

Cover Page

Order ID : Q3447

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number

Q3447-01
Q3447-02
Q3447-03
Q3447-04
Q3447-05
Q3447-06
Q3447-07
Q3447-08

Client Sample Number

P001-TW1-251023-01
P001-TW1-251023-01
P001-TW2-251023-01
P001-TW2-251023-01
P001-TW3-251023-01
P001-TW3-251023-01
P001-TW4-251023-01
P001-TW4-251023-01

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: 11/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 905

Project # N/A

Order ID # Q3447

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 10/23/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:

The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for P001-TW2-251023-01 [Decachlorobiphenyl(1)437%], P001-TW4-251023-01 [Decachlorobiphenyl(1)470%]AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID PD090828.D met the requirements except for Heptachlor is failing in 1st column however it is passing in 2nd column therefore no corrective action taken.

Samples P001-TW1-251023-01, P001-TW2-251023-01 and P001-TW4-251023-01 were directly analyzed with 10X dilution due to samples are Oily and Tar matrix.

E. Additional Comments:

Sample# P001-TW2-251023-01 having F flag for DCB in first column, sample reanalyzed for confirmation of F flag and in confirmation run also F flag is coming for DCB therefore First run reported in Hardcopy and reanalysis run provided in Miscellaneous Section.

The soil samples results are based on a dry weight basis.

F. Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(A_x) (V_t) (DF) (GPC)}{(CF) (V_i) (W_s) (D)}$$

Where,

A_x = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

V_t = Volume of the concentrated extract in uL

V_i = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).

W_s = Weight of sample extracted (g).

D = % dry weight or $\frac{100 - \% \text{Moisture}}{100}$

GPC = $\frac{V_{in}}{V_{out}}$ = GPC factor (If no GPC is performed, GPC=1)

V_{in} = Volume of extract loaded onto GPC column.

V_{out} = Volume of extract collected after GPC cleanup.

DF = Dilution Factor

G. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____



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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3447

MATRIX: Solid

METHOD: 8081B/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
The Initial Calibration met the requirements.			
The Continuous Calibration File ID PD090828.D met the requirements except for Heptachlor is failing in 1st column however it is passing in 2nd column therefore no corrective action taken			
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
The Surrogate recoveries were met for all analysis except for P001-TW2-251023-01 [Decachlorobiphenyl(1)437%], P001-TW4-251023-01 [Decachlorobiphenyl(1)470%]AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.			
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The MS recoveries met the requirements for all compounds.			
The MSD recoveries met the requirements for all compounds.			
The Blank Spike met requirements for all compounds.			
The RPD were met for all analysis.			
7. Retention Time Shift Meet Criteria (if applicable)			✓
Comments:			
8. Extraction Holding Time Met			✓
If not met, list number of days exceeded for each sample:			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

Samples P001-TW1-251023-01, P001-TW2-251023-01 and P001-TW4-251023-01 were directly analyzed with 10X dilution due to samples are Oily and Tar matrix.

Sample# P001-TW2-251023-01 having F flag for DCB in first column, sample reanalyzed for confirmation of F flag and in confirmation run also F flag is coming for DCB therefore First run reported in Hardcopy and reanalysis run provided in Miscellaneous Section.

The soil samples results are based on a dry weight basis.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3447

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 Custody

✓

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: SOHIL JODHANI

Date: 11/05/2025

LAB CHRONICLE

OrderID:	Q3447	OrderDate:	10/23/2025 1:50:00 PM
Client:	Weston Solutions, Inc.	Project:	RFP 905
Contact:	Smita Sumbaly	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3447-01	P001-TW1-251023-01	SOIL			10/23/25			10/23/25
			PCB	8082A		10/24/25	10/27/25	
			Pesticide-TCL	8081B		10/23/25	10/24/25	
Q3447-01RE	P001-TW1-251023-01 RE	SOIL			10/23/25			10/23/25
			PCB	8082A		10/24/25	10/28/25	
Q3447-02	P001-TW1-251023-01	TCLP			10/23/25			10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25	
Q3447-03	P001-TW2-251023-01	SOIL			10/23/25			10/23/25
			PCB	8082A		10/24/25	10/27/25	
			Pesticide-TCL	8081B		10/23/25	10/27/25	
Q3447-03RE	P001-TW2-251023-01 RE	SOIL			10/23/25			10/23/25
			PCB	8082A		10/24/25	10/28/25	
Q3447-04	P001-TW2-251023-01	TCLP			10/23/25			10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25	
Q3447-05	P001-TW3-251023-01	SOIL			10/23/25			10/23/25
			Pesticide-TCL	8081B		10/23/25	10/24/25	
			PCB	8082A		10/24/25	10/27/25	
Q3447-06	P001-TW3-251023-01	TCLP			10/23/25			10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25	
Q3447-07	P001-TW4-251023-01	SOIL			10/23/25			10/23/25
			Pesticide-TCL	8081B		10/23/25	10/24/25	
			PCB	8082A		10/24/25	10/27/25	
Q3447-08	P001-TW4-251023-01	TCLP			10/23/25			10/23/25

LAB CHRONICLE

TCLP Herbicide

8151A

10/27/25

10/28/25

Hit Summary Sheet
SW-846

SDG No.: Q3447

Order ID: Q3447

Client: Weston Solutions, Inc.

Project ID: RFP 905

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : P001-TW2-251023-01								
Q3447-03	P001-TW2-251023-01	SOIL	Aldrin	7.60	J	1.30	18.5	ug/kg
Q3447-03	P001-TW2-251023-01	SOIL	Endosulfan I	4.10	JP	1.50	18.5	ug/kg
Q3447-03	P001-TW2-251023-01	SOIL	4,4-DDE	19.7		1.50	18.5	ug/kg
Q3447-03	P001-TW2-251023-01	SOIL	Endosulfan Sulfate	14.7	JP	1.40	18.5	ug/kg
Q3447-03	P001-TW2-251023-01	SOIL	4,4-DDT	34.7	P	1.50	18.5	ug/kg
Q3447-03	P001-TW2-251023-01	SOIL	alpha-Chlordane	5.30	J	1.30	18.5	ug/kg
Total Concentration:				86.100				



QC SUMMARY

Surrogate Summary

SDG No.: Q3447

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	20.3	102		57	171
		Tetrachloro-m-xyl	2	20	20.0	100		61	148
I.BLK-PD090808.D	PIBLK-PD090808.D	Decachlorobiphen	1	20	22.0	110		57	171
		Tetrachloro-m-xyl	1	20	20.8	104		61	148
		Decachlorobiphen	2	20	24.1	120		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
PB170235BL	PB170235BL	Decachlorobiphen	1	20	21.9	110		20	144
		Tetrachloro-m-xyl	1	20	20.5	102		19	148
		Decachlorobiphen	2	20	24.0	120		20	144
		Tetrachloro-m-xyl	2	20	21.0	105		19	148
PB170235BS	PB170235BS	Decachlorobiphen	1	20	22.2	111		20	144
		Tetrachloro-m-xyl	1	20	17.7	88		19	148
		Decachlorobiphen	2	20	24.7	123		20	144
		Tetrachloro-m-xyl	2	20	17.8	89		19	148
Q3439-05MS	TP-10MS	Decachlorobiphen	1	20	18.6	93		20	144
		Tetrachloro-m-xyl	1	20	19.6	98		19	148
		Decachlorobiphen	2	20	15.5	78		20	144
		Tetrachloro-m-xyl	2	20	20.6	103		19	148
Q3439-05MSD	TP-10MSD	Decachlorobiphen	1	20	18.8	94		20	144
		Tetrachloro-m-xyl	1	20	19.7	99		19	148
		Decachlorobiphen	2	20	16.2	81		20	144
		Tetrachloro-m-xyl	2	20	20.3	102		19	148
Q3447-05	P001-TW3-251023-01	Decachlorobiphen	1	20	23.4	117		20	144
		Tetrachloro-m-xyl	1	20	12.7	63		19	148
		Decachlorobiphen	2	20	8.12	41		20	144
		Tetrachloro-m-xyl	2	20	11.4	57		19	148
Q3447-01	P001-TW1-251023-01	Decachlorobiphen	1	20	12.4	62		20	144
		Tetrachloro-m-xyl	1	20	5.10	26		19	148
		Decachlorobiphen	2	20	4.50	23		20	144
		Tetrachloro-m-xyl	2	20	4.20	21		19	148
I.BLK-PD090823.D	PIBLK-PD090823.D	Decachlorobiphen	1	20	17.3	87		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	12.3	61		57	171
		Tetrachloro-m-xyl	2	20	19.6	98		61	148
Q3447-07	P001-TW4-251023-01	Decachlorobiphen	1	20	94.0	470	*	20	144
		Tetrachloro-m-xyl	1	20	8.70	44		19	148
		Decachlorobiphen	2	20	11.4	57		20	144
		Tetrachloro-m-xyl	2	20	6.10	31		19	148
I.BLK-PD090827.D	PIBLK-PD090827.D	Decachlorobiphen	1	20	14.9	74		57	171

Surrogate Summary

SDG No.: Q3447

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090827.D	PIBLK-PD090827.D	Tetrachloro-m-xyl	1	20	19.2	96		61	148
		Decachlorobiphen	2	20	10.4	52	*	57	171
I.BLK-PD090830.D	PIBLK-PD090830.D	Tetrachloro-m-xyl	2	20	20.0	100		61	148
		Decachlorobiphen	1	20	19.5	98		57	171
		Tetrachloro-m-xyl	1	20	20.5	102		61	148
		Decachlorobiphen	2	20	19.6	98		57	171
		Tetrachloro-m-xyl	2	20	20.9	104		61	148
Q3447-03	P001-TW2-251023-01	Decachlorobiphen	1	20	87.3	437	*	20	144
		Tetrachloro-m-xyl	1	20	16.5	83		19	148
		Decachlorobiphen	2	20	20.9	104		20	144
		Tetrachloro-m-xyl	2	20	6.20	31		19	148
I.BLK-PD090844.D	PIBLK-PD090844.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	20.5	102		61	148
		Decachlorobiphen	2	20	16.0	80		57	171
		Tetrachloro-m-xyl	2	20	19.9	100		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3447</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090818.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits	
			Result				Qual	RPD	Qual		High	RPD
Lab Sample ID:	Q3439-05MS (Column 1)	Client Sample ID:		TP-10MS								
	alpha-BHC	18.23	0	19.6	ug/kg	108				60	144	
	beta-BHC	18.23	0	18.7	ug/kg	103				54	143	
	delta-BHC	18.23	0	19.5	ug/kg	107				29	151	
	gamma-BHC (Lindane)	18.23	0	19.1	ug/kg	105				61	140	
	Heptachlor	18.23	0	21.8	ug/kg	120				63	135	
	Aldrin	18.23	0	18.6	ug/kg	102				49	139	
	Heptachlor epoxide	18.23	0	18.8	ug/kg	103				41	156	
	Endosulfan I	18.23	0	18.0	ug/kg	99				56	142	
	Dieldrin	18.23	0	17.8	ug/kg	98				47	161	
	4,4'-DDE	18.23	0	17.6	ug/kg	97				55	136	
	Endrin	18.23	0	17.4	ug/kg	95				57	139	
	Endosulfan II	18.23	0	17.3	ug/kg	95				40	163	
	4,4'-DDD	18.23	0	18.4	ug/kg	101				47	163	
	Endosulfan sulfate	18.23	0	17.1	ug/kg	94				62	139	
	4,4'-DDT	18.23	0	16.7	ug/kg	92				51	146	
	Methoxychlor	18.23	0	16.4	ug/kg	90				54	136	
	Endrin ketone	18.23	0	17.3	ug/kg	95				60	129	
	Endrin aldehyde	18.23	0	17.6	ug/kg	97				59	132	
	alpha-Chlordane	18.23	0	17.9	ug/kg	98				39	166	
	gamma-Chlordane	18.23	0	17.4	ug/kg	95				44	175	
Lab Sample ID:	Q3439-05MS (Column 2)	Client Sample ID:		TP-10MS								
	alpha-BHC	18.23	0	18.7	ug/kg	103				60	144	
	beta-BHC	18.23	0	18.1	ug/kg	99				54	143	
	delta-BHC	18.23	0	18.0	ug/kg	99				29	151	
	gamma-BHC (Lindane)	18.23	0	18.4	ug/kg	101				61	140	
	Heptachlor	18.23	0	18.6	ug/kg	102				63	135	
	Aldrin	18.23	0	18.1	ug/kg	99				49	139	
	Heptachlor epoxide	18.23	0	17.9	ug/kg	98				41	156	
	Endosulfan I	18.23	0	17.2	ug/kg	94				56	142	
	Dieldrin	18.23	0	17.1	ug/kg	94				47	161	
	4,4'-DDE	18.23	0	17.0	ug/kg	93				55	136	
	Endrin	18.23	0	16.3	ug/kg	89				57	139	
	Endosulfan II	18.23	0	16.7	ug/kg	92				40	163	
	4,4'-DDD	18.23	0	15.9	ug/kg	87				47	163	
	Endosulfan sulfate	18.23	0	16.1	ug/kg	88				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3447</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090818.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	Qual	RPD	Qual	Low	Limits	
		Result	Result								High	RPD
4,4'-DDT	18.23	0	16.1	ug/kg	88					51	146	
Methoxychlor	18.23	0	15.2	ug/kg	83					54	136	
Endrin ketone	18.23	0	15.4	ug/kg	84					60	129	
Endrin aldehyde	18.23	0	16.3	ug/kg	89					59	132	
alpha-Chlordane	18.23	0	17.3	ug/kg	95					39	166	
gamma-Chlordane	18.23	0	17.4	ug/kg	95					44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3447</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090819.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits		RPD
			Result				Qual	RPD	Qual		High		
Lab Sample ID:	Q3439-05MSD (Column 1)	Client Sample ID:		TP-10MSD									
	alpha-BHC	18.23	0	19.7	ug/kg	108		0		60	144	20	
	beta-BHC	18.23	0	18.5	ug/kg	101		2		54	143	20	
	delta-BHC	18.23	0	19.4	ug/kg	106		1		29	151	20	
	gamma-BHC (Lindane)	18.23	0	19.1	ug/kg	105		0		61	140	20	
	Heptachlor	18.23	0	22.1	ug/kg	121		1		63	135	20	
	Aldrin	18.23	0	19.0	ug/kg	104		2		49	139	20	
	Heptachlor epoxide	18.23	0	18.6	ug/kg	102		1		41	156	20	
	Endosulfan I	18.23	0	18.3	ug/kg	100		1		56	142	20	
	Dieldrin	18.23	0	18.2	ug/kg	100		2		47	161	20	
	4,4'-DDE	18.23	0	17.7	ug/kg	97		0		55	136	20	
	Endrin	18.23	0	17.8	ug/kg	98		3		57	139	20	
	Endosulfan II	18.23	0	17.4	ug/kg	95		0		40	163	20	
	4,4'-DDD	18.23	0	18.8	ug/kg	103		2		47	163	20	
	Endosulfan sulfate	18.23	0	16.9	ug/kg	93		1		62	139	20	
	4,4'-DDT	18.23	0	17.4	ug/kg	95		3		51	146	20	
	Methoxychlor	18.23	0	17.0	ug/kg	93		3		54	136	20	
	Endrin ketone	18.23	0	18.3	ug/kg	100		5		60	129	20	
	Endrin aldehyde	18.23	0	17.6	ug/kg	97		0		59	132	20	
	alpha-Chlordane	18.23	0	18.0	ug/kg	99		1		39	166	20	
	gamma-Chlordane	18.23	0	18.0	ug/kg	99		4		44	175	20	
Lab Sample ID:	Q3439-05MSD (Column 2)	Client Sample ID:		TP-10MSD									
	alpha-BHC	18.23	0	18.6	ug/kg	102		1		60	144	20	
	beta-BHC	18.23	0	18.2	ug/kg	100		1		54	143	20	
	delta-BHC	18.23	0	18.1	ug/kg	99		0		29	151	20	
	gamma-BHC (Lindane)	18.23	0	18.4	ug/kg	101		0		61	140	20	
	Heptachlor	18.23	0	18.6	ug/kg	102		0		63	135	20	
	Aldrin	18.23	0	18.0	ug/kg	99		0		49	139	20	
	Heptachlor epoxide	18.23	0	18.0	ug/kg	99		1		41	156	20	
	Endosulfan I	18.23	0	17.7	ug/kg	97		3		56	142	20	
	Dieldrin	18.23	0	17.2	ug/kg	94		0		47	161	20	
	4,4'-DDE	18.23	0	17.3	ug/kg	95		2		55	136	20	
	Endrin	18.23	0	16.5	ug/kg	91		2		57	139	20	
	Endosulfan II	18.23	0	17.0	ug/kg	93		1		40	163	20	
	4,4'-DDD	18.23	0	16.1	ug/kg	88		1		47	163	20	
	Endosulfan sulfate	18.23	0	16.4	ug/kg	90		2		62	139	20	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3447</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090819.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
		Result	Result							High	RPD
4,4'-DDT	18.23	0	16.5	ug/kg	91		3		51	146	20
Methoxychlor	18.23	0	15.4	ug/kg	84		1		54	136	20
Endrin ketone	18.23	0	16.4	ug/kg	90		7		60	129	20
Endrin aldehyde	18.23	0	16.5	ug/kg	91		2		59	132	20
alpha-Chlordane	18.23	0	17.7	ug/kg	97		2		39	166	20
gamma-Chlordane	18.23	0	17.7	ug/kg	97		2		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3447

Analytical Method: 8081B

Client: Weston Solutions, Inc.

Datafile : PD090814.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170235BS (Column 1)	alpha-BHC	16.66	15.7	ug/kg	94				84	123	
	beta-BHC	16.66	15.3	ug/kg	92				82	123	
	delta-BHC	16.66	15.8	ug/kg	95				83	126	
	gamma-BHC (Lindane)	16.66	15.5	ug/kg	93				83	125	
	Heptachlor	16.66	18.2	ug/kg	109				83	122	
	Aldrin	16.66	15.7	ug/kg	94				82	124	
	Heptachlor epoxide	16.66	15.9	ug/kg	95				83	120	
	Endosulfan I	16.66	15.8	ug/kg	95				81	124	
	Dieldrin	16.66	16.0	ug/kg	96				85	121	
	4,4'-DDE	16.66	15.4	ug/kg	92				81	123	
	Endrin	16.66	15.4	ug/kg	92				76	130	
	Endosulfan II	16.66	16.2	ug/kg	97				80	125	
	4,4'-DDD	16.66	17.1	ug/kg	103				80	131	
	Endosulfan sulfate	16.66	15.8	ug/kg	95				81	122	
	4,4'-DDT	16.66	15.8	ug/kg	95				70	129	
	Methoxychlor	16.66	15.4	ug/kg	92				60	119	
	Endrin ketone	16.66	16.4	ug/kg	98				77	132	
	Endrin aldehyde	16.66	16.5	ug/kg	99				79	124	
	alpha-Chlordane	16.66	15.3	ug/kg	92				84	120	
	gamma-Chlordane	16.66	15.7	ug/kg	94				83	122	
PB170235BS (Column 2)	alpha-BHC	16.66	15.2	ug/kg	91				84	123	
	beta-BHC	16.66	15.1	ug/kg	91				82	123	
	delta-BHC	16.66	15.4	ug/kg	92				83	126	
	gamma-BHC (Lindane)	16.66	15.2	ug/kg	91				83	125	
	Heptachlor	16.66	15.6	ug/kg	94				83	122	
	Aldrin	16.66	15.3	ug/kg	92				82	124	
	Heptachlor epoxide	16.66	15.3	ug/kg	92				83	120	
	Endosulfan I	16.66	14.7	ug/kg	88				81	124	
	Dieldrin	16.66	15.8	ug/kg	95				85	121	
	4,4'-DDE	16.66	15.8	ug/kg	95				81	123	
	Endrin	16.66	15.5	ug/kg	93				76	130	
	Endosulfan II	16.66	15.9	ug/kg	95				80	125	
	4,4'-DDD	16.66	16.2	ug/kg	97				80	131	
	Endosulfan sulfate	16.66	16.1	ug/kg	97				81	122	
	4,4'-DDT	16.66	15.7	ug/kg	94				70	129	
	Methoxychlor	16.66	15.8	ug/kg	95				60	119	
	Endrin ketone	16.66	17.0	ug/kg	102				77	132	
	Endrin aldehyde	16.66	16.4	ug/kg	98				79	124	
	alpha-Chlordane	16.66	15.5	ug/kg	93				84	120	
	gamma-Chlordane	16.66	15.6	ug/kg	94				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170235BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: PB170235BL

Lab File ID: PD090813.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/23/2025

Date Analyzed (1): 10/24/2025

Date Analyzed (2): 10/24/2025

Time Analyzed (1): 11:30

Time Analyzed (2): 11:30

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
PB170235BS	PB170235BS	PD090814.D	10/24/2025	10/24/2025
TP-10MS	Q3439-05MS	PD090818.D	10/24/2025	10/24/2025
TP-10MSD	Q3439-05MSD	PD090819.D	10/24/2025	10/24/2025
P001-TW3-251023-01	Q3447-05	PD090821.D	10/24/2025	10/24/2025
P001-TW1-251023-01	Q3447-01	PD090822.D	10/24/2025	10/24/2025
P001-TW4-251023-01	Q3447-07	PD090826.D	10/24/2025	10/24/2025
P001-TW2-251023-01	Q3447-03	PD090833.D	10/27/2025	10/27/2025

COMMENTS: _____



SAMPLE DATA



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01		SDG No.:	Q3447
Lab Sample ID:	Q3447-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.30	U	10	1.30	17.0	ug/kg	10/24/25 14:57	PB170235
319-85-7	beta-BHC	1.80	U	10	1.80	17.0	ug/kg	10/24/25 14:57	PB170235
319-86-8	delta-BHC	3.90	U	10	3.90	17.0	ug/kg	10/24/25 14:57	PB170235
58-89-9	gamma-BHC (Lindane)	1.40	U	10	1.40	17.0	ug/kg	10/24/25 14:57	PB170235
76-44-8	Heptachlor	1.20	U	10	1.20	17.0	ug/kg	10/24/25 14:57	PB170235
309-00-2	Aldrin	1.20	U	10	1.20	17.0	ug/kg	10/24/25 14:57	PB170235
1024-57-3	Heptachlor epoxide	1.90	U	10	1.90	17.0	ug/kg	10/24/25 14:57	PB170235
959-98-8	Endosulfan I	1.40	U	10	1.40	17.0	ug/kg	10/24/25 14:57	PB170235
60-57-1	Dieldrin	1.40	U	10	1.40	17.0	ug/kg	10/24/25 14:57	PB170235
72-55-9	4,4-DDE	1.40	U	10	1.40	17.0	ug/kg	10/24/25 14:57	PB170235
72-20-8	Endrin	1.40	U	10	1.40	17.0	ug/kg	10/24/25 14:57	PB170235
33213-65-9	Endosulfan II	2.90	U	10	2.90	17.0	ug/kg	10/24/25 14:57	PB170235
72-54-8	4,4-DDD	1.50	U	10	1.50	17.0	ug/kg	10/24/25 14:57	PB170235
1031-07-8	Endosulfan Sulfate	1.30	U	10	1.30	17.0	ug/kg	10/24/25 14:57	PB170235
50-29-3	4,4-DDT	1.40	U	10	1.40	17.0	ug/kg	10/24/25 14:57	PB170235
72-43-5	Methoxychlor	3.70	U	10	3.70	17.0	ug/kg	10/24/25 14:57	PB170235
53494-70-5	Endrin ketone	1.90	U	10	1.90	17.0	ug/kg	10/24/25 14:57	PB170235
7421-93-4	Endrin aldehyde	3.70	U	10	3.70	17.0	ug/kg	10/24/25 14:57	PB170235
5103-71-9	alpha-Chlordane	1.20	U	10	1.20	17.0	ug/kg	10/24/25 14:57	PB170235
5103-74-2	gamma-Chlordane	1.50	U	10	1.50	17.0	ug/kg	10/24/25 14:57	PB170235
8001-35-2	Toxaphene	54.0	U	10	54.0	329	ug/kg	10/24/25 14:57	PB170235
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.4			20 - 144	62%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	5.10			19 - 148	26%	SPK: 20		

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\PD102425\
 Data File : PD090822.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 14:57
 Operator : AR\AJ
 Sample : Q3447-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-TW1-251023-01

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:38:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 0.5 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...	3.541	2.867	1591820	12617606	0.511m	0.424m
2) SA Decachlor...	9.065	8.060	5794828	13642032	1.239m	0.450m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090822.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 14:57
Operator : AR\AJ
Sample : Q3447-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

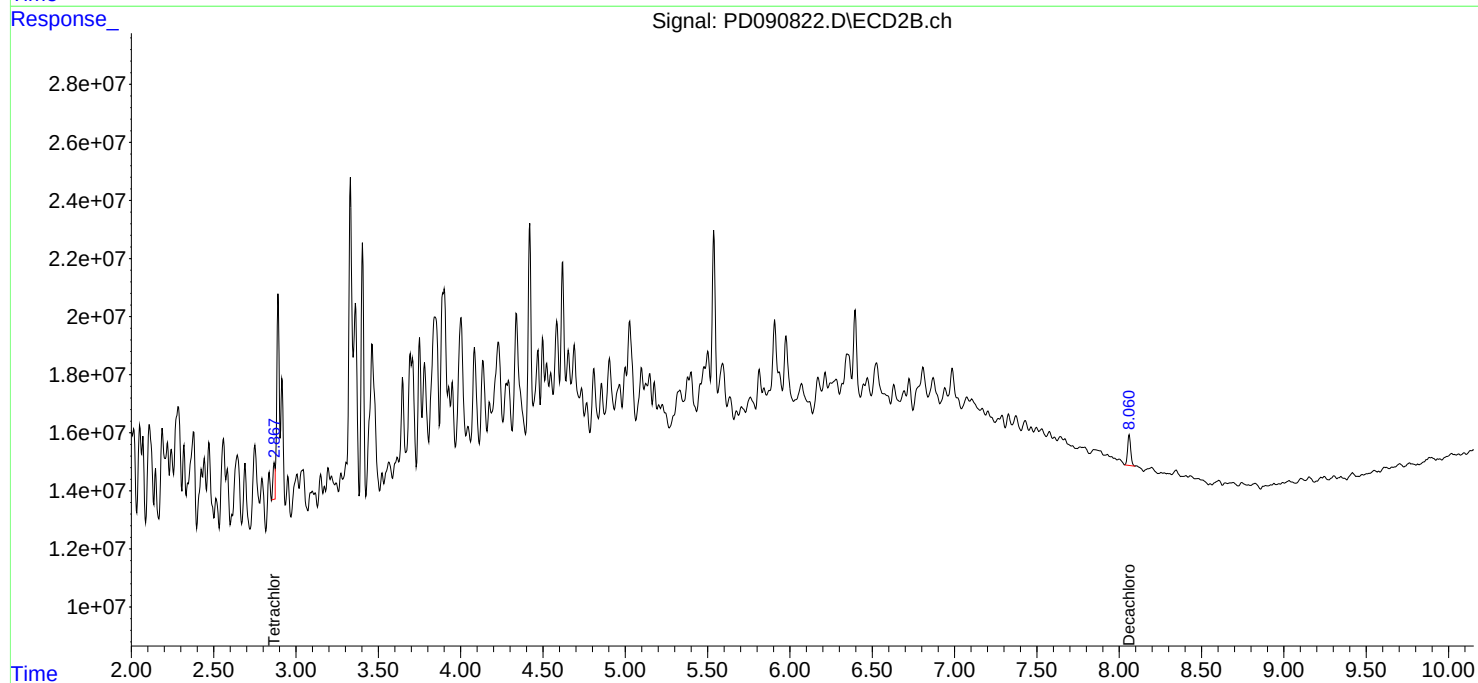
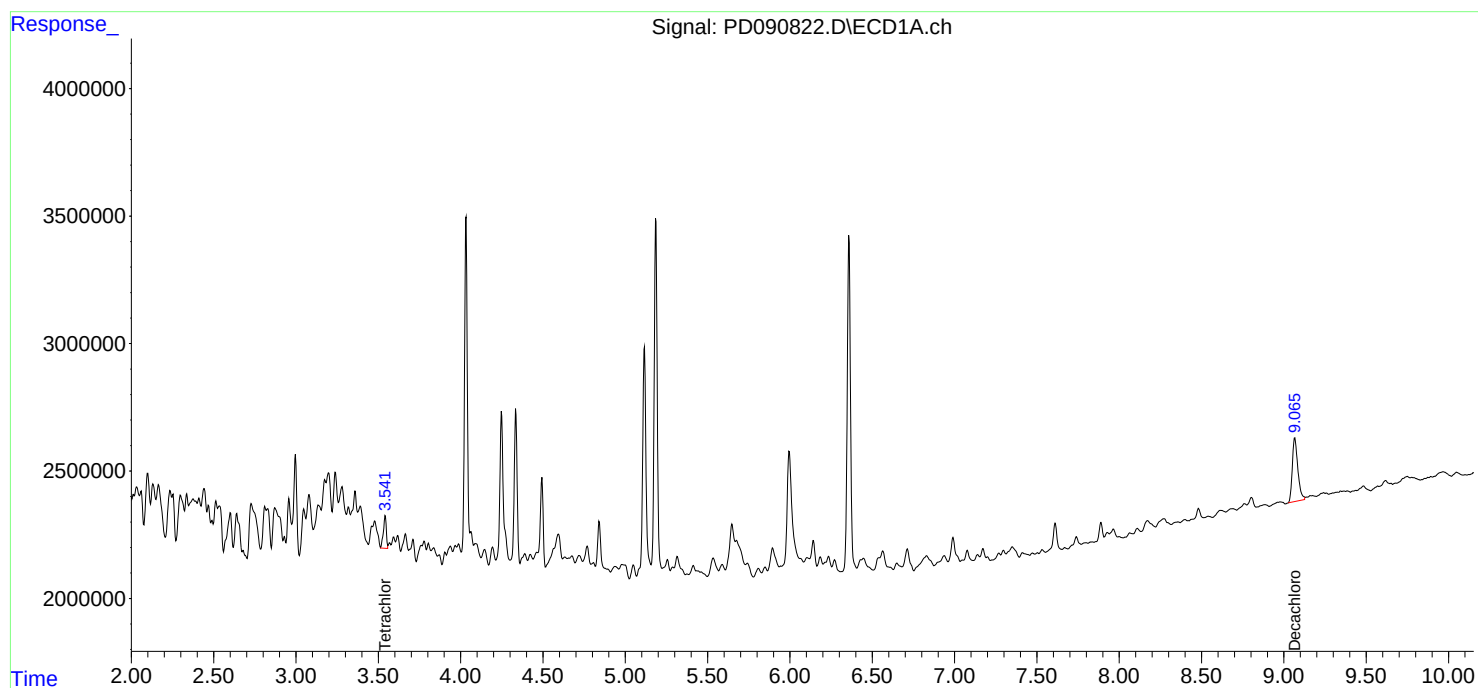
Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01

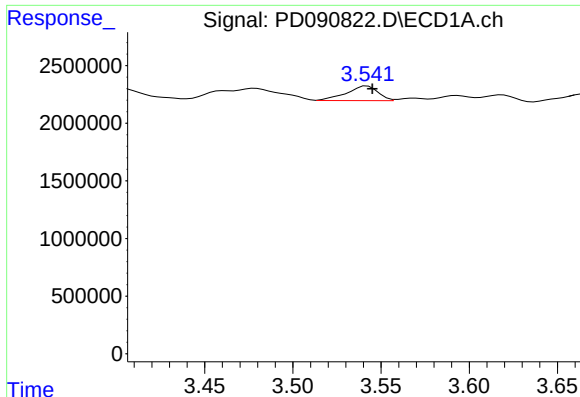
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/27/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:38:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





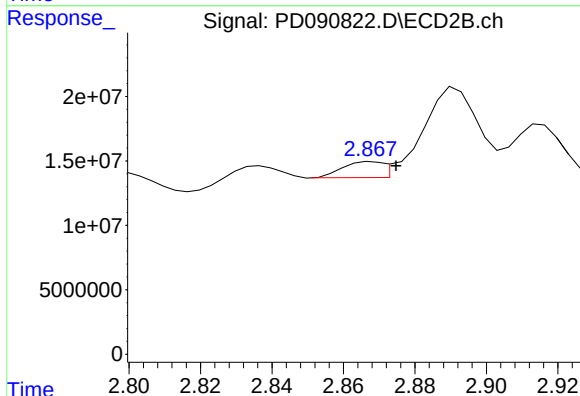
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: -0.004 min
Response: 1591820
Conc: 0.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01

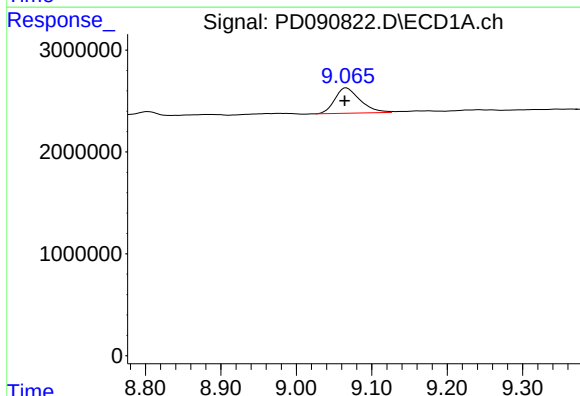
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



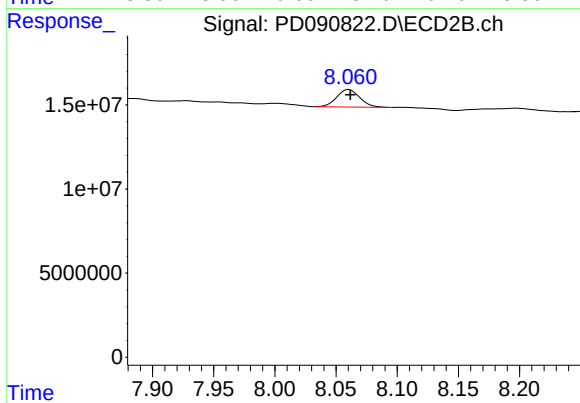
#1 Tetrachloro-m-xylene

R.T.: 2.867 min
Delta R.T.: -0.008 min
Response: 12617606
Conc: 0.42 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 5794828
Conc: 1.24 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 13642032
Conc: 0.45 ng/ml m



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW2-251023-01		SDG No.:	Q3447
Lab Sample ID:	Q3447-03		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	91.7
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.40	U	10	1.40	18.5	ug/kg	10/27/25 10:54	PB170235
319-85-7	beta-BHC	2.00	U	10	2.00	18.5	ug/kg	10/27/25 10:54	PB170235
319-86-8	delta-BHC	4.20	U	10	4.20	18.5	ug/kg	10/27/25 10:54	PB170235
58-89-9	gamma-BHC (Lindane)	1.50	U	10	1.50	18.5	ug/kg	10/27/25 10:54	PB170235
76-44-8	Heptachlor	1.30	U	10	1.30	18.5	ug/kg	10/27/25 10:54	PB170235
309-00-2	Aldrin	7.60	J	10	1.30	18.5	ug/kg	10/27/25 10:54	PB170235
1024-57-3	Heptachlor epoxide	2.10	U	10	2.10	18.5	ug/kg	10/27/25 10:54	PB170235
959-98-8	Endosulfan I	4.10	JP	10	1.50	18.5	ug/kg	10/27/25 10:54	PB170235
60-57-1	Dieldrin	1.50	U	10	1.50	18.5	ug/kg	10/27/25 10:54	PB170235
72-55-9	4,4-DDE	19.7		10	1.50	18.5	ug/kg	10/27/25 10:54	PB170235
72-20-8	Endrin	1.50	U	10	1.50	18.5	ug/kg	10/27/25 10:54	PB170235
33213-65-9	Endosulfan II	3.20	U	10	3.20	18.5	ug/kg	10/27/25 10:54	PB170235
72-54-8	4,4-DDD	1.60	U	10	1.60	18.5	ug/kg	10/27/25 10:54	PB170235
1031-07-8	Endosulfan Sulfate	14.7	JP	10	1.40	18.5	ug/kg	10/27/25 10:54	PB170235
50-29-3	4,4-DDT	34.7	P	10	1.50	18.5	ug/kg	10/27/25 10:54	PB170235
72-43-5	Methoxychlor	4.00	U	10	4.00	18.5	ug/kg	10/27/25 10:54	PB170235
53494-70-5	Endrin ketone	2.10	U	10	2.10	18.5	ug/kg	10/27/25 10:54	PB170235
7421-93-4	Endrin aldehyde	4.00	U	10	4.00	18.5	ug/kg	10/27/25 10:54	PB170235
5103-71-9	alpha-Chlordane	5.30	J	10	1.30	18.5	ug/kg	10/27/25 10:54	PB170235
5103-74-2	gamma-Chlordane	1.60	U	10	1.60	18.5	ug/kg	10/27/25 10:54	PB170235
8001-35-2	Toxaphene	58.9	U	10	58.9	359	ug/kg	10/27/25 10:54	PB170235
SURROGATES									
2051-24-3	Decachlorobiphenyl	87.3	*		20 - 144	437%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.5			19 - 148	83%	SPK: 20		

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\PD102725\
 Data File : PD090833.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 10:54
 Operator : AR\AJ
 Sample : Q3447-03 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-TW2-251023-01

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/28/2025
 Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:07:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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	2.871	5129548	18507317	1.647	0.622m#
28)	SA Decachlor...	9.088f	8.058	40836740	63277086	8.730m	2.089m#
Target Compounds							
5)	MB Aldrin	5.256	4.364	13687859	75577610	2.091	1.632m
9)	A Endosulfan I	6.063	5.226	6232161	24068484	1.126	0.611 #
11)	B alpha-Chl...	6.025	5.175	9047577	48017451	1.464	1.113
12)	B 4,4'-DDE	6.193	5.375	28868004	219.5E6	5.420m	5.008
17)	MA 4,4'-DDT	7.019	6.170	25912018	335.4E6	6.304m	9.564 #
19)	B Endosulfa...	7.144	6.469	18837541	80233008	4.061m	2.238m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090833.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 10:54
Operator : AR\AJ
Sample : Q3447-03 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

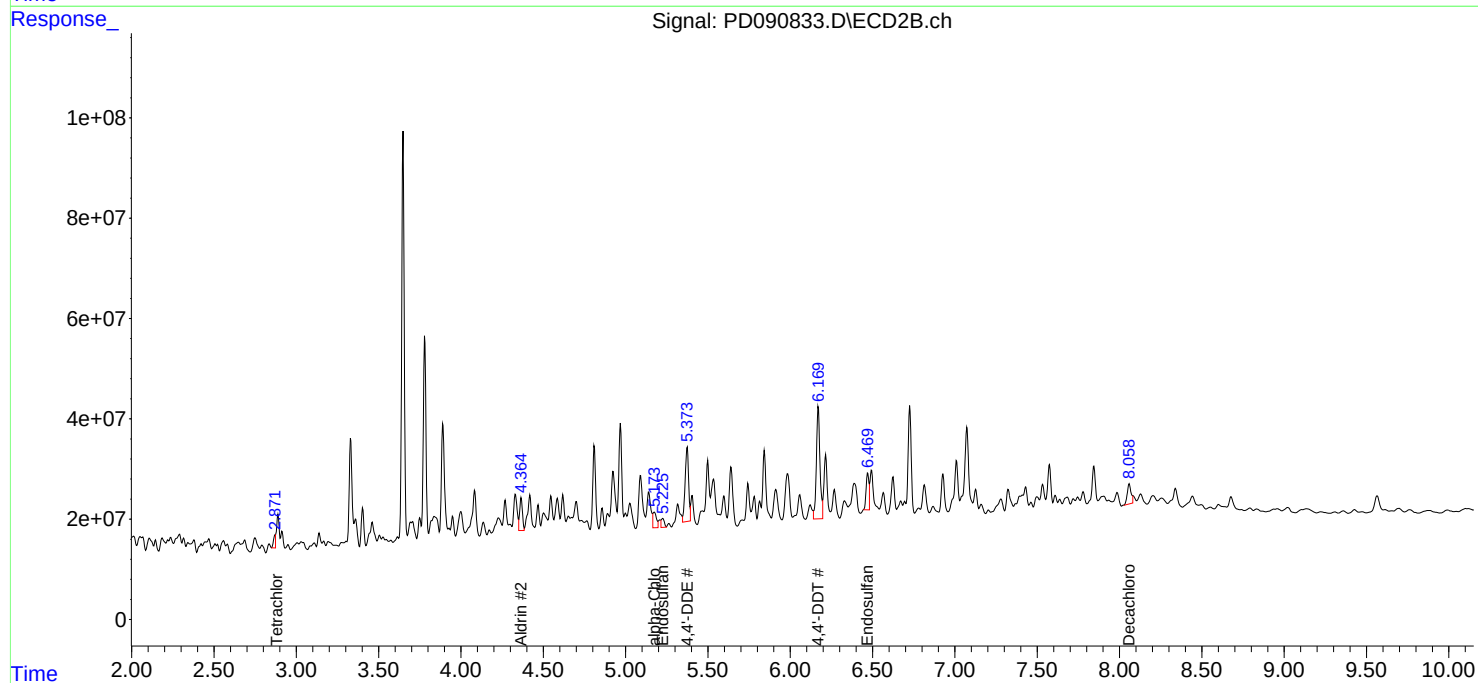
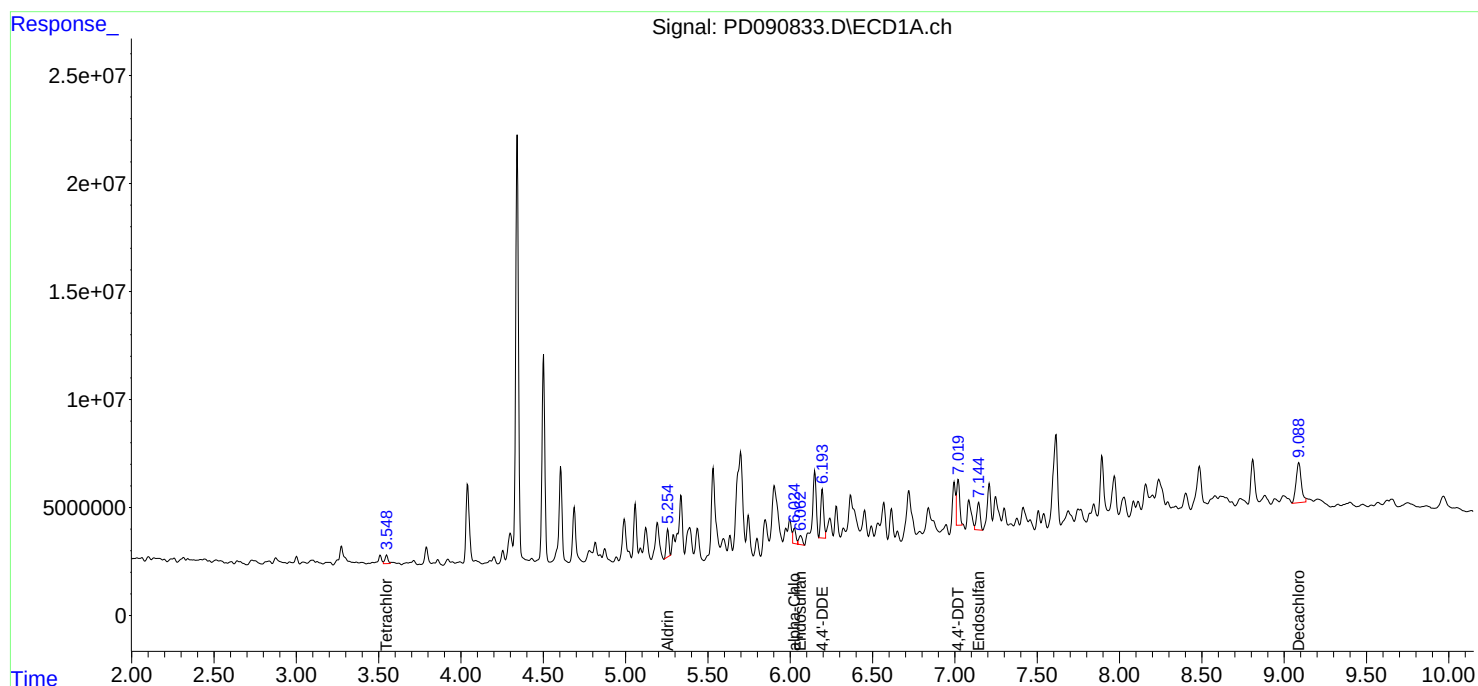
Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01

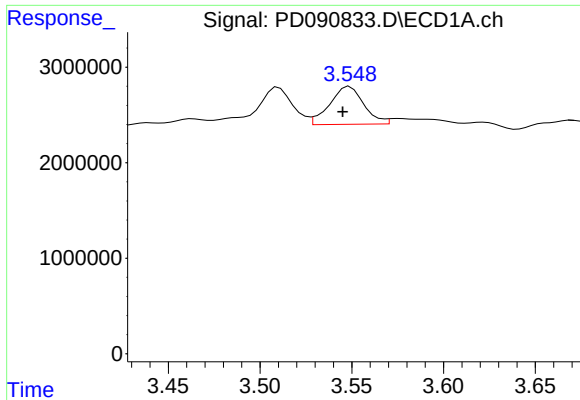
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:07:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





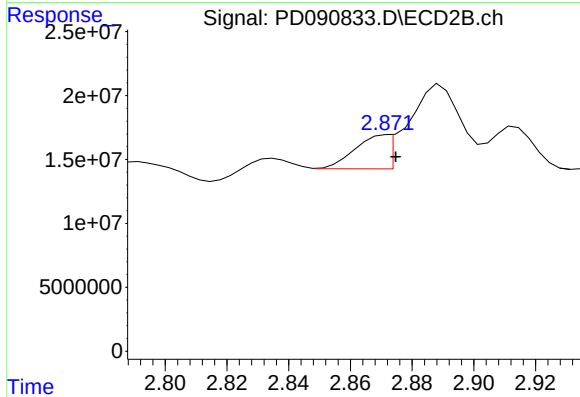
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
 Delta R.T.: 0.004 min
 Response: 5129548
 Conc: 1.65 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 P001-TW2-251023-01

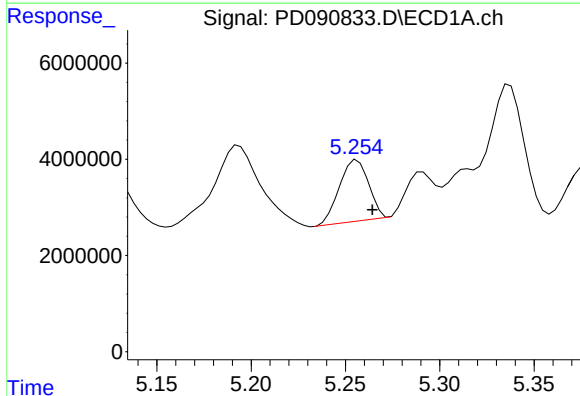
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025



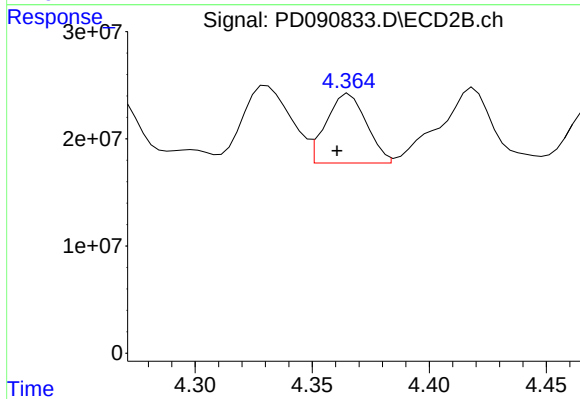
#1 Tetrachloro-m-xylene

R.T.: 2.871 min
 Delta R.T.: -0.004 min
 Response: 18507317
 Conc: 0.62 ng/ml m



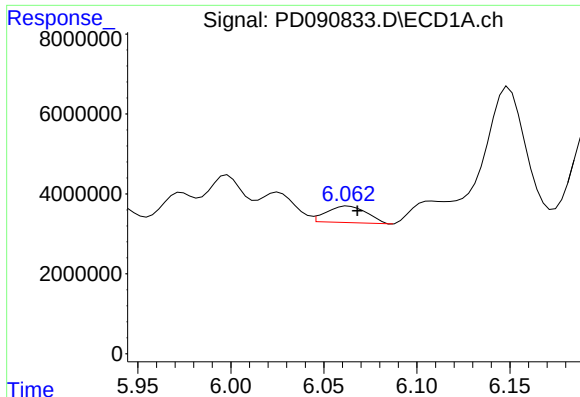
#5 Aldrin

R.T.: 5.256 min
 Delta R.T.: -0.008 min
 Response: 13687859
 Conc: 2.09 ng/ml



#5 Aldrin

R.T.: 4.364 min
 Delta R.T.: 0.004 min
 Response: 75577610
 Conc: 1.63 ng/ml m



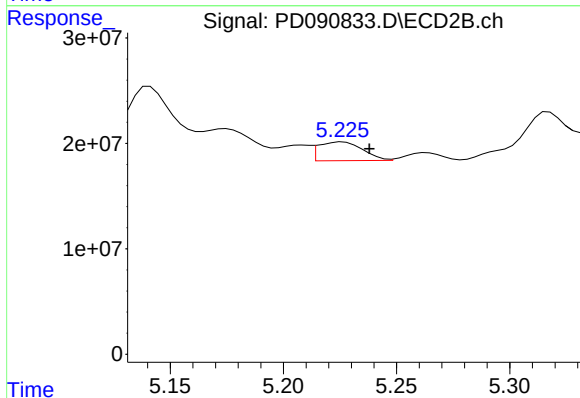
#9 Endosulfan I

R.T.: 6.063 min
Delta R.T.: -0.005 min
Response: 6232161
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01

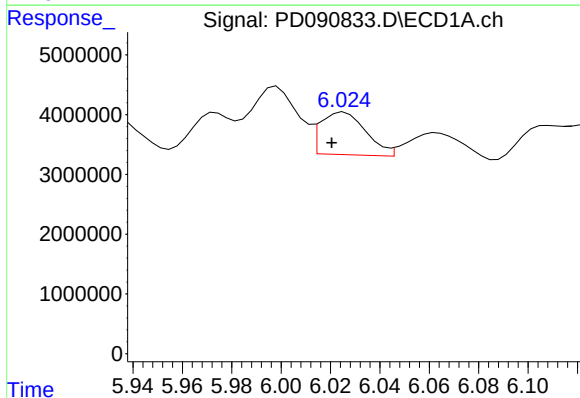
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



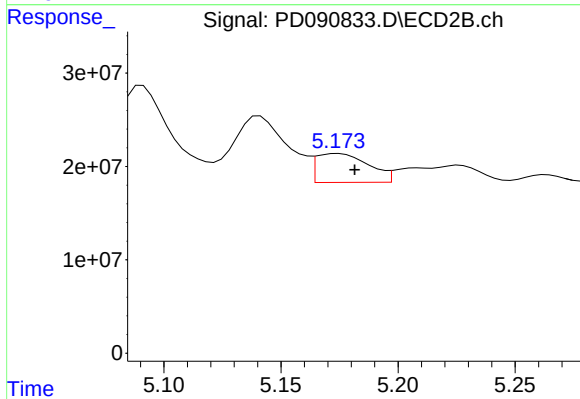
#9 Endosulfan I

R.T.: 5.226 min
Delta R.T.: -0.012 min
Response: 24068484
Conc: 0.61 ng/ml



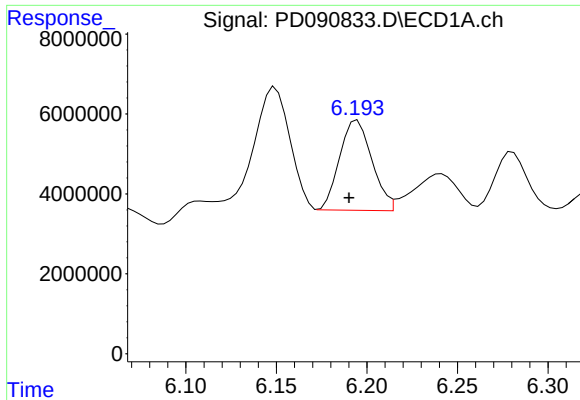
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.005 min
Response: 9047577
Conc: 1.46 ng/ml



#11 alpha-Chlordane

R.T.: 5.175 min
Delta R.T.: -0.007 min
Response: 48017451
Conc: 1.11 ng/ml



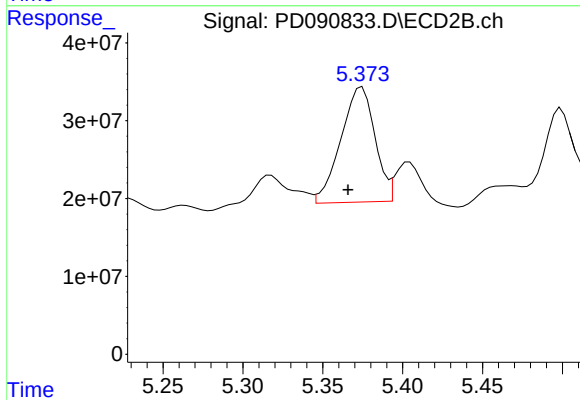
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.003 min
Response: 28868004
Conc: 5.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01

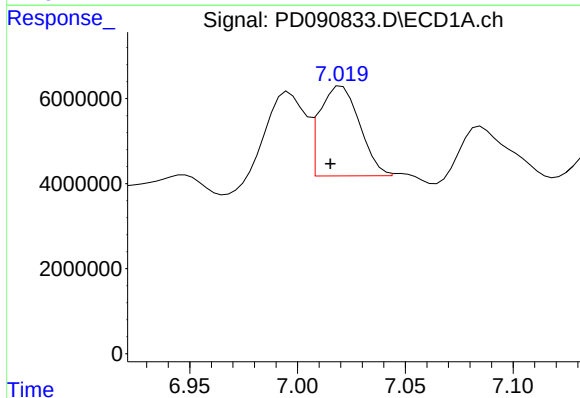
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



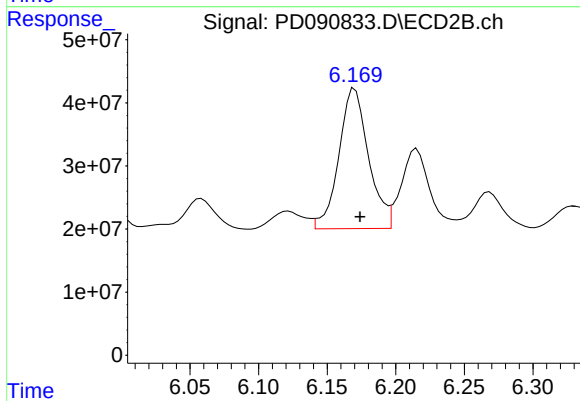
#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.009 min
Response: 219548426
Conc: 5.01 ng/ml



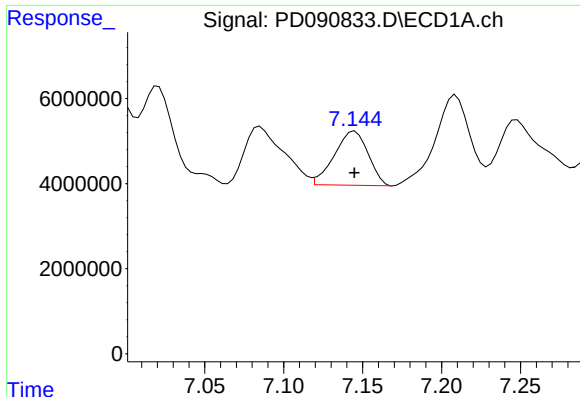
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.004 min
Response: 25912018
Conc: 6.30 ng/ml m



#17 4,4'-DDT

R.T.: 6.170 min
Delta R.T.: -0.004 min
Response: 335426106
Conc: 9.56 ng/ml



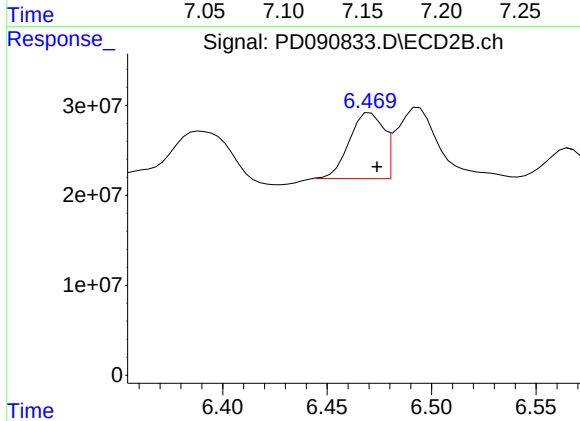
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 18837541
Conc: 4.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01

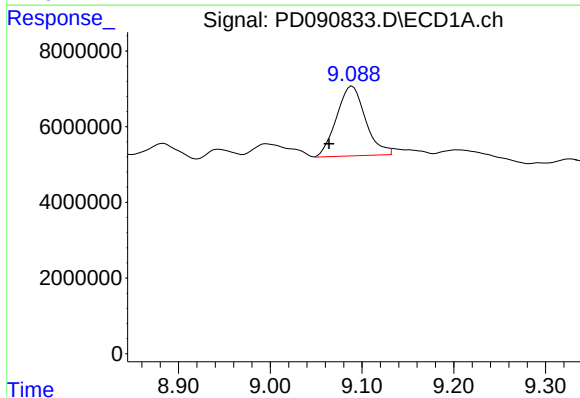
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



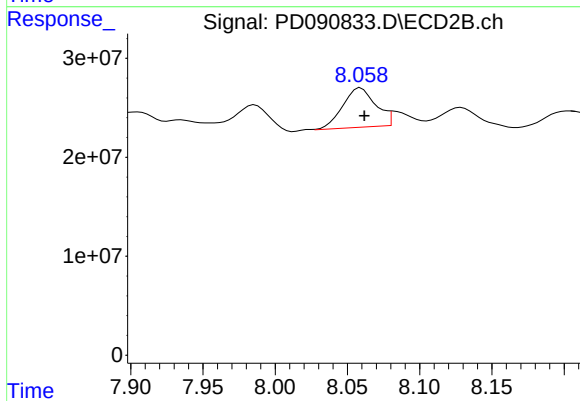
#19 Endosulfan Sulfate

R.T.: 6.469 min
Delta R.T.: -0.005 min
Response: 80233008
Conc: 2.24 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.088 min
Delta R.T.: 0.024 min
Response: 40836740
Conc: 8.73 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.004 min
Response: 63277086
Conc: 2.09 ng/ml m



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW3-251023-01		SDG No.:	Q3447
Lab Sample ID:	Q3447-05		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	97.8
Sample Wt/Vol:	30.09 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.13	U	1	0.13	1.70	ug/kg	10/24/25 13:58	PB170235
319-85-7	beta-BHC	0.18	U	1	0.18	1.70	ug/kg	10/24/25 13:58	PB170235
319-86-8	delta-BHC	0.40	U	1	0.40	1.70	ug/kg	10/24/25 13:58	PB170235
58-89-9	gamma-BHC (Lindane)	0.14	U	1	0.14	1.70	ug/kg	10/24/25 13:58	PB170235
76-44-8	Heptachlor	0.12	U	1	0.12	1.70	ug/kg	10/24/25 13:58	PB170235
309-00-2	Aldrin	0.12	U	1	0.12	1.70	ug/kg	10/24/25 13:58	PB170235
1024-57-3	Heptachlor epoxide	0.19	U	1	0.19	1.70	ug/kg	10/24/25 13:58	PB170235
959-98-8	Endosulfan I	0.14	U	1	0.14	1.70	ug/kg	10/24/25 13:58	PB170235
60-57-1	Dieldrin	0.14	U	1	0.14	1.70	ug/kg	10/24/25 13:58	PB170235
72-55-9	4,4-DDE	0.14	U	1	0.14	1.70	ug/kg	10/24/25 13:58	PB170235
72-20-8	Endrin	0.14	U	1	0.14	1.70	ug/kg	10/24/25 13:58	PB170235
33213-65-9	Endosulfan II	0.30	U	1	0.30	1.70	ug/kg	10/24/25 13:58	PB170235
72-54-8	4,4-DDD	0.15	U	1	0.15	1.70	ug/kg	10/24/25 13:58	PB170235
1031-07-8	Endosulfan Sulfate	0.13	U	1	0.13	1.70	ug/kg	10/24/25 13:58	PB170235
50-29-3	4,4-DDT	0.14	U	1	0.14	1.70	ug/kg	10/24/25 13:58	PB170235
72-43-5	Methoxychlor	0.38	U	1	0.38	1.70	ug/kg	10/24/25 13:58	PB170235
53494-70-5	Endrin ketone	0.19	U	1	0.19	1.70	ug/kg	10/24/25 13:58	PB170235
7421-93-4	Endrin aldehyde	0.38	U	1	0.38	1.70	ug/kg	10/24/25 13:58	PB170235
5103-71-9	alpha-Chlordane	0.12	U	1	0.12	1.70	ug/kg	10/24/25 13:58	PB170235
5103-74-2	gamma-Chlordane	0.15	U	1	0.15	1.70	ug/kg	10/24/25 13:58	PB170235
8001-35-2	Toxaphene	5.50	U	1	5.50	33.6	ug/kg	10/24/25 13:58	PB170235
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.4			20 - 144	117%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	12.7			19 - 148	63%	SPK: 20		

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\PD102425\
 Data File : PD090821.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 13:58
 Operator : AR\AJ
 Sample : Q3447-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-TW3-251023-01

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:38:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.542	2.873	39495322	338.8E6	12.682m	11.379m
28)	SA Decachlor...	9.068	8.060	109.5E6	245.9E6	23.412	8.119 #

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090821.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 13:58
Operator : AR\AJ
Sample : Q3447-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

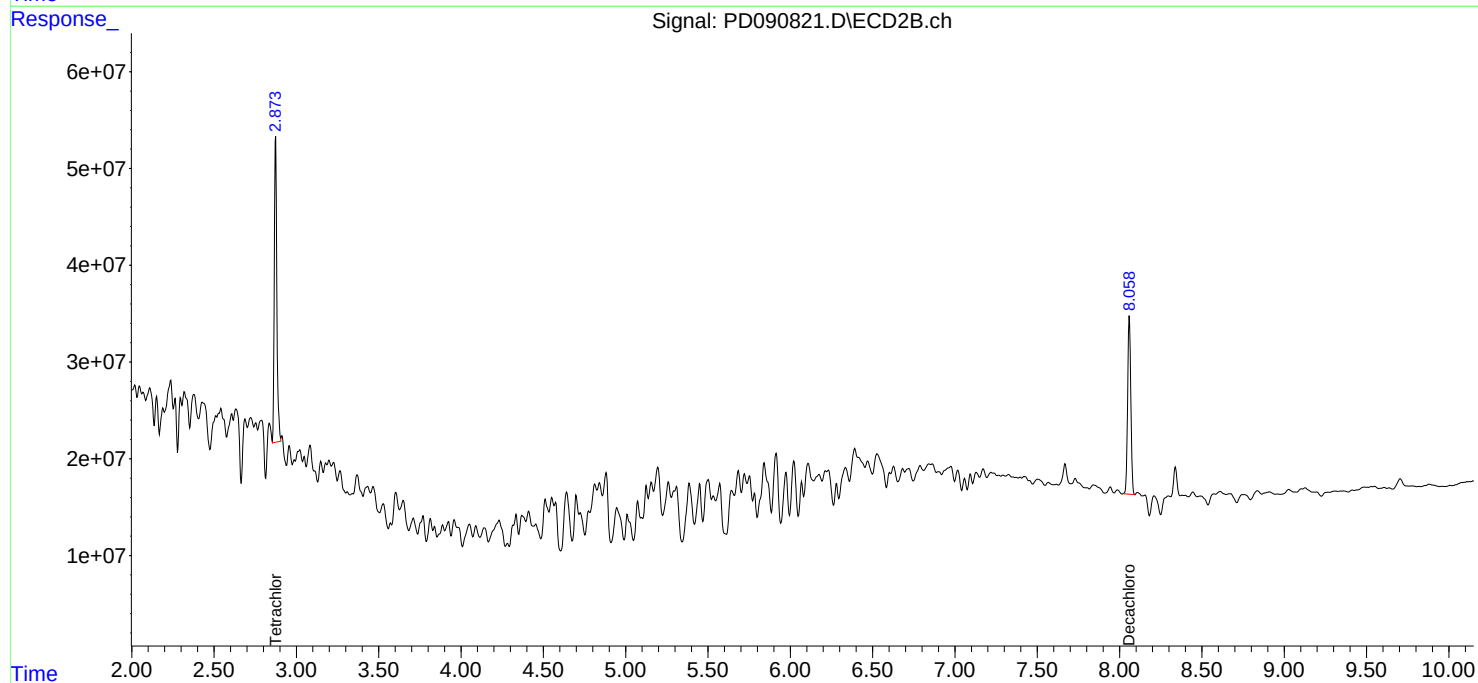
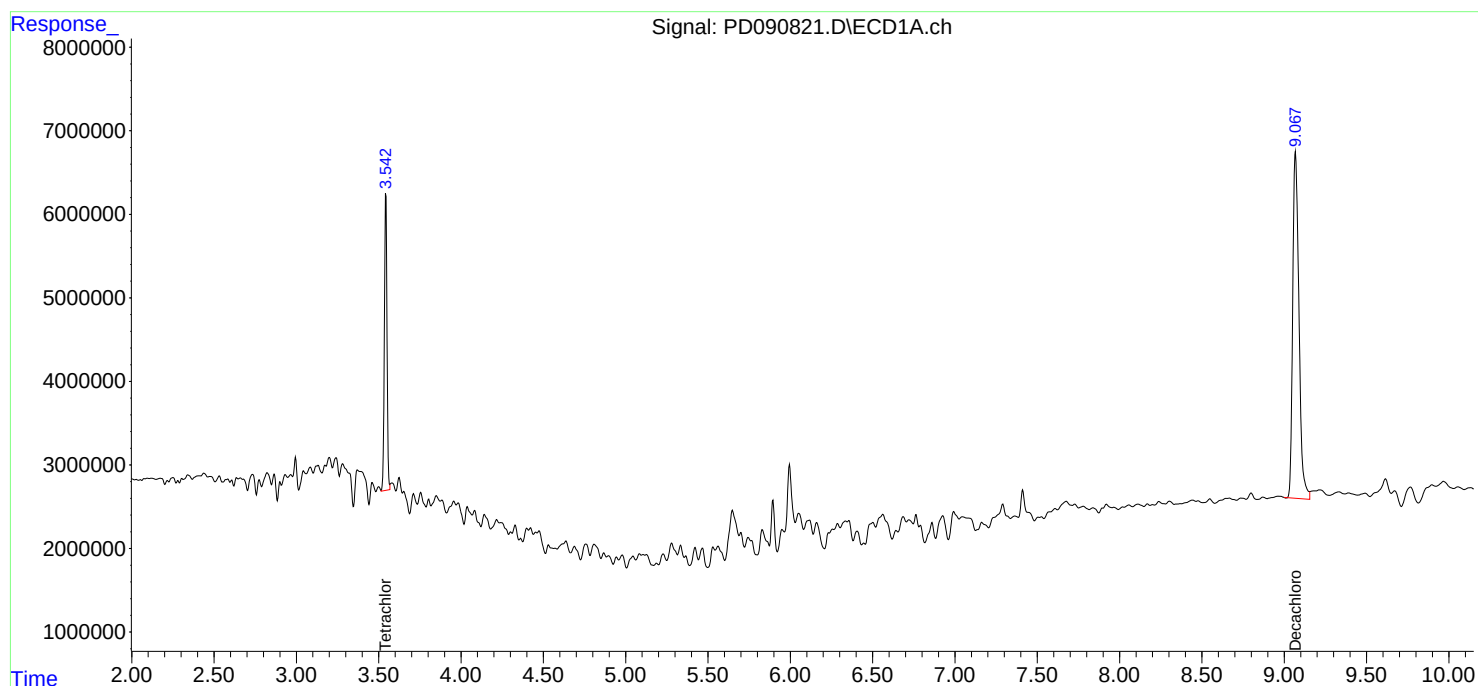
Instrument :
ECD_D
ClientSampleId :
P001-TW3-251023-01

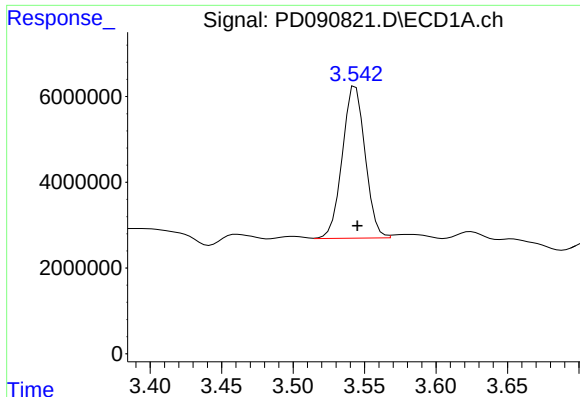
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:38:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





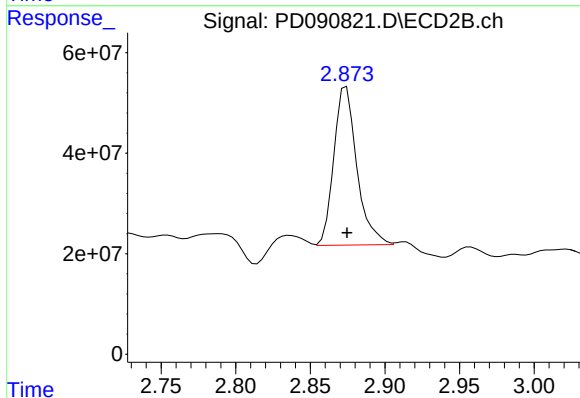
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 39495322
Conc: 12.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW3-251023-01

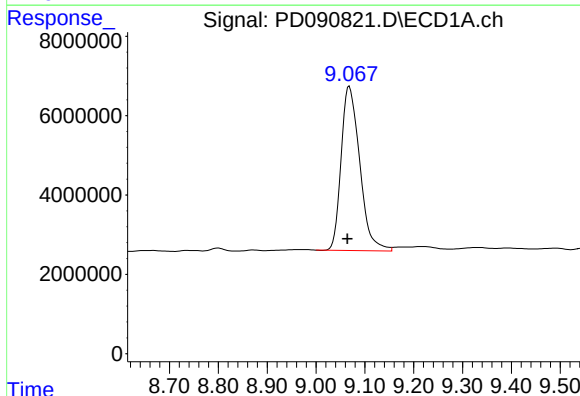
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



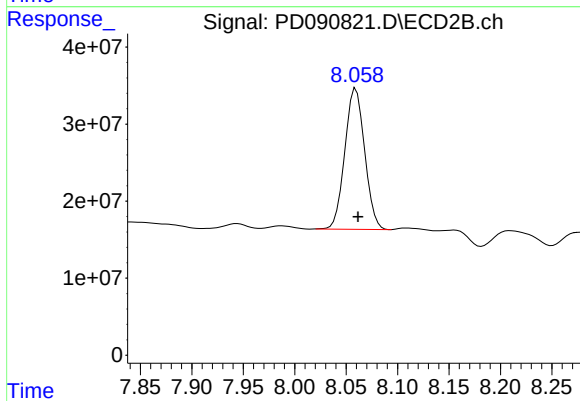
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 338847326
Conc: 11.38 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.004 min
Response: 109520815
Conc: 23.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 245933881
Conc: 8.12 ng/ml



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW4-251023-01		SDG No.:	Q3447
Lab Sample ID:	Q3447-07		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	10.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.90	U	10	3.90	50.7	ug/kg	10/24/25 16:38	PB170235
319-85-7	beta-BHC	5.40	U	10	5.40	50.7	ug/kg	10/24/25 16:38	PB170235
319-86-8	delta-BHC	11.6	U	10	11.6	50.7	ug/kg	10/24/25 16:38	PB170235
58-89-9	gamma-BHC (Lindane)	4.20	U	10	4.20	50.7	ug/kg	10/24/25 16:38	PB170235
76-44-8	Heptachlor	3.60	U	10	3.60	50.7	ug/kg	10/24/25 16:38	PB170235
309-00-2	Aldrin	3.60	U	10	3.60	50.7	ug/kg	10/24/25 16:38	PB170235
1024-57-3	Heptachlor epoxide	5.70	U	10	5.70	50.7	ug/kg	10/24/25 16:38	PB170235
959-98-8	Endosulfan I	4.20	U	10	4.20	50.7	ug/kg	10/24/25 16:38	PB170235
60-57-1	Dieldrin	4.20	U	10	4.20	50.7	ug/kg	10/24/25 16:38	PB170235
72-55-9	4,4-DDE	4.20	U	10	4.20	50.7	ug/kg	10/24/25 16:38	PB170235
72-20-8	Endrin	4.20	U	10	4.20	50.7	ug/kg	10/24/25 16:38	PB170235
33213-65-9	Endosulfan II	8.70	U	10	8.70	50.7	ug/kg	10/24/25 16:38	PB170235
72-54-8	4,4-DDD	4.50	U	10	4.50	50.7	ug/kg	10/24/25 16:38	PB170235
1031-07-8	Endosulfan Sulfate	3.90	U	10	3.90	50.7	ug/kg	10/24/25 16:38	PB170235
50-29-3	4,4-DDT	4.20	U	10	4.20	50.7	ug/kg	10/24/25 16:38	PB170235
72-43-5	Methoxychlor	11.0	U	10	11.0	50.7	ug/kg	10/24/25 16:38	PB170235
53494-70-5	Endrin ketone	5.70	U	10	5.70	50.7	ug/kg	10/24/25 16:38	PB170235
7421-93-4	Endrin aldehyde	11.0	U	10	11.0	50.7	ug/kg	10/24/25 16:38	PB170235
5103-71-9	alpha-Chlordane	3.60	U	10	3.60	50.7	ug/kg	10/24/25 16:38	PB170235
5103-74-2	gamma-Chlordane	4.50	U	10	4.50	50.7	ug/kg	10/24/25 16:38	PB170235
8001-35-2	Toxaphene	161	U	10	161	985	ug/kg	10/24/25 16:38	PB170235
SURROGATES									
2051-24-3	Decachlorobiphenyl	94.0	*		20 - 144	470%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	8.70			19 - 148	44%	SPK: 20		

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\PD102425\
 Data File : PD090826.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 16:38
 Operator : AR\AJ
 Sample : Q3447-07 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-TW4-251023-01

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:39:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 0.5 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...	3.543	2.876	2706320	18053065	0.869	0.606m#
2) SA Decachlor...	9.084	8.060	43974566	34651815	9.400m	1.144m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090826.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 16:38
Operator : AR\AJ
Sample : Q3447-07 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

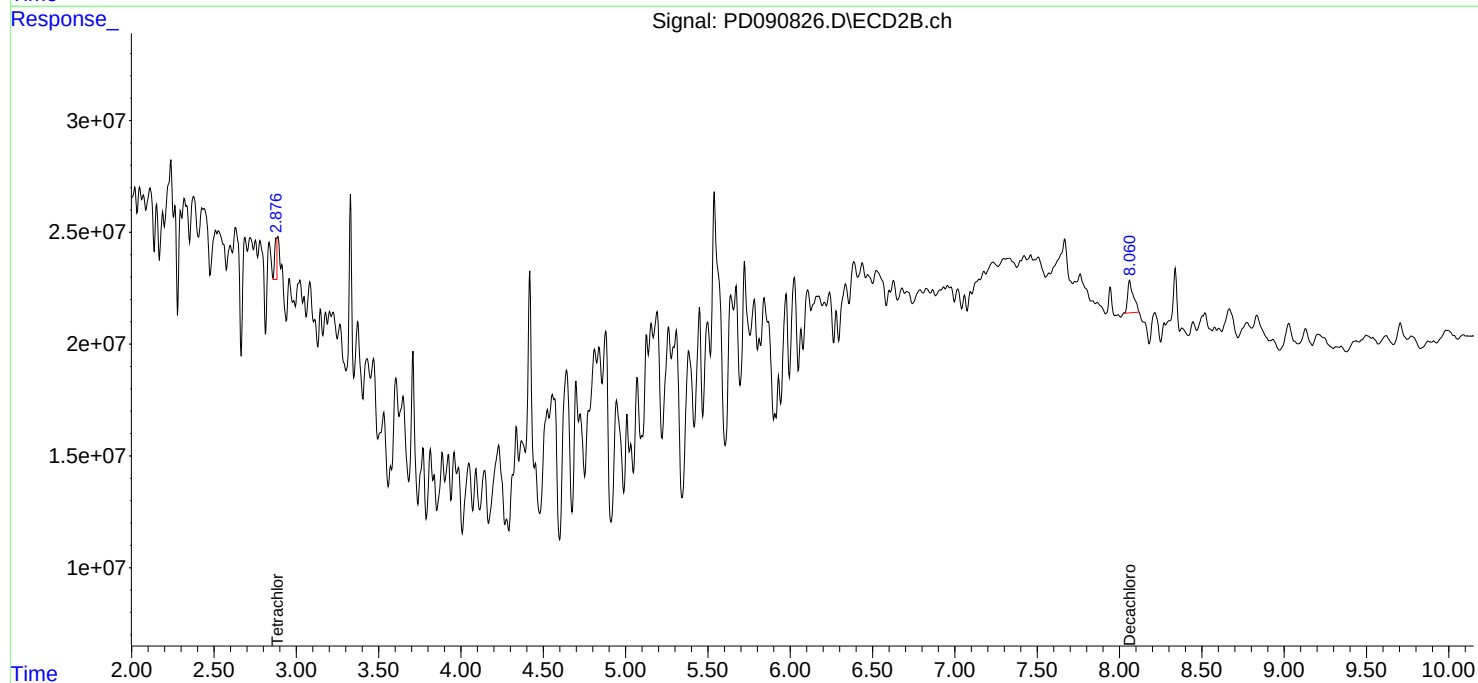
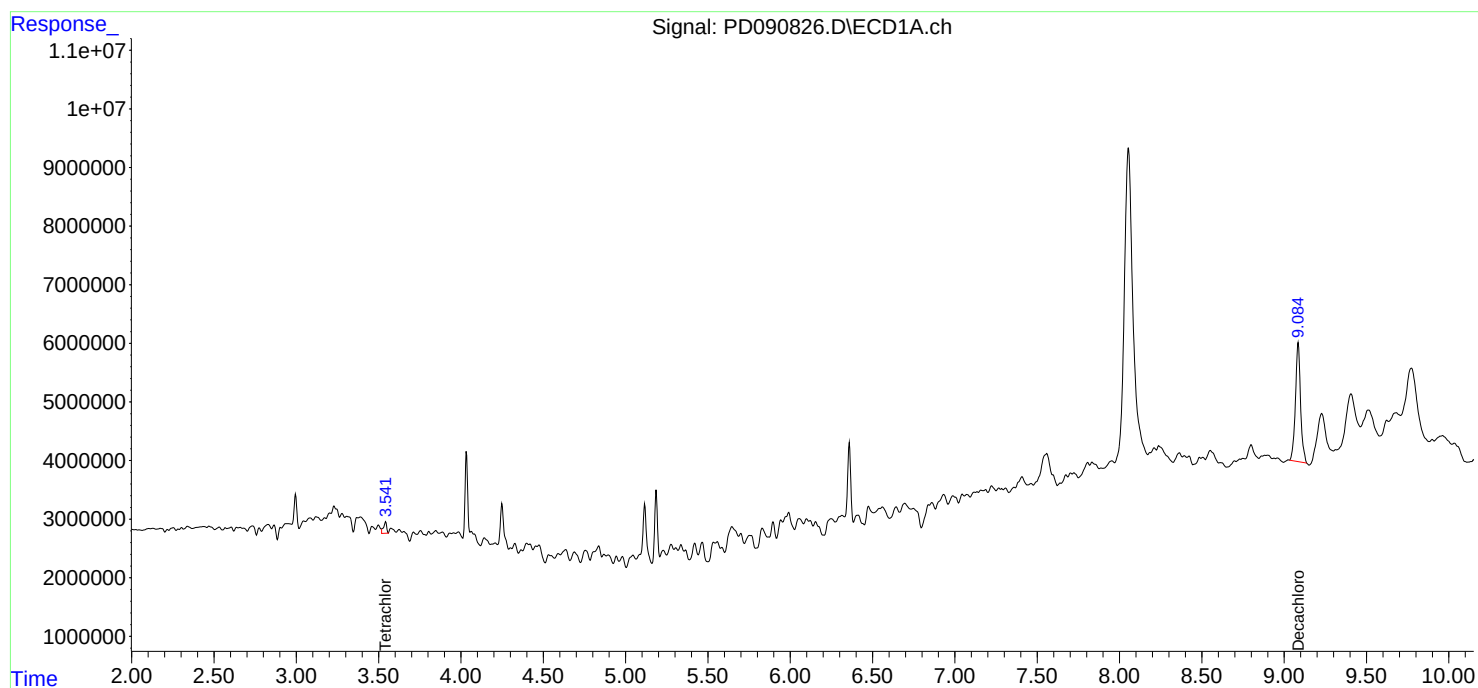
Instrument :
ECD_D
ClientSampleId :
P001-TW4-251023-01

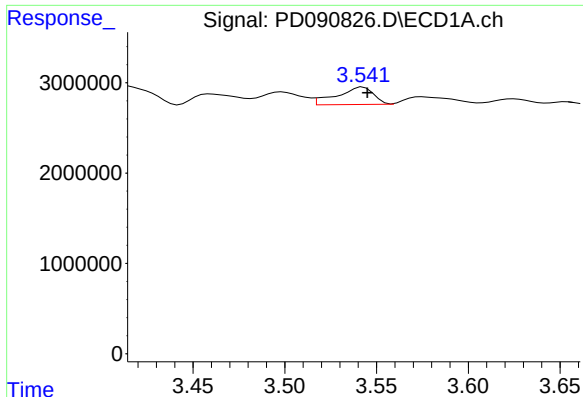
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:39:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





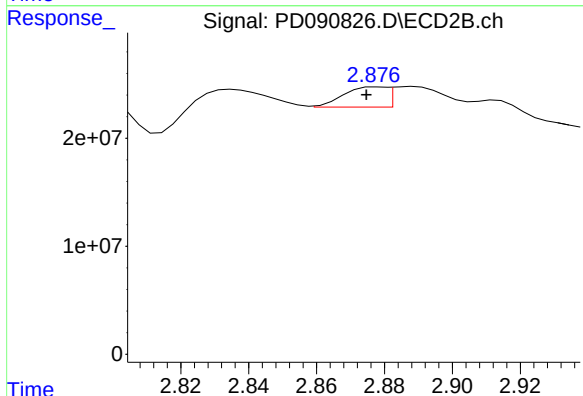
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 2706320
Conc: 0.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW4-251023-01

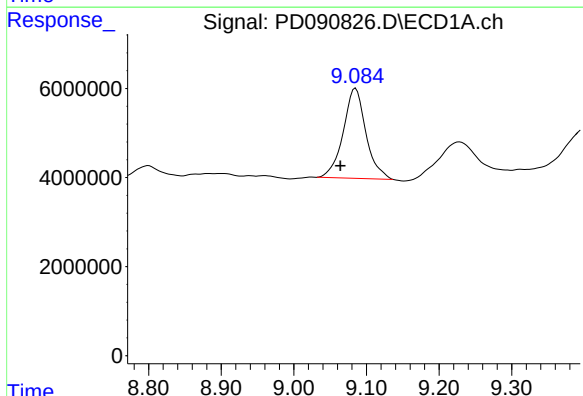
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



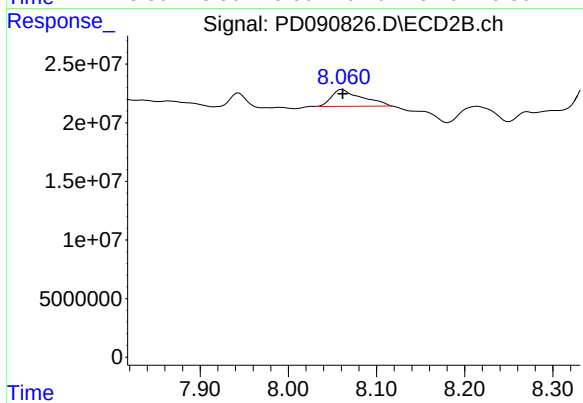
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.001 min
Response: 18053065
Conc: 0.61 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.084 min
Delta R.T.: 0.020 min
Response: 43974566
Conc: 9.40 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 34651815
Conc: 1.14 ng/ml m



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3447</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

LAB FILE ID:	RT 100 = <u>PD090650.D</u>	RT 075 = <u>PD090651.D</u>
RT 050 = <u>PD090652.D</u>	RT 025 = <u>PD090653.D</u>	RT 005 = <u>PD090654.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.27	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.06	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.14	7.14	7.14	7.04	7.24
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.33	4.33	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.54	3.55	3.55	3.54	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3447</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

LAB FILE ID:	RT 100 = <u>PD090650.D</u>	RT 075 = <u>PD090651.D</u>
RT 050 = <u>PD090652.D</u>	RT 025 = <u>PD090653.D</u>	RT 005 = <u>PD090654.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.17	6.18	6.17	6.17	6.18	6.17	6.07	6.27
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.50	5.50	5.50	5.50	5.50	5.50	5.40	5.60
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.72	3.72	3.72	3.72	3.72	3.72	3.62	3.82
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.07	4.08	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.87	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.75	6.75	6.75	6.74	6.75	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.88	2.88	2.87	2.87	2.87	2.77	2.97

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ROYF02
SDG NO.: Q3447
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID:		CF 100 =	PD090650.D	CF 075 =	PD090651.D		
CF 050 =		PD090652.D	CF 025 =	PD090653.D	CF 005 =	PD090654.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4150980000	4075270000	4055470000	3840760000	4148570000	4054210000	3
4,4'-DDE	5435610000	5370750000	5317610000	5053060000	5456160000	5326640000	3
4,4'-DDT	4256810000	4152600000	4117930000	3927880000	4097130000	4110470000	3
Aldrin	6694230000	6562230000	6516940000	6238140000	6724820000	6547270000	3
alpha-BHC	7752530000	7402380000	7252210000	6743070000	6735520000	7177140000	6
alpha-Chlordane	5966070000	5905470000	5938650000	6170460000	6920630000	6180250000	7
beta-BHC	2515210000	2489310000	2540370000	2560620000	2992650000	2619630000	8
Decachlorobiphenyl	4361180000	4315270000	4506230000	4707060000	5500070000	4677960000	10
delta-BHC	7169260000	6905720000	6771510000	6342450000	6619680000	6761720000	5
Dieldrin	5929890000	5841940000	5818180000	5550330000	6016400000	5831350000	3
Endosulfan I	5452270000	5404490000	5449050000	5348660000	6028770000	5536650000	5
Endosulfan II	4873230000	4835950000	4885080000	4789750000	5615800000	4999960000	7
Endosulfan sulfate	4557060000	4504850000	4556170000	4479960000	5092920000	4638190000	6
Endrin	5035940000	4962910000	4938250000	4711180000	5120260000	4953710000	3
Endrin aldehyde	3505880000	3507960000	3571680000	3579710000	4148280000	3662700000	7
Endrin ketone	4819770000	4736510000	4782320000	4695250000	5260400000	4858850000	5
gamma-BHC (Lindane)	7185880000	6905860000	6799650000	6417980000	6684750000	6798820000	4
gamma-Chlordane	5972450000	5894040000	5855640000	5592670000	6341090000	5931180000	5
Heptachlor	5757910000	5597510000	5545540000	5288860000	5757970000	5589560000	3
Heptachlor epoxide	5795570000	5708170000	5718680000	5584980000	6137920000	5789060000	4
Methoxychlor	2050060000	2015340000	2078640000	2094570000	2389310000	2125590000	7
Tetrachloro-m-xylene	3010860000	2951180000	3030100000	3124300000	3454390000	3114160000	6



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ROYF02
SDG NO.: Q3447

Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID:		CF 100 =	<u>PD090650.D</u>	CF 075 =	<u>PD090651.D</u>		
CF 050 =		<u>PD090652.D</u>	CF 025 =	<u>PD090653.D</u>	CF 005 =	<u>PD090654.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	33708900000	34309400000	35560900000	36237500000	42373300000	36438000000	10
4,4'-DDE	40500800000	41191000000	42548600000	43577200000	51373700000	43838300000	10
4,4'-DDT	33888000000	33982600000	34868200000	34959100000	37667600000	35073100000	4
Aldrin	43083800000	43574800000	45033800000	46172400000	53729700000	46318900000	9
alpha-BHC	49118000000	48392000000	49683700000	50500300000	57784900000	51095800000	7
alpha-Chlordane	40004000000	40550200000	41893000000	42708900000	50532500000	43137700000	10
beta-BHC	18296700000	18365500000	19080800000	19804100000	23600800000	19829500000	11
Decachlorobiphenyl	28856800000	28247200000	29308000000	30057200000	34987600000	30291400000	9
delta-BHC	45324900000	45220200000	46466400000	47155800000	54416000000	47716700000	8
Dieldrin	40601100000	41425500000	43096200000	44203200000	51593900000	44184000000	10
Endosulfan I	35728600000	36586400000	38185700000	39478600000	46972400000	39390300000	11
Endosulfan II	34269700000	34968100000	36432200000	37520200000	44587200000	37555500000	11
Endosulfan sulfate	32963400000	33538900000	34960800000	35861000000	41900900000	35845000000	10
Endrin	36902000000	37827400000	39400900000	40693000000	47646500000	40494000000	11
Endrin aldehyde	25110900000	25739400000	26893100000	27767400000	32953200000	27692800000	11
Endrin ketone	34460000000	35020500000	36550700000	37816700000	44740900000	37717800000	11
gamma-BHC (Lindane)	44964800000	44604900000	45972800000	46808300000	53893500000	47248900000	8
gamma-Chlordane	41920800000	42422300000	43748100000	44346600000	52306700000	44948900000	9
Heptachlor	41272300000	41810600000	43239300000	44502900000	52189000000	44602800000	10
Heptachlor epoxide	38203400000	38891500000	40672900000	42374400000	53052500000	42639000000	14
Methoxychlor	16116900000	16316400000	17198900000	17735100000	19771700000	17427800000	8
Tetrachloro-m-xylene	27903400000	27689100000	28617400000	29726500000	34949400000	29777100000	10



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

Instrument ID: ECD_D Date(s) Analyzed: 10/17/2025 10/17/2025

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	32564400
		2	6.44	6.34	6.54	48621800
		3	7.14	7.04	7.24	85710600
		4	7.56	7.46	7.66	95737400
		5	7.92	7.82	8.02	60480500



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025
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	263702000
		2	5.64	5.54	5.74	176560000
		3	6.75	6.65	6.85	658883000
		4	7.19	7.09	7.29	495104000
		5	7.32	7.22	7.42	246033000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090650.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:34
 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: Oct 17 13:33:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 13:29:41 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...	3.544	2.874	301.1E6	2790.3E6	99.682	98.737
2)	SA Decachlor...	9.066	8.061	436.1E6	2885.7E6	98.364	99.224
Target Compounds							
2)	A alpha-BHC	3.994	3.386	775.3E6	4911.8E6	103.334	99.427
3)	MA gamma-BHC...	4.324	3.722	718.6E6	4496.5E6	102.762	98.892
4)	MA Heptachlor	4.922	4.075	575.8E6	4127.2E6	101.879	97.673
5)	MB Aldrin	5.264	4.360	669.4E6	4308.4E6	101.342	97.787
6)	B beta-BHC	4.511	4.019	251.5E6	1829.7E6	99.502	97.902
7)	B delta-BHC	4.760	4.255	716.9E6	4532.5E6	102.853	98.756
8)	B Heptachlo...	5.685	4.864	579.6E6	3820.3E6	100.668	96.869
9)	A Endosulfan I	6.068	5.238	545.2E6	3572.9E6	100.030	96.676
10)	B gamma-Chl...	5.940	5.117	597.2E6	4192.1E6	100.988	97.867
11)	B alpha-Chl...	6.020	5.181	596.6E6	4000.4E6	100.230	97.693
12)	B 4,4'-DDE	6.190	5.366	543.6E6	4050.1E6	101.097	97.534
13)	MA Dieldrin	6.341	5.504	593.0E6	4060.1E6	100.951	97.019
14)	MA Endrin	6.568	5.780	503.6E6	3690.2E6	100.979	96.725
15)	B Endosulfa...	6.781	6.072	487.3E6	3427.0E6	99.879	96.941
16)	A 4,4'-DDD	6.700	5.920	415.1E6	3370.9E6	101.164	97.326
17)	MA 4,4'-DDT	7.016	6.174	425.7E6	3388.8E6	101.658	98.574
18)	B Endrin al...	6.910	6.250	350.6E6	2511.1E6	99.070	96.573
19)	B Endosulfa...	7.145	6.474	455.7E6	3296.3E6	100.010	97.059
20)	A Methoxychlor	7.489	6.745	205.0E6	1611.7E6	99.308	96.752
21)	B Endrin ke...	7.625	6.982	482.0E6	3446.0E6	100.390	97.056
22)	Mirex	8.107	7.175	295.5E6	2331.6E6	97.723	97.238

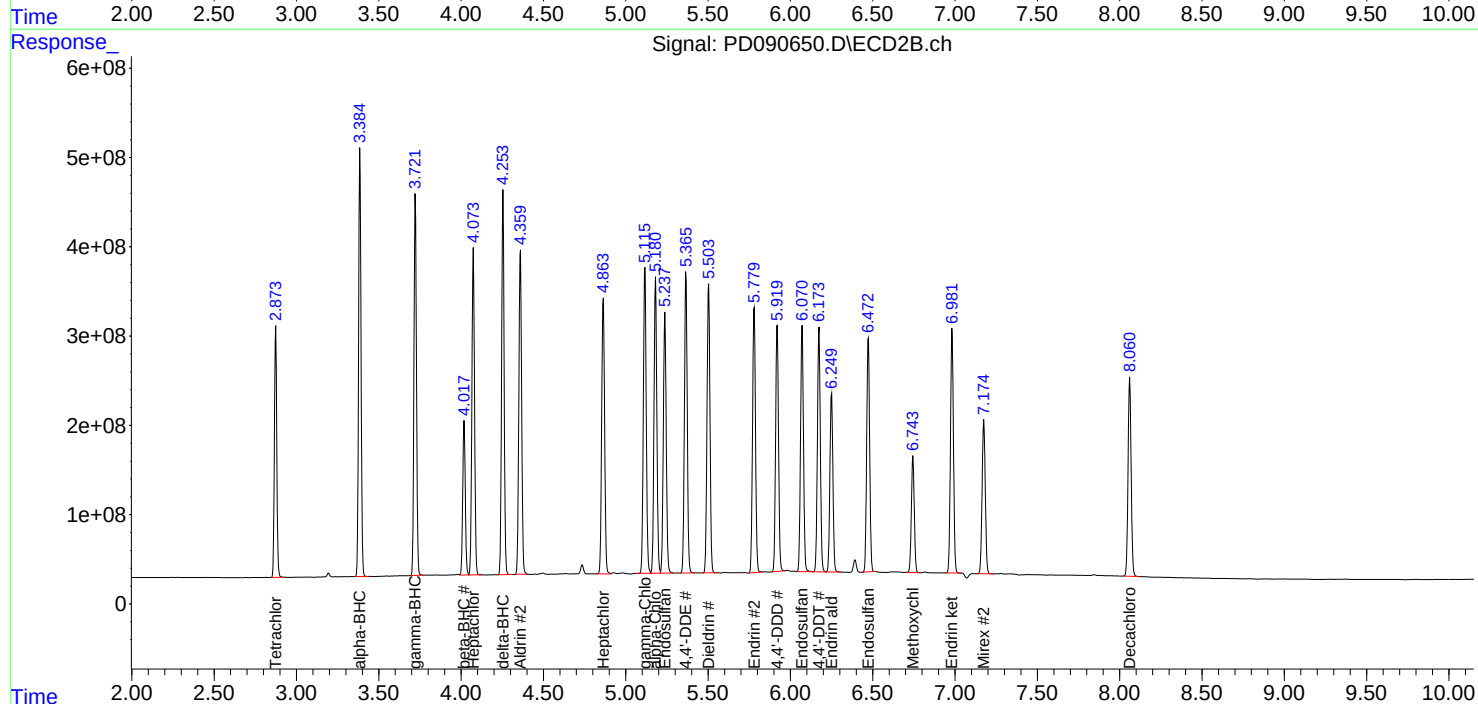
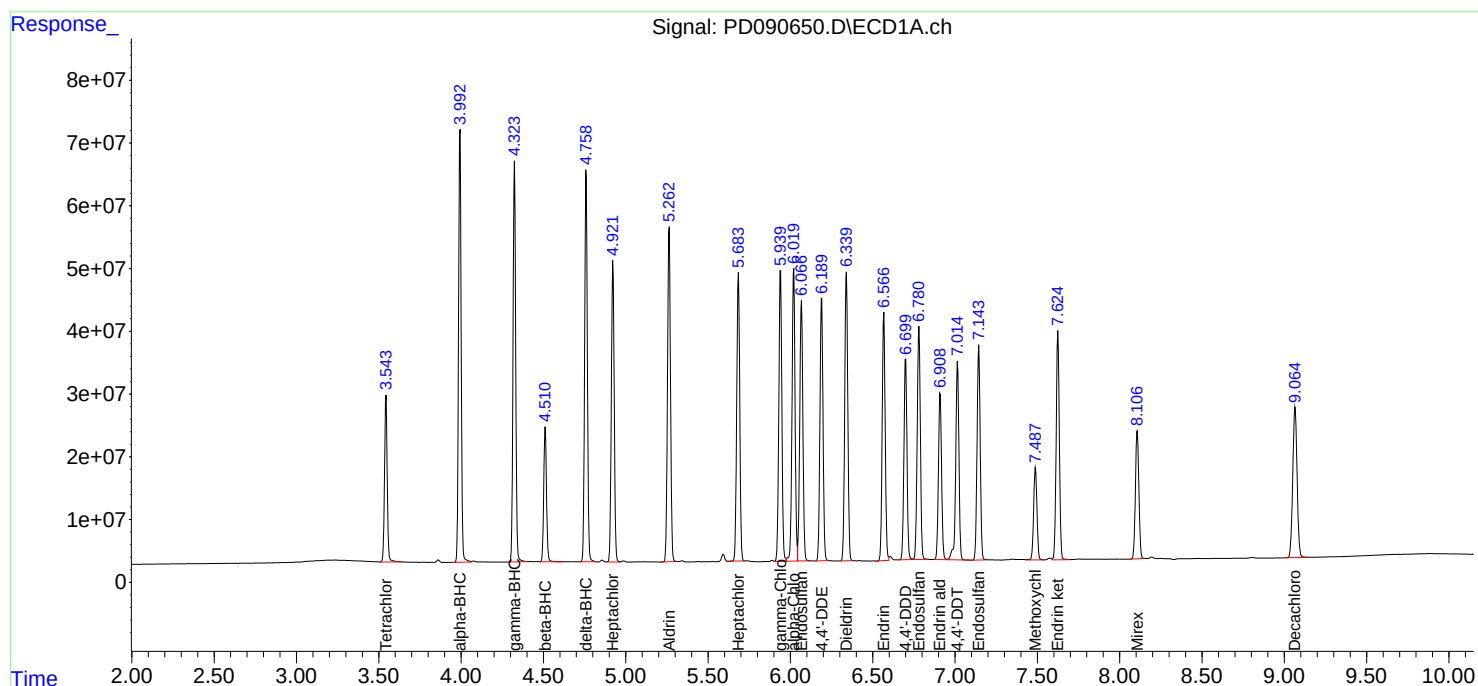
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090650.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:34
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

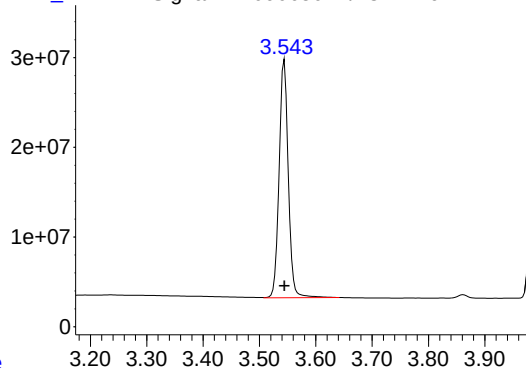
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:33:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 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



Response_ Signal: PD090650.D\ECD1A.ch

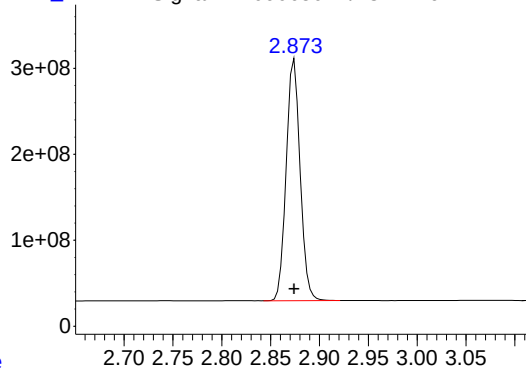


#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 301086012
Conc: 99.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

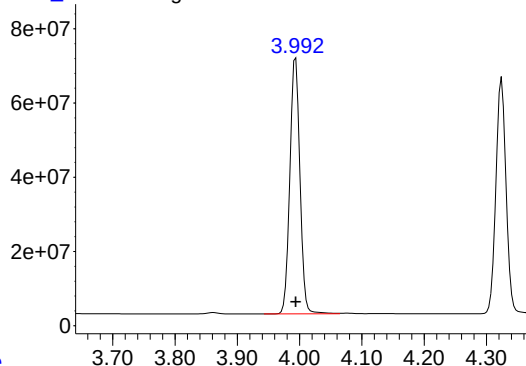
Time Response_ Signal: PD090650.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 2790335064
Conc: 98.74 ng/ml

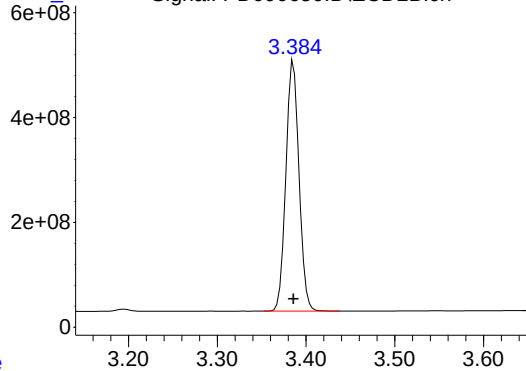
Time Response_ Signal: PD090650.D\ECD1A.ch



#2 alpha-BHC

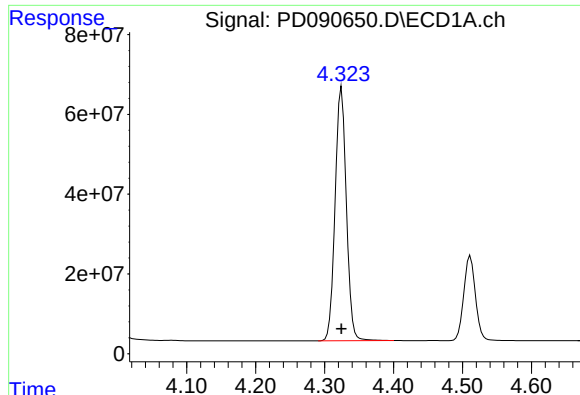
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 775252906
Conc: 103.33 ng/ml

Time Response_ Signal: PD090650.D\ECD2B.ch



#2 alpha-BHC

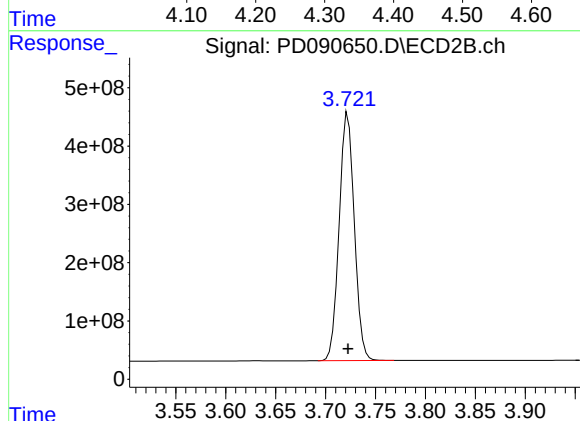
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 4911798337
Conc: 99.43 ng/ml



#3 gamma-BHC (Lindane)

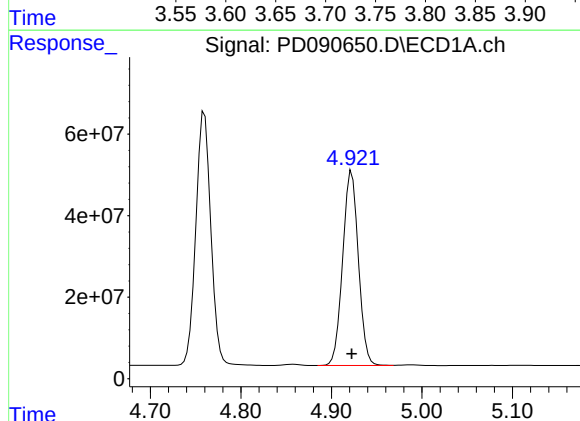
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 718588040
Conc: 102.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



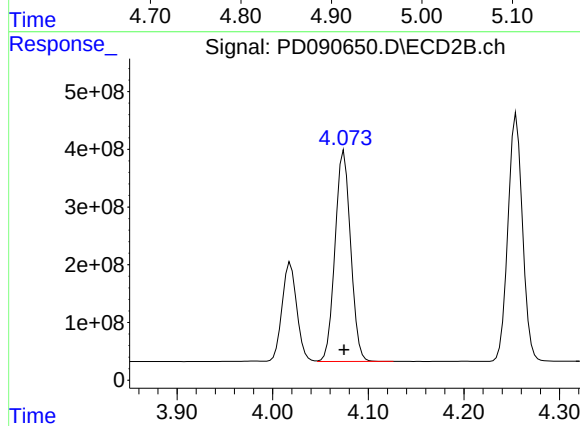
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 4496483491
Conc: 98.89 ng/ml



#4 Heptachlor

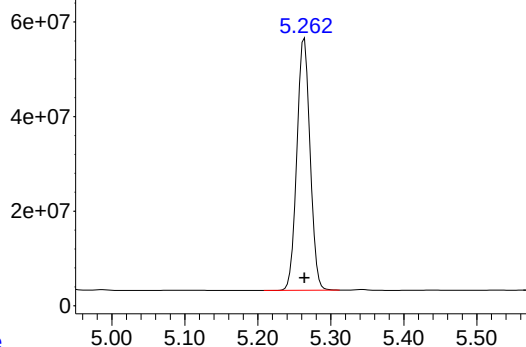
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 575791141
Conc: 101.88 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 4127234386
Conc: 97.67 ng/ml

Response_ Signal: PD090650.D\ECD1A.ch

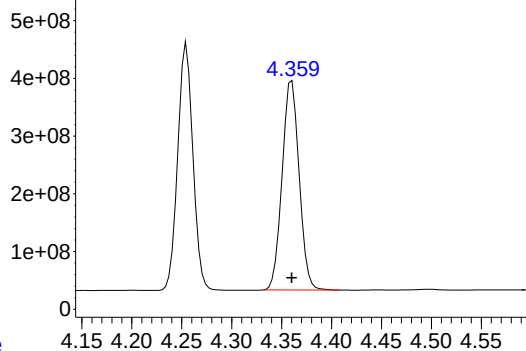


#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 669423227
Conc: 101.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

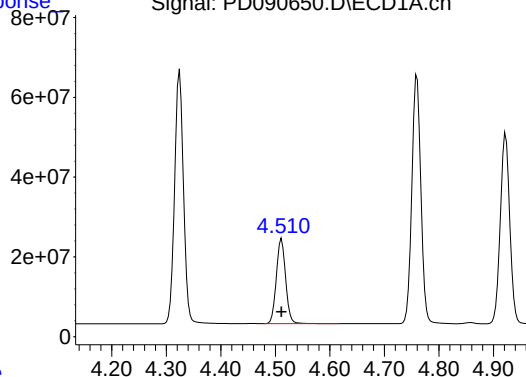
Time Response_ Signal: PD090650.D\ECD2B.ch



#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 4308380411
Conc: 97.79 ng/ml

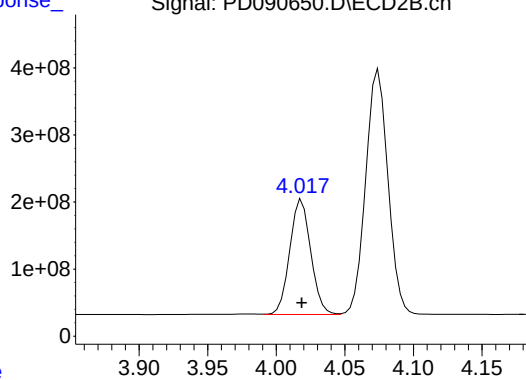
Time Response_ Signal: PD090650.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 251520811
Conc: 99.50 ng/ml

Time Response_ Signal: PD090650.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 1829668615
Conc: 97.90 ng/ml

Response_

Signal: PD090650.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.760 min

Delta R.T.: 0.000 min

Response: 716926396

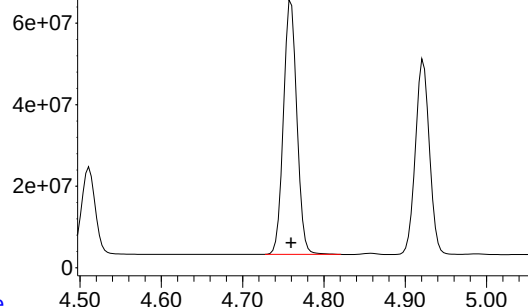
Conc: 102.85 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC100



Time

Response_

Signal: PD090650.D\ECD2B.ch

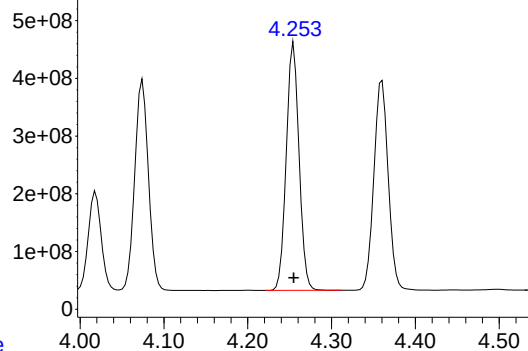
#7 delta-BHC

R.T.: 4.255 min

Delta R.T.: 0.000 min

Response: 4532491918

Conc: 98.76 ng/ml



Time

Response_

Signal: PD090650.D\ECD1A.ch

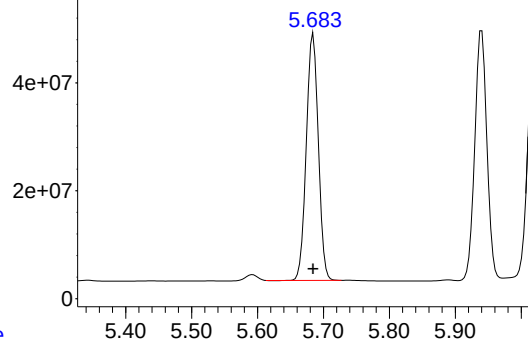
#8 Heptachlor epoxide

R.T.: 5.685 min

Delta R.T.: 0.000 min

Response: 579557032

Conc: 100.67 ng/ml



Time

Response_

Signal: PD090650.D\ECD2B.ch

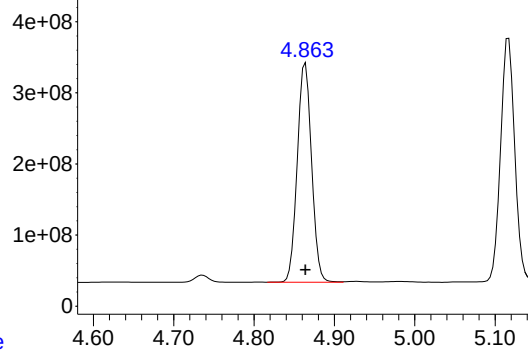
#8 Heptachlor epoxide

R.T.: 4.864 min

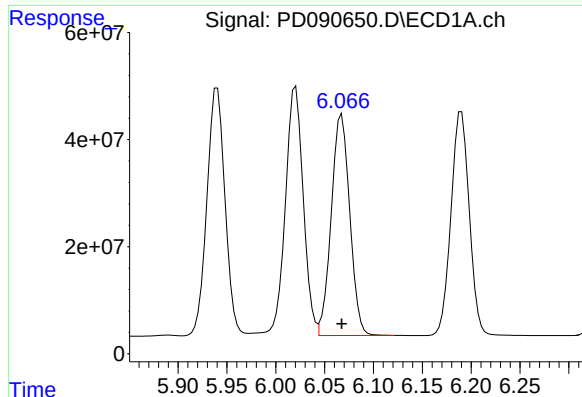
Delta R.T.: 0.000 min

Response: 3820342410

Conc: 96.87 ng/ml



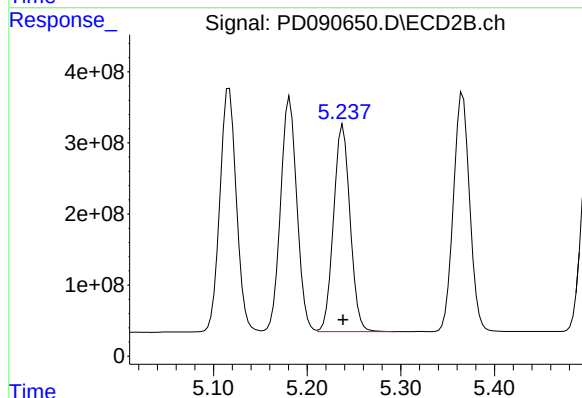
Time



#9 Endosulfan I

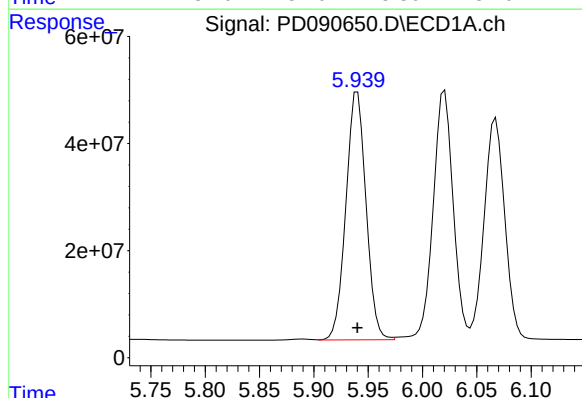
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 545227033
Conc: 100.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



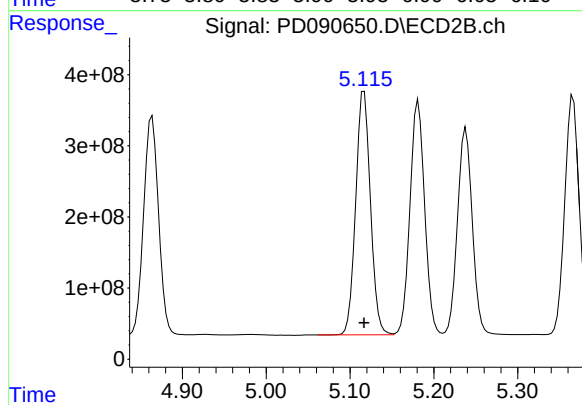
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 3572859410
Conc: 96.68 ng/ml



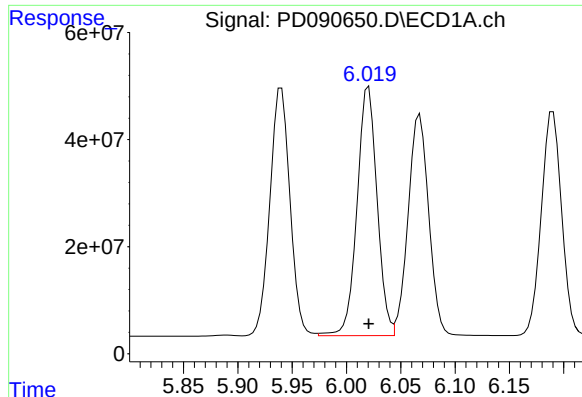
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 597245354
Conc: 100.99 ng/ml



#10 gamma-Chlordane

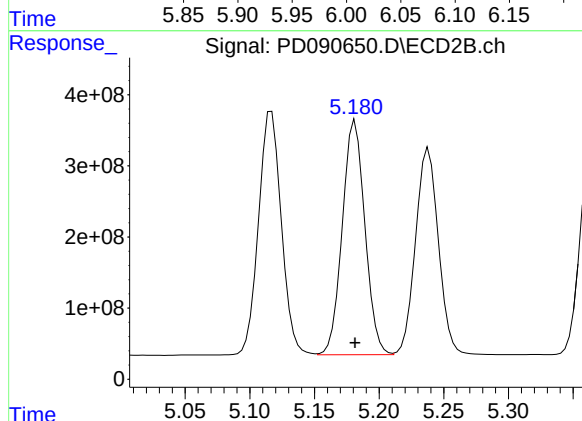
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 4192081714
Conc: 97.87 ng/ml



#11 alpha-Chlordane

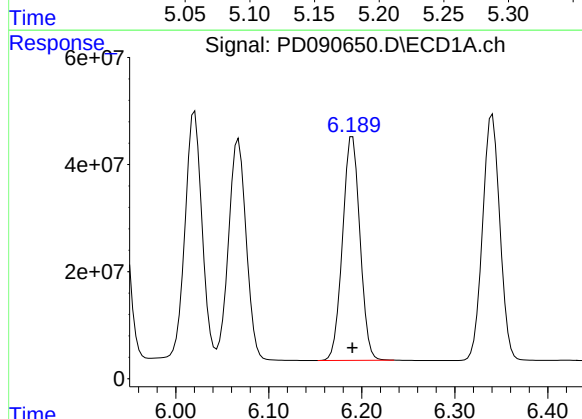
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 596606616
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



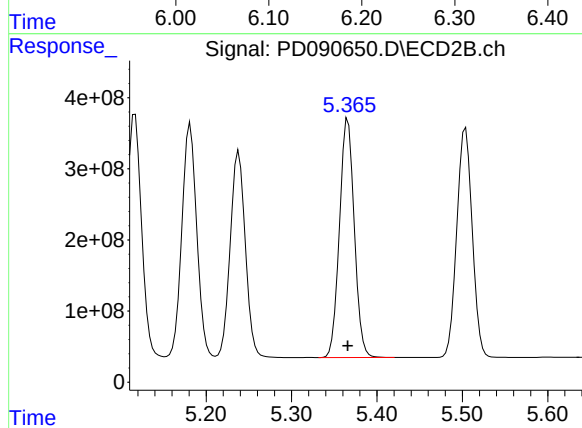
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 4000403429
Conc: 97.69 ng/ml



#12 4,4'-DDE

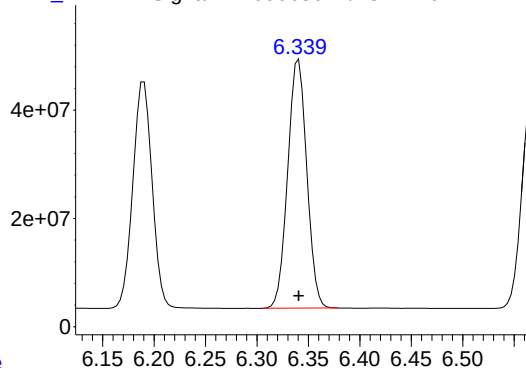
R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 543560575
Conc: 101.10 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 4050079316
Conc: 97.53 ng/ml

Response_ Signal: PD090650.D\ECD1A.ch

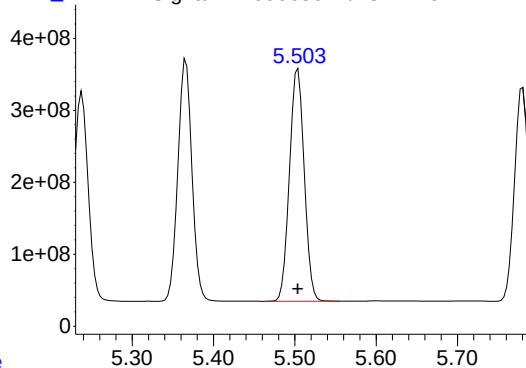


#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 592988915
Conc: 100.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

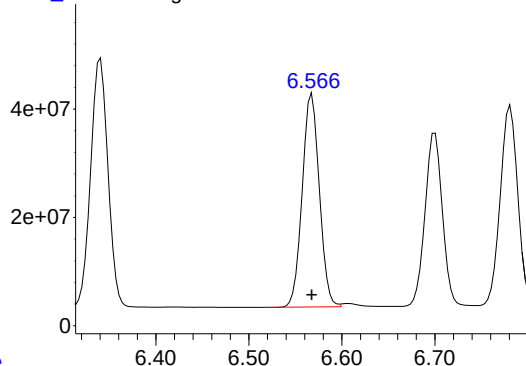
Response_ Signal: PD090650.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 4060107897
Conc: 97.02 ng/ml

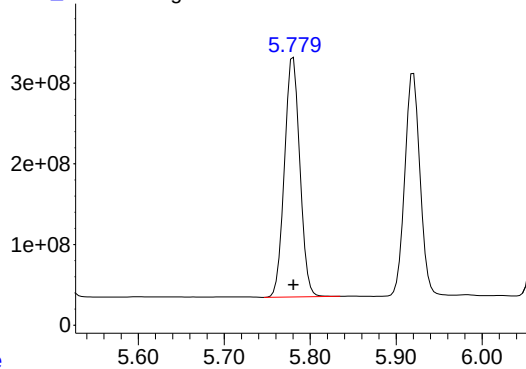
Response_ Signal: PD090650.D\ECD1A.ch



#14 Endrin

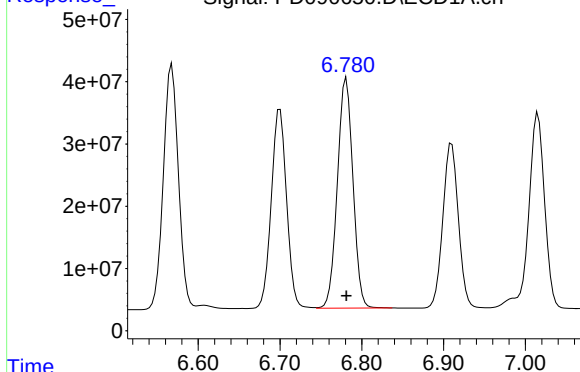
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 503593872
Conc: 100.98 ng/ml

Response_ Signal: PD090650.D\ECD2B.ch



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 3690195471
Conc: 96.72 ng/ml



R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 487323424
Conc: 99.88 ng/ml

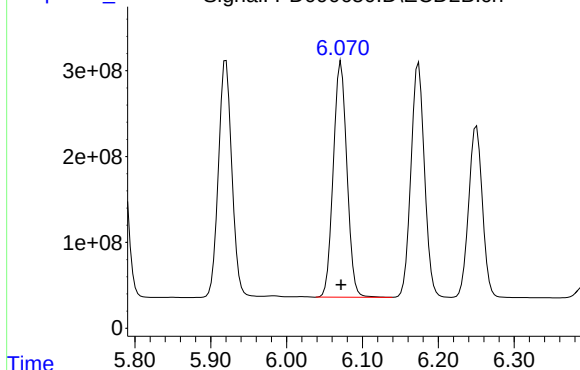
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#15 Endosulfan II



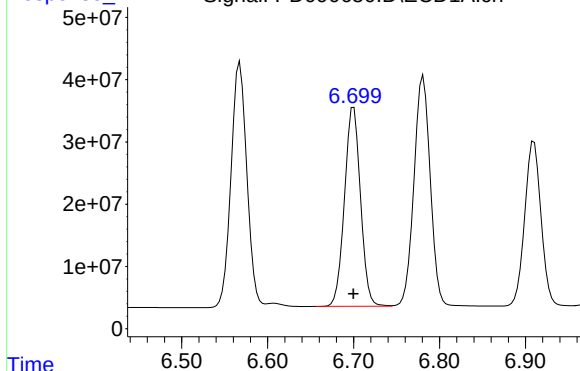
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 3426973062
Conc: 96.94 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#16 4,4'-DDD



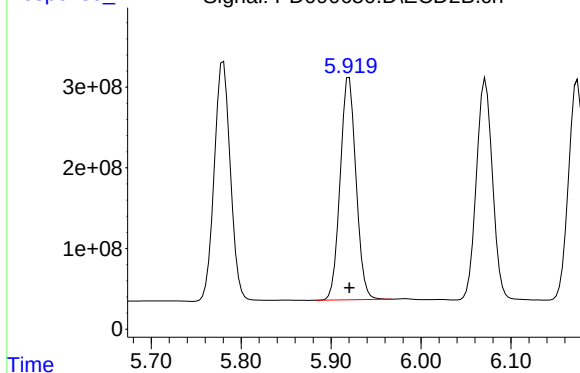
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 415098011
Conc: 101.16 ng/ml

Time

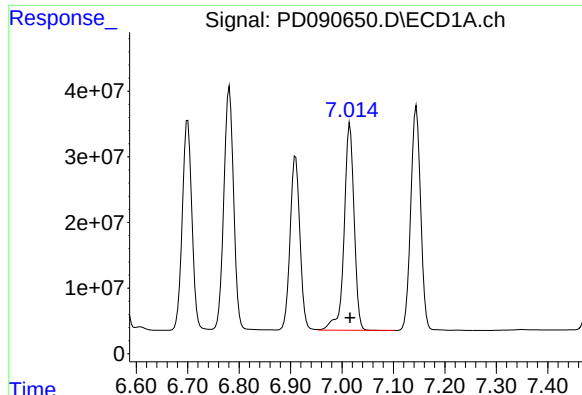
Response_

Signal: PD090650.D\ECD2B.ch

#16 4,4'-DDD



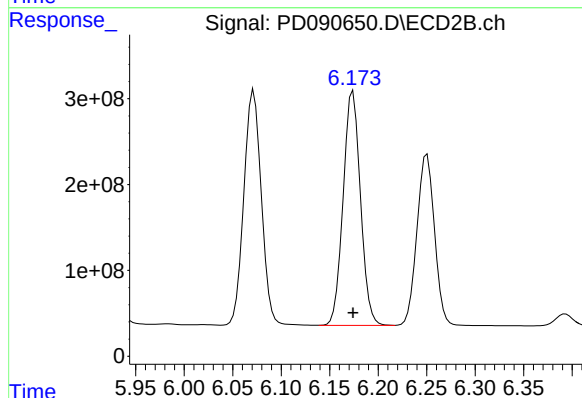
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 3370894623
Conc: 97.33 ng/ml



#17 4,4'-DDT

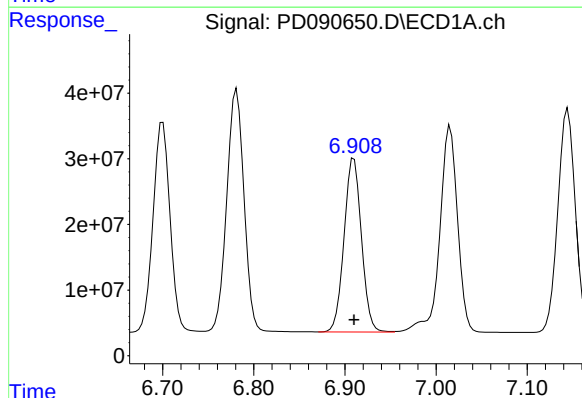
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 425681261
Conc: 101.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



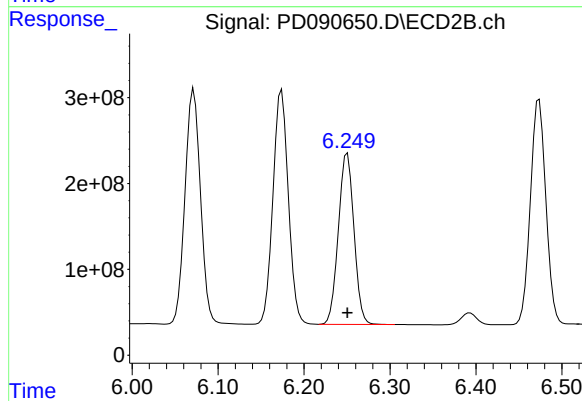
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3388802413
Conc: 98.57 ng/ml



#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 350587578
Conc: 99.07 ng/ml



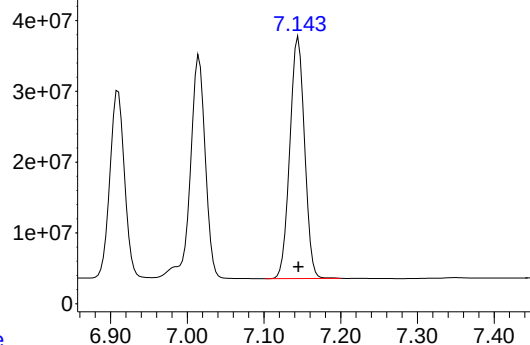
#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 2511089389
Conc: 96.57 ng/ml

Response_

Signal: PD090650.D\ECD1A.ch

#19 Endosulfan Sulfate



R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 455705527
Conc: 100.01 ng/ml

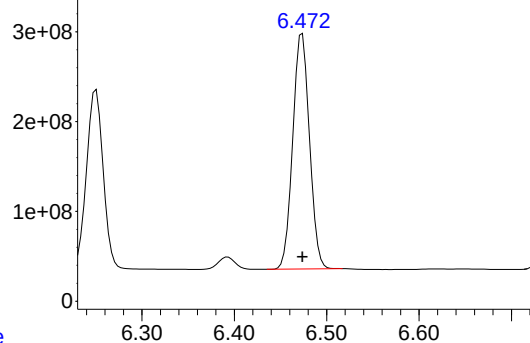
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#19 Endosulfan Sulfate



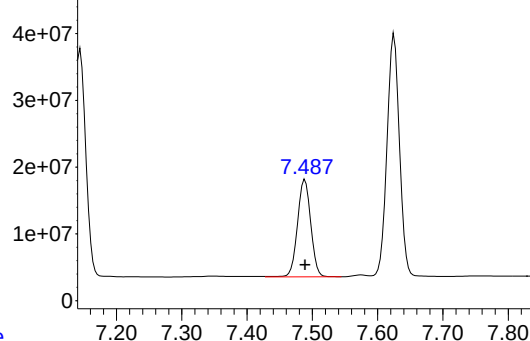
R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 3296343899
Conc: 97.06 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#20 Methoxychlor



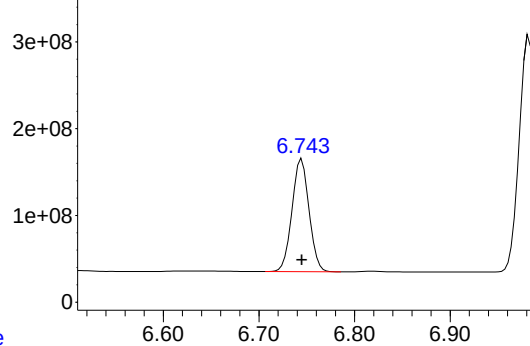
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 205006247
Conc: 99.31 ng/ml

Time

Response_

Signal: PD090650.D\ECD2B.ch

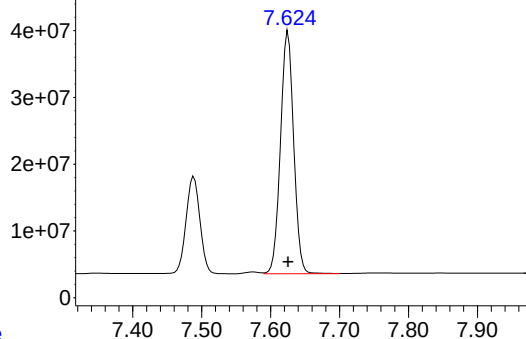
#20 Methoxychlor



R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1611694442
Conc: 96.75 ng/ml

Time

Response_ Signal: PD090650.D\ECD1A.ch

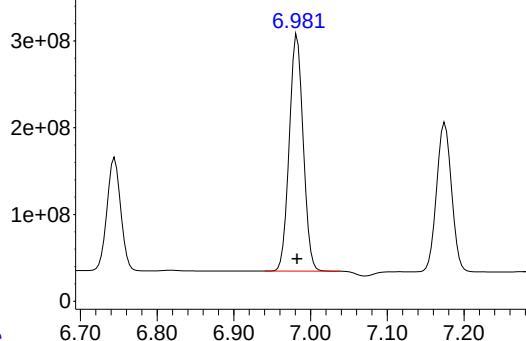


#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 481977282
Conc: 100.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

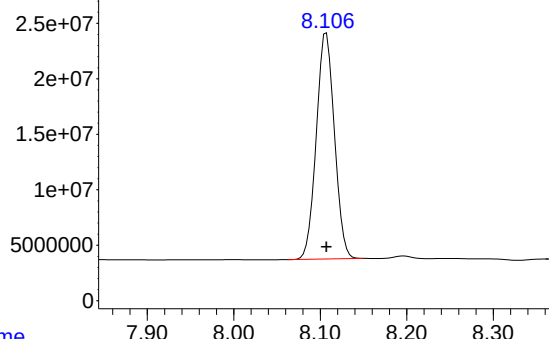
Time Response_ Signal: PD090650.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 3446004756
Conc: 97.06 ng/ml

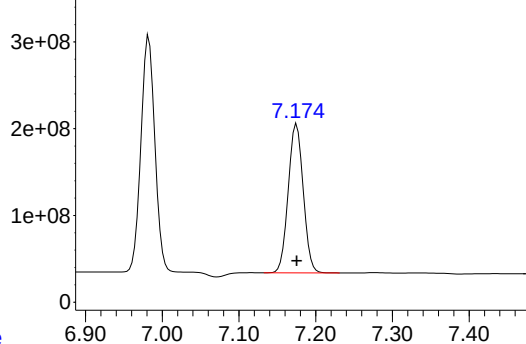
Time Response_ Signal: PD090650.D\ECD1A.ch



#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 295471777
Conc: 97.72 ng/ml

Time Response_ Signal: PD090650.D\ECD2B.ch



#22 Mirex

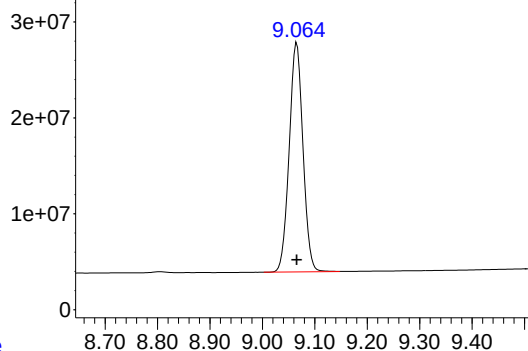
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 2331618859
Conc: 97.24 ng/ml

Response_

Signal: PD090650.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 436118427
Conc: 98.36 ng/ml

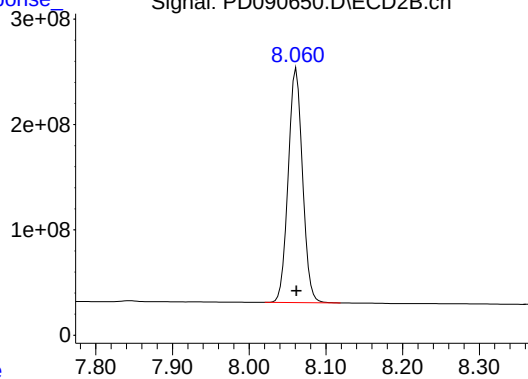
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090650.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 2885681422
Conc: 99.22 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090651.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:48
 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: Oct 17 13:35:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 13:29:41 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...	3.545	2.875	221.3E6	2076.7E6	73.844	73.982
28)	SA Decachlor...	9.065	8.062	323.6E6	2118.5E6	73.652	73.550
Target Compounds							
2)	A alpha-BHC	3.994	3.387	555.2E6	3629.4E6	74.331	73.972
3)	MA gamma-BHC...	4.325	3.723	517.9E6	3345.4E6	74.376	74.044
4)	MA Heptachlor	4.923	4.076	419.8E6	3135.8E6	74.519	74.471
5)	MB Aldrin	5.265	4.361	492.2E6	3268.1E6	74.671	74.449
6)	B beta-BHC	4.512	4.019	186.7E6	1377.4E6	74.235	74.130
7)	B delta-BHC	4.760	4.255	517.9E6	3391.5E6	74.535	74.261
8)	B Heptachlo...	5.685	4.865	428.1E6	2916.9E6	74.574	74.304
9)	A Endosulfan I	6.068	5.239	405.3E6	2744.0E6	74.575	74.497
10)	B gamma-Chl...	5.940	5.117	442.1E6	3181.7E6	74.831	74.517
11)	B alpha-Chl...	6.021	5.182	442.9E6	3041.3E6	74.605	74.512
12)	B 4,4'-DDE	6.191	5.366	402.8E6	3089.3E6	74.945	74.597
13)	MA Dieldrin	6.341	5.504	438.1E6	3106.9E6	74.726	74.493
14)	MA Endrin	6.568	5.781	372.2E6	2837.1E6	74.757	74.574
15)	B Endosulfa...	6.781	6.072	362.7E6	2622.6E6	74.556	74.457
16)	A 4,4'-DDD	6.700	5.921	305.6E6	2573.2E6	74.659	74.529
17)	MA 4,4'-DDT	7.016	6.175	311.4E6	2548.7E6	74.584	74.422
18)	B Endrin al...	6.910	6.251	263.1E6	1930.5E6	74.563	74.493
19)	B Endosulfa...	7.145	6.474	337.9E6	2515.4E6	74.430	74.374
20)	A Methoxychlor	7.488	6.745	151.2E6	1223.7E6	73.804	73.968
21)	B Endrin ke...	7.625	6.983	355.2E6	2626.5E6	74.325	74.314
22)	Mirex	8.108	7.176	222.5E6	1780.4E6	74.051	74.497

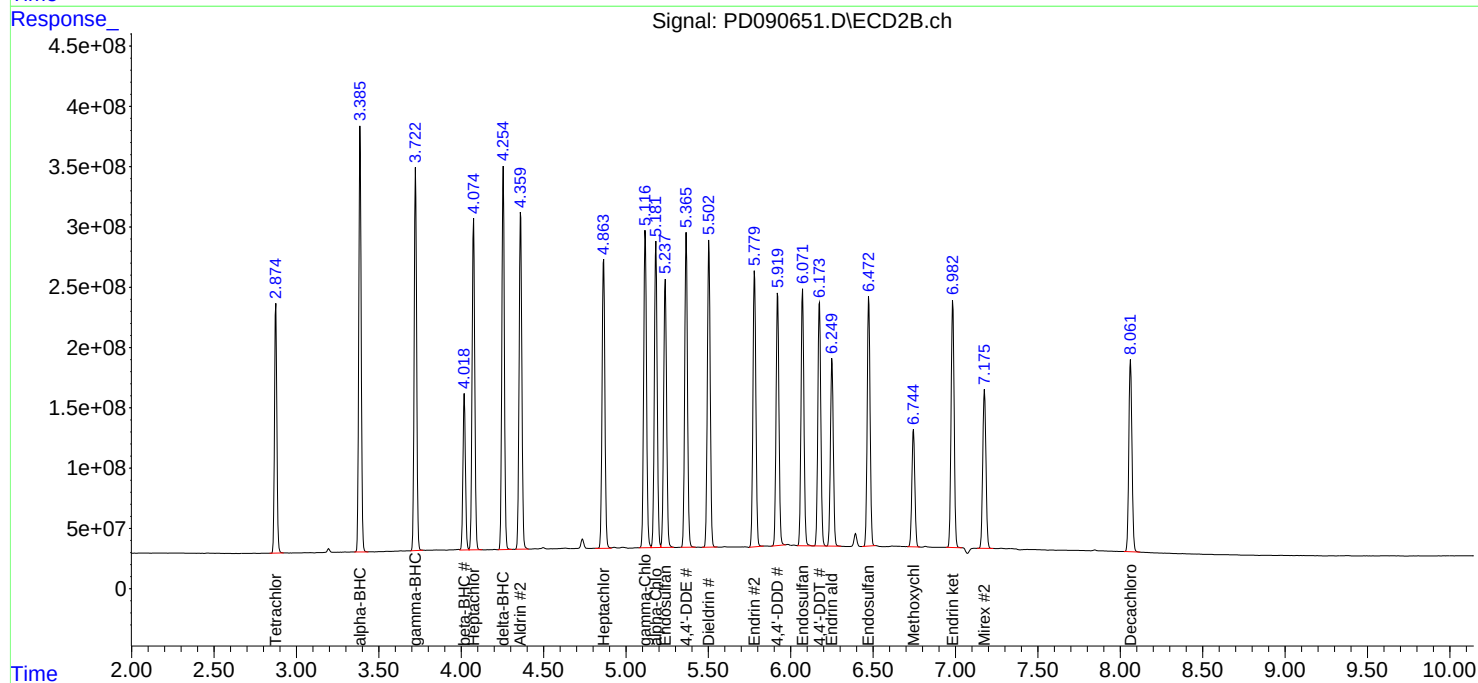
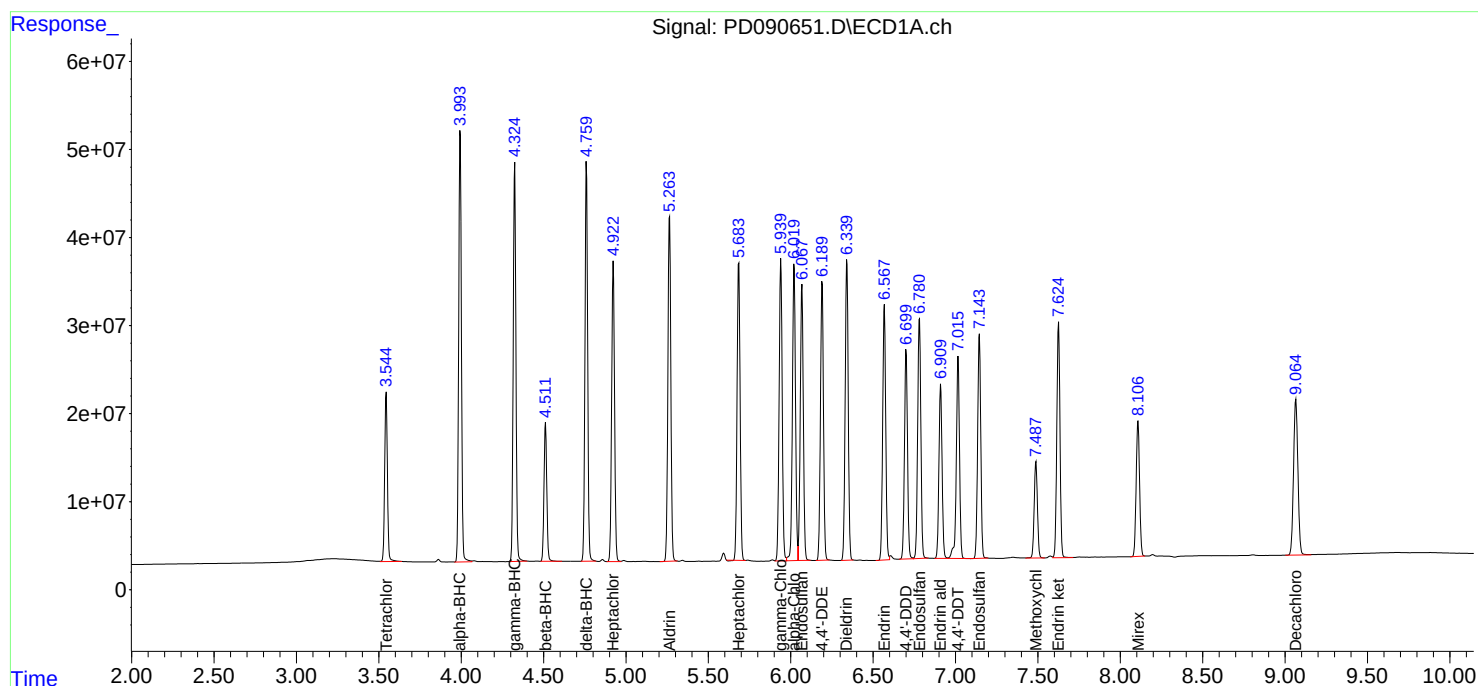
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

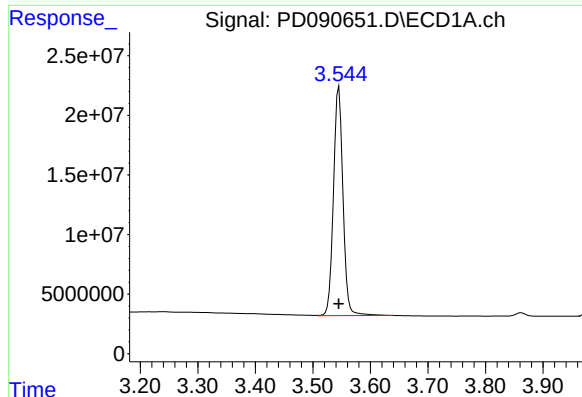
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:35:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 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

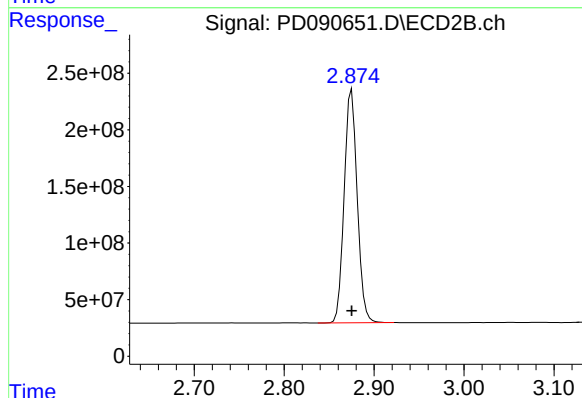




#1 Tetrachloro-m-xylene

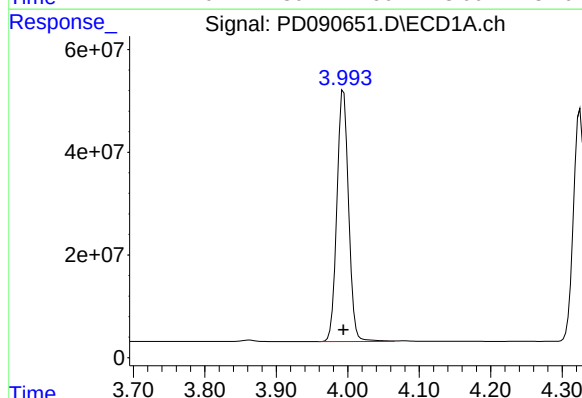
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 221338475
Conc: 73.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



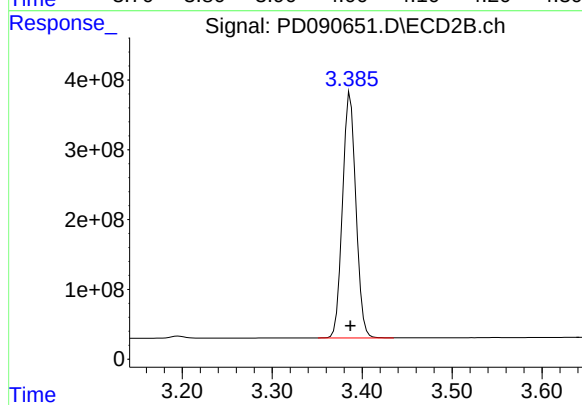
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 2076681010
Conc: 73.98 ng/ml



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 555178575
Conc: 74.33 ng/ml



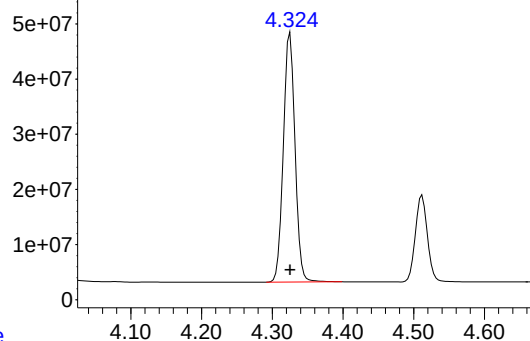
#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 3629403435
Conc: 73.97 ng/ml

Response_

Signal: PD090651.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 517939637
Conc: 74.38 ng/ml

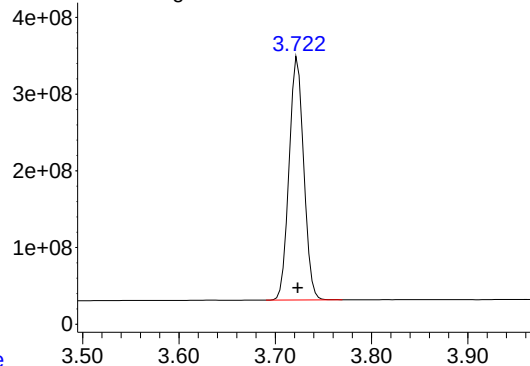
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#3 gamma-BHC (Lindane)



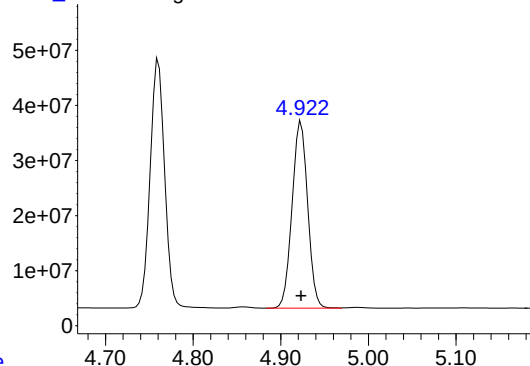
R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 3345366469
Conc: 74.04 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#4 Heptachlor



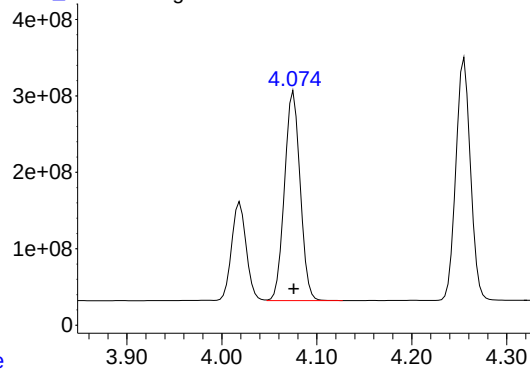
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 419813050
Conc: 74.52 ng/ml

Time

Response_

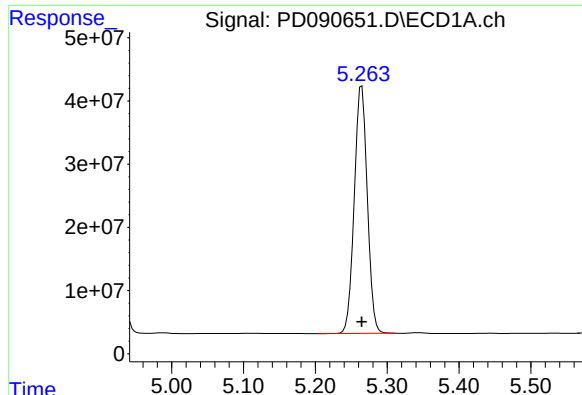
Signal: PD090651.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 3135796942
Conc: 74.47 ng/ml

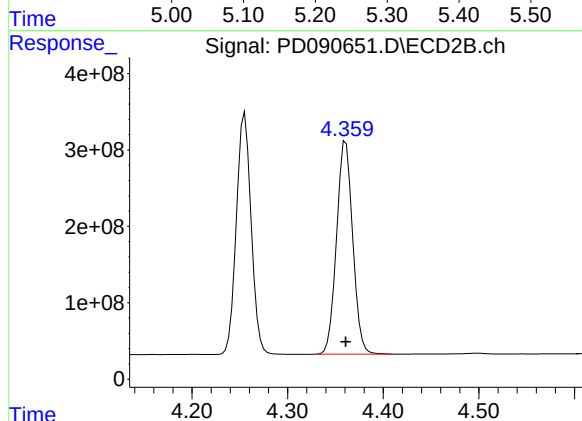
Time



#5 Aldrin

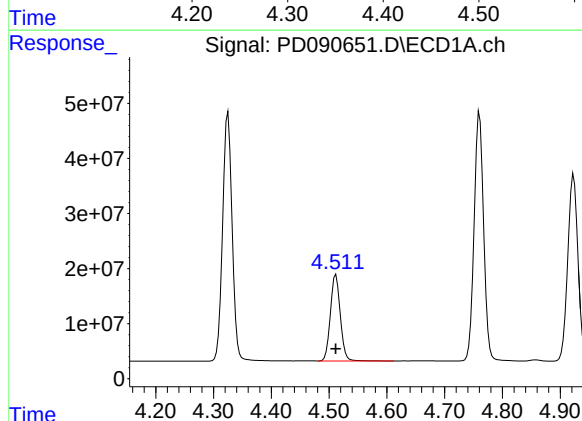
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 492167044
Conc: 74.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



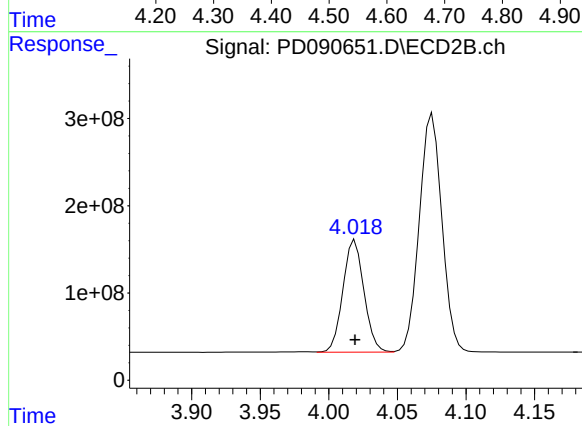
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 3268108002
Conc: 74.45 ng/ml



#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 186698186
Conc: 74.24 ng/ml



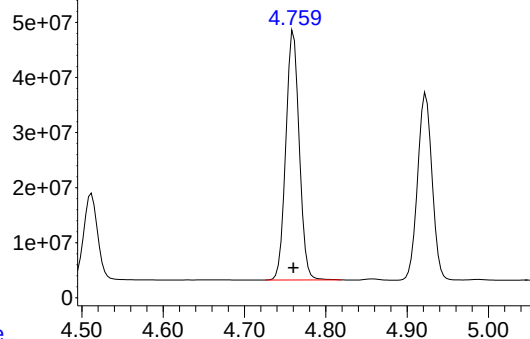
#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 1377409505
Conc: 74.13 ng/ml

Response_

Signal: PD090651.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 517928984
Conc: 74.53 ng/ml

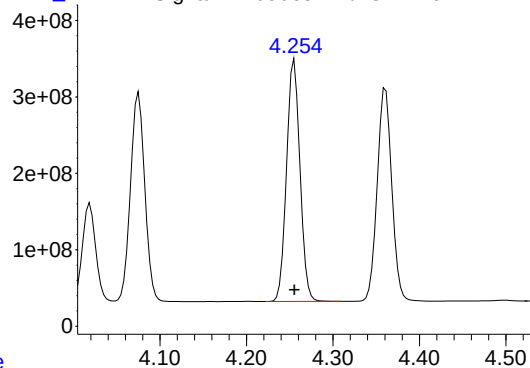
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#7 delta-BHC



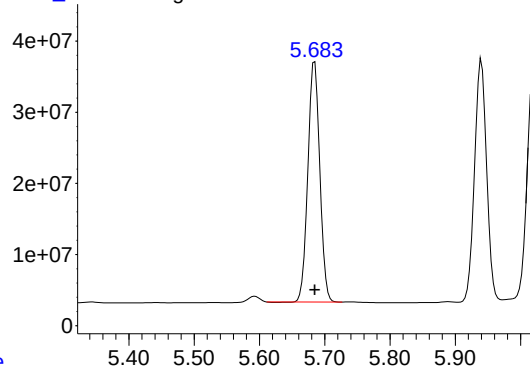
R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3391516826
Conc: 74.26 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#8 Heptachlor epoxide



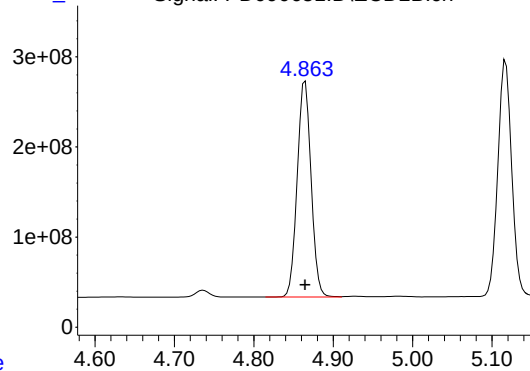
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 428112423
Conc: 74.57 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

#8 Heptachlor epoxide



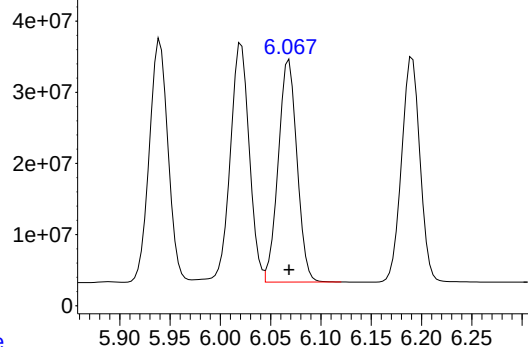
R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 2916863262
Conc: 74.30 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 405336624
Conc: 74.58 ng/ml

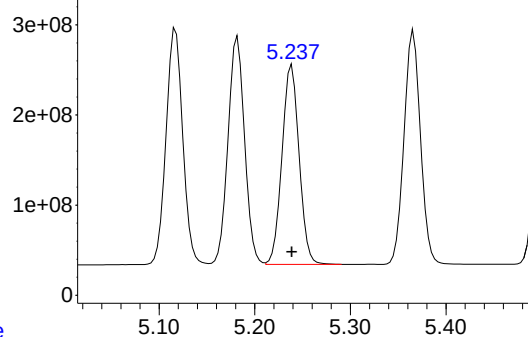
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#9 Endosulfan I



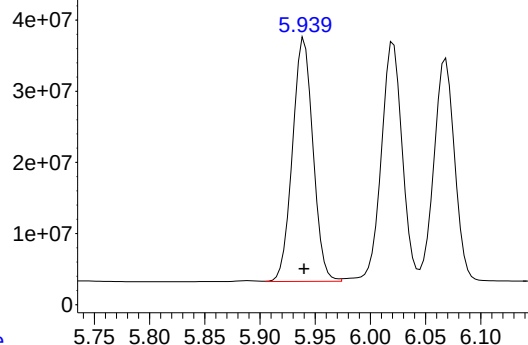
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 2743979164
Conc: 74.50 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#10 gamma-Chlordane



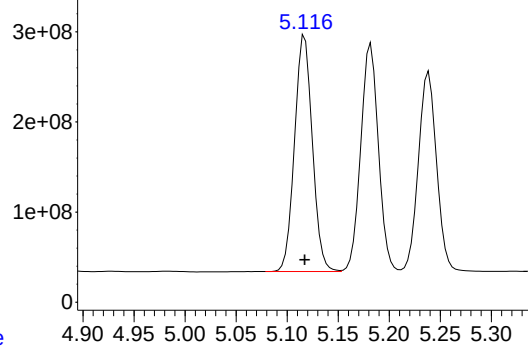
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 442053358
Conc: 74.83 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 3181670591
Conc: 74.52 ng/ml

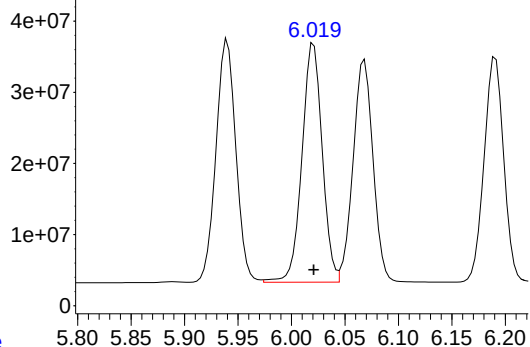
Time

Response_

Signal: PD090651.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 442910146
Conc: 74.61 ng/ml

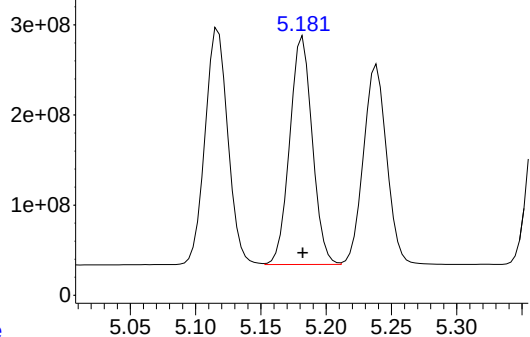
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#11 alpha-Chlordane



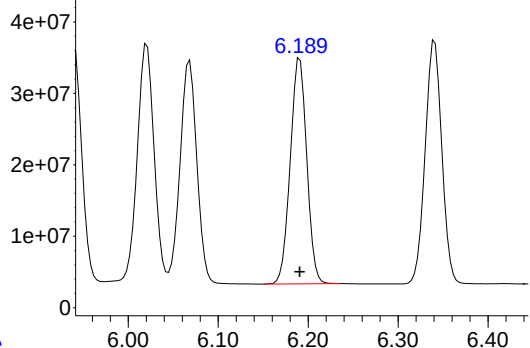
R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 3041262707
Conc: 74.51 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#12 4,4'-DDE



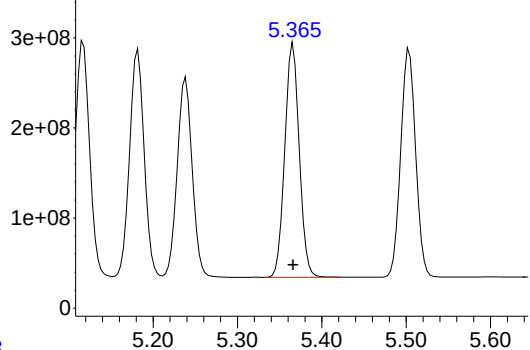
R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 402806011
Conc: 74.95 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

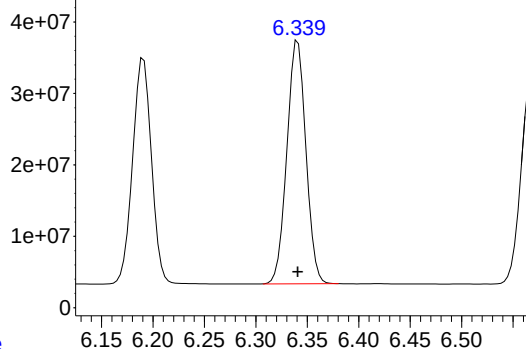
#12 4,4'-DDE



R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 3089327488
Conc: 74.60 ng/ml

Time

Response_ Signal: PD090651.D\ECD1A.ch

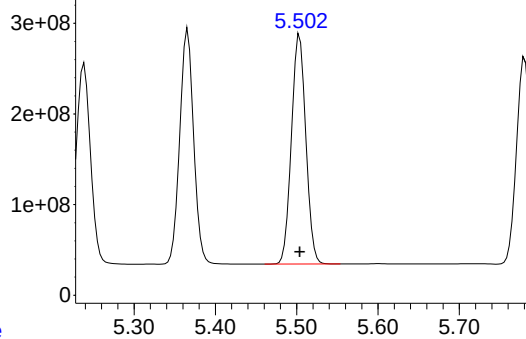


#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 438145830
Conc: 74.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

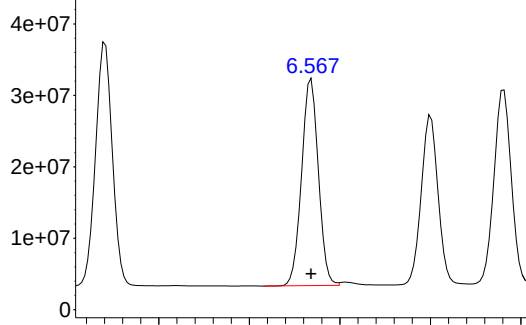
Response_ Signal: PD090651.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 3106916142
Conc: 74.49 ng/ml

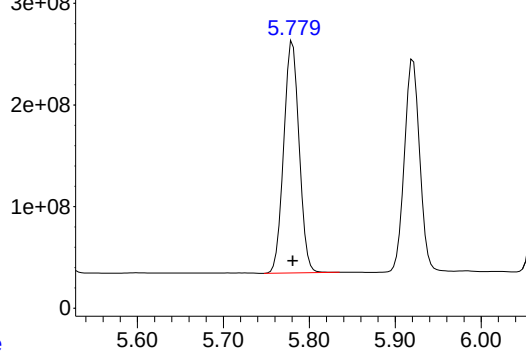
Response_ Signal: PD090651.D\ECD1A.ch



#14 Endrin

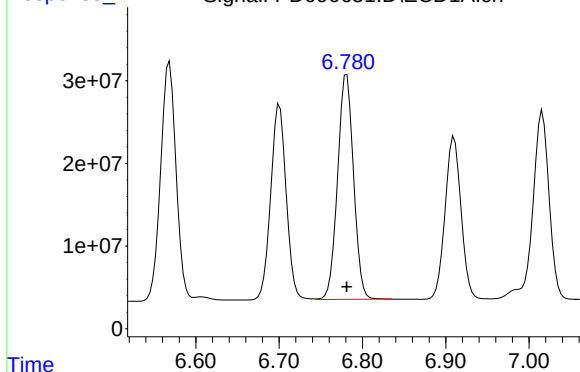
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 372217983
Conc: 74.76 ng/ml

Response_ Signal: PD090651.D\ECD2B.ch



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 2837058459
Conc: 74.57 ng/ml



R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 362696180
Conc: 74.56 ng/ml

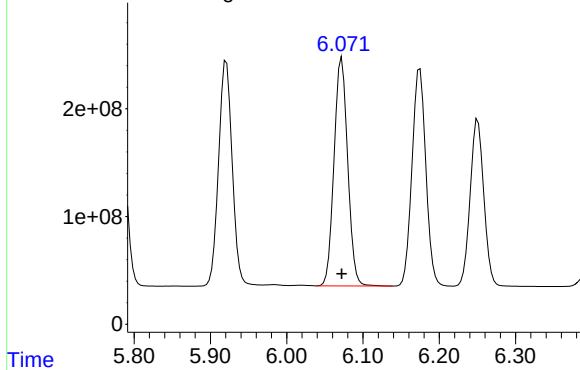
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#15 Endosulfan II



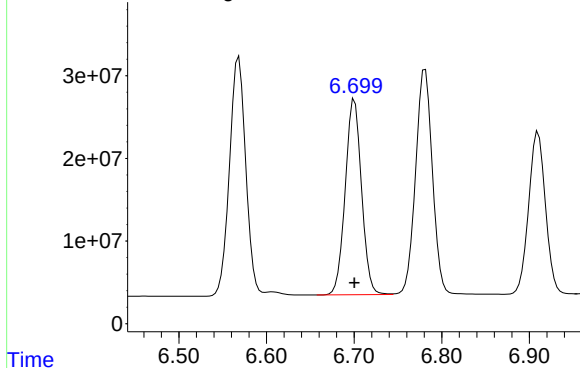
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 2622605787
Conc: 74.46 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#16 4,4'-DDD



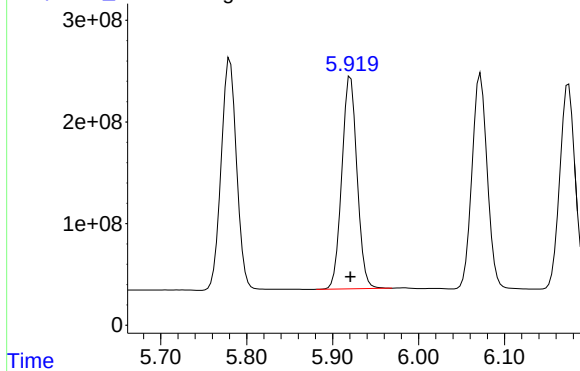
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 305645357
Conc: 74.66 ng/ml

Time

Response_

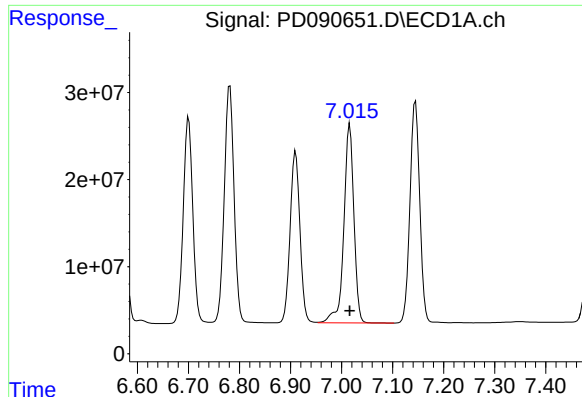
Signal: PD090651.D\ECD2B.ch

#16 4,4'-DDD



R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 2573202277
Conc: 74.53 ng/ml

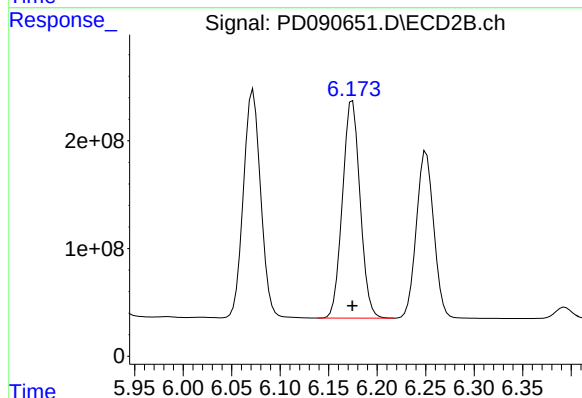
Time



#17 4,4'-DDT

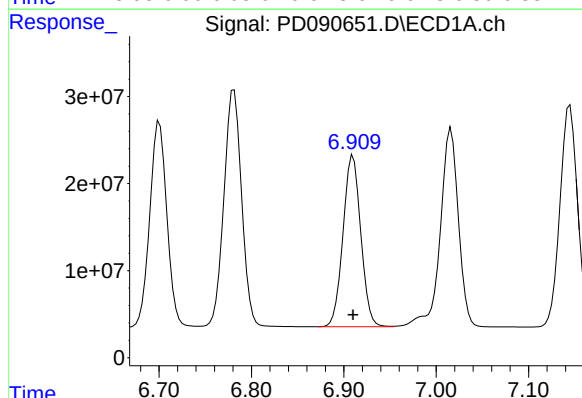
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 311444736
Conc: 74.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



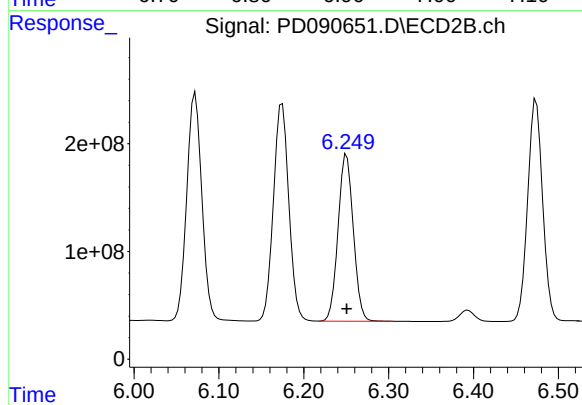
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 2548691729
Conc: 74.42 ng/ml



#18 Endrin aldehyde

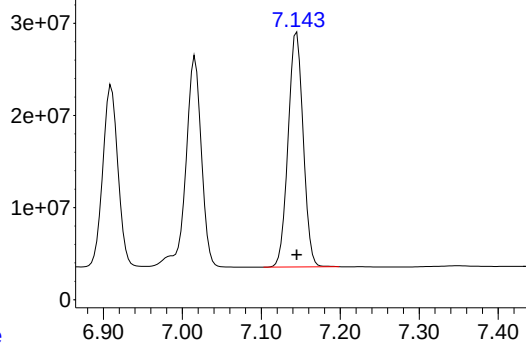
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 263096696
Conc: 74.56 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1930452420
Conc: 74.49 ng/ml

Response_ Signal: PD090651.D\ECD1A.ch

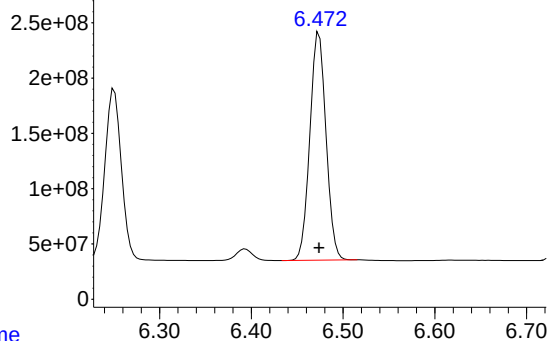


#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 337864118
Conc: 74.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

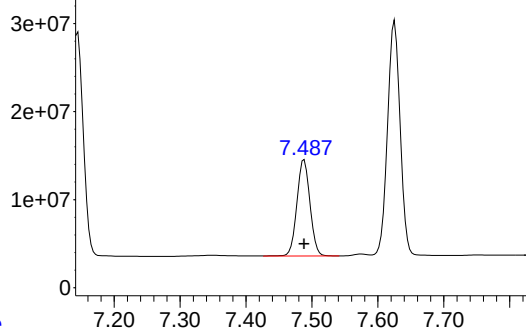
Time Response_ Signal: PD090651.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 2515420876
Conc: 74.37 ng/ml

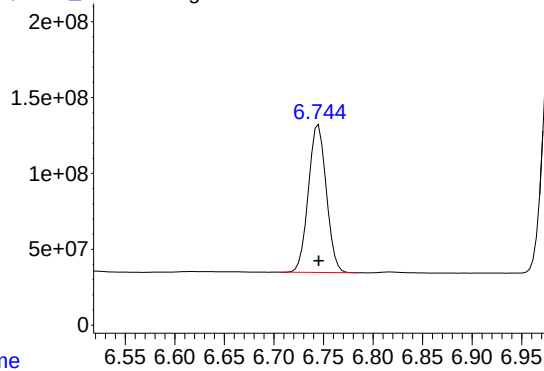
Time Response_ Signal: PD090651.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 151150843
Conc: 73.80 ng/ml

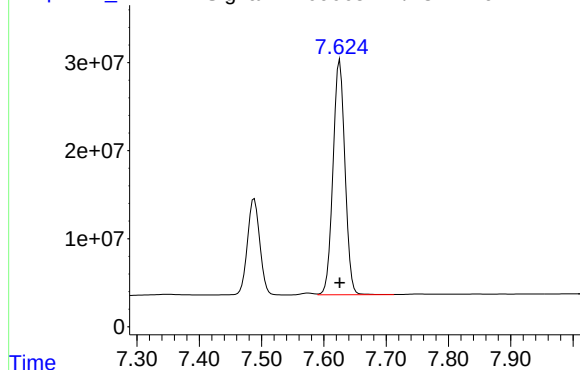
Time Response_ Signal: PD090651.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1223732210
Conc: 73.97 ng/ml

Response_ Signal: PD090651.D\ECD1A.ch

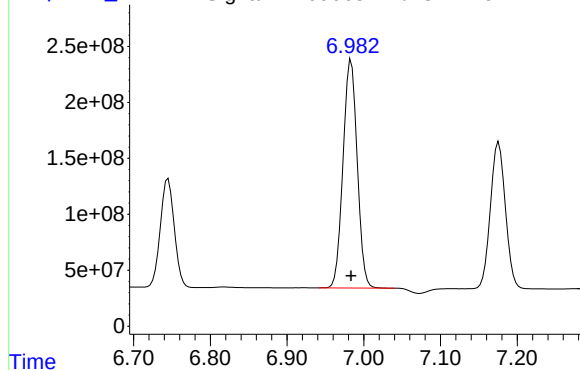


#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 355238454
Conc: 74.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

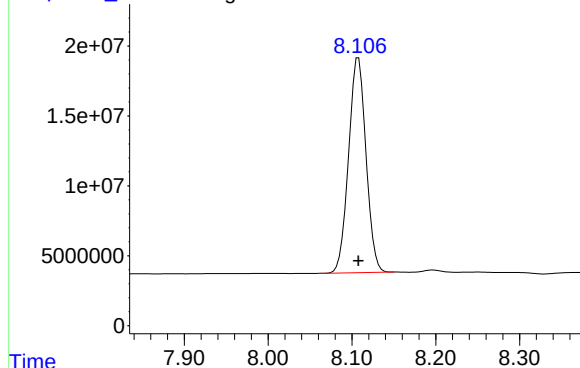
Response_ Signal: PD090651.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 2626540426
Conc: 74.31 ng/ml

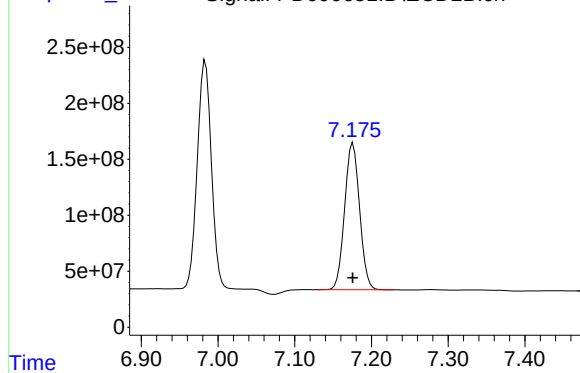
Response_ Signal: PD090651.D\ECD1A.ch



#22 Mirex

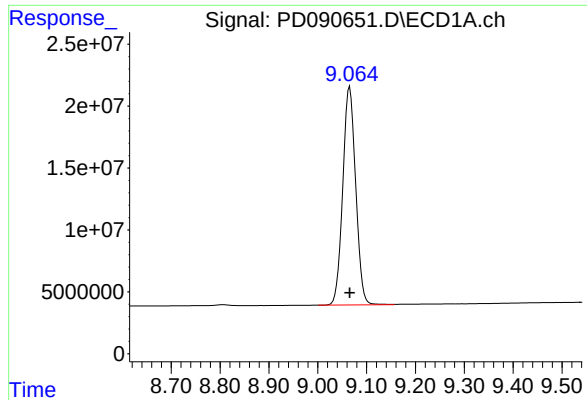
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 222493333
Conc: 74.05 ng/ml

Response_ Signal: PD090651.D\ECD2B.ch



#22 Mirex

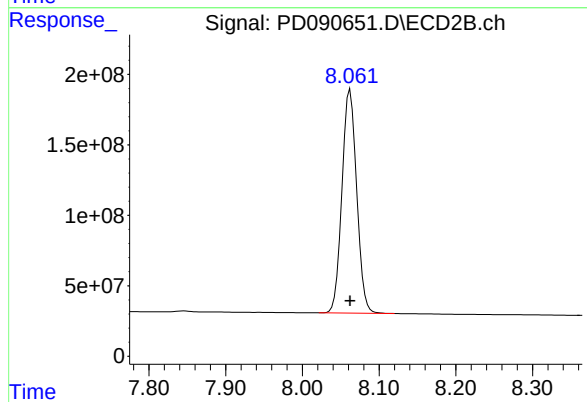
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1780357534
Conc: 74.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 323645321
Conc: 73.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 2118537336
Conc: 73.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090652.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 12:01
 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: Oct 17 13:30:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 13:29:41 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...	3.545	2.875	151.5E6	1430.9E6	50.000	50.000
28)	SA Decachlor...	9.064	8.062	225.3E6	1465.4E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.994	3.387	362.6E6	2484.2E6	50.000	50.000
3)	MA gamma-BHC...	4.325	3.723	340.0E6	2298.6E6	50.000	50.000
4)	MA Heptachlor	4.923	4.075	277.3E6	2162.0E6	50.000	50.000
5)	MB Aldrin	5.264	4.361	325.8E6	2251.7E6	50.000	50.000
6)	B beta-BHC	4.512	4.019	127.0E6	954.0E6	50.000	50.000
7)	B delta-BHC	4.760	4.255	338.6E6	2323.3E6	50.000	50.000
8)	B Heptachlo...	5.684	4.864	285.9E6	2033.6E6	50.000	50.000
9)	A Endosulfan I	6.068	5.238	272.5E6	1909.3E6	50.000	50.000
10)	B gamma-Chl...	5.940	5.117	292.8E6	2187.4E6	50.000	50.000
11)	B alpha-Chl...	6.021	5.181	296.9E6	2094.7E6	50.000	50.000
12)	B 4,4'-DDE	6.190	5.366	265.9E6	2127.4E6	50.000	50.000
13)	MA Dieldrin	6.340	5.504	290.9E6	2154.8E6	50.000	50.000
14)	MA Endrin	6.568	5.781	246.9E6	1970.0E6	50.000	50.000
15)	B Endosulfa...	6.781	6.072	244.3E6	1821.6E6	50.000	50.000
16)	A 4,4'-DDD	6.700	5.921	202.8E6	1778.0E6	50.000	50.000
17)	MA 4,4'-DDT	7.015	6.174	205.9E6	1743.4E6	50.000	50.000
18)	B Endrin al...	6.910	6.250	178.6E6	1344.7E6	50.000	50.000
19)	B Endosulfa...	7.145	6.474	227.8E6	1748.0E6	50.000	50.000
20)	A Methoxychlor	7.488	6.745	103.9E6	859.9E6	50.000	50.000
21)	B Endrin ke...	7.625	6.983	239.1E6	1827.5E6	50.000	50.000
22)	Mirex	8.107	7.175	154.6E6	1232.0E6	50.000	50.000

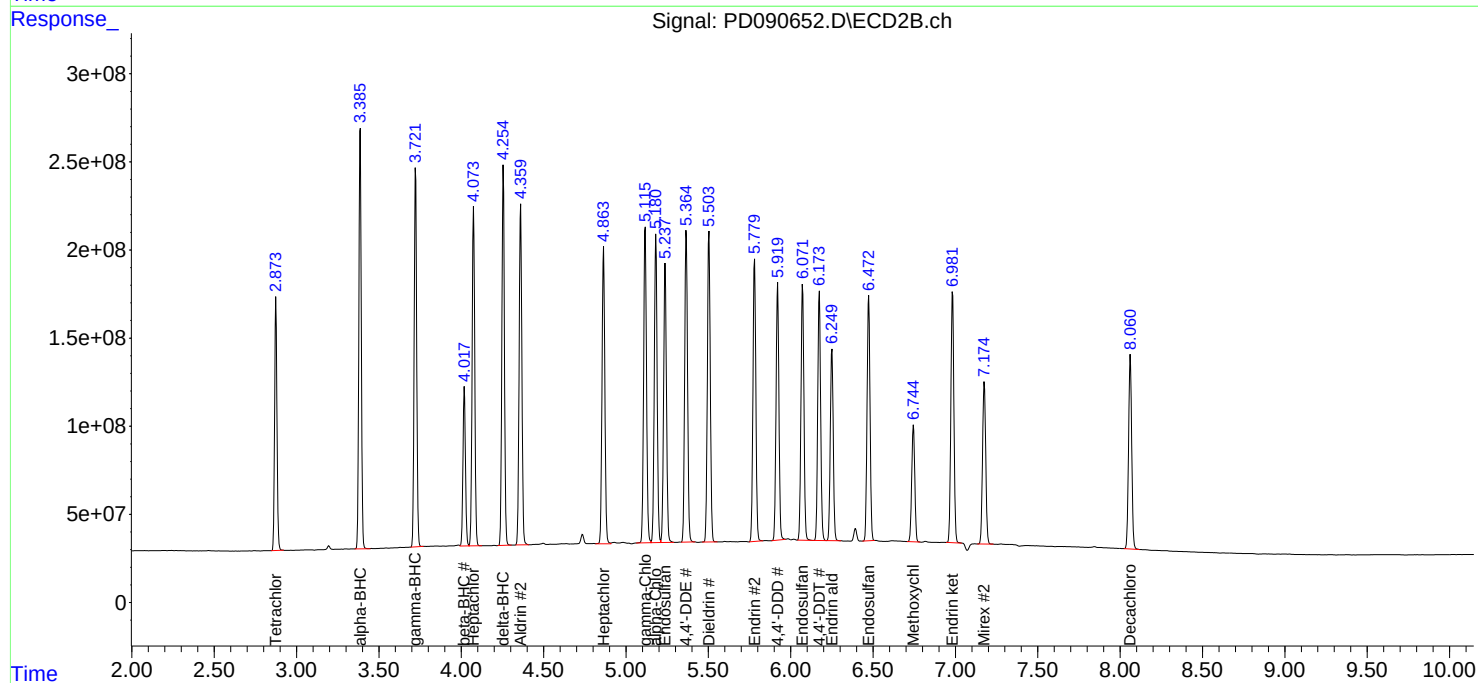
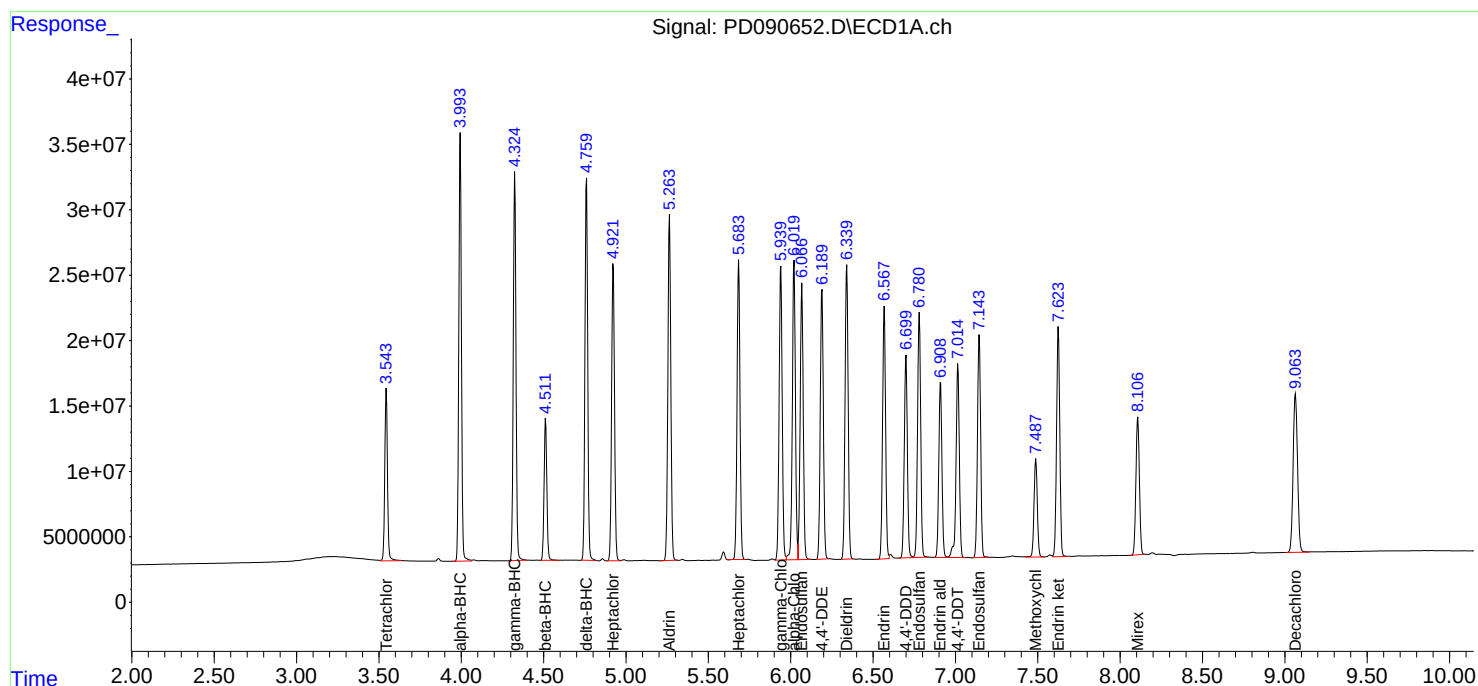
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

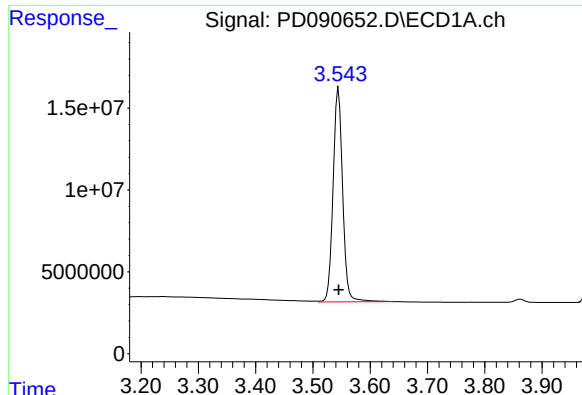
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:01
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:30:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 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

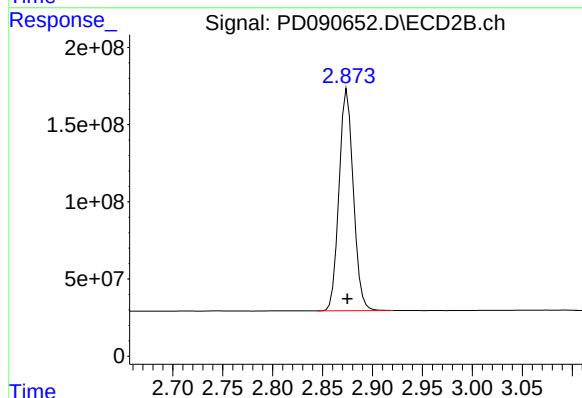




#1 Tetrachloro-m-xylene

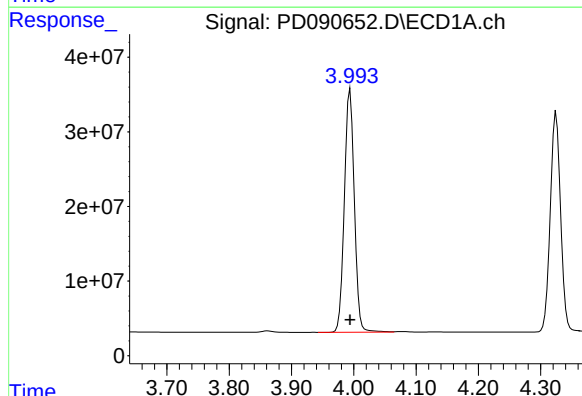
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 151504775
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



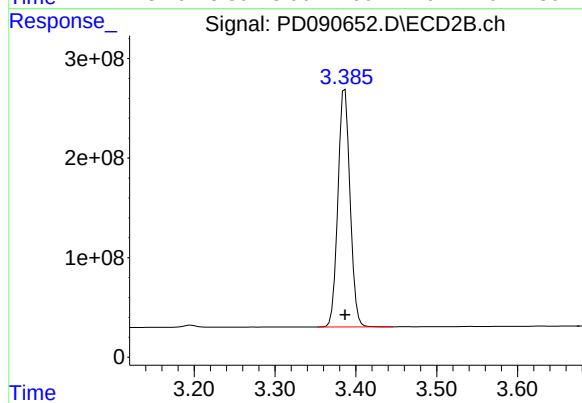
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1430869153
Conc: 50.00 ng/ml



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 362610738
Conc: 50.00 ng/ml



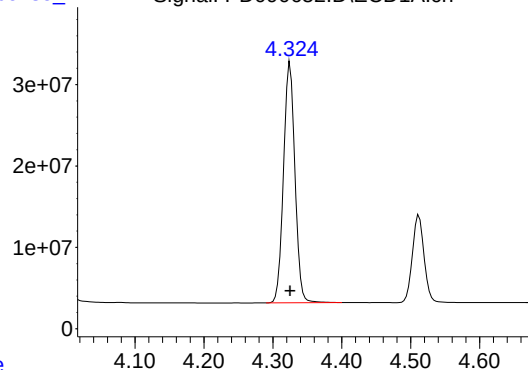
#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2484185326
Conc: 50.00 ng/ml

Response_

Signal: PD090652.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 339982682
Conc: 50.00 ng/ml

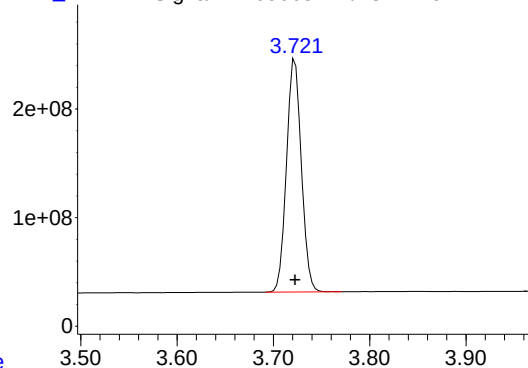
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#3 gamma-BHC (Lindane)



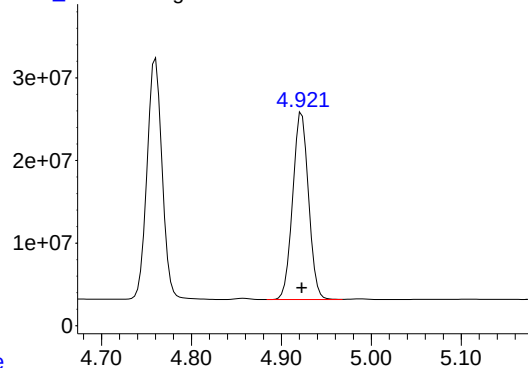
R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2298638612
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD1A.ch

#4 Heptachlor



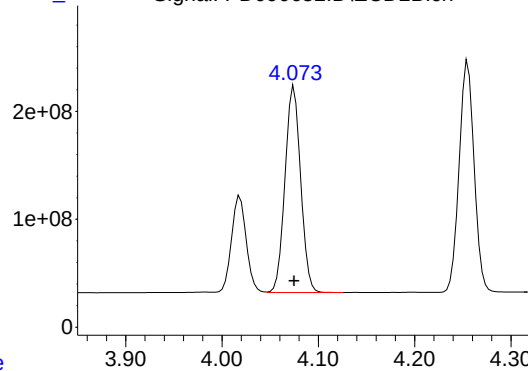
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 277277005
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD2B.ch

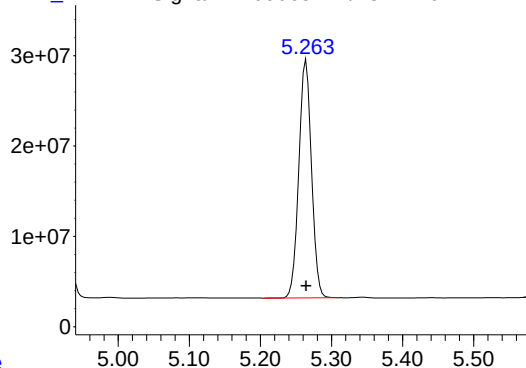
#4 Heptachlor



R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2161964168
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090652.D\ECD1A.ch

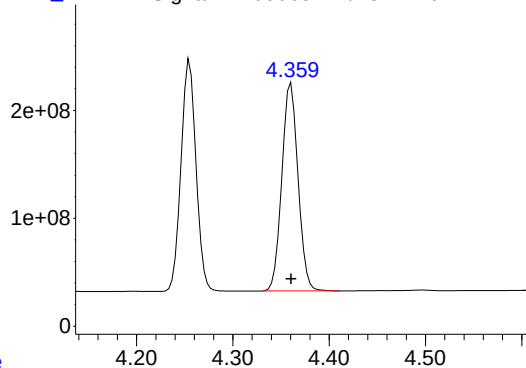


#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 325847234
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

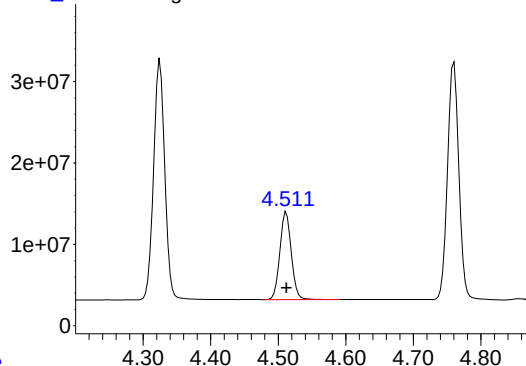
Time Response_ Signal: PD090652.D\ECD2B.ch



#5 Aldrin

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 2251688760
Conc: 50.00 ng/ml

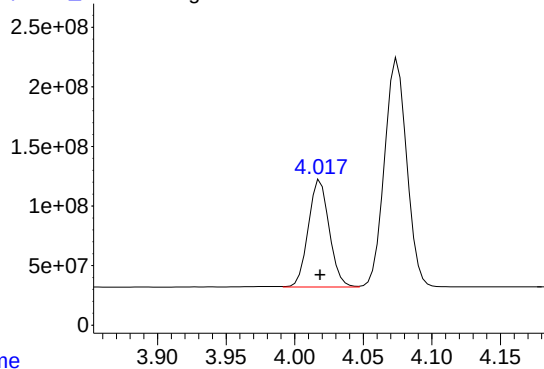
Time Response_ Signal: PD090652.D\ECD1A.ch



#6 beta-BHC

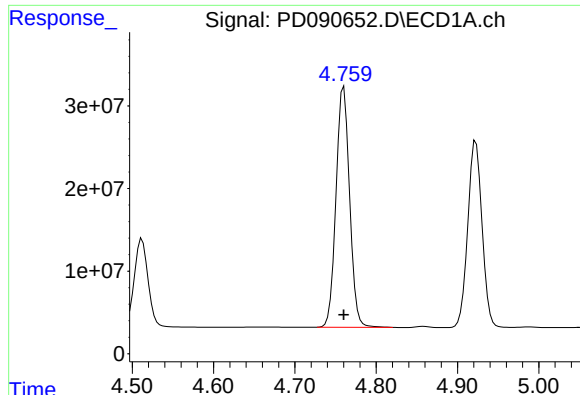
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 127018373
Conc: 50.00 ng/ml

Time Response_ Signal: PD090652.D\ECD2B.ch



#6 beta-BHC

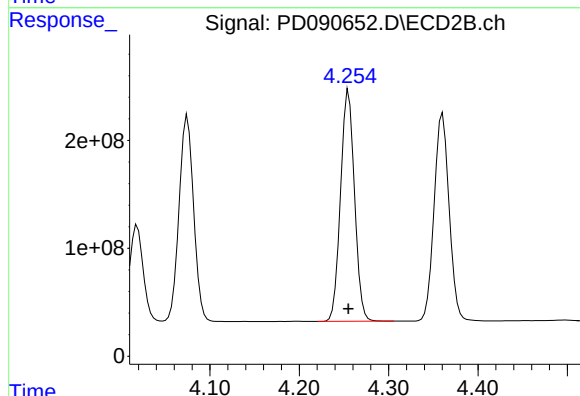
R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 954037739
Conc: 50.00 ng/ml



#7 delta-BHC

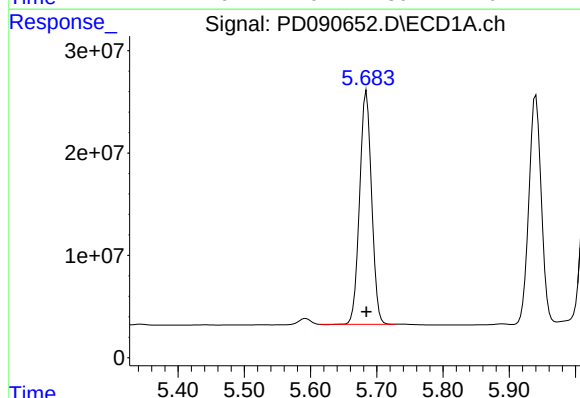
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 338575319
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



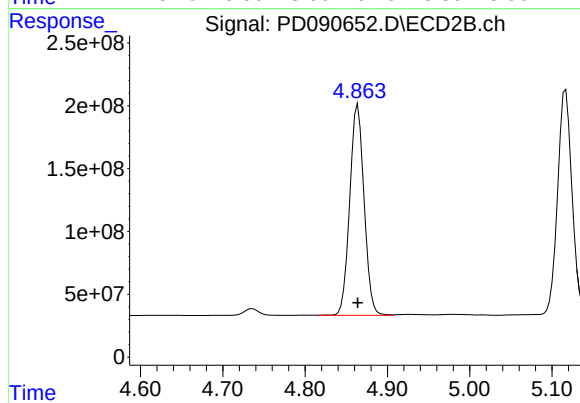
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2323317526
Conc: 50.00 ng/ml



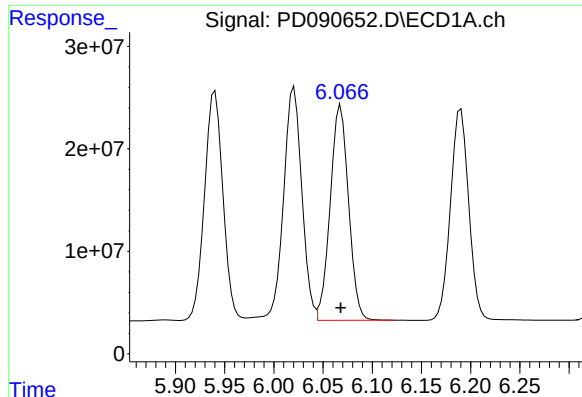
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 285933842
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

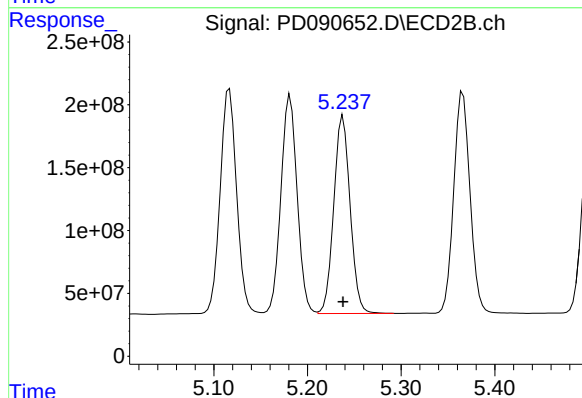
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2033647315
Conc: 50.00 ng/ml



#9 Endosulfan I

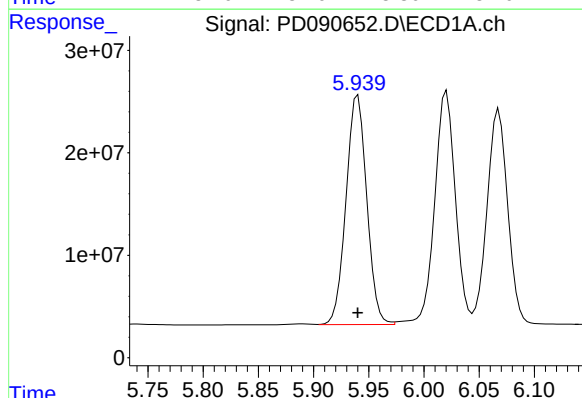
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 272452330
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



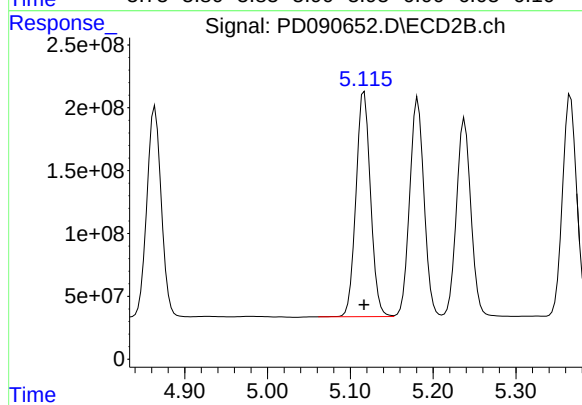
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1909283878
Conc: 50.00 ng/ml



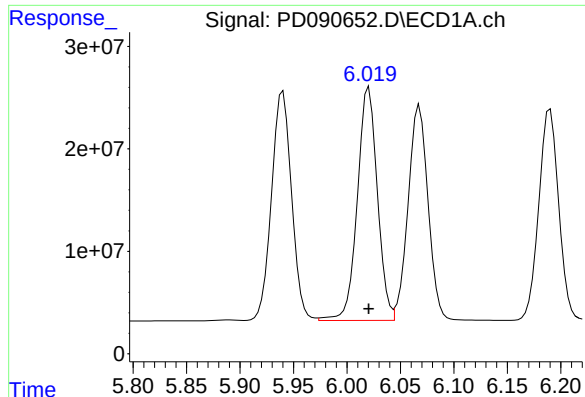
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 292781895
Conc: 50.00 ng/ml



#10 gamma-Chlordane

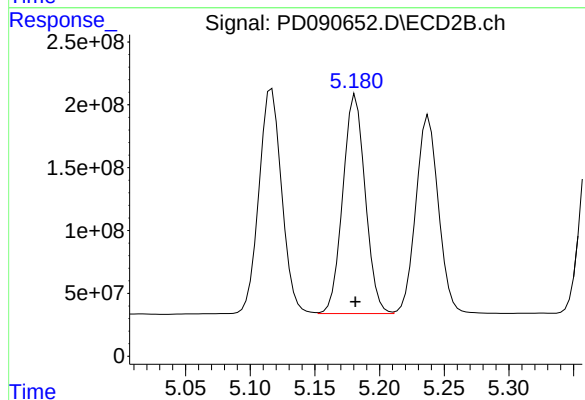
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2187405429
Conc: 50.00 ng/ml



#11 alpha-Chlordane

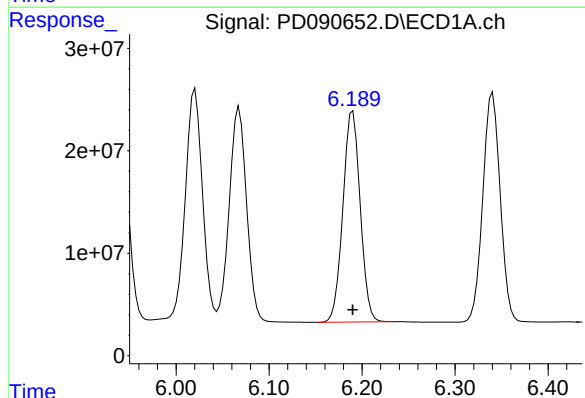
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 296932529
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



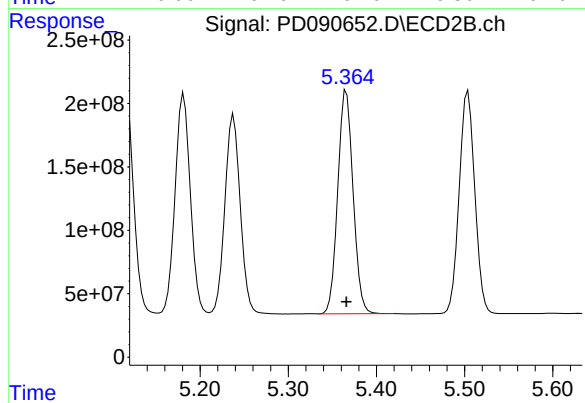
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2094650466
Conc: 50.00 ng/ml



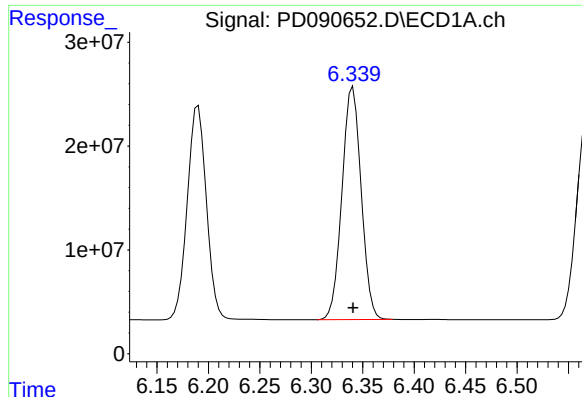
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 265880490
Conc: 50.00 ng/ml



#12 4,4'-DDE

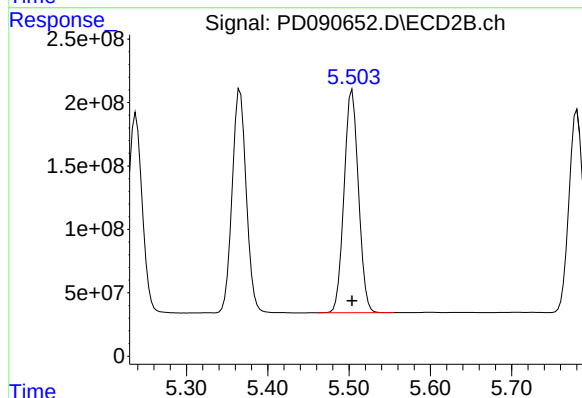
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2127431088
Conc: 50.00 ng/ml



#13 Dieldrin

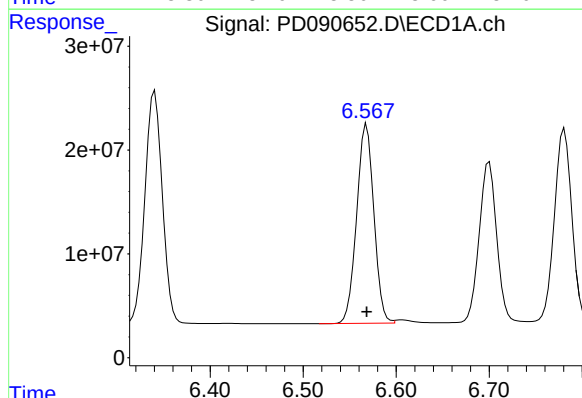
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 290909064
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



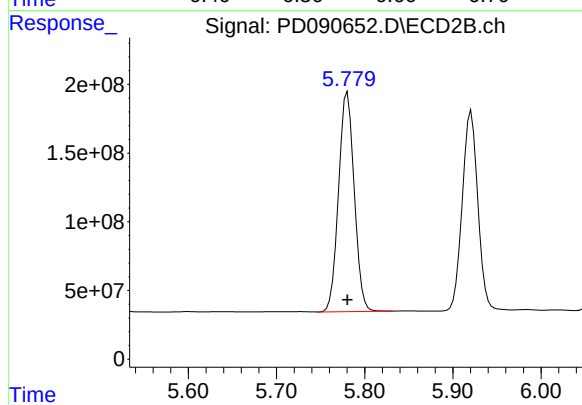
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2154808119
Conc: 50.00 ng/ml



#14 Endrin

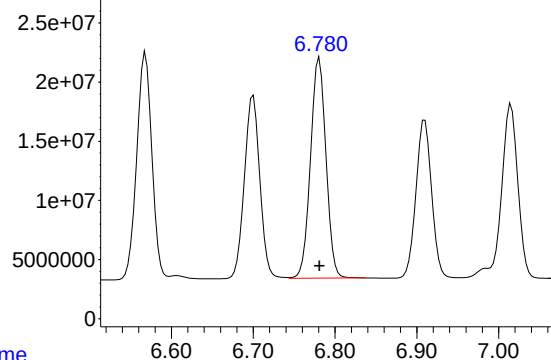
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 246912451
Conc: 50.00 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1970044096
Conc: 50.00 ng/ml

Response_ Signal: PD090652.D\ECD1A.ch

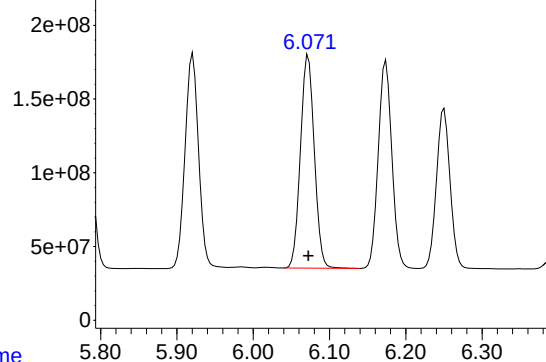


#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 244253888
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

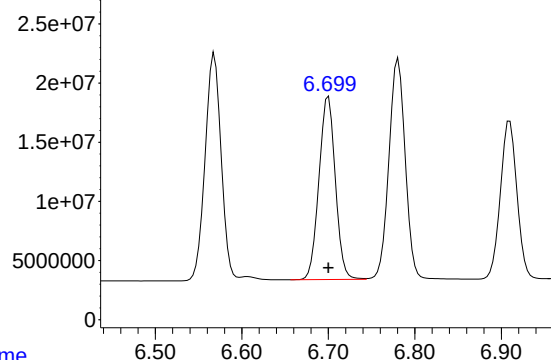
Time Response_ Signal: PD090652.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1821608734
Conc: 50.00 ng/ml

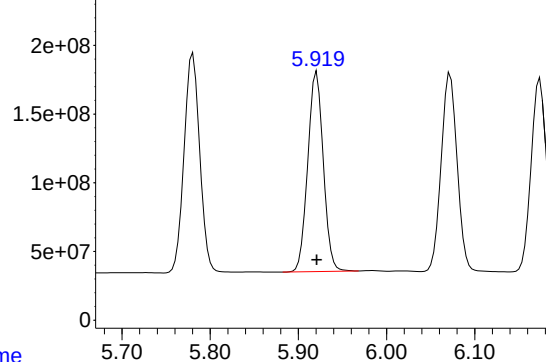
Time Response_ Signal: PD090652.D\ECD1A.ch



#16 4,4'-DDD

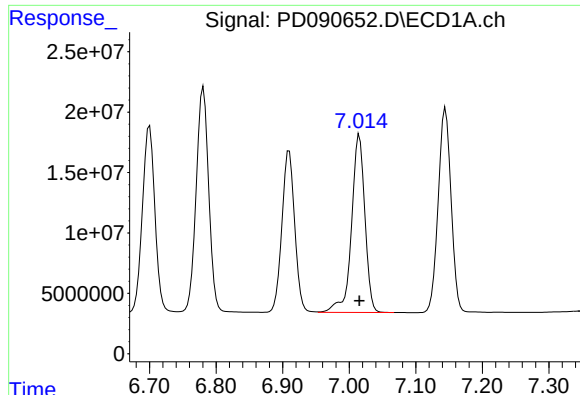
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 202773551
Conc: 50.00 ng/ml

Time Response_ Signal: PD090652.D\ECD2B.ch



#16 4,4'-DDD

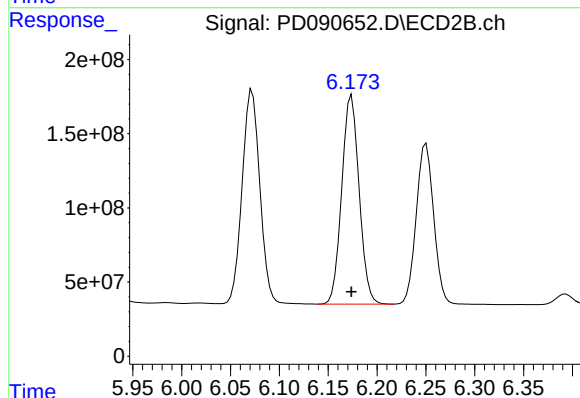
R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1778046885
Conc: 50.00 ng/ml



#17 4,4'-DDT

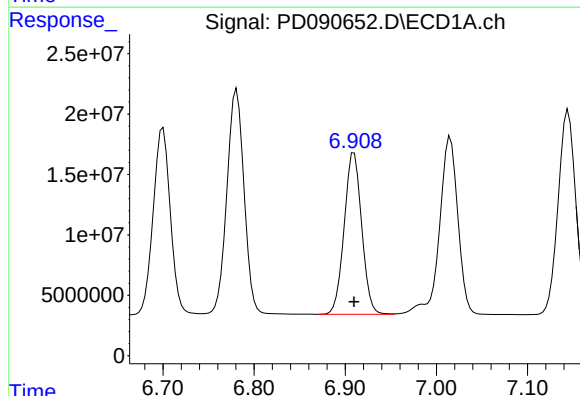
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 205896645
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



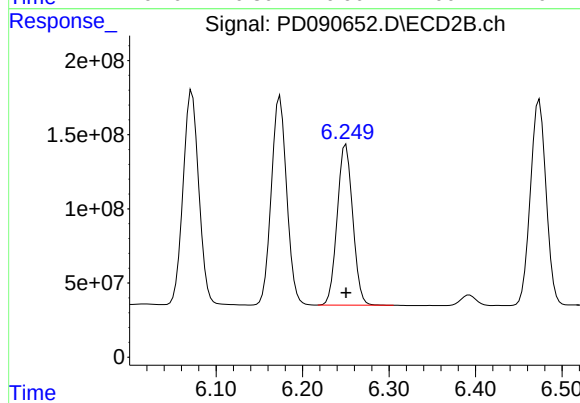
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1743410018
Conc: 50.00 ng/ml



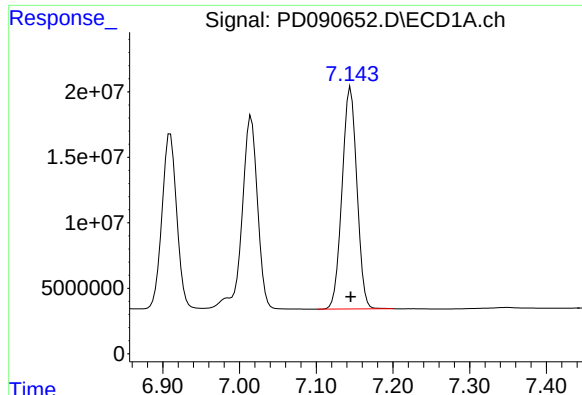
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 178583940
Conc: 50.00 ng/ml



#18 Endrin aldehyde

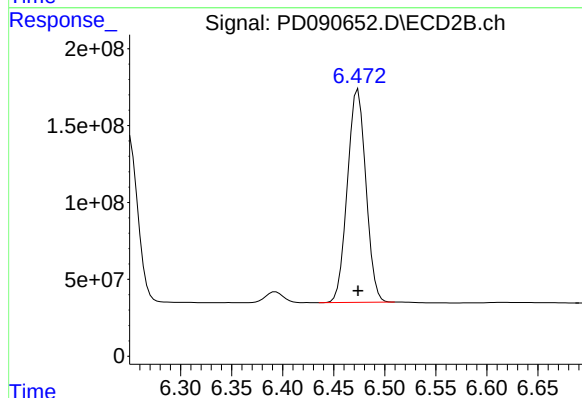
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1344655981
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

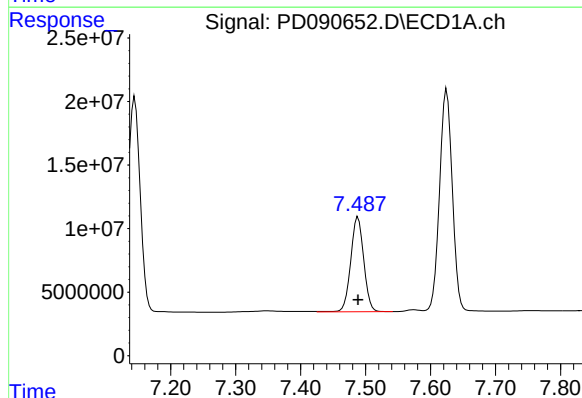
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 227808376
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



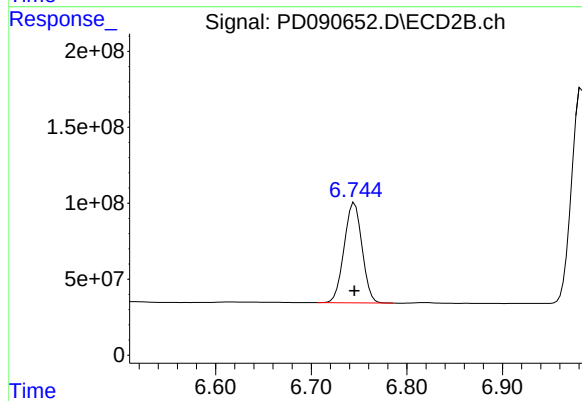
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1748039260
Conc: 50.00 ng/ml



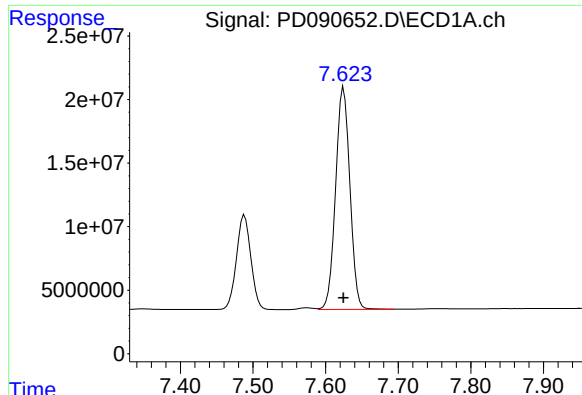
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 103932037
Conc: 50.00 ng/ml



#20 Methoxychlor

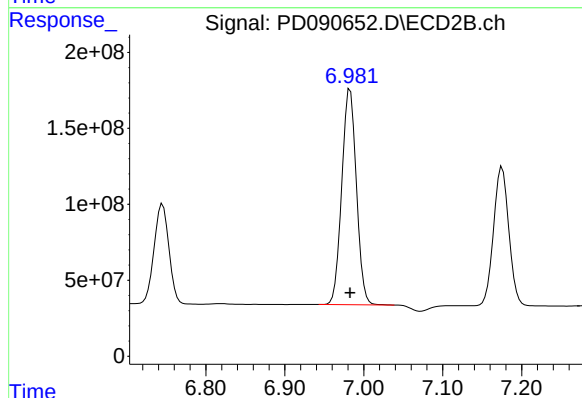
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 859946427
Conc: 50.00 ng/ml



#21 Endrin ketone

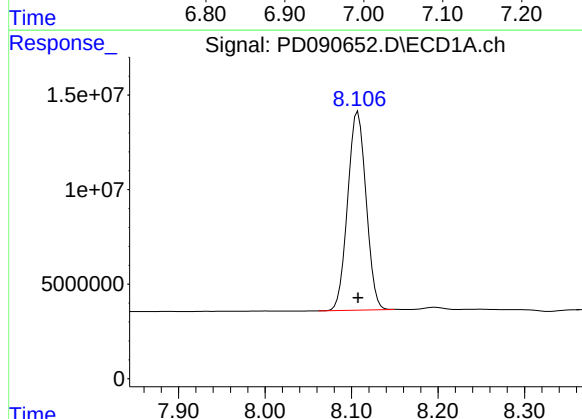
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 239116023
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



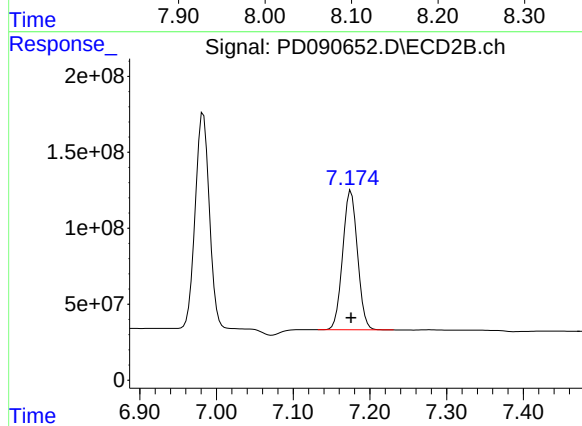
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1827533277
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 154621594
Conc: 50.00 ng/ml



#22 Mirex

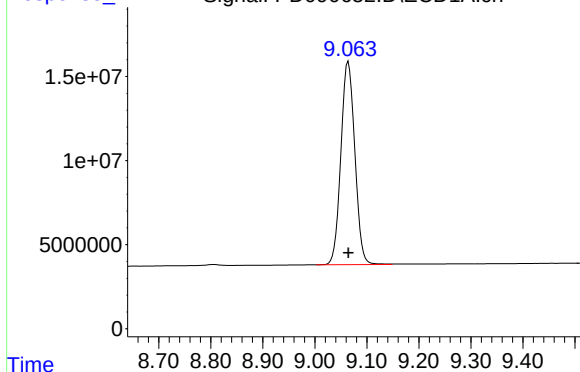
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1232028398
Conc: 50.00 ng/ml

Response_

Signal: PD090652.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 225311337
Conc: 50.00 ng/ml

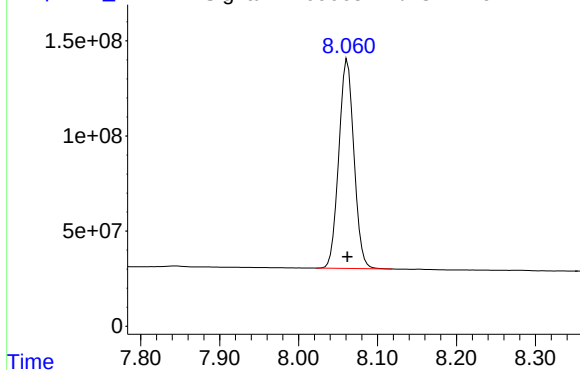
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 1465399343
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090653.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 12:15
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 13:38:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 13:29:41 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...	3.544	2.874	78107465	743.2E6	25.786	26.090
28)	SA Decachlor...	9.065	8.061	117.7E6	751.4E6	26.311	25.807
Target Compounds							
2)	A alpha-BHC	3.993	3.386	168.6E6	1262.5E6	23.132	25.545
3)	MA gamma-BHC...	4.324	3.722	160.4E6	1170.2E6	23.501	25.669
4)	MA Heptachlor	4.922	4.074	132.2E6	1112.6E6	23.835	26.052
5)	MB Aldrin	5.263	4.360	156.0E6	1154.3E6	23.982	25.959
6)	B beta-BHC	4.511	4.018	64015475	495.1E6	25.339	26.214
7)	B delta-BHC	4.759	4.255	158.6E6	1178.9E6	23.327	25.605
8)	B Heptachlo...	5.684	4.864	139.6E6	1059.4E6	24.488	26.460
9)	A Endosulfan I	6.067	5.238	133.7E6	987.0E6	24.700	26.323
10)	B gamma-Chl...	5.939	5.116	139.8E6	1108.7E6	23.988	25.717
11)	B alpha-Chl...	6.020	5.181	154.3E6	1067.7E6	25.731	25.860
12)	B 4,4'-DDE	6.190	5.365	126.3E6	1089.4E6	23.861	25.967
13)	MA Dieldrin	6.340	5.503	138.8E6	1105.1E6	23.985	26.105
14)	MA Endrin	6.567	5.780	117.8E6	1017.3E6	23.978	26.284
15)	B Endosulfa...	6.781	6.071	119.7E6	938.0E6	24.710	26.203
16)	A 4,4'-DDD	6.700	5.920	96019034	905.9E6	23.822	25.918
17)	MA 4,4'-DDT	7.016	6.173	98197092	874.0E6	23.870	25.388
18)	B Endrin al...	6.909	6.250	89492653	694.2E6	25.271	26.317
19)	B Endosulfa...	7.144	6.473	112.0E6	896.5E6	24.754	26.114
20)	A Methoxychlor	7.488	6.744	52364279	443.4E6	25.424	26.326
21)	B Endrin ke...	7.625	6.982	117.4E6	945.4E6	24.668	26.289
22)	Mirex	8.108	7.175	79715192	640.8E6	26.131	26.336

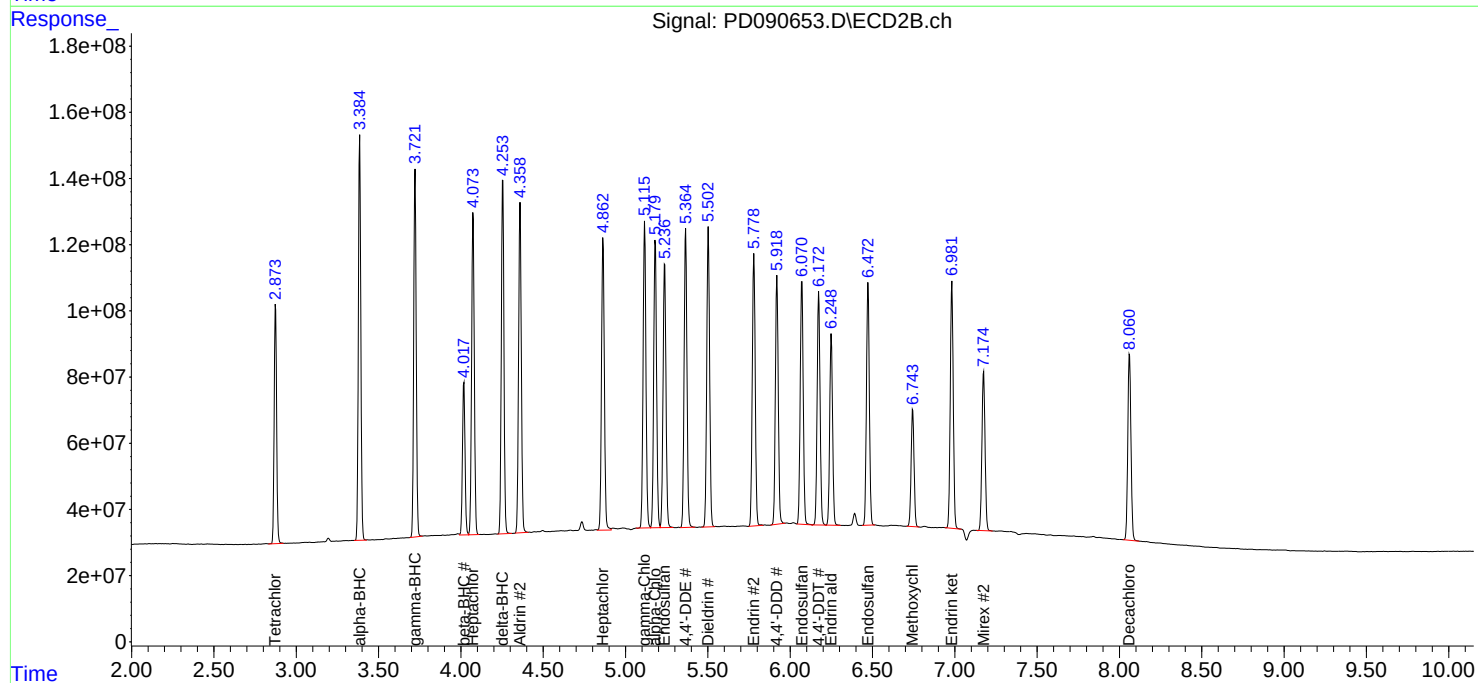
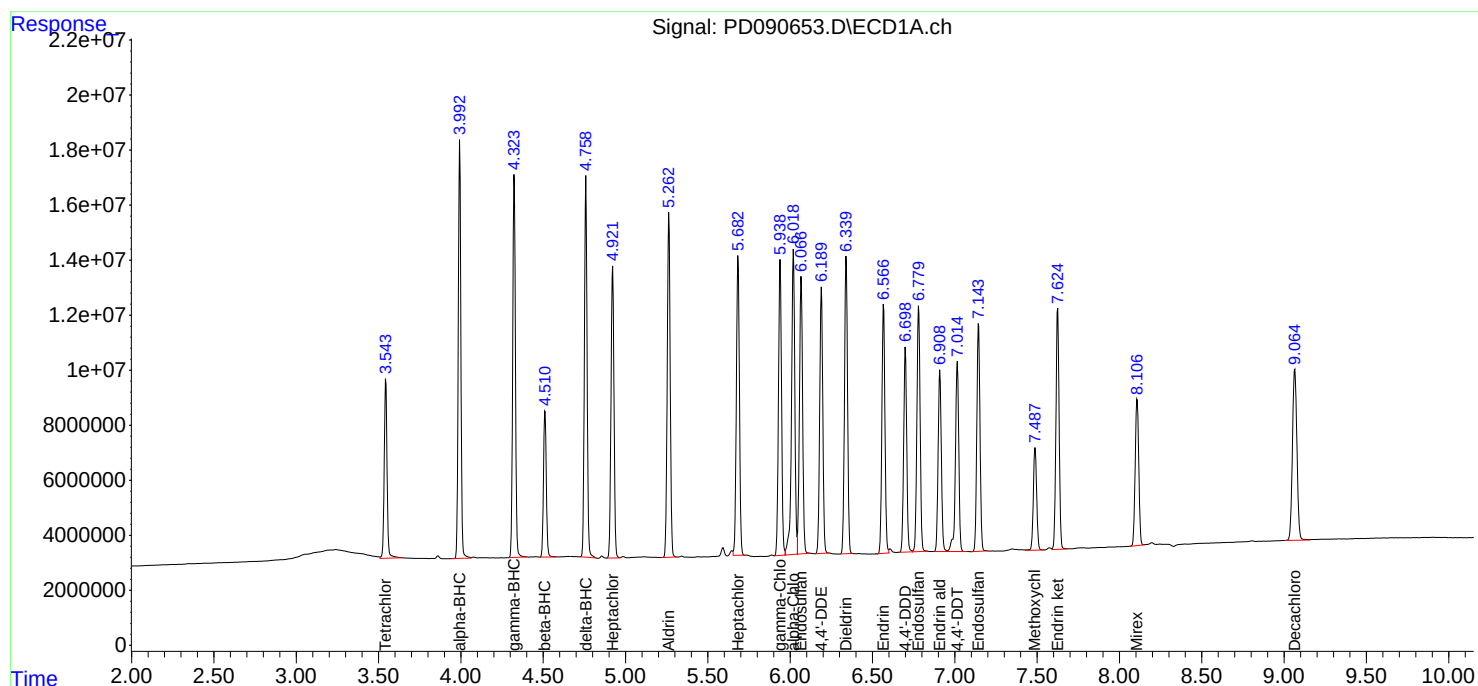
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

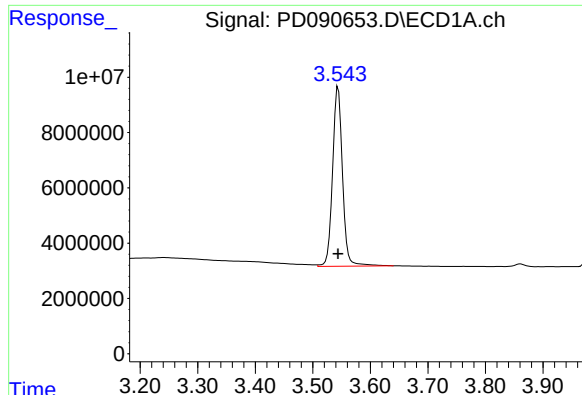
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:15
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:38:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 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

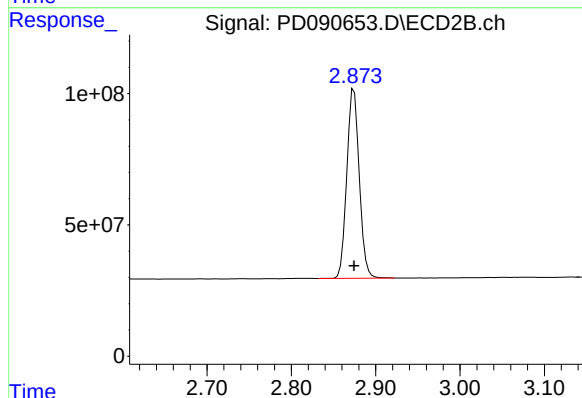




#1 Tetrachloro-m-xylene

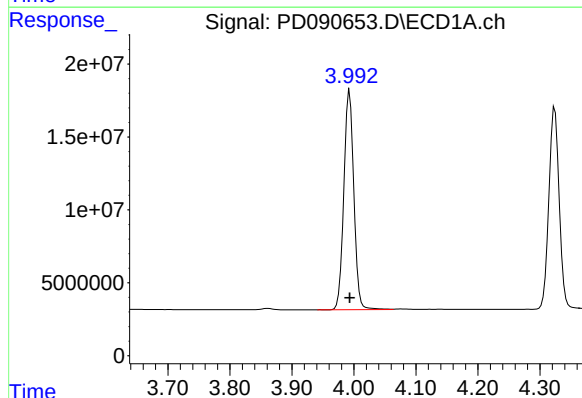
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 78107465
Conc: 25.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



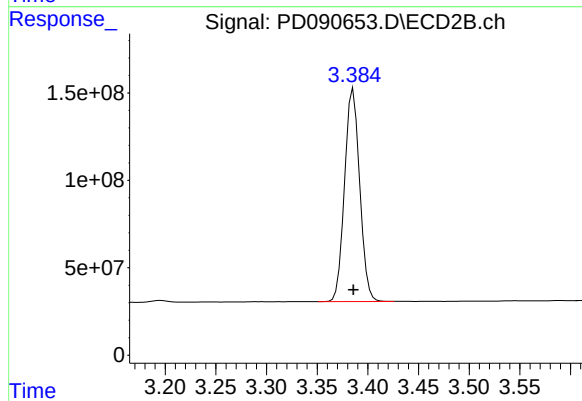
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 743162855
Conc: 26.09 ng/ml



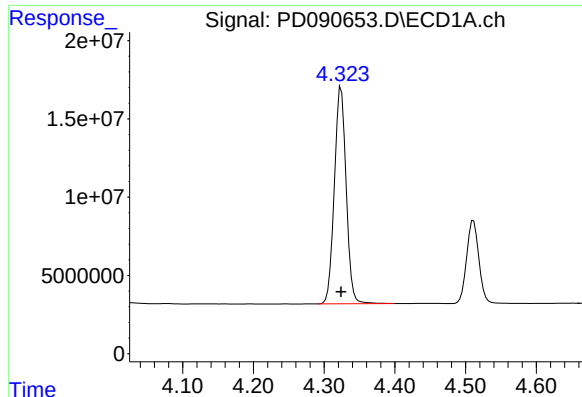
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 168576733
Conc: 23.13 ng/ml



#2 alpha-BHC

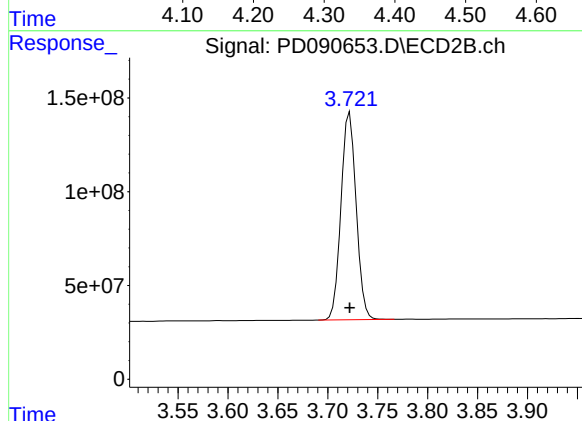
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 1262506307
Conc: 25.54 ng/ml



#3 gamma-BHC (Lindane)

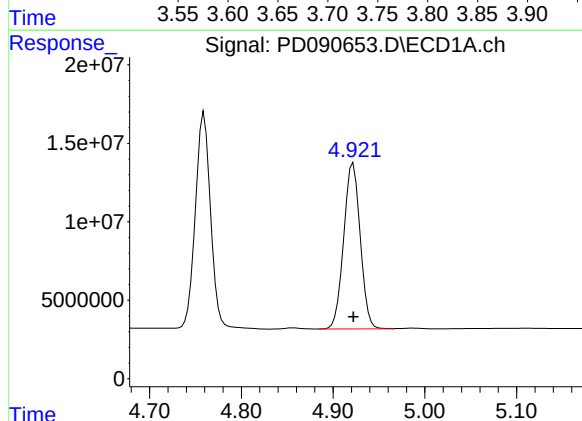
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 160449432
Conc: 23.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



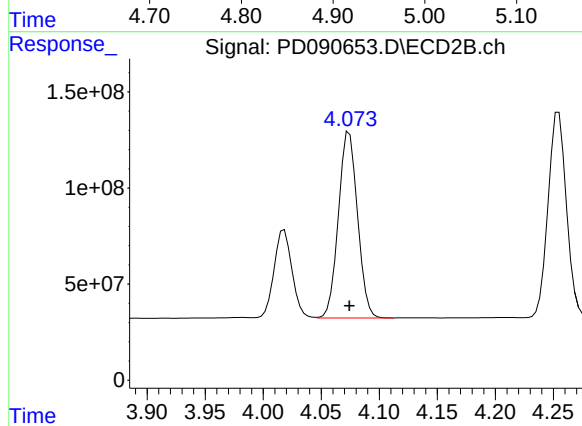
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 1170208039
Conc: 25.67 ng/ml



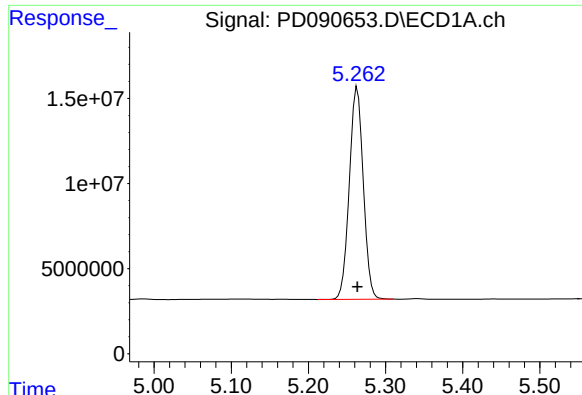
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 132221469
Conc: 23.83 ng/ml



#4 Heptachlor

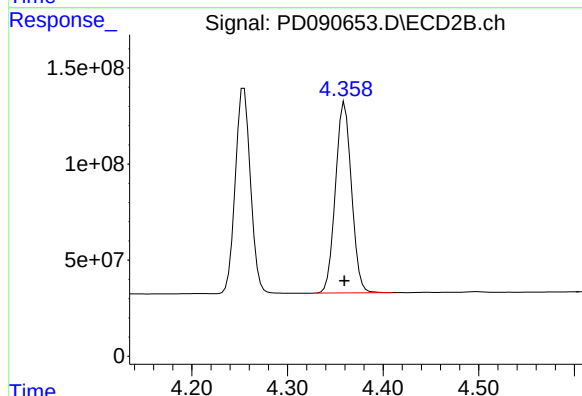
R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 1112572417
Conc: 26.05 ng/ml



#5 Aldrin

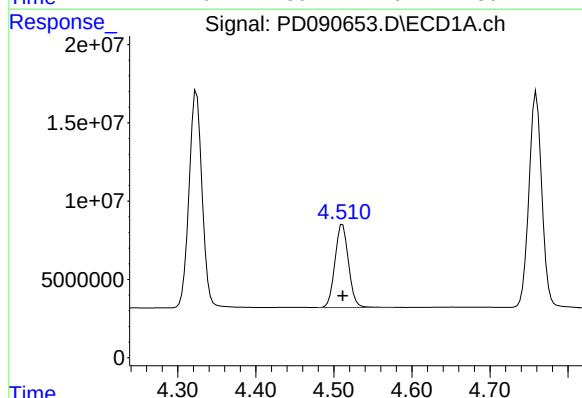
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 155953472
Conc: 23.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



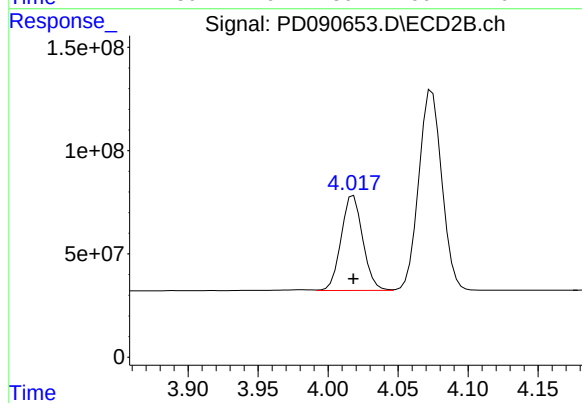
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 1154309416
Conc: 25.96 ng/ml



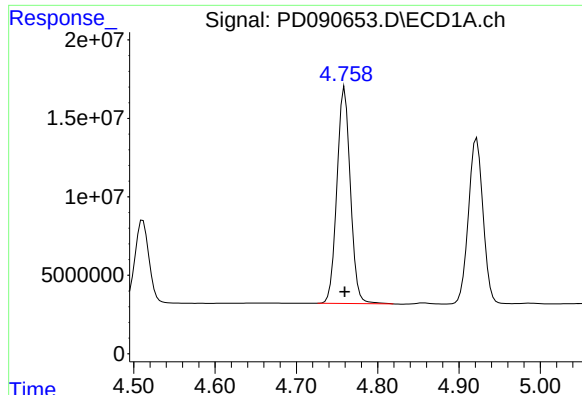
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 64015475
Conc: 25.34 ng/ml



#6 beta-BHC

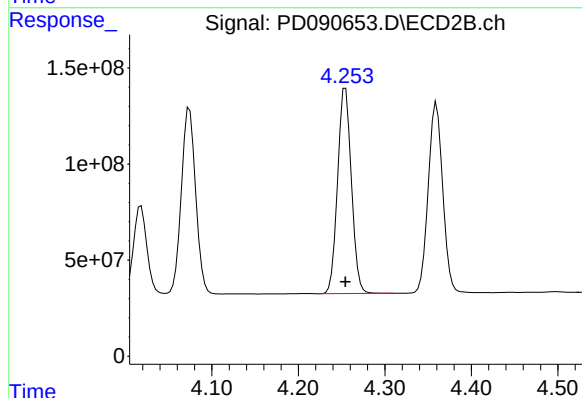
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 495101315
Conc: 26.21 ng/ml



#7 delta-BHC

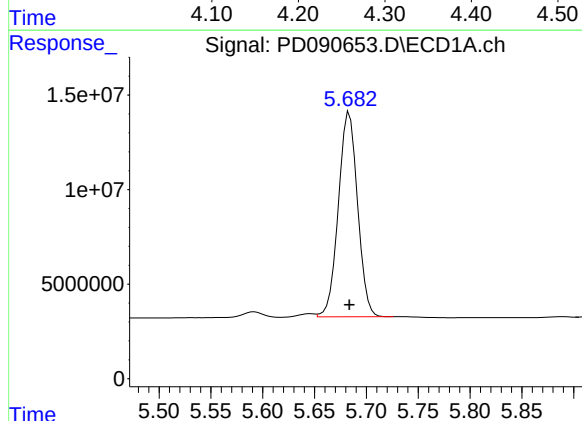
R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 158561347
Conc: 23.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



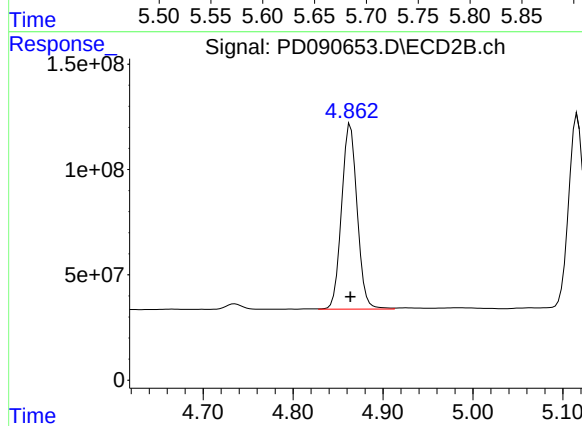
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1178894488
Conc: 25.60 ng/ml



#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 139624515
Conc: 24.49 ng/ml



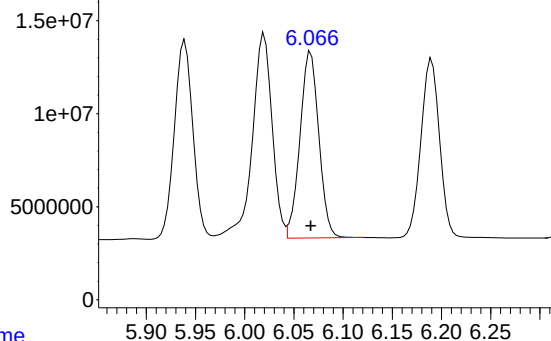
#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 1059359842
Conc: 26.46 ng/ml

Response_

Signal: PD090653.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 133716398
Conc: 24.70 ng/ml

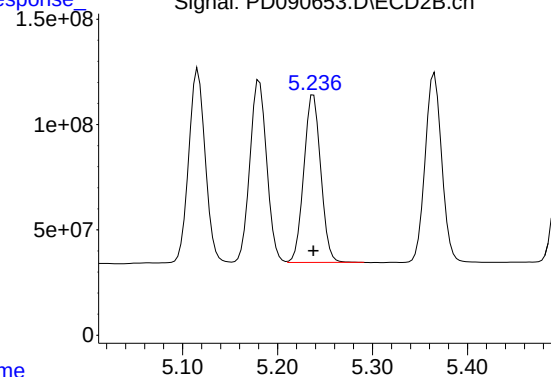
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response

Signal: PD090653.D\ECD2B.ch

#9 Endosulfan I



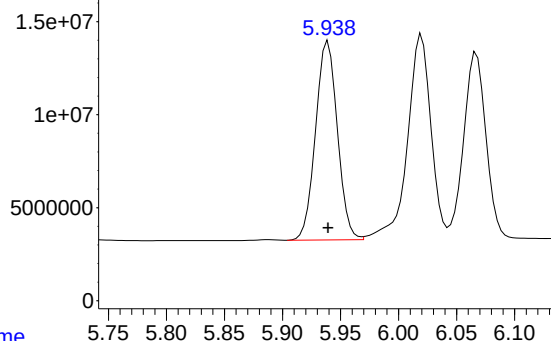
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 986966005
Conc: 26.32 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#10 gamma-Chlordane



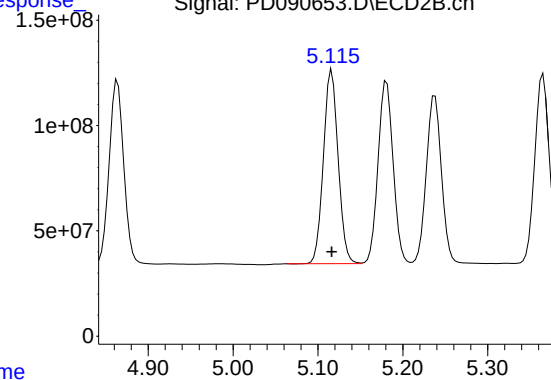
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 139816717
Conc: 23.99 ng/ml

Time

Response

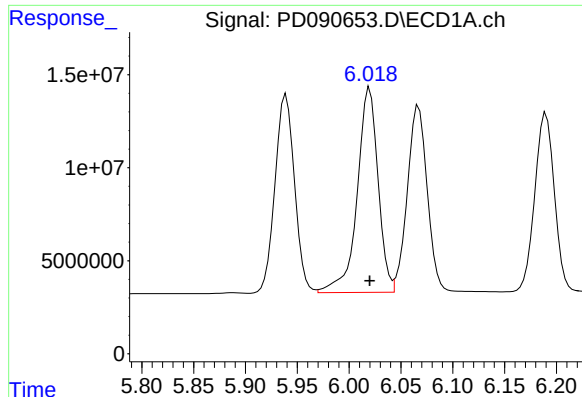
Signal: PD090653.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 1108664102
Conc: 25.72 ng/ml

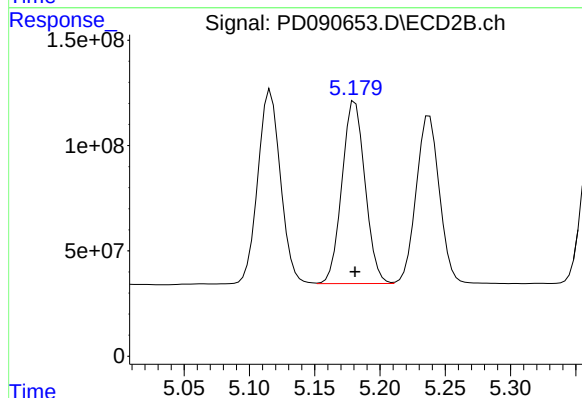
Time



#11 alpha-Chlordane

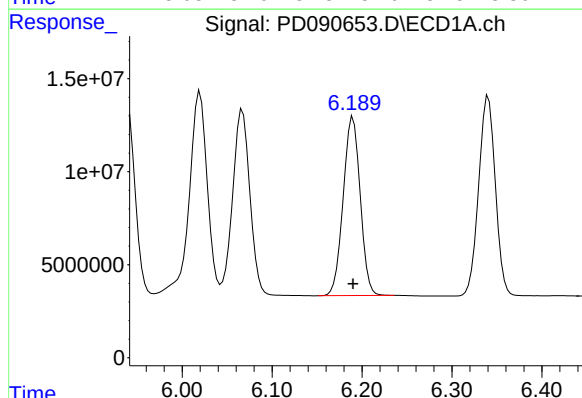
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 154261488
Conc: 25.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



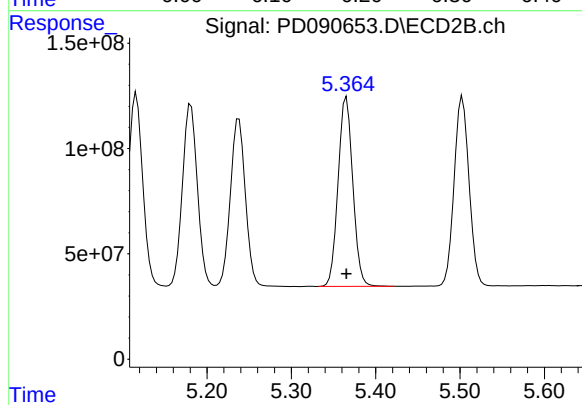
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1067721561
Conc: 25.86 ng/ml



#12 4,4'-DDE

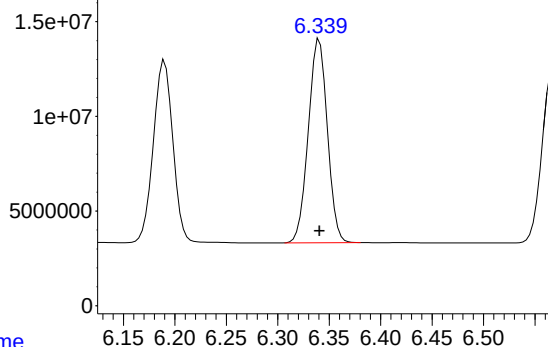
R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 126326499
Conc: 23.86 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 1089429298
Conc: 25.97 ng/ml

Response_ Signal: PD090653.D\ECD1A.ch

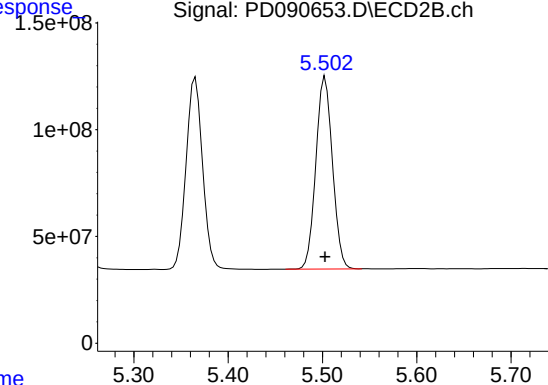


#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 138758150
Conc: 23.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

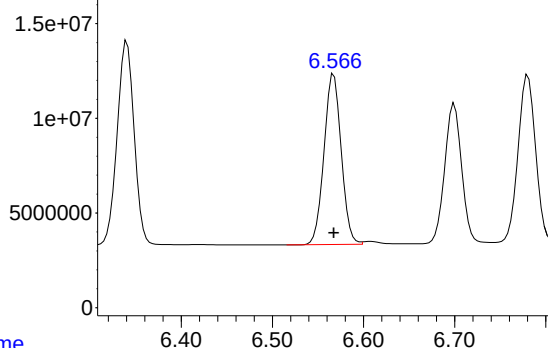
Time Response_ Signal: PD090653.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1105079839
Conc: 26.11 ng/ml

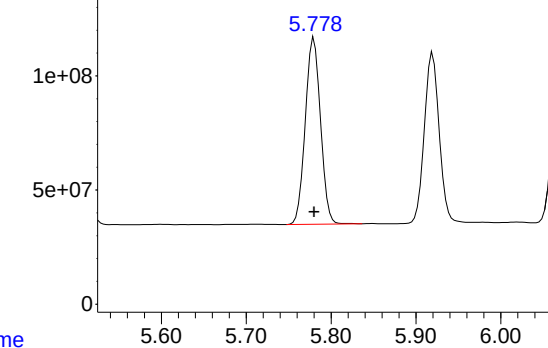
Time Response_ Signal: PD090653.D\ECD1A.ch



#14 Endrin

R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 117779573
Conc: 23.98 ng/ml

Time Response_ Signal: PD090653.D\ECD2B.ch



#14 Endrin

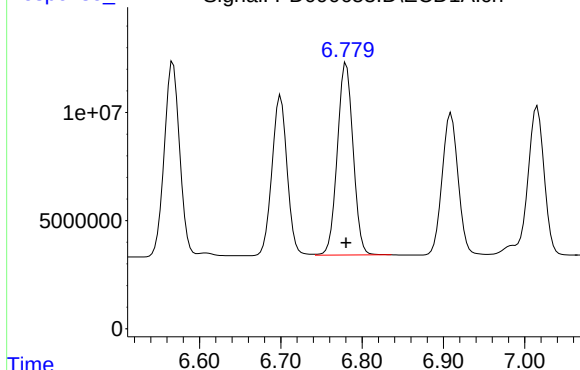
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1017324913
Conc: 26.28 ng/ml

Response_

Signal: PD090653.D\ECD1A.ch

#15 Endosulfan II

ICAL Form



R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 119743666
Conc: 24.71 ng/ml

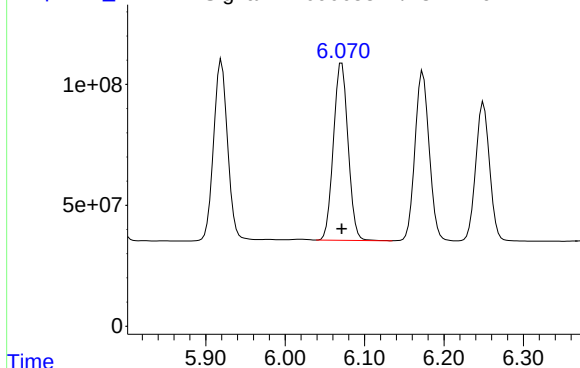
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#15 Endosulfan II



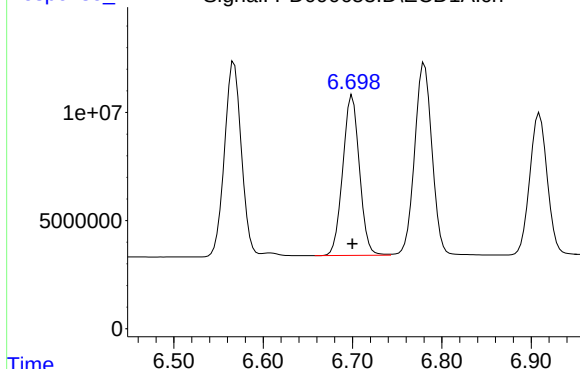
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 938003929
Conc: 26.20 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#16 4,4'-DDD



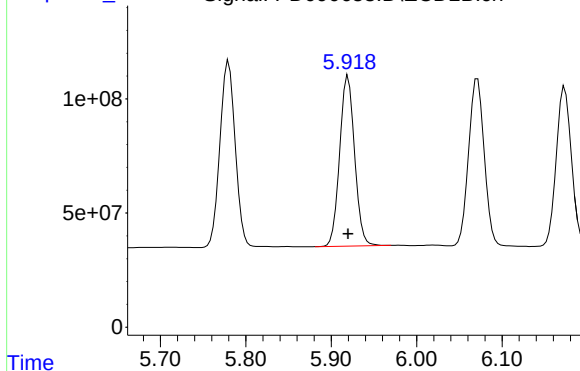
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 96019034
Conc: 23.82 ng/ml

Time

Response_

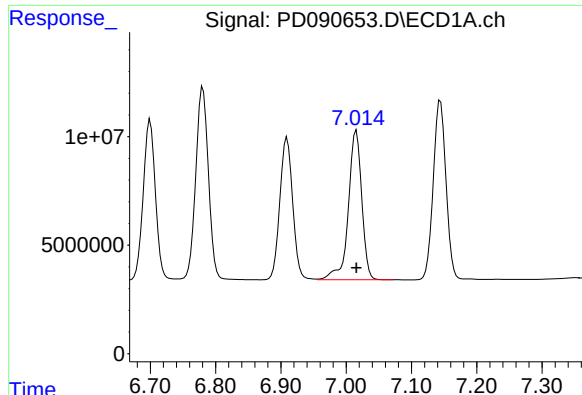
Signal: PD090653.D\ECD2B.ch

#16 4,4'-DDD



R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 905938376
Conc: 25.92 ng/ml

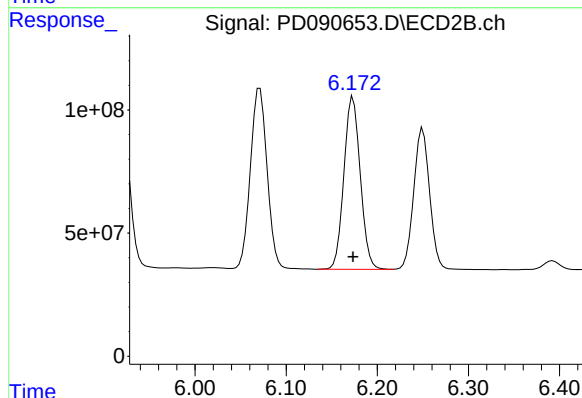
Time



#17 4,4'-DDT

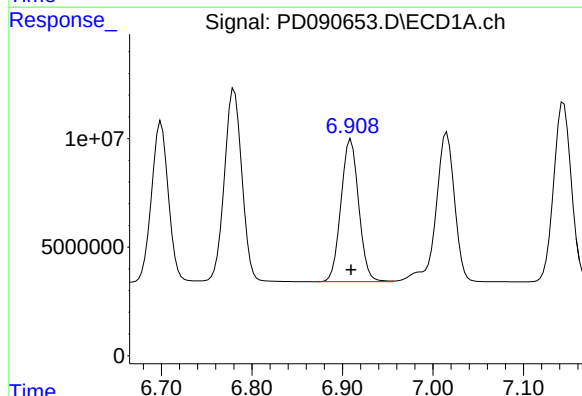
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 98197092
Conc: 23.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



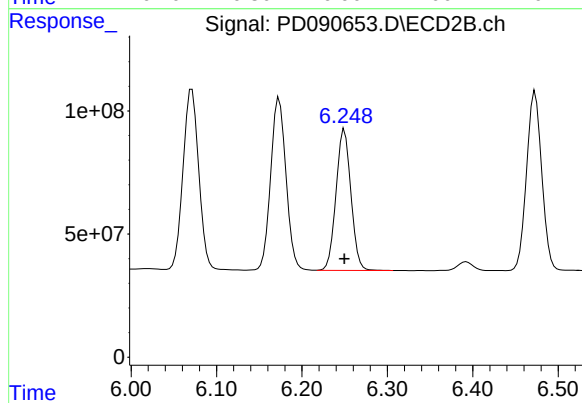
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 873976959
Conc: 25.39 ng/ml



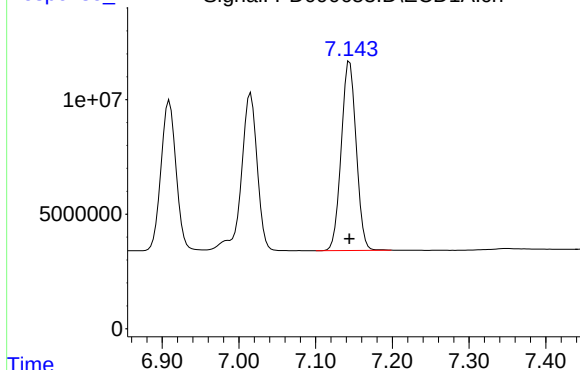
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 89492653
Conc: 25.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 694183960
Conc: 26.32 ng/ml



R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 111999004
Conc: 24.75 ng/ml

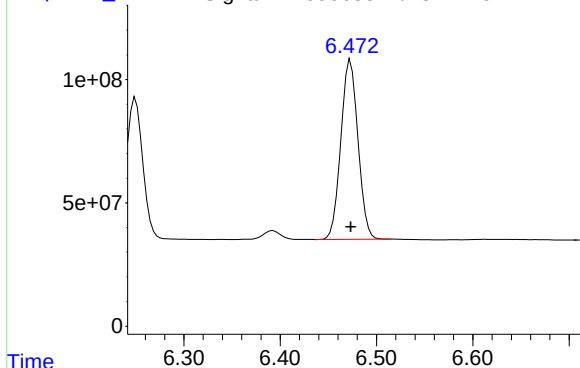
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#19 Endosulfan Sulfate



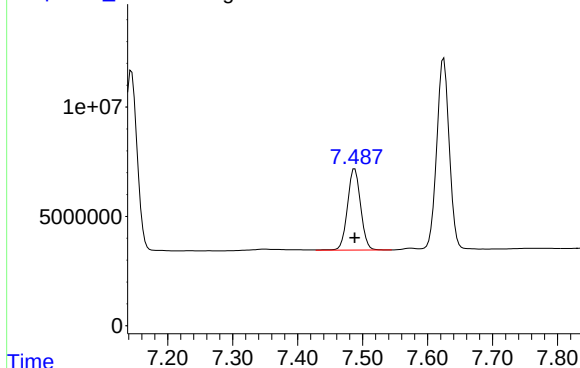
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 896525775
Conc: 26.11 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#20 Methoxychlor



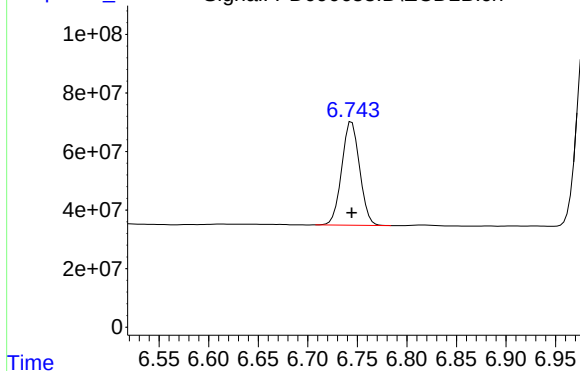
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 52364279
Conc: 25.42 ng/ml

Time

Response_

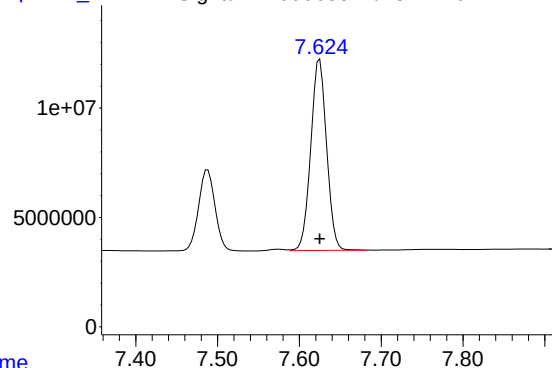
Signal: PD090653.D\ECD2B.ch

#20 Methoxychlor



R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 443376884
Conc: 26.33 ng/ml

Response_ Signal: PD090653.D\ECD1A.ch

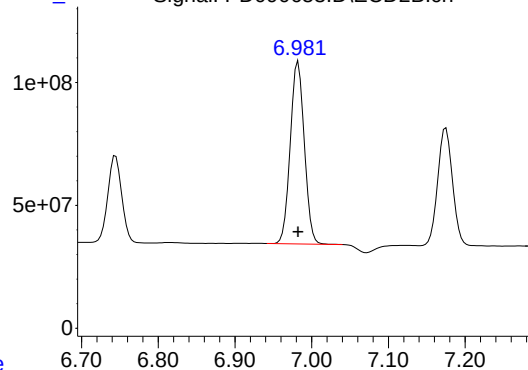


#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 117381168
Conc: 24.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

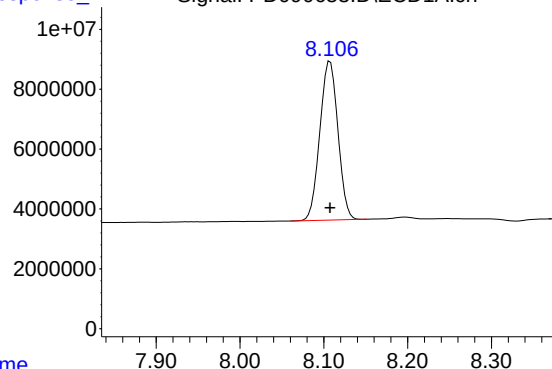
Time Response_ Signal: PD090653.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 945417829
Conc: 26.29 ng/ml

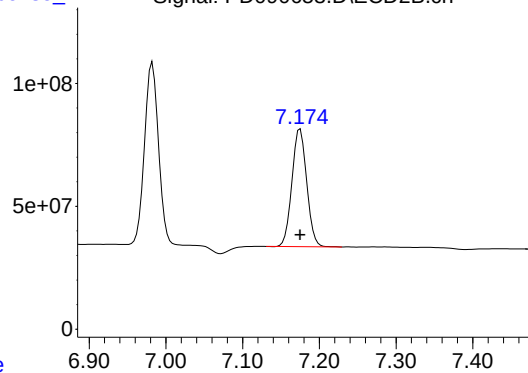
Time Response_ Signal: PD090653.D\ECD1A.ch



#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 79715192
Conc: 26.13 ng/ml

Time Response_ Signal: PD090653.D\ECD2B.ch



#22 Mirex

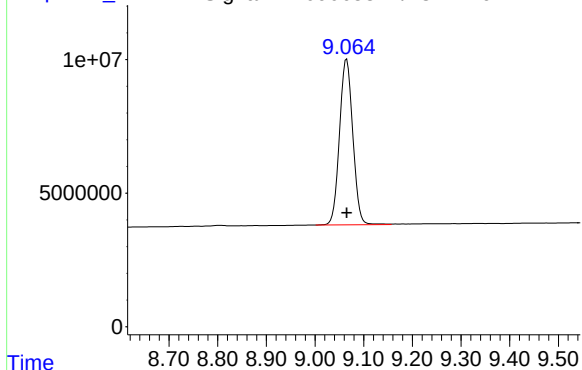
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 640790883
Conc: 26.34 ng/ml

Response_

Signal: PD090653.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 117676418
Conc: 26.31 ng/ml

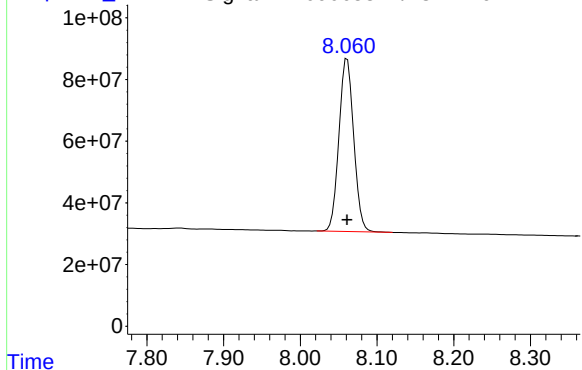
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 751430638
Conc: 25.81 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090654.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 12:28
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 13:41:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 13:29:41 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...	3.543	2.874	17271955	174.7E6	5.550m	5.868
28) SA Decachlor...	9.066	8.062	27500355	174.9E6	5.879	5.775
Target Compounds						
2) A alpha-BHC	3.993	3.386	33677596	288.9E6	4.692	5.655
3) MA gamma-BHC...	4.324	3.723	33423739	269.5E6	4.916	5.703
4) MA Heptachlor	4.922	4.075	28789856	260.9E6	5.151	5.850
5) MB Aldrin	5.264	4.360	33624118	268.6E6	5.136	5.800
6) B beta-BHC	4.512	4.019	14963256	118.0E6	5.712	5.951
7) B delta-BHC	4.760	4.255	33098385	272.1E6	4.895	5.702
8) B Heptachlo...	5.684	4.864	30689599	265.3E6	5.301	6.280
9) A Endosulfan I	6.067	5.238	30143871	234.9E6	5.444	5.962
10) B gamma-Chl...	5.940	5.117	31705442	261.5E6	5.346	5.818
11) B alpha-Chl...	6.019	5.181	34603140	252.7E6	5.576m	5.857
12) B 4,4'-DDE	6.190	5.366	27280775	256.9E6	5.122	5.859
13) MA Dieldrin	6.341	5.504	30082015	258.0E6	5.159	5.839
14) MA Endrin	6.568	5.781	25601278	238.2E6	5.168	5.883
15) B Endosulfa...	6.781	6.072	28078989	222.9E6	5.616	5.936
16) A 4,4'-DDD	6.700	5.921	20742842	211.9E6	5.116	5.814
17) MA 4,4'-DDT	7.016	6.175	20485670	188.3E6	4.984	5.370
18) B Endrin al...	6.910	6.250	20741409	164.8E6	5.663	5.950
19) B Endosulfa...	7.144	6.474	25464611	209.5E6	5.490	5.845
20) A Methoxychlor	7.489	6.745	11946535	98858490	5.620	5.672
21) B Endrin ke...	7.624	6.983	26302012	223.7E6	5.414m	5.931
22) Mirex	8.108	7.175	19009608	155.6E6	5.939	6.058

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:28
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

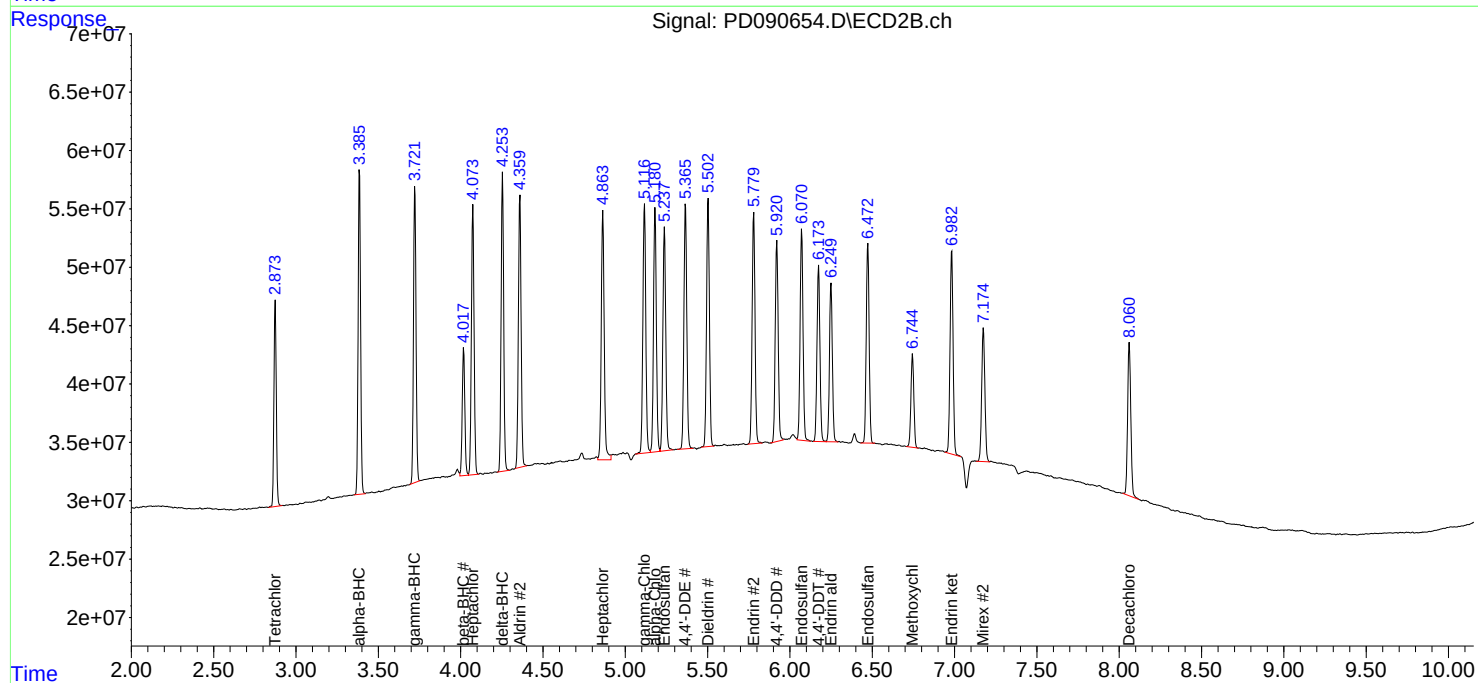
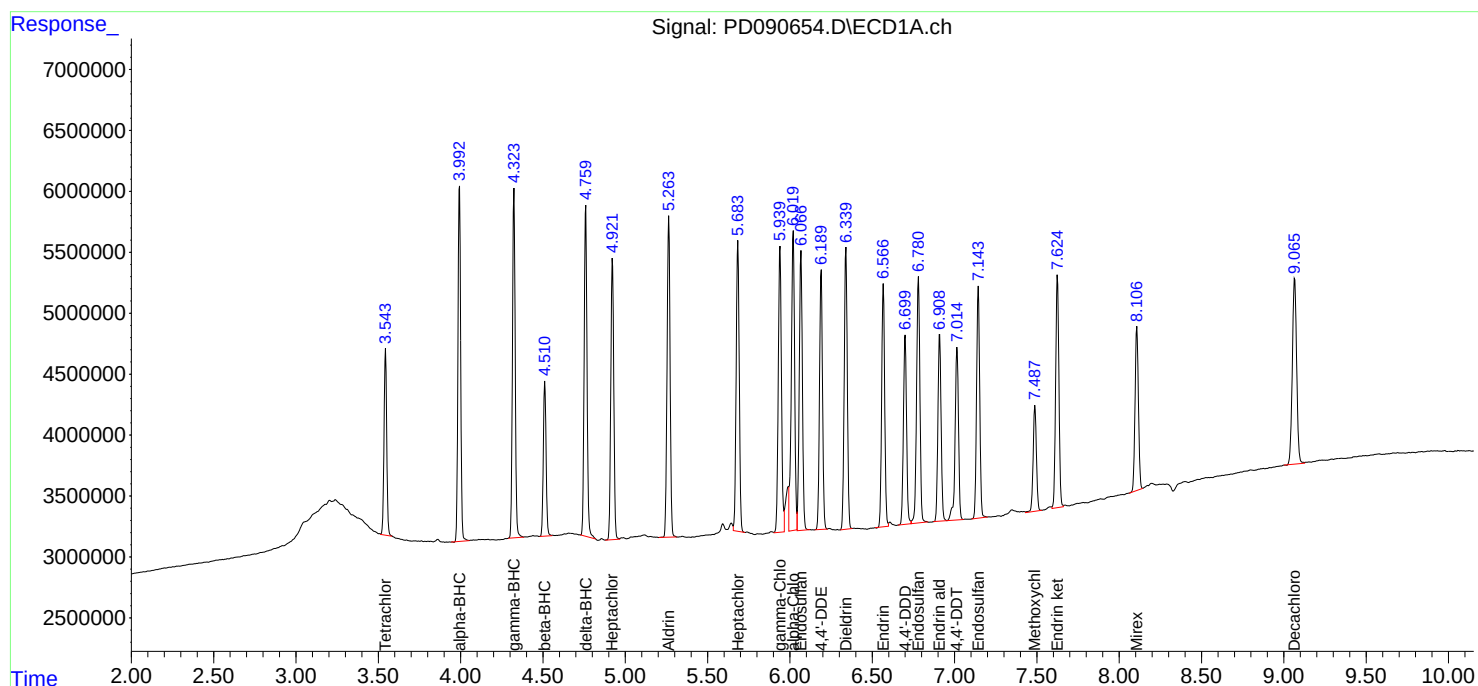
APPROVED

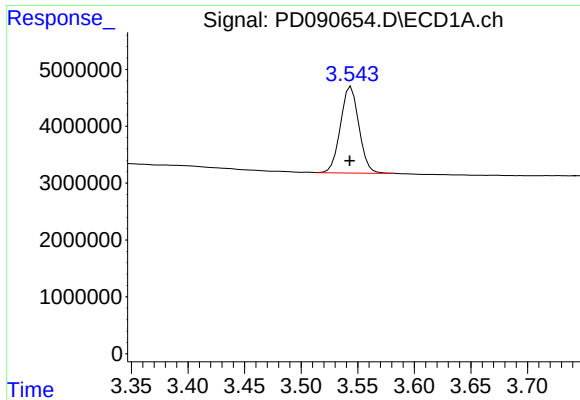
Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:41:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:29:41 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

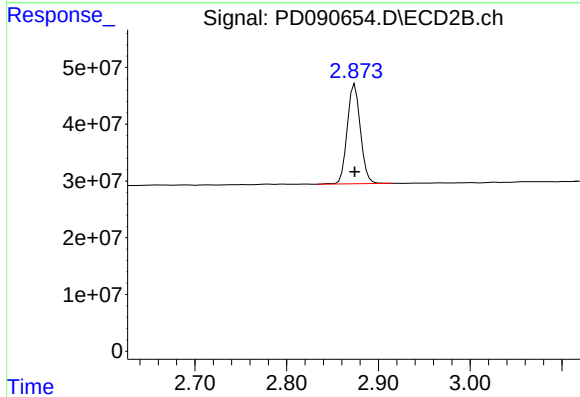
R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 17271955
Conc: 5.55 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

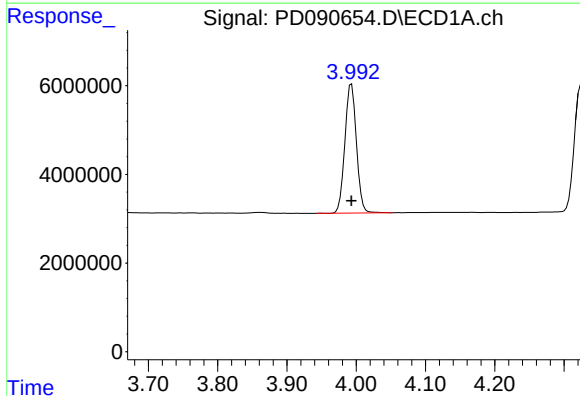
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



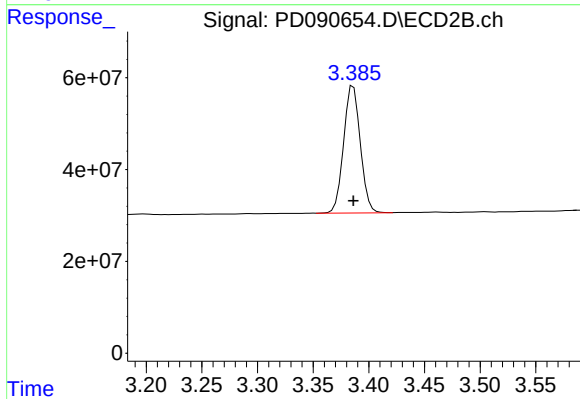
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 174747032
Conc: 5.87 ng/ml



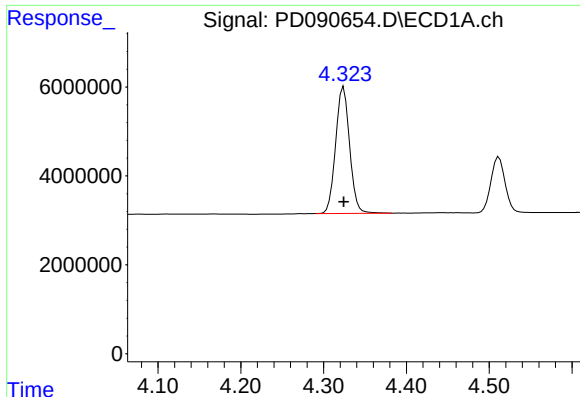
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 33677596
Conc: 4.69 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 288924308
Conc: 5.65 ng/ml



#3 gamma-BHC (Lindane)

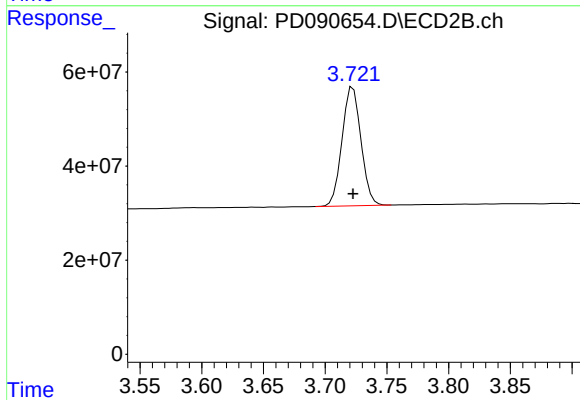
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 33423739
Conc: 4.92 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

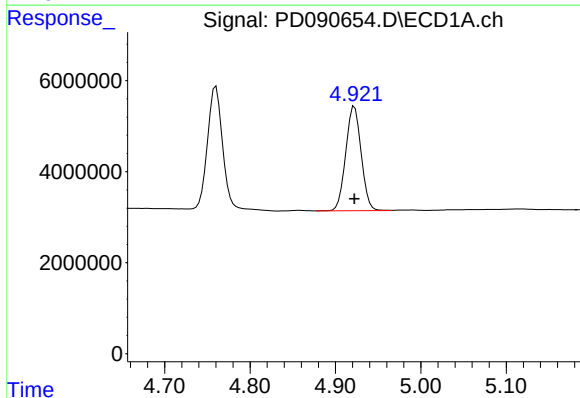
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



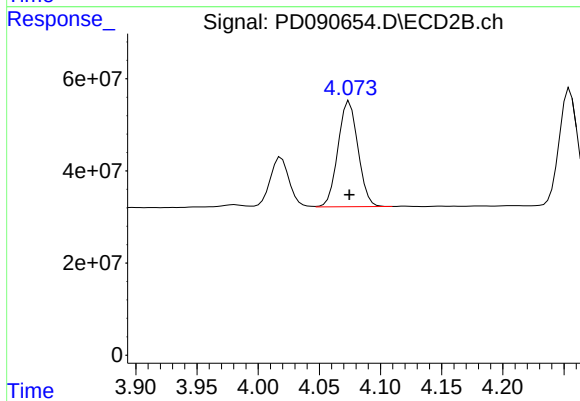
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 269467396
Conc: 5.70 ng/ml



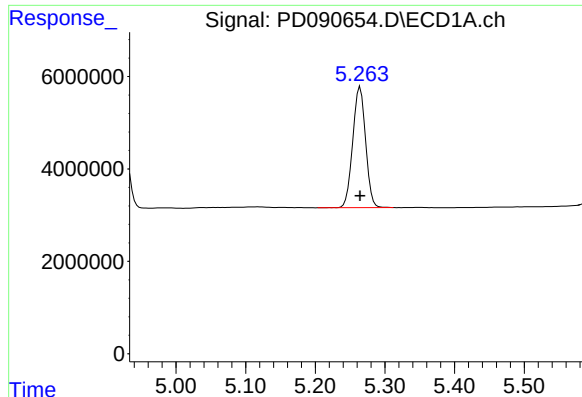
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 28789856
Conc: 5.15 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 260945196
Conc: 5.85 ng/ml



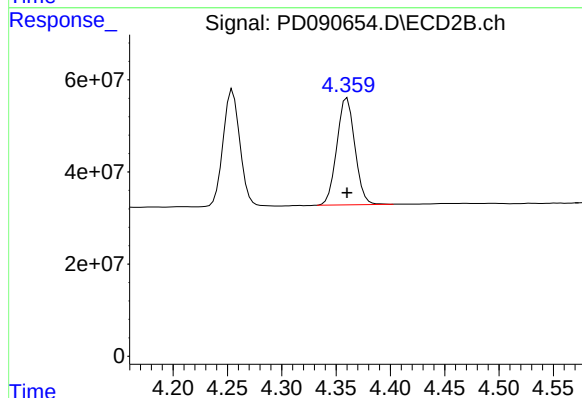
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 33624118
Conc: 5.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

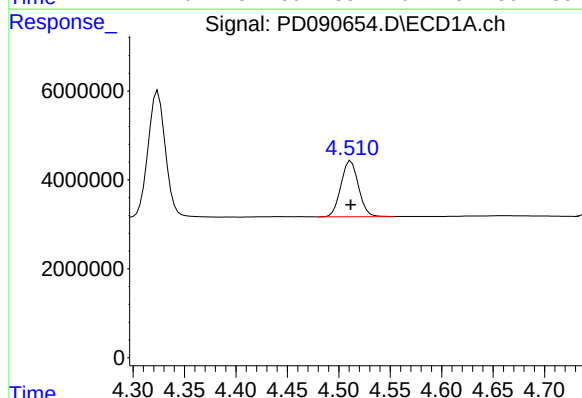
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



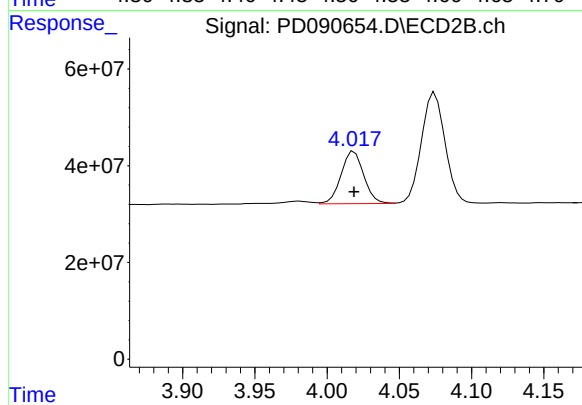
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 268648325
Conc: 5.80 ng/ml



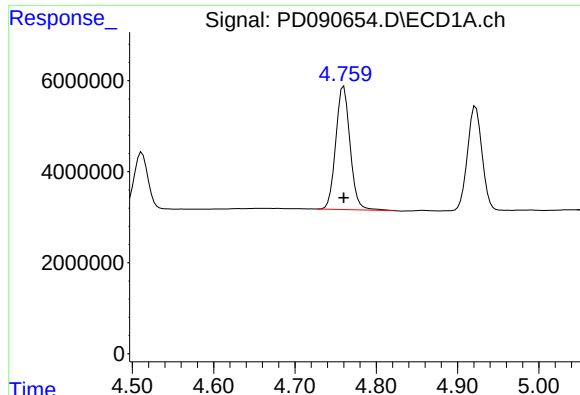
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 14963256
Conc: 5.71 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 118003884
Conc: 5.95 ng/ml



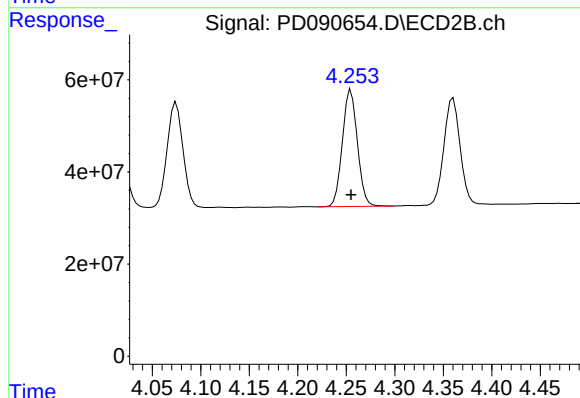
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 33098385
Conc: 4.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

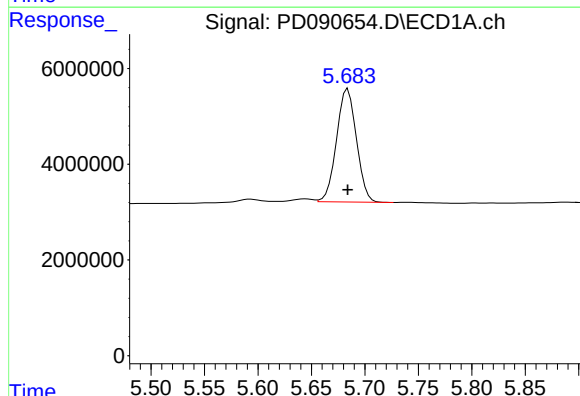
Manual Integrations
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Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



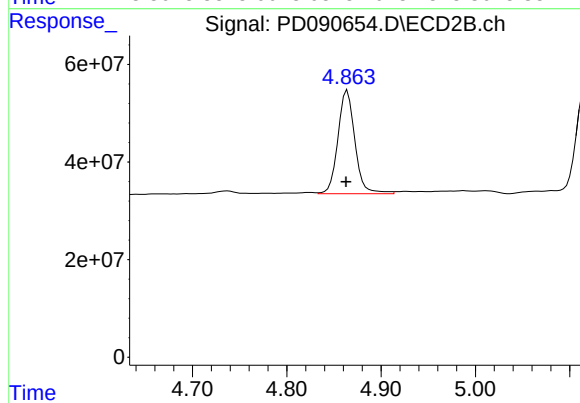
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 272079912
Conc: 5.70 ng/ml



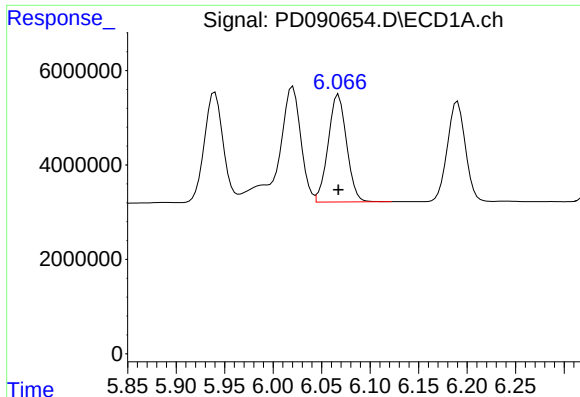
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 30689599
Conc: 5.30 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.001 min
Response: 265262691
Conc: 6.28 ng/ml



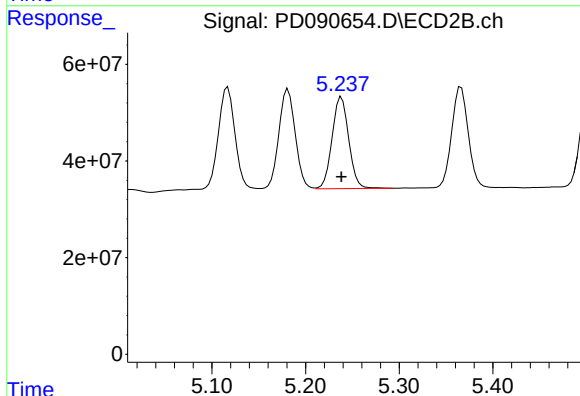
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 30143871
Conc: 5.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

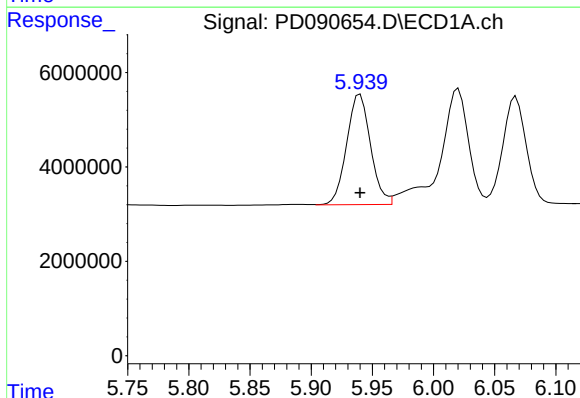
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



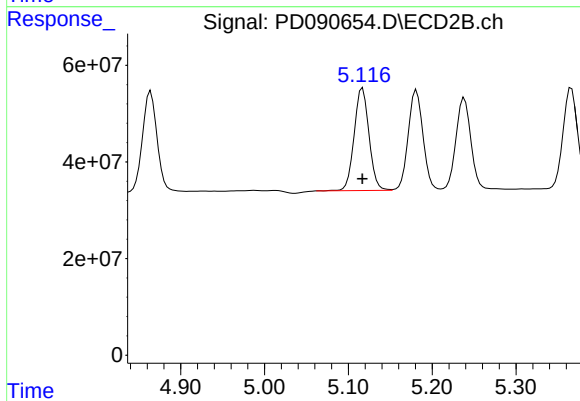
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 234861846
Conc: 5.96 ng/ml



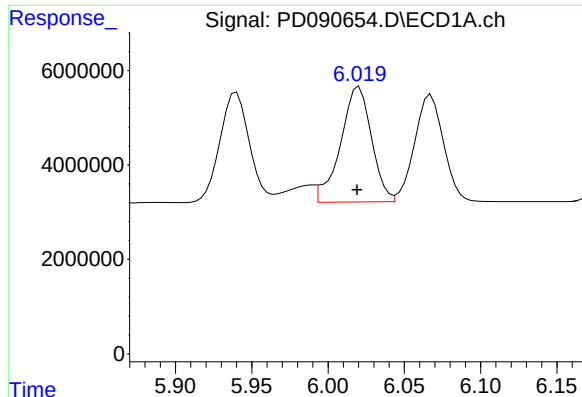
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 31705442
Conc: 5.35 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 261533283
Conc: 5.82 ng/ml



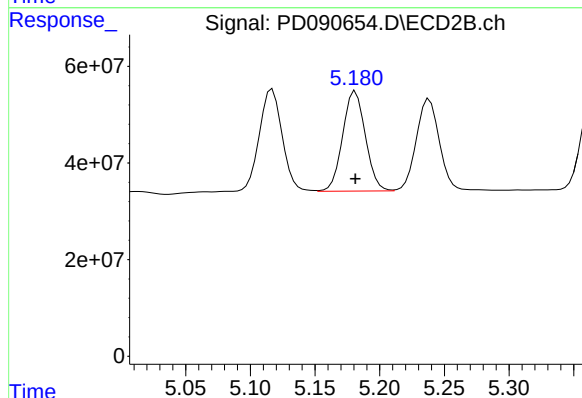
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 34603140
Conc: 5.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

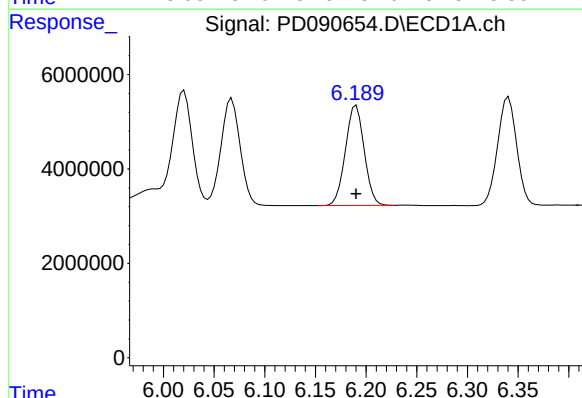
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



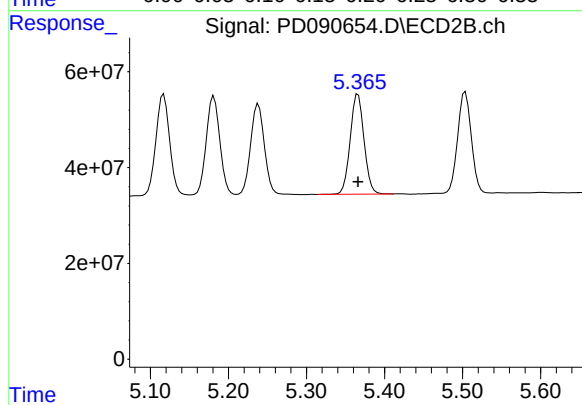
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 252662629
Conc: 5.86 ng/ml



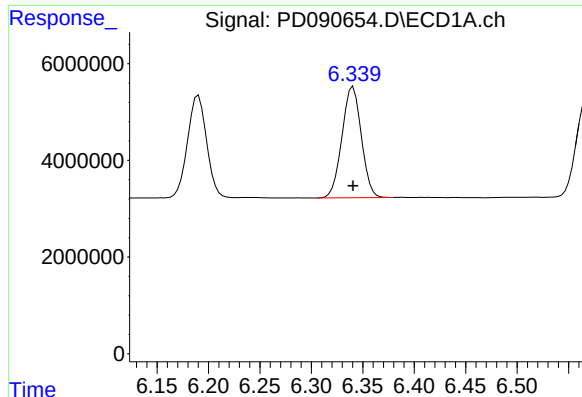
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 27280775
Conc: 5.12 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 256868291
Conc: 5.86 ng/ml



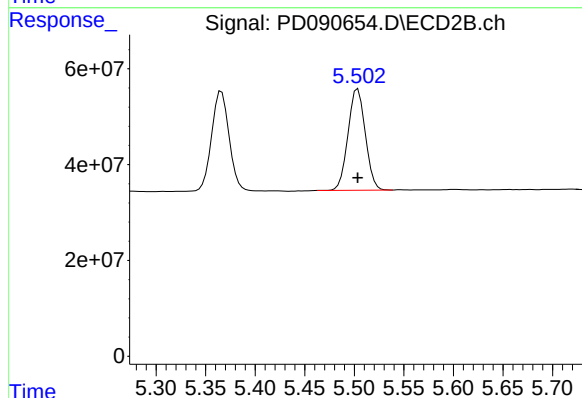
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 30082015
Conc: 5.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

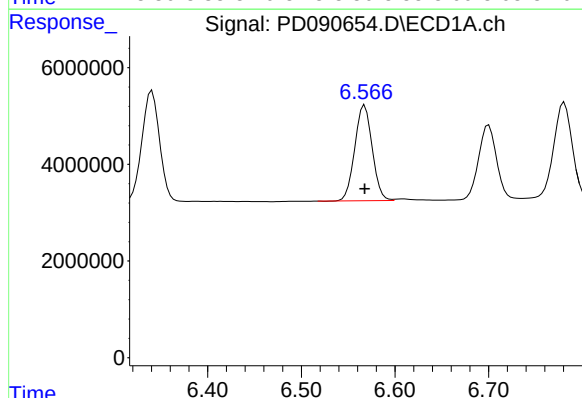
Manual Integrations
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Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



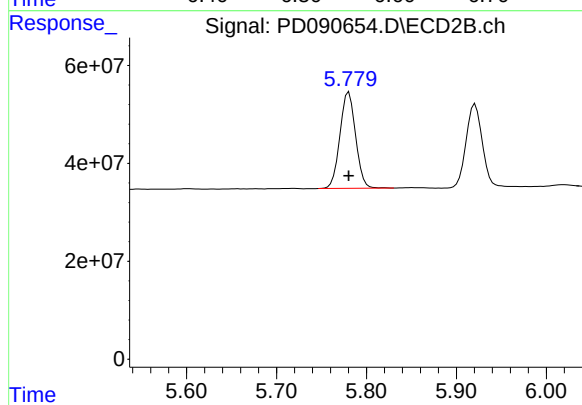
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 257969409
Conc: 5.84 ng/ml



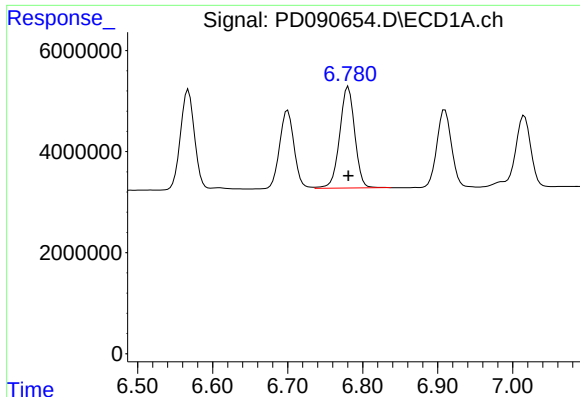
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 25601278
Conc: 5.17 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 238232371
Conc: 5.88 ng/ml



#15 Endosulfan II

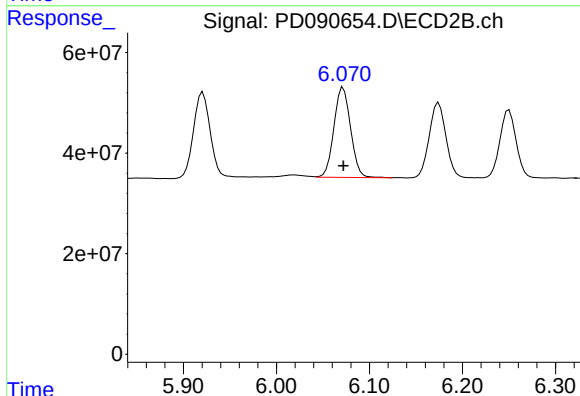
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 28078989
Conc: 5.62 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

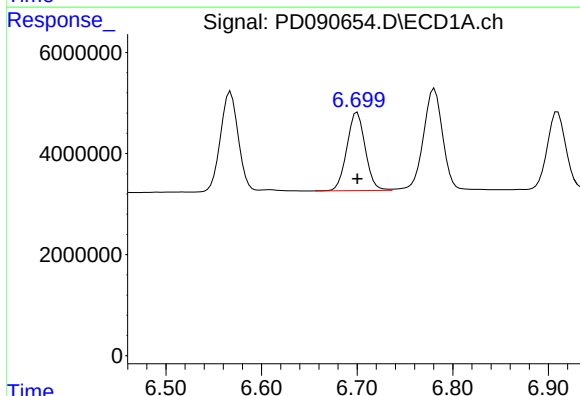
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



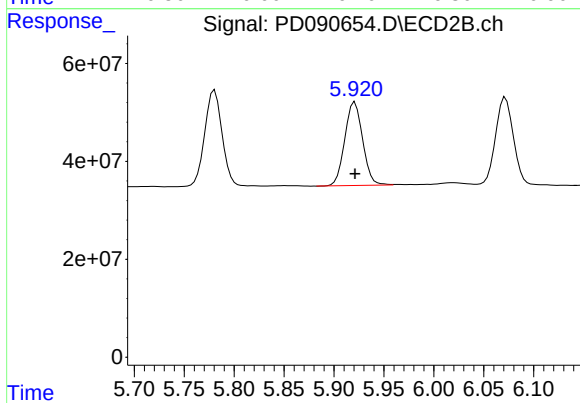
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 222935892
Conc: 5.94 ng/ml



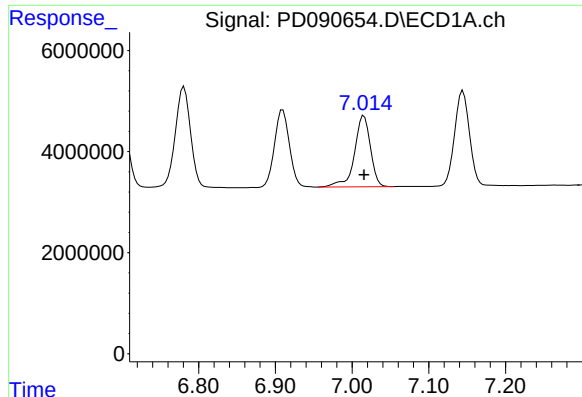
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 20742842
Conc: 5.12 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 211866590
Conc: 5.81 ng/ml



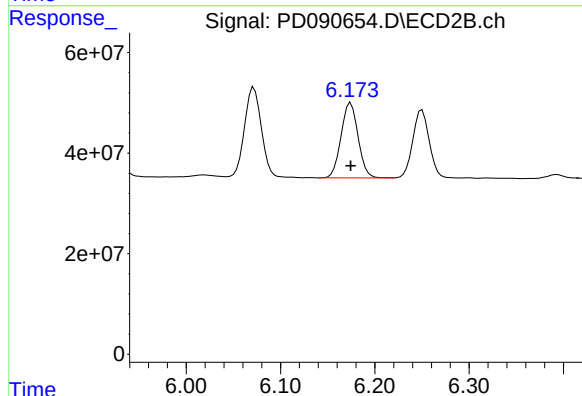
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 20485670
Conc: 4.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

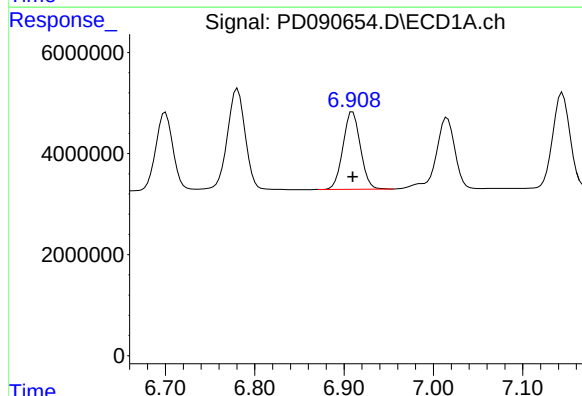
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



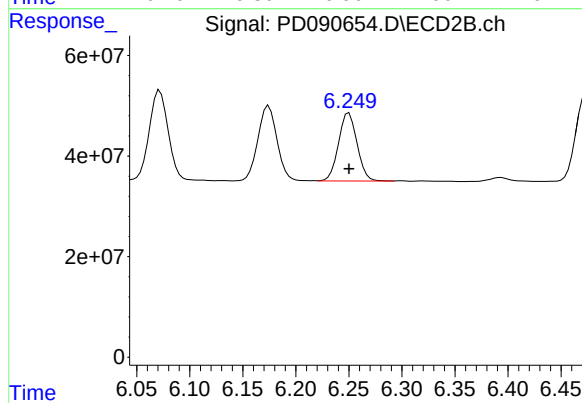
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 188338004
Conc: 5.37 ng/ml



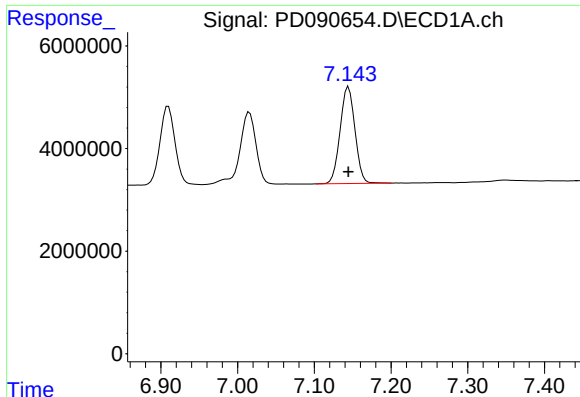
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 20741409
Conc: 5.66 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 164766045
Conc: 5.95 ng/ml



#19 Endosulfan Sulfate

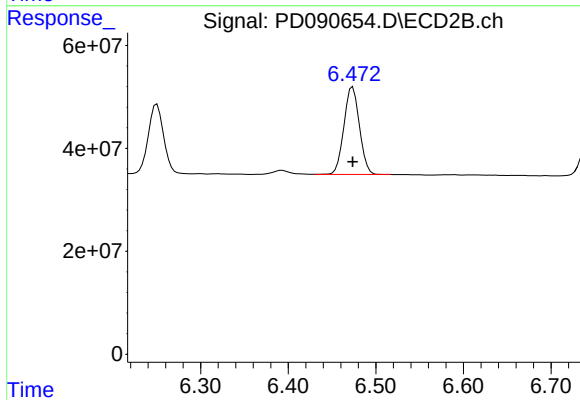
R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 25464611
Conc: 5.49 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

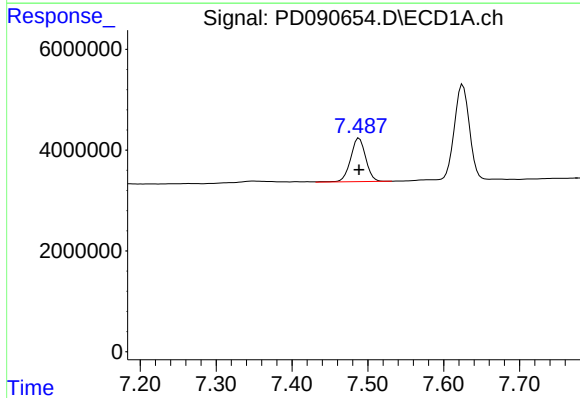
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



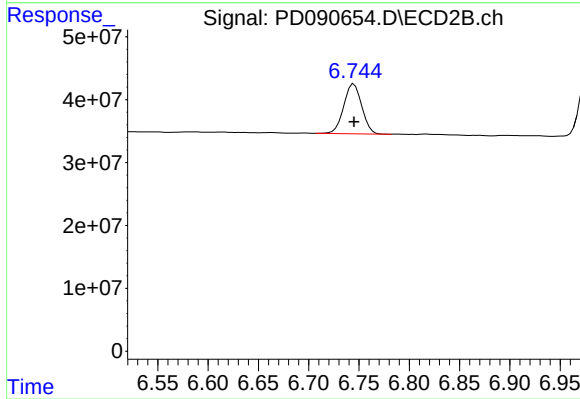
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 209504586
Conc: 5.84 ng/ml



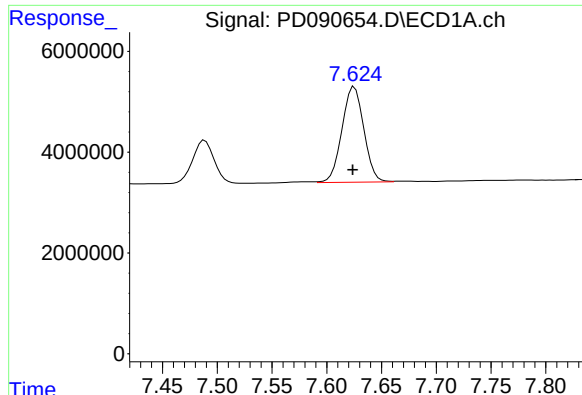
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 11946535
Conc: 5.62 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 98858490
Conc: 5.67 ng/ml



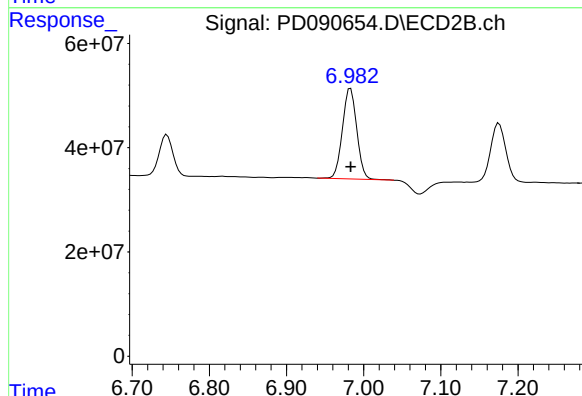
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 26302012
Conc: 5.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

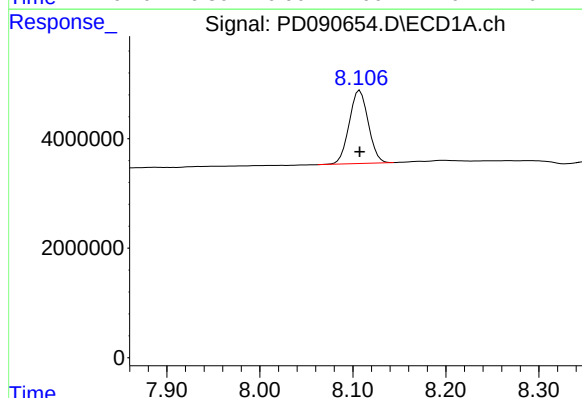
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



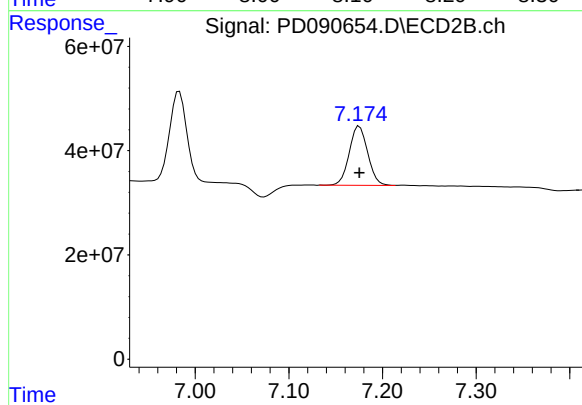
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 223704577
Conc: 5.93 ng/ml



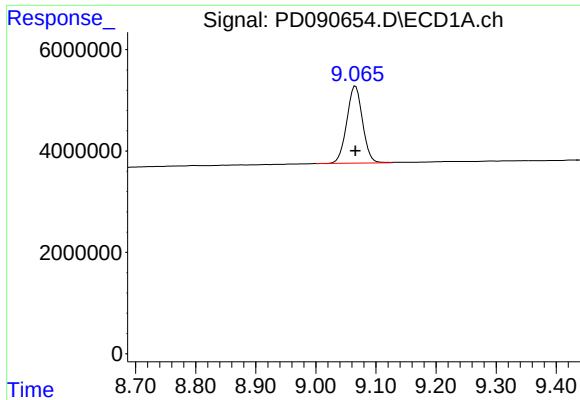
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 19009608
Conc: 5.94 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 155640388
Conc: 6.06 ng/ml



#28 Decachlorobiphenyl

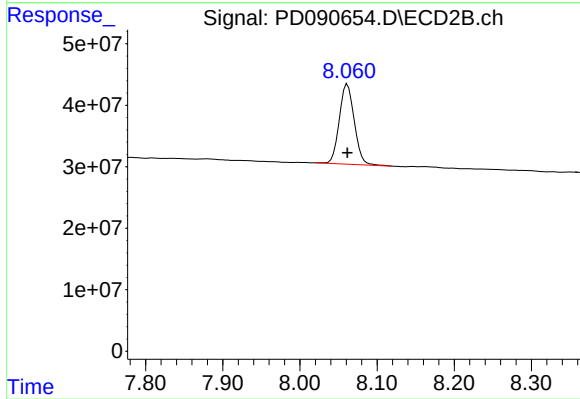
ICAL Form

R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 27500355
Conc: 5.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 174937832
Conc: 5.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 13:09
 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: Oct 17 13:49:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 13:48:57 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...	3.545	2.874	108.8E6	1215.0E6	50.000	50.000
28)	SA Decachlor...	9.066	8.062	167.8E6	1105.6E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.708	3.898	92608674	605.2E6	500.000	500.000
24)	Chlordane-2	5.235	4.479	92865500	631.9E6	500.000	500.000
25)	Chlordane-3	5.941	5.117	379.1E6	1885.9E6	500.000	500.000
26)	Chlordane-4	6.026	5.181	458.8E6	1625.9E6	500.000	500.000
27)	Chlordane-5	6.865	6.081	74238996	730.3E6	500.000	500.000

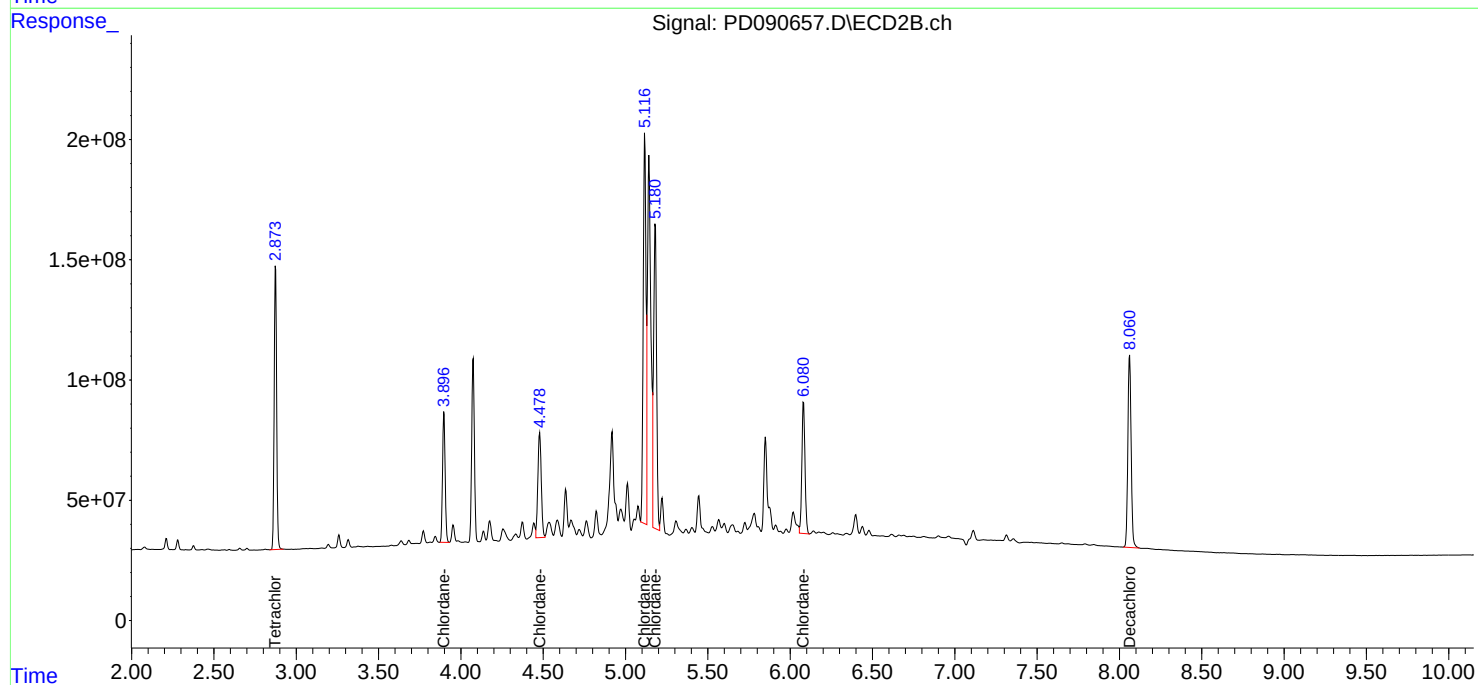
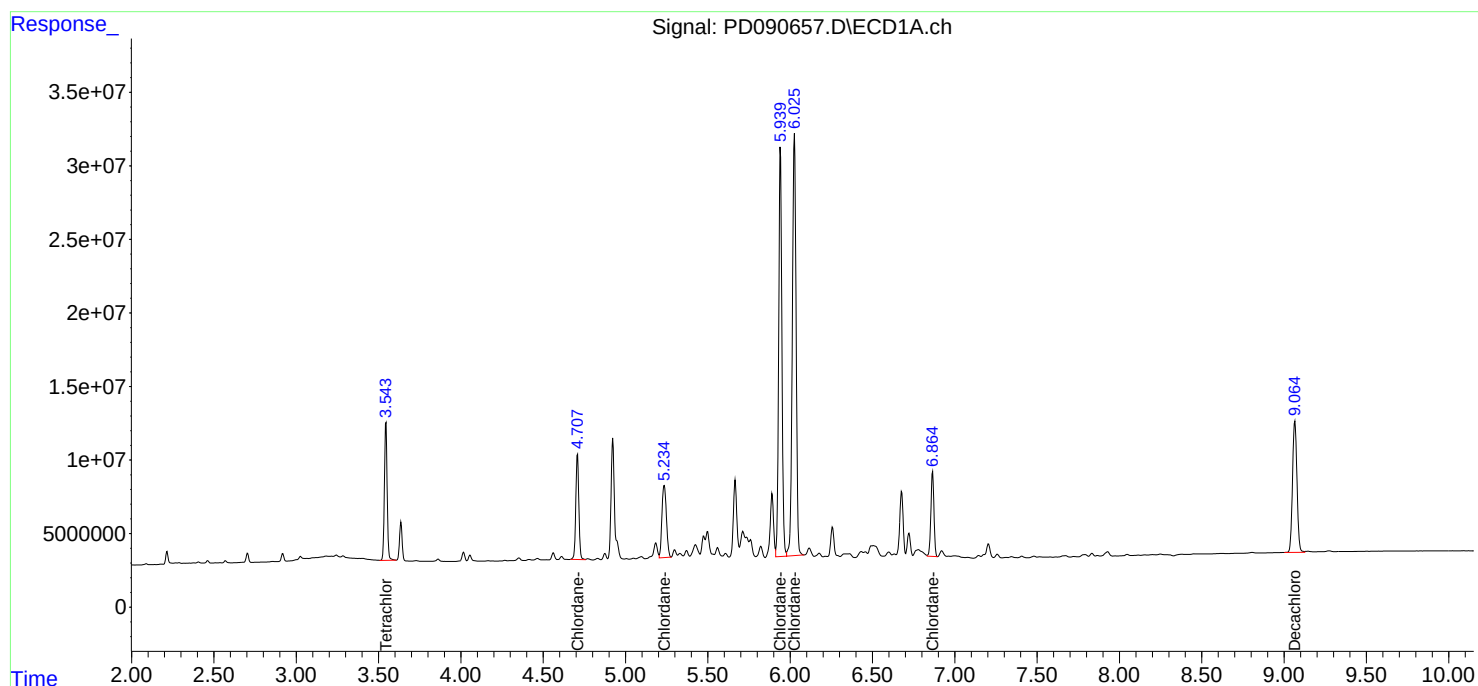
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

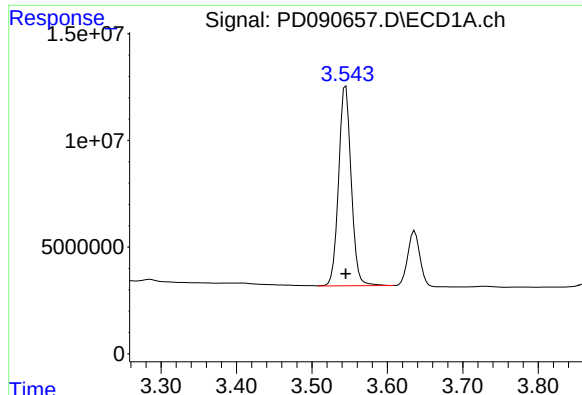
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:09
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 13:49:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 13:48:57 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

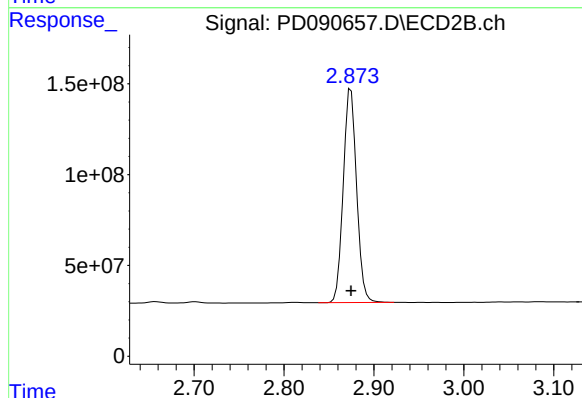




#1 Tetrachloro-m-xylene

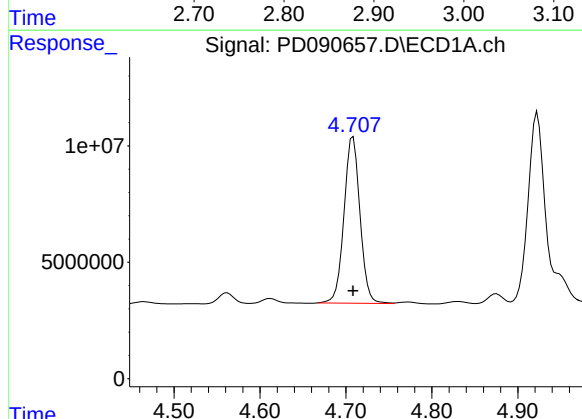
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 108758097
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



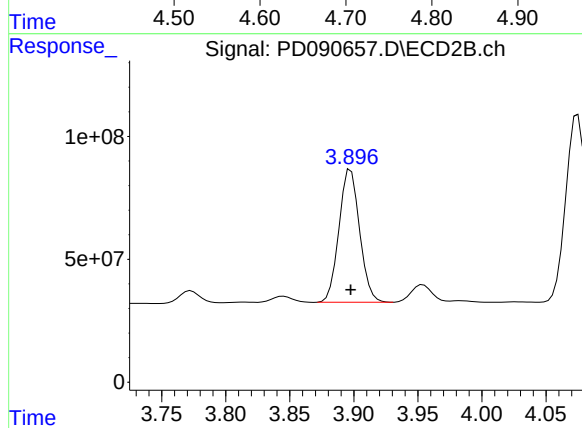
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1214996007
Conc: 50.00 ng/ml



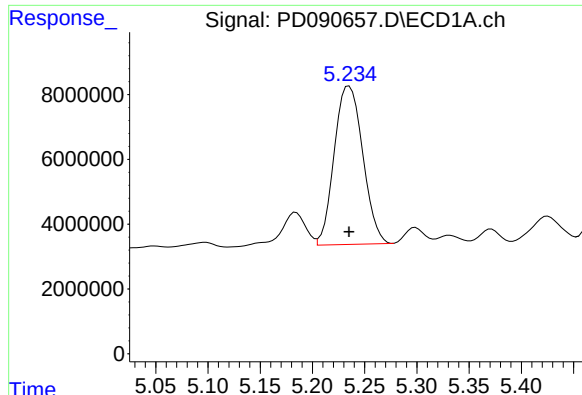
#23 Chlordane-1

R.T.: 4.708 min
Delta R.T.: 0.000 min
Response: 92608674
Conc: 500.00 ng/ml



#23 Chlordane-1

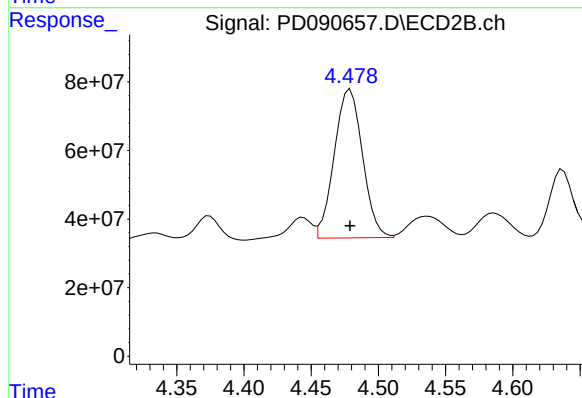
R.T.: 3.898 min
Delta R.T.: 0.000 min
Response: 605185458
Conc: 500.00 ng/ml



#24 Chlordane-2

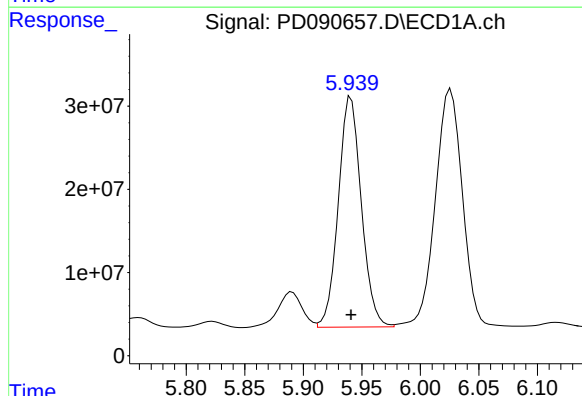
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 92865500
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



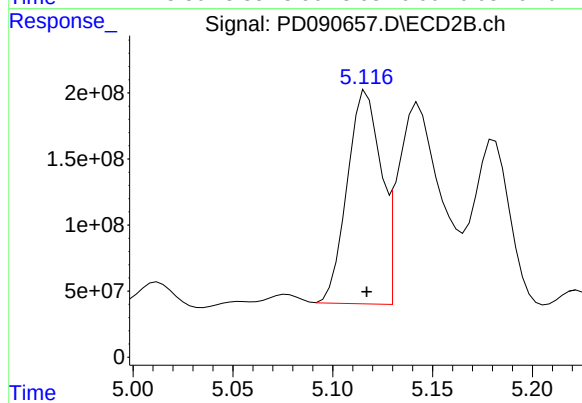
#24 Chlordane-2

R.T.: 4.479 min
Delta R.T.: 0.000 min
Response: 631892083
Conc: 500.00 ng/ml



#25 Chlordane-3

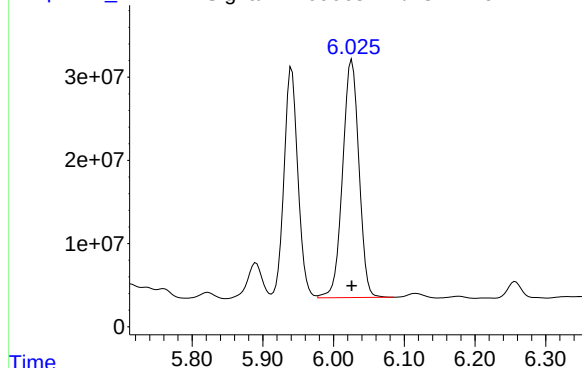
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 379095261
Conc: 500.00 ng/ml



#25 Chlordane-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 1885915535
Conc: 500.00 ng/ml

Response_ Signal: PD090657.D\ECD1A.ch

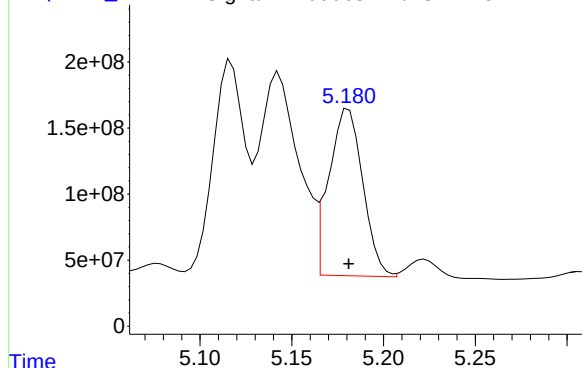


#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 458791566
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

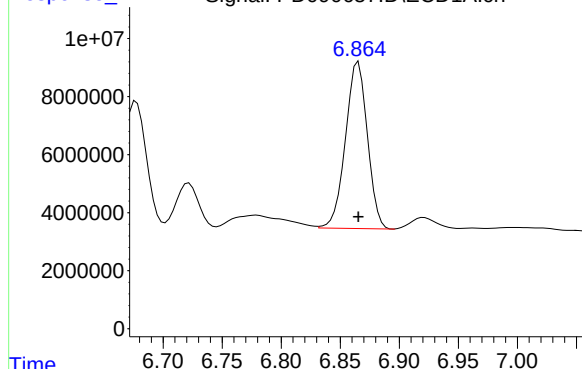
Time Response_ Signal: PD090657.D\ECD2B.ch



#26 Chlordane-4

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1625937453
Conc: 500.00 ng/ml

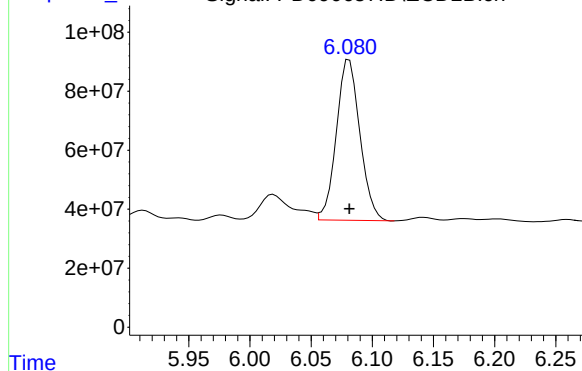
Time Response_ Signal: PD090657.D\ECD1A.ch



#27 Chlordane-5

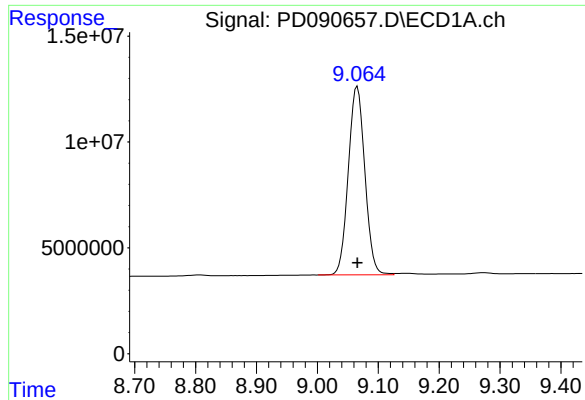
R.T.: 6.865 min
Delta R.T.: 0.000 min
Response: 74238996
Conc: 500.00 ng/ml

Time Response_ Signal: PD090657.D\ECD2B.ch



#27 Chlordane-5

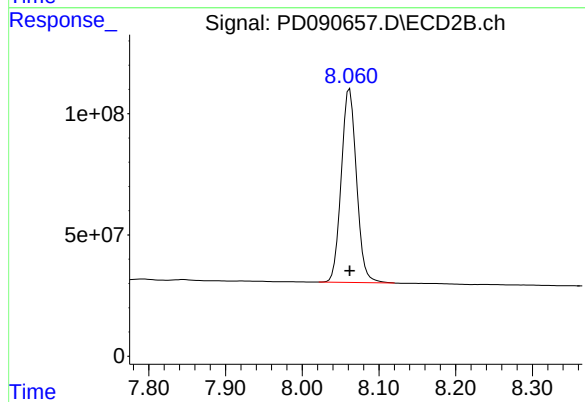
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 730253582
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 167755700
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 1105630741
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090662.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 14:17
 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: Oct 17 14:36:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:35:49 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...	3.545	2.875	149.0E6	1451.5E6	50.000	50.000
7)	SA Decachlor...	9.066	8.062	225.6E6	1489.1E6	50.000	50.000
Target Compounds							
2)	Toxaphene-1	6.236	5.466	16282219	131.9E6	500.000	500.000
3)	Toxaphene-2	6.436	5.638	24310877	88280081	500.000	500.000
4)	Toxaphene-3	7.143	6.745	42855293	329.4E6	500.000	500.000
5)	Toxaphene-4	7.558	7.189	47868684	247.6E6	500.000	500.000
6)	Toxaphene-5	7.923	7.320	30240231	123.0E6	500.000	500.000

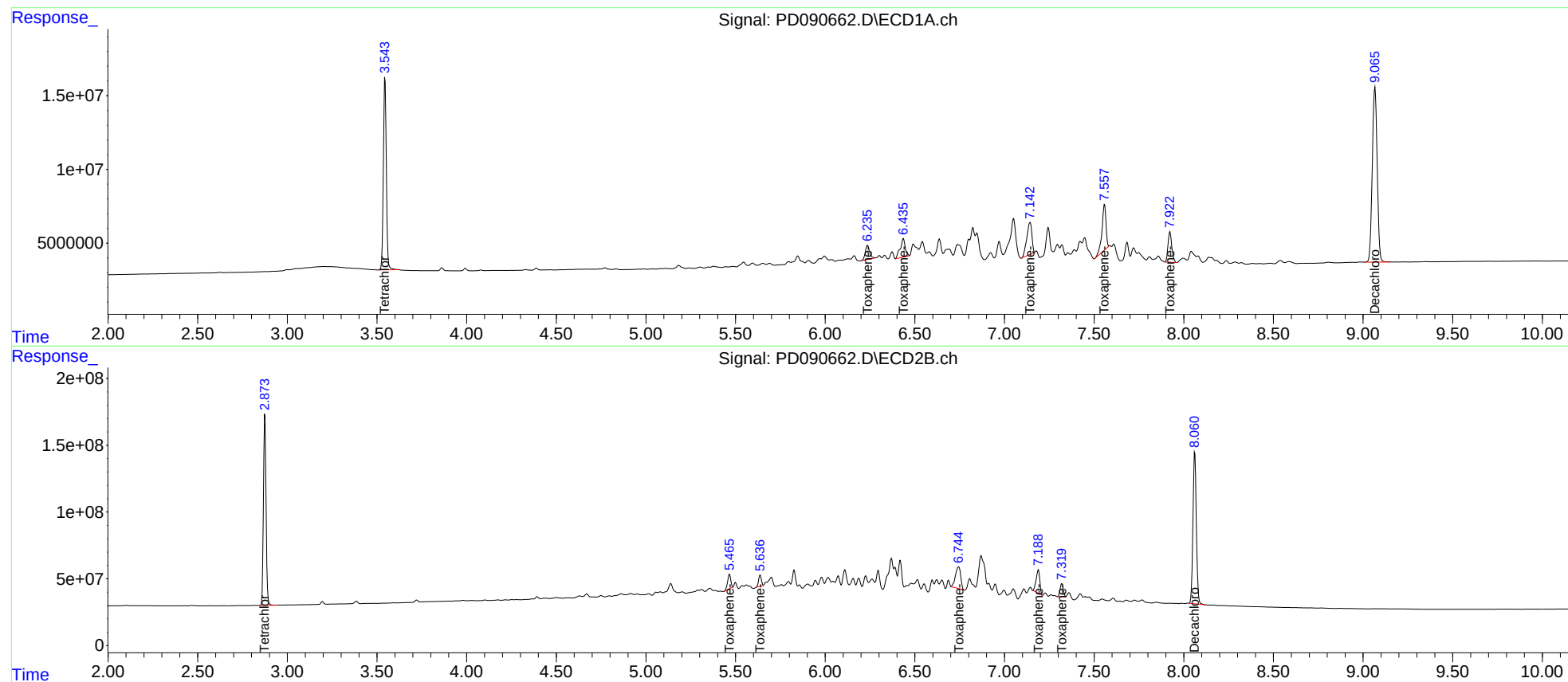
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

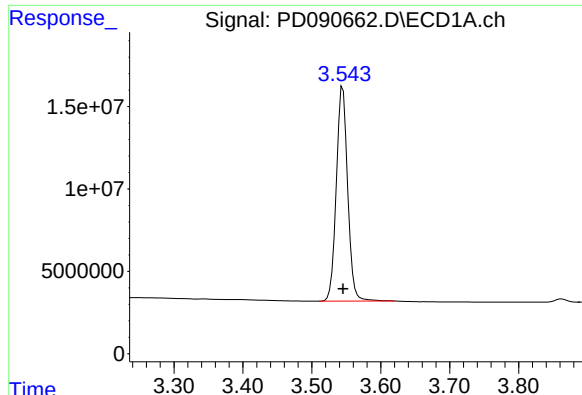
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:17
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:36:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:35:49 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

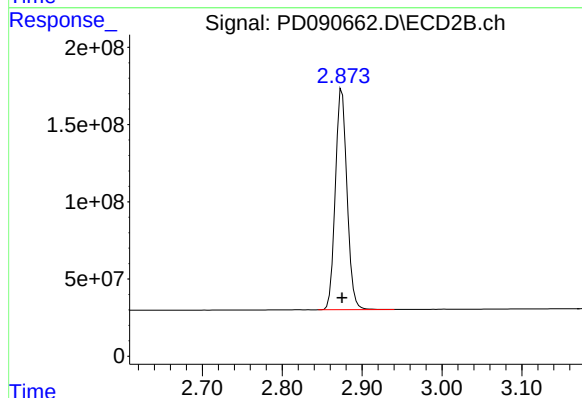




#1 Tetrachloro-m-xylene

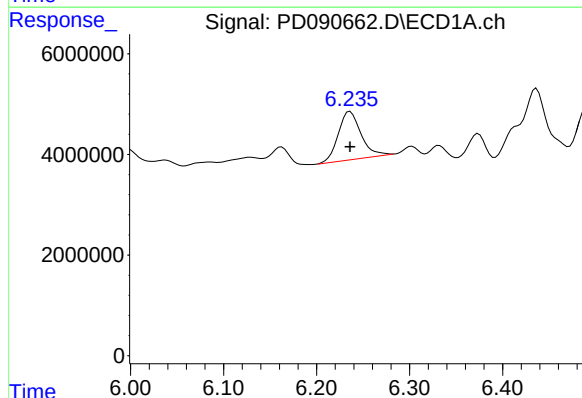
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 149025126
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



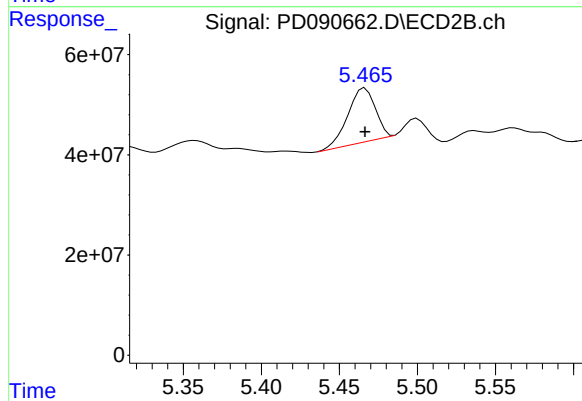
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1451452961
Conc: 50.00 ng/ml



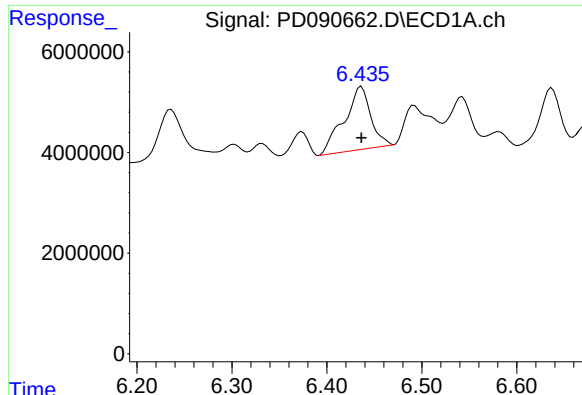
#2 Toxaphene-1

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 16282219
Conc: 500.00 ng/ml



#2 Toxaphene-1

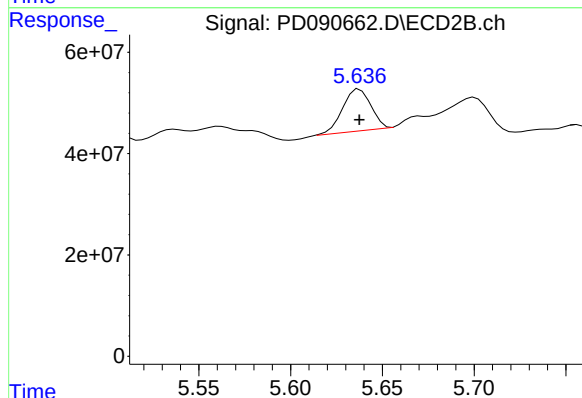
R.T.: 5.466 min
Delta R.T.: 0.000 min
Response: 131850816
Conc: 500.00 ng/ml



#3 Toxaphene-2

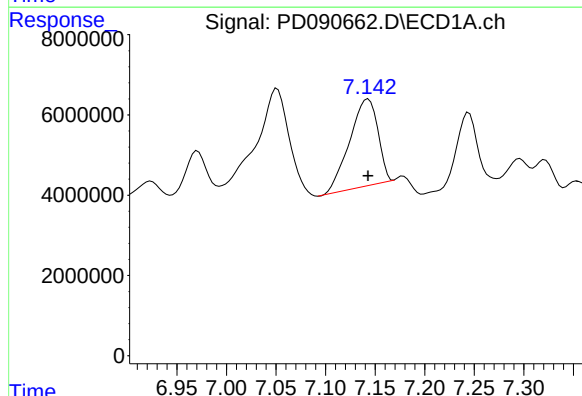
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 24310877
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



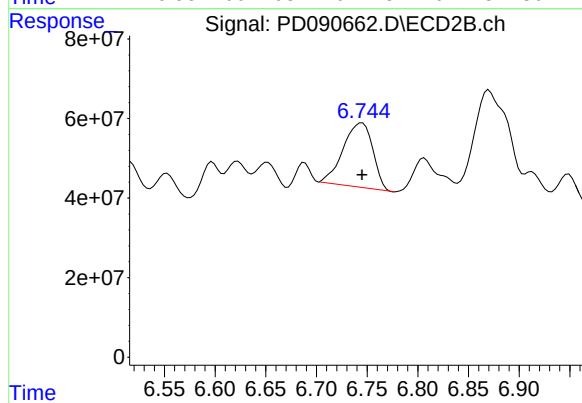
#3 Toxaphene-2

R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 88280081
Conc: 500.00 ng/ml



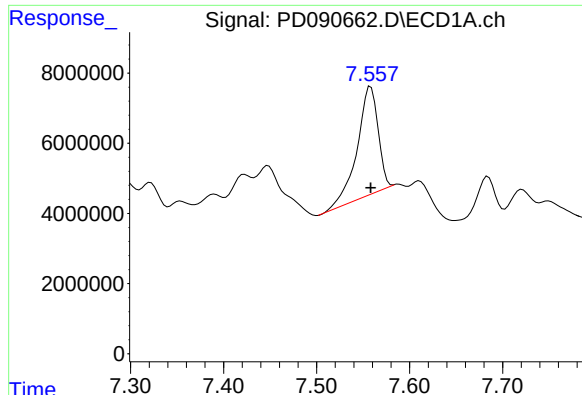
#4 Toxaphene-3

R.T.: 7.143 min
Delta R.T.: 0.000 min
Response: 42855293
Conc: 500.00 ng/ml



#4 Toxaphene-3

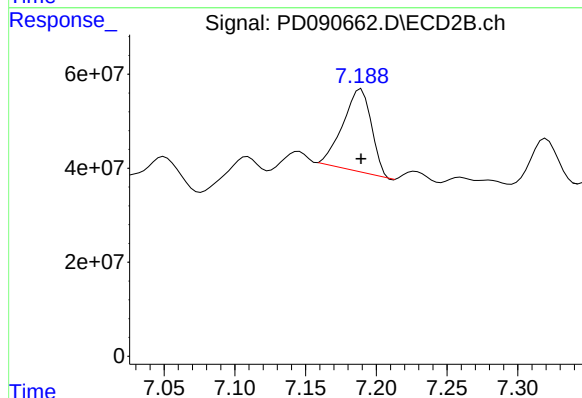
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 329441315
Conc: 500.00 ng/ml



#5 Toxaphene-4

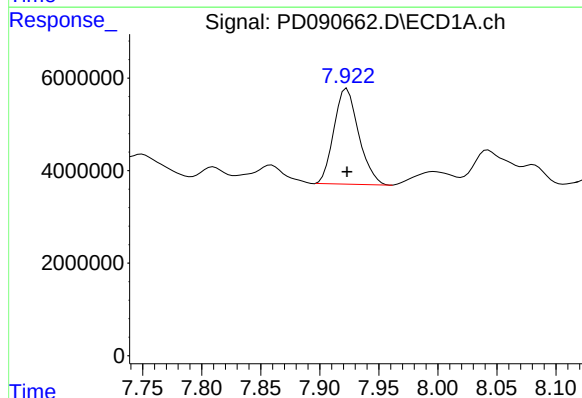
R.T.: 7.558 min
Delta R.T.: 0.000 min
Response: 47868684
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



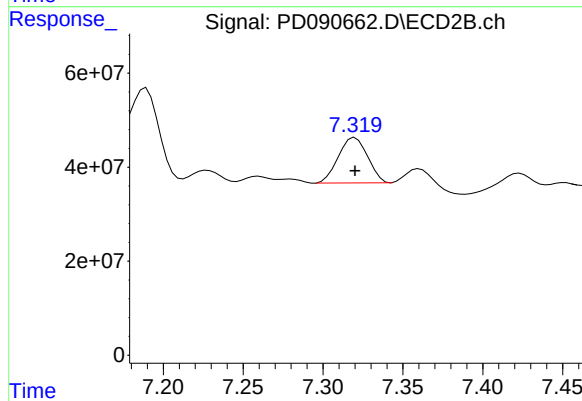
#5 Toxaphene-4

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 247552187
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 30240231
Conc: 500.00 ng/ml



#6 Toxaphene-5

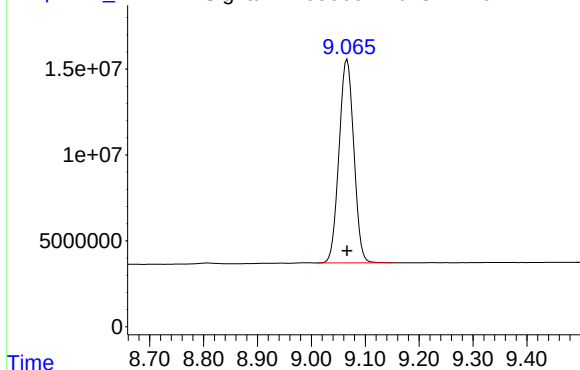
R.T.: 7.320 min
Delta R.T.: 0.000 min
Response: 123016477
Conc: 500.00 ng/ml

Response_

Signal: PD090662.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 225576698
Conc: 50.00 ng/ml

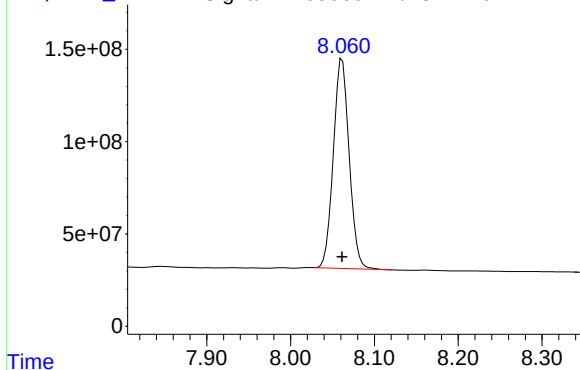
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Time

Response_

Signal: PD090662.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 1489074983
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090665.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 16:46
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD101725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 17:27:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 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...	3.544	2.874	153.7E6	1464.9E6	49.347	49.195
28)	SA Decachlor...	9.065	8.062	232.3E6	1556.2E6	49.651	51.373
Target Compounds							
2)	A alpha-BHC	3.993	3.386	368.9E6	2547.7E6	51.395	49.860
3)	MA gamma-BHC...	4.325	3.722	346.1E6	2351.4E6	50.913	49.766
4)	MA Heptachlor	4.923	4.074	269.7E6	2210.7E6	48.243	49.564
5)	MB Aldrin	5.264	4.360	332.4E6	2302.8E6	50.770	49.716
6)	B beta-BHC	4.512	4.018	128.8E6	974.3E6	49.166	49.134
7)	B delta-BHC	4.760	4.255	343.7E6	2372.2E6	50.832	49.714
8)	B Heptachlo...	5.684	4.864	292.1E6	2073.7E6	50.455	48.633
9)	A Endosulfan I	6.068	5.238	276.7E6	1960.5E6	49.982	49.772
10)	B gamma-Chl...	5.940	5.117	297.4E6	2236.0E6	50.146	49.745
11)	B alpha-Chl...	6.020	5.181	299.6E6	2144.4E6	48.473	49.711
12)	B 4,4'-DDE	6.190	5.366	269.1E6	2179.5E6	50.526	49.716
13)	MA Dieldrin	6.341	5.503	295.7E6	2209.3E6	50.705	50.003
14)	MA Endrin	6.568	5.780	251.8E6	2041.8E6	50.824	50.421
15)	B Endosulfa...	6.781	6.072	251.4E6	1876.1E6	50.275	49.956
16)	A 4,4'-DDD	6.701	5.920	206.7E6	1821.0E6	50.990	49.977
17)	MA 4,4'-DDT	7.016	6.174	206.8E6	1798.7E6	50.320	51.285
18)	B Endrin al...	6.910	6.250	184.2E6	1401.3E6	50.283	50.600
19)	B Endosulfa...	7.144	6.474	231.2E6	1809.0E6	49.837	50.467
20)	A Methoxychlor	7.489	6.745	104.2E6	890.1E6	48.999	51.076
21)	B Endrin ke...	7.625	6.983	242.9E6	1911.1E6	49.982	50.668
22)	Mirex	8.108	7.176	158.1E6	1294.5E6	49.394	50.389

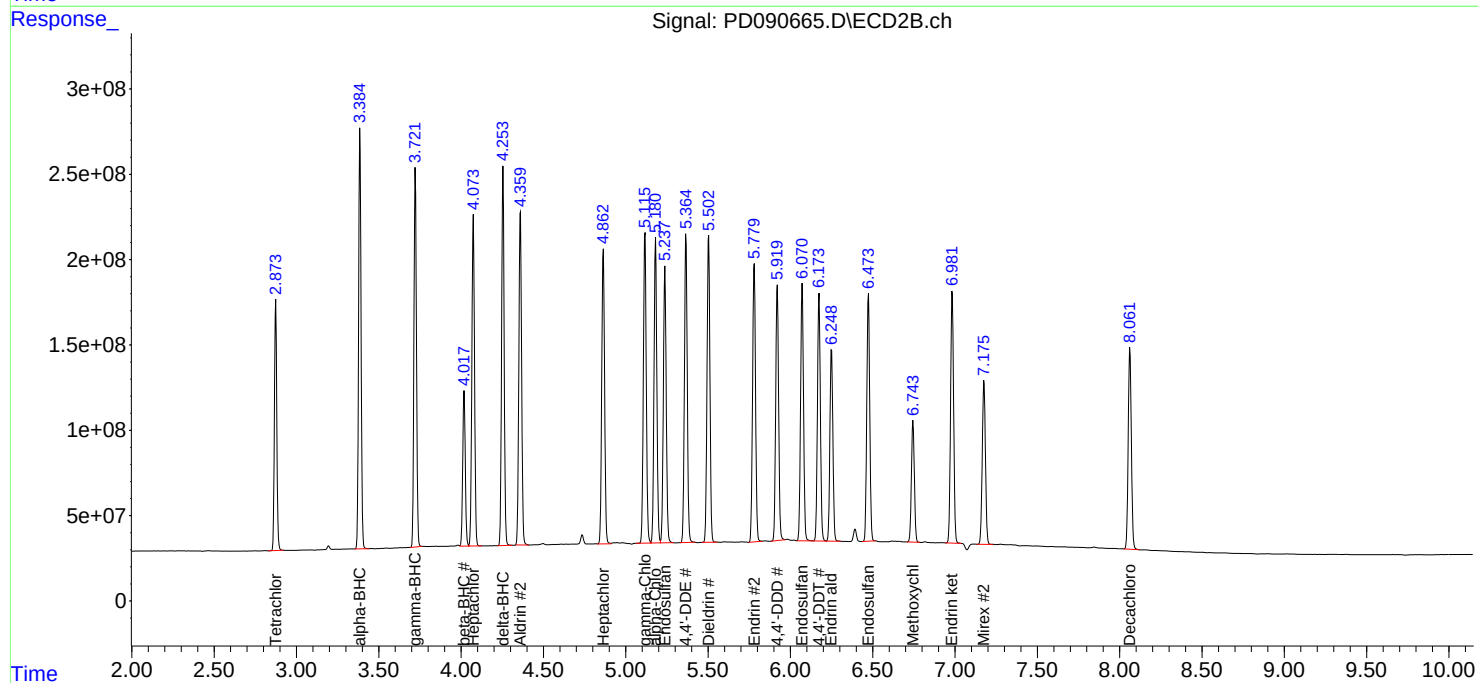
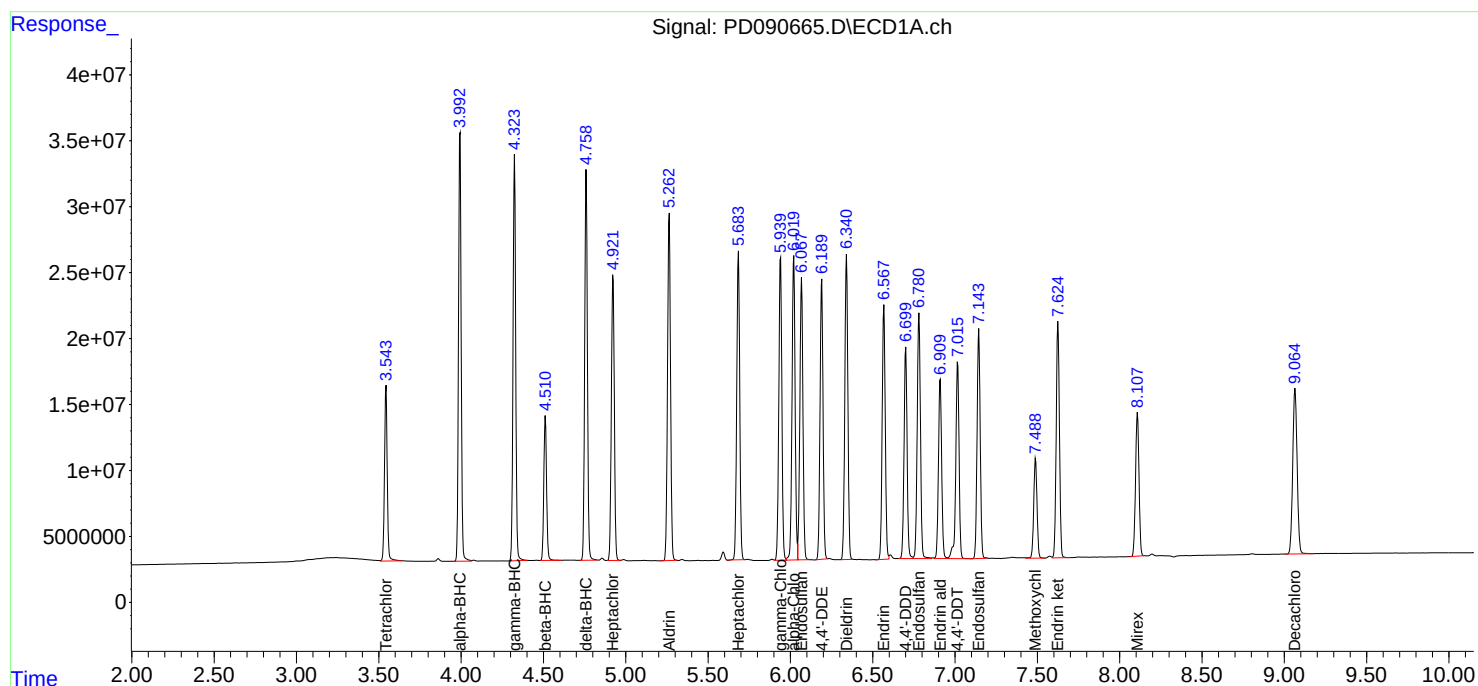
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

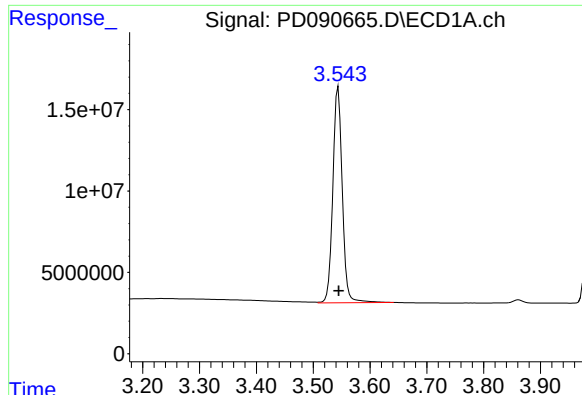
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090665.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 16:46
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD101725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 17:27:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 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

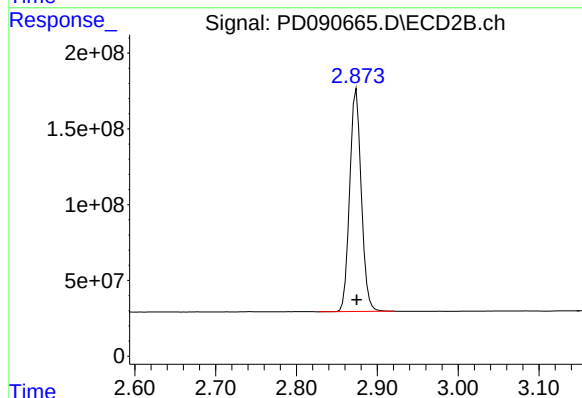




#1 Tetrachloro-m-xylene

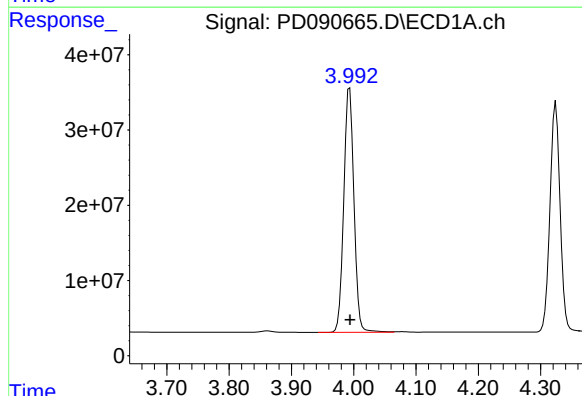
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 153674114
Conc: 49.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



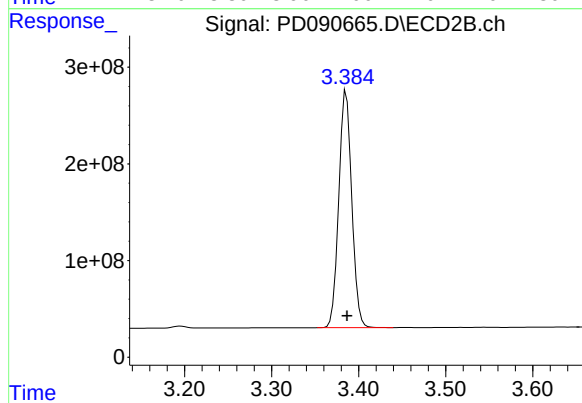
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1464875316
Conc: 49.19 ng/ml



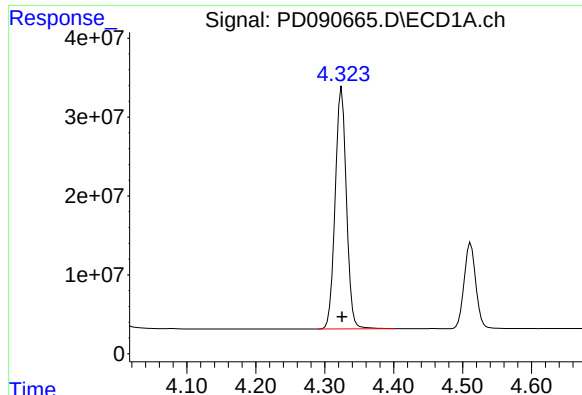
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 368866522
Conc: 51.39 ng/ml



#2 alpha-BHC

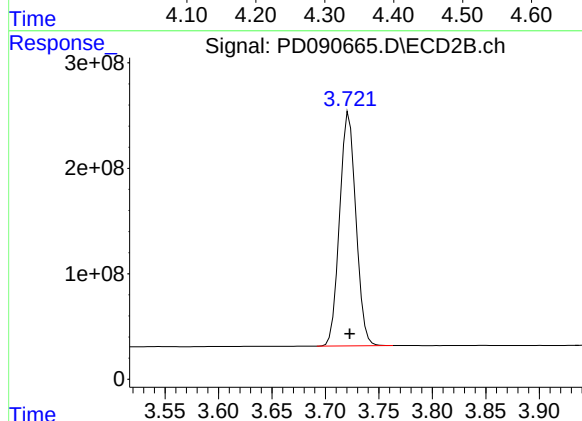
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2547652740
Conc: 49.86 ng/ml



#3 gamma-BHC (Lindane)

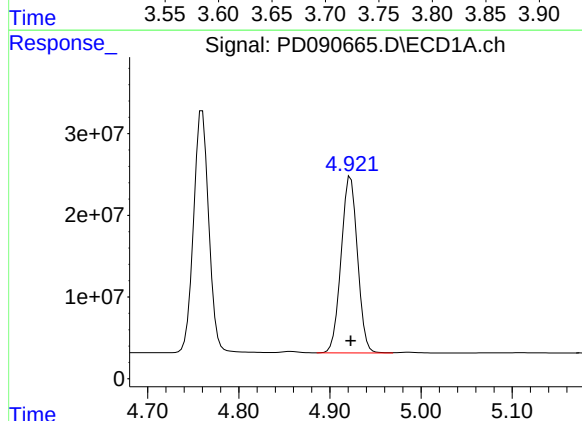
R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 346148511
Conc: 50.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



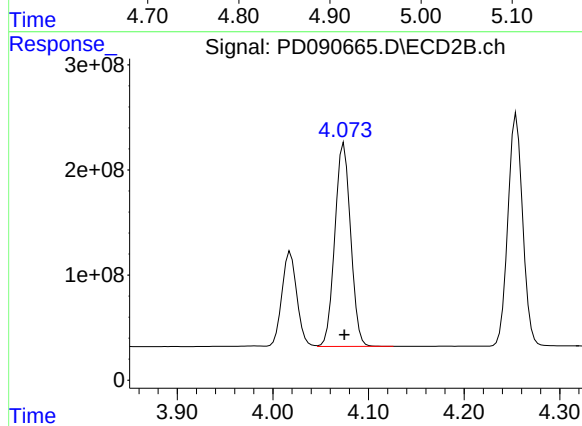
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2351401356
Conc: 49.77 ng/ml



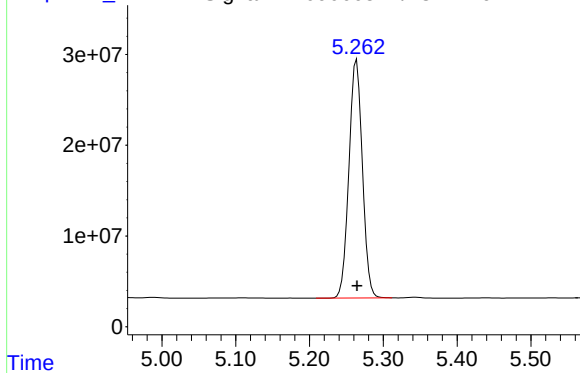
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 269655012
Conc: 48.24 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2210699675
Conc: 49.56 ng/ml



R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 332404308
Conc: 50.77 ng/ml

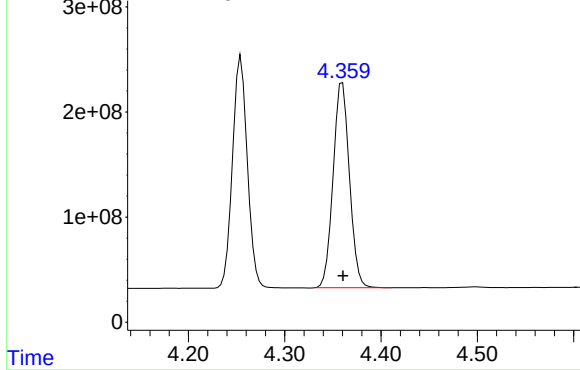
Instrument :
ECD_D
ClientSampleId :
ICVPD101725

Time

Response

Signal: PD090665.D\ECD2B.ch

#5 Aldrin



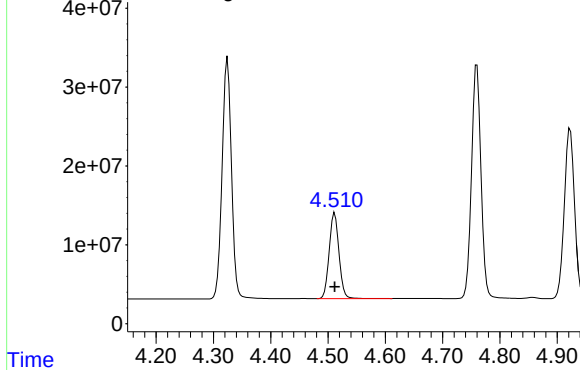
R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2302805919
Conc: 49.72 ng/ml

Time

Response

Signal: PD090665.D\ECD1A.ch

#6 beta-BHC



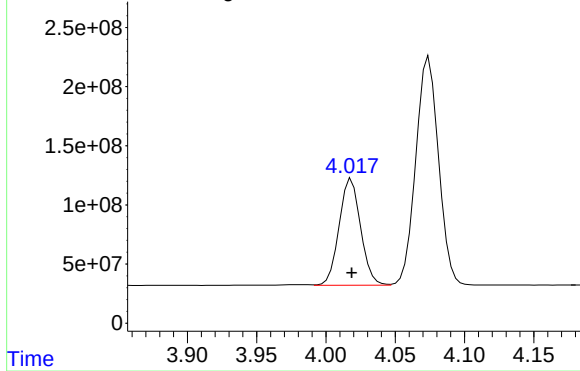
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 128796459
Conc: 49.17 ng/ml

Time

Response

Signal: PD090665.D\ECD2B.ch

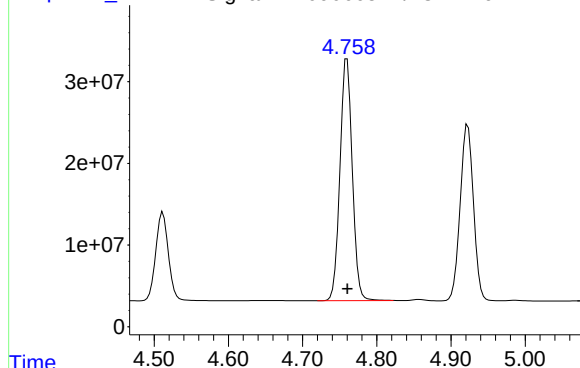
#6 beta-BHC



R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 974305644
Conc: 49.13 ng/ml

Time

Response_ Signal: PD090665.D\ECD1A.ch

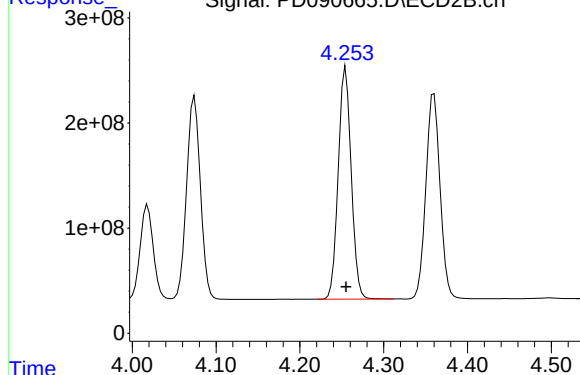


#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 343712775
Conc: 50.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725

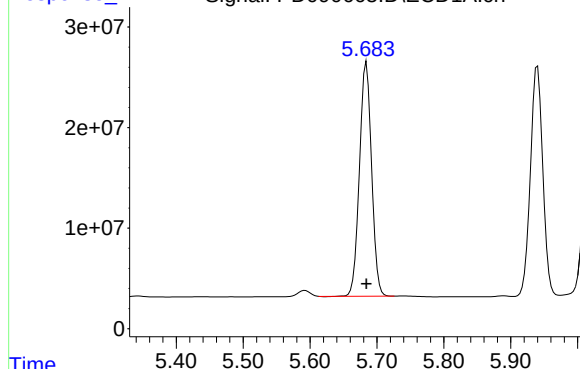
Time Response_ Signal: PD090665.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2372178334
Conc: 49.71 ng/ml

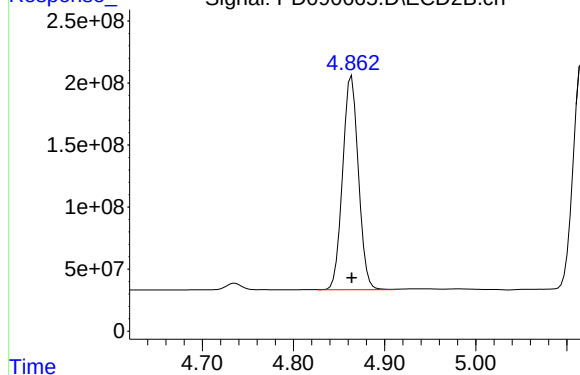
Time Response_ Signal: PD090665.D\ECD1A.ch



#8 Heptachlor epoxide

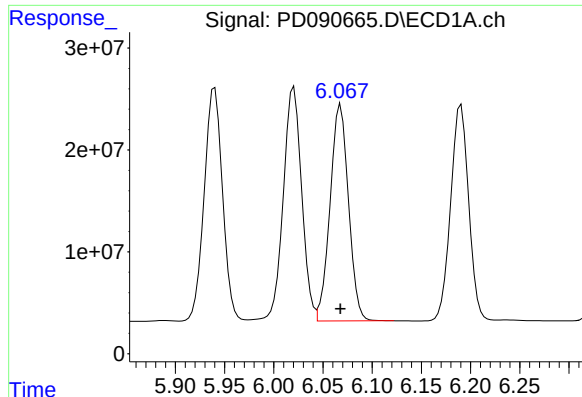
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 292086915
Conc: 50.45 ng/ml

Time Response_ Signal: PD090665.D\ECD2B.ch



#8 Heptachlor epoxide

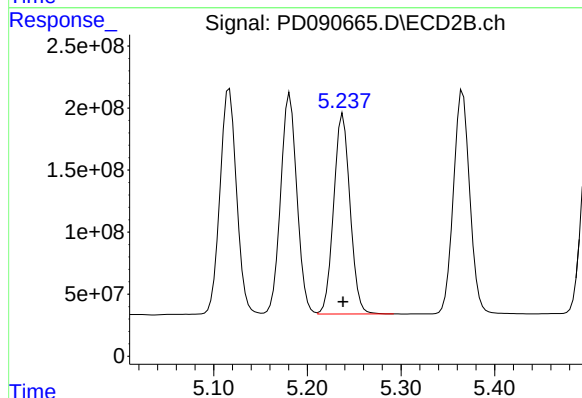
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2073663307
Conc: 48.63 ng/ml



#9 Endosulfan I

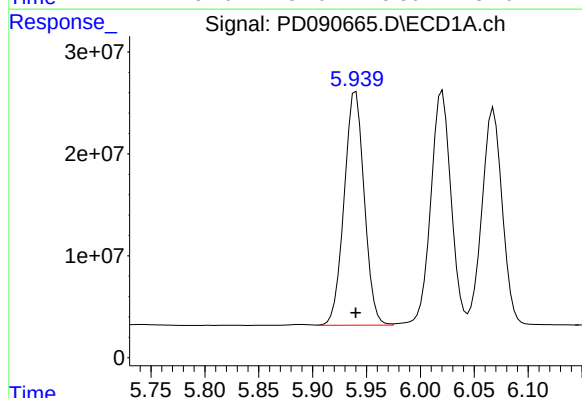
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 276731064
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



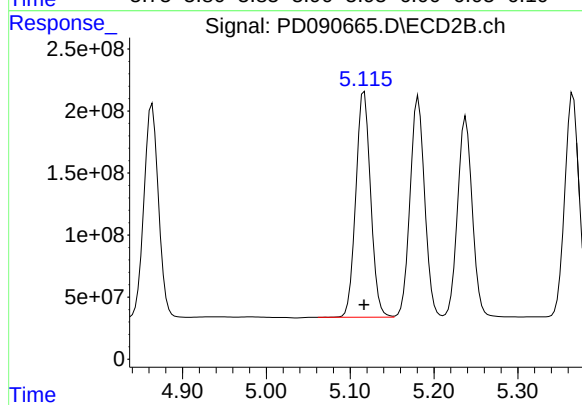
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1960516174
Conc: 49.77 ng/ml



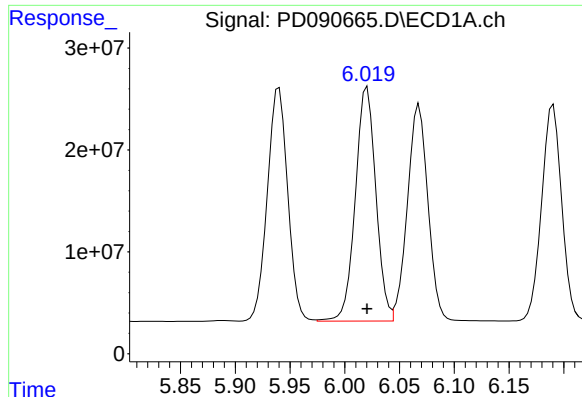
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 297423108
Conc: 50.15 ng/ml



#10 gamma-Chlordane

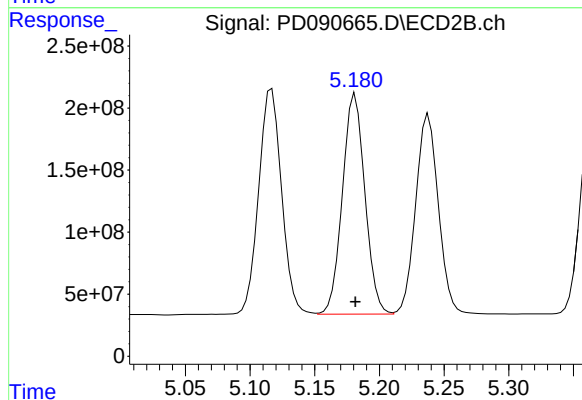
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2235964406
Conc: 49.74 ng/ml



#11 alpha-Chlordane

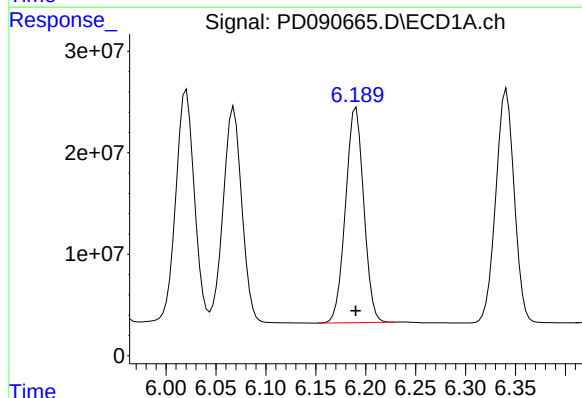
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 299573543
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



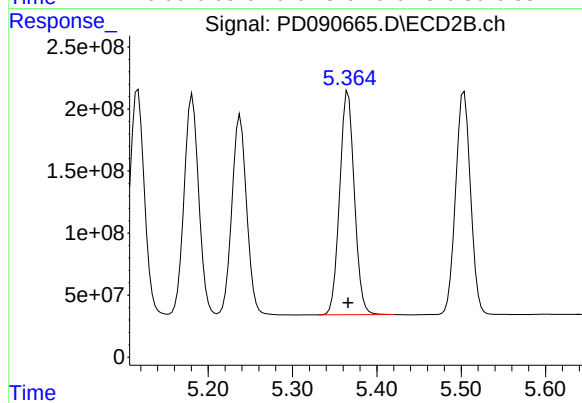
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2144431564
Conc: 49.71 ng/ml



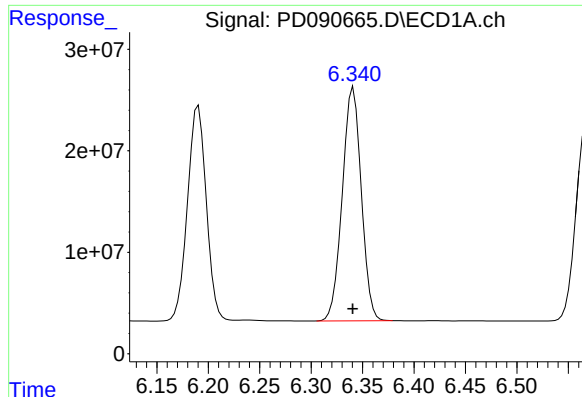
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 269131461
Conc: 50.53 ng/ml



#12 4,4'-DDE

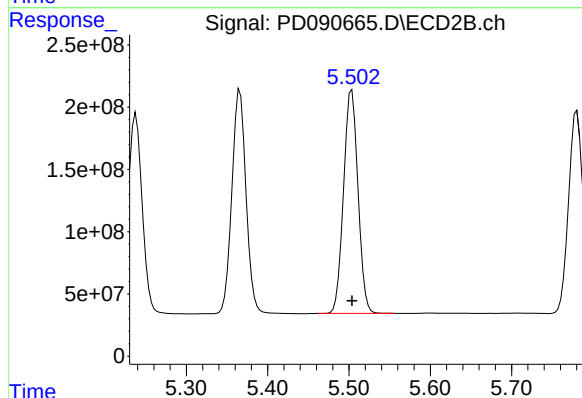
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2179474893
Conc: 49.72 ng/ml



#13 Dieldrin

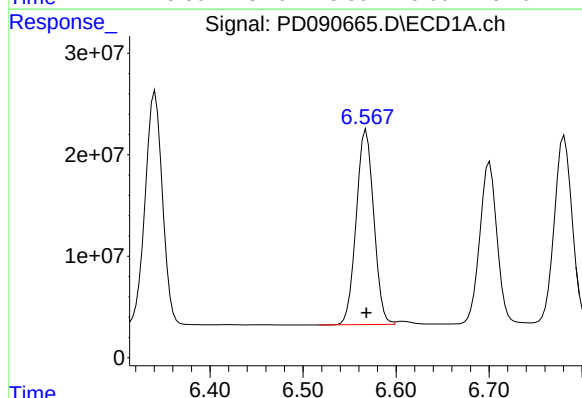
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 295678653
Conc: 50.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



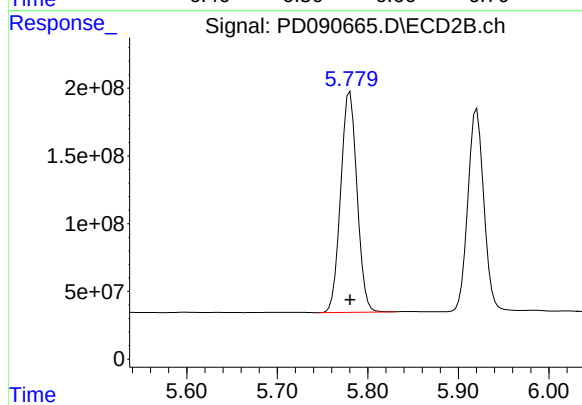
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2209322407
Conc: 50.00 ng/ml



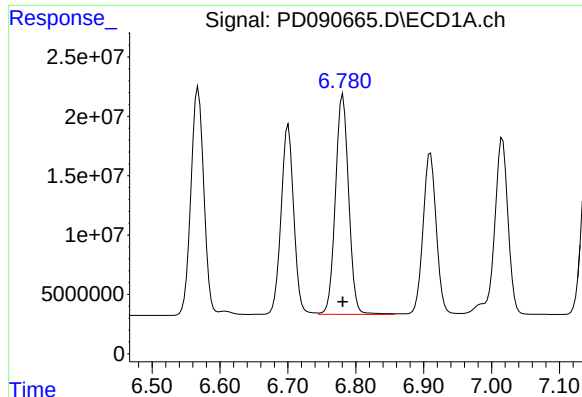
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 251765100
Conc: 50.82 ng/ml



#14 Endrin

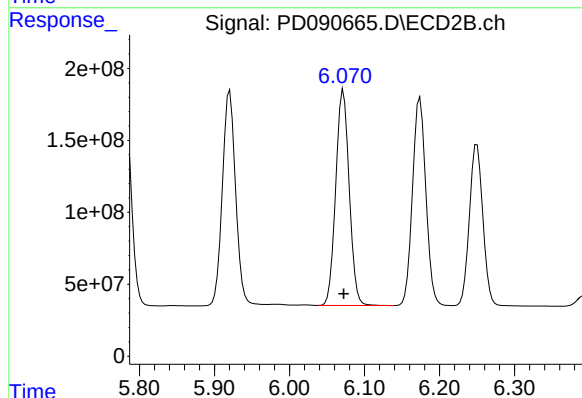
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2041761986
Conc: 50.42 ng/ml



#15 Endosulfan II

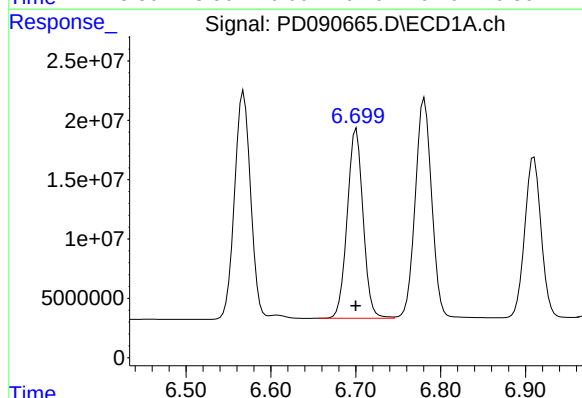
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 251374054
Conc: 50.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



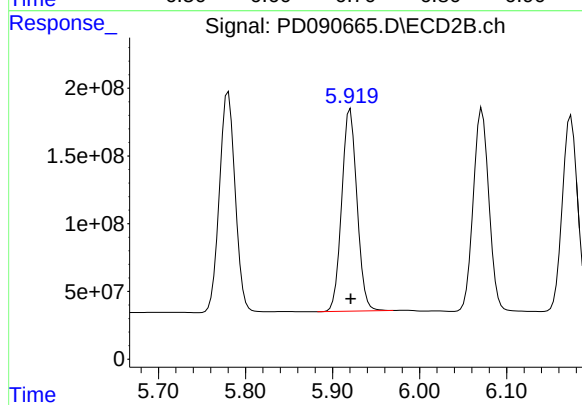
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1876116999
Conc: 49.96 ng/ml



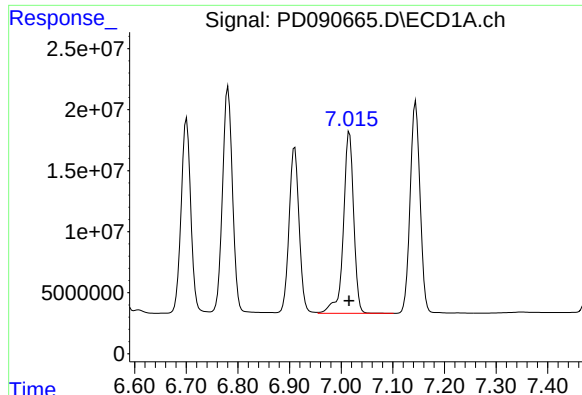
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 206725943
Conc: 50.99 ng/ml



#16 4,4'-DDD

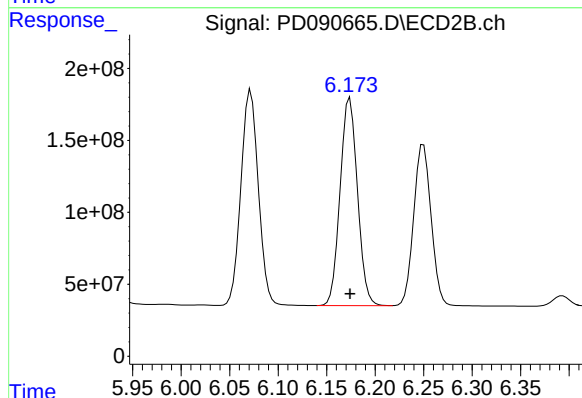
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1821049286
Conc: 49.98 ng/ml



#17 4,4'-DDT

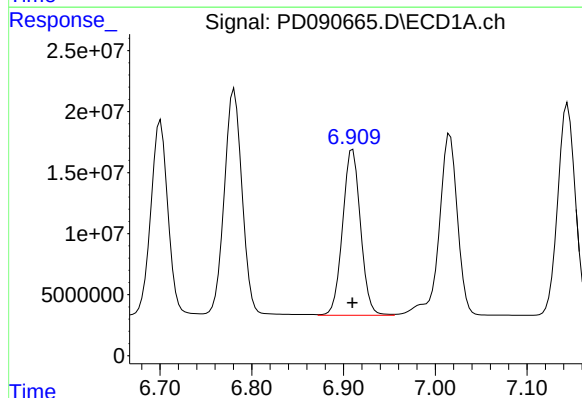
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 206839113
Conc: 50.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



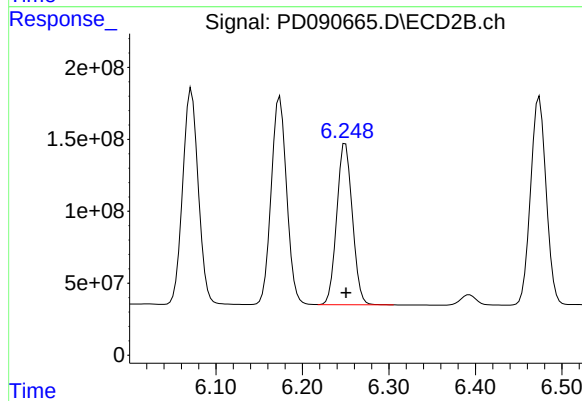
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1798730996
Conc: 51.29 ng/ml



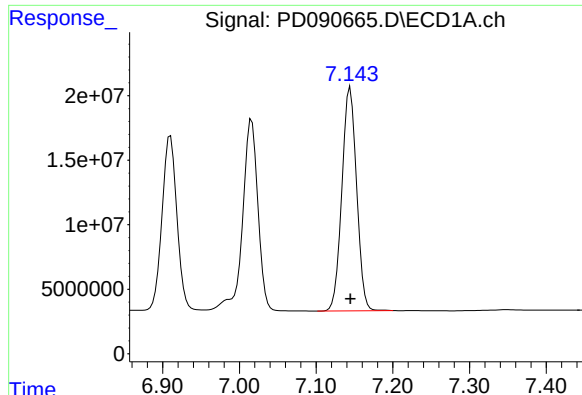
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 184171641
Conc: 50.28 ng/ml



#18 Endrin aldehyde

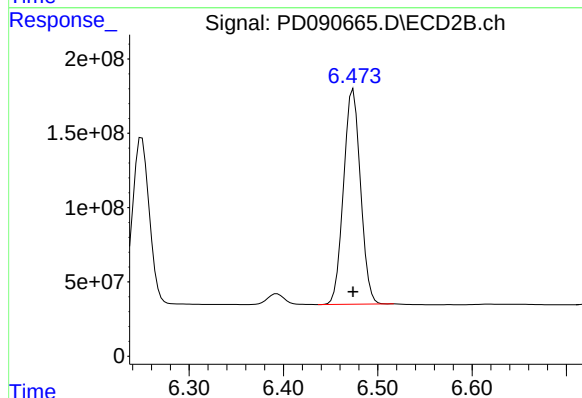
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1401255725
Conc: 50.60 ng/ml



#19 Endosulfan Sulfate

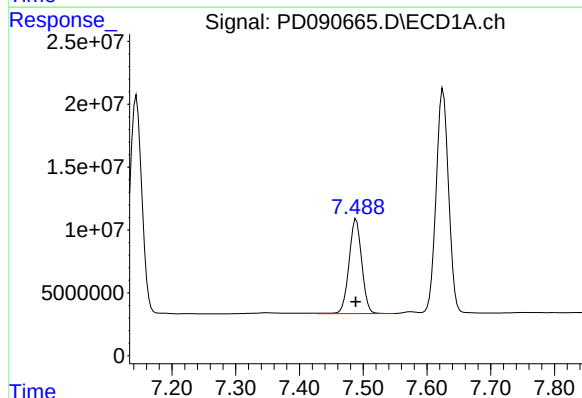
R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 231154352
Conc: 49.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



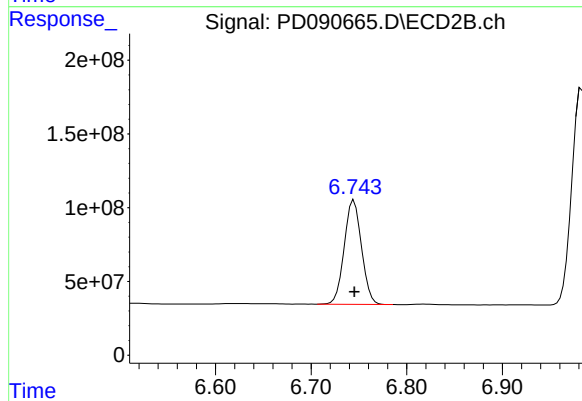
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1808994693
Conc: 50.47 ng/ml



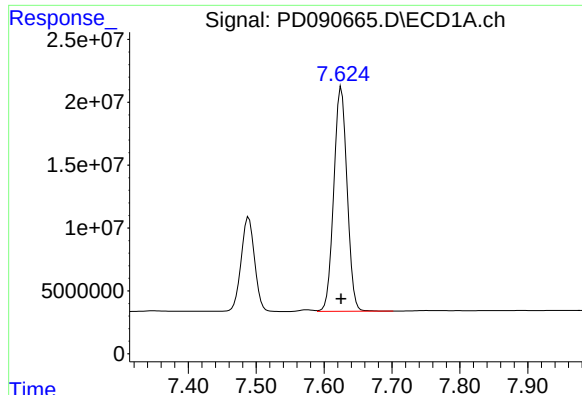
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 104150715
Conc: 49.00 ng/ml



#20 Methoxychlor

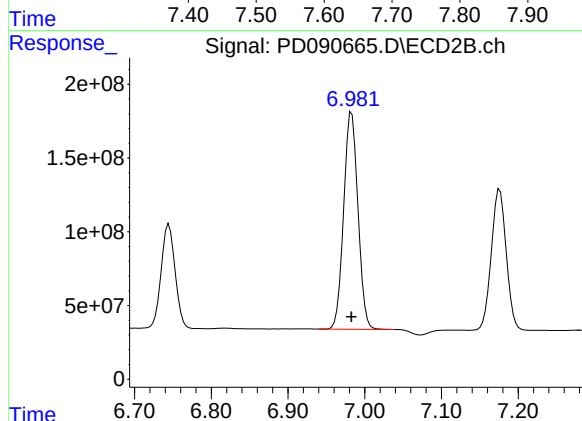
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 890144630
Conc: 51.08 ng/ml



#21 Endrin ketone

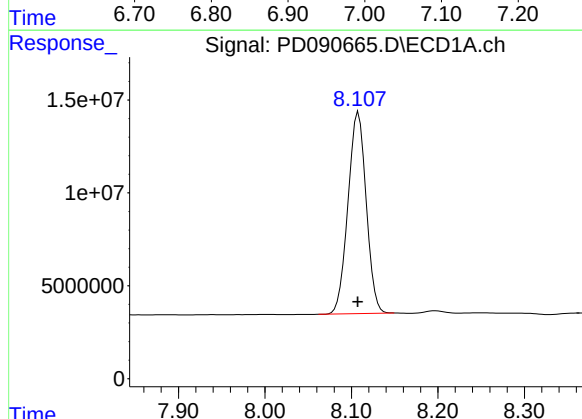
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 242853020
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



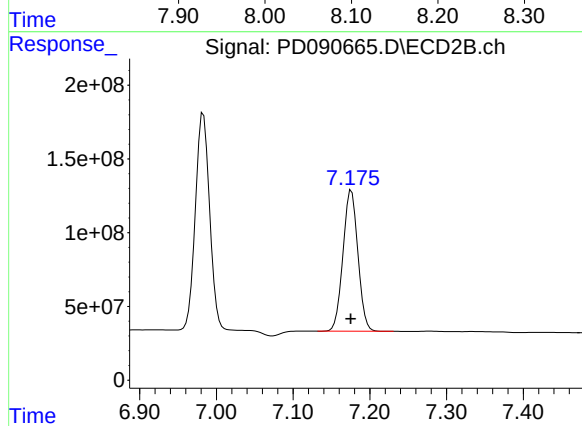
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1911076638
Conc: 50.67 ng/ml



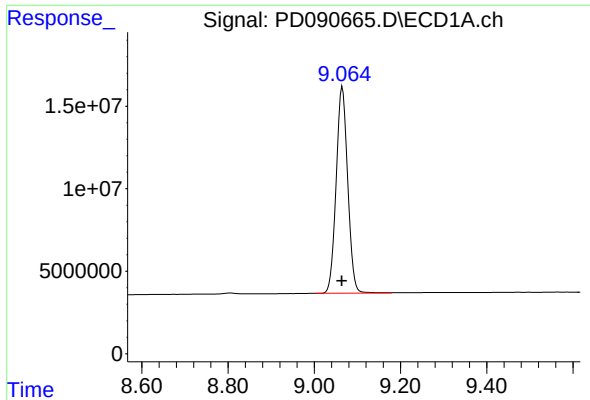
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 158102045
Conc: 49.39 ng/ml



#22 Mirex

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1294533618
Conc: 50.39 ng/ml



#28 Decachlorobiphenyl

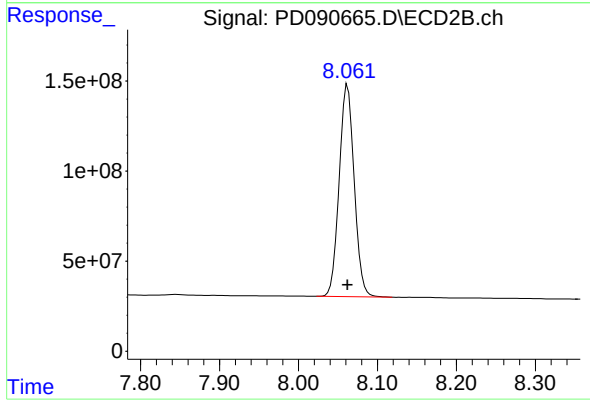
R.T.: 9.065 min

Delta R.T.: 0.000 min

Response: 232264787

Conc: 49.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



#28 Decachlorobiphenyl

R.T.: 8.062 min

Delta R.T.: 0.000 min

Response: 1556154030

Conc: 51.37 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 10:24

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.01	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 10:24

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090810.D **Time Analyzed:** 10:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.699	6.600	6.800	55.380	50.000	10.8
4,4'-DDE	6.189	6.090	6.290	50.030	50.000	0.1
4,4'-DDT	7.014	6.915	7.115	50.520	50.000	1.0
Aldrin	5.263	5.164	5.364	51.550	50.000	3.1
alpha-BHC	3.993	3.894	4.094	51.540	50.000	3.1
alpha-Chlordane	6.020	5.921	6.121	51.380	50.000	2.8
beta-BHC	4.511	4.412	4.612	49.860	50.000	-0.3
Decachlorobiphenyl	9.063	8.964	9.164	48.730	50.000	-2.5
delta-BHC	4.760	4.660	4.860	51.520	50.000	3.0
Dieldrin	6.340	6.240	6.440	55.800	50.000	11.6
Endosulfan I	6.067	5.968	6.168	51.320	50.000	2.6
Endosulfan II	6.778	6.681	6.881	49.740	50.000	-0.5
Endosulfan sulfate	7.143	7.045	7.245	50.570	50.000	1.1
Endrin	6.567	6.468	6.668	50.080	50.000	0.2
Endrin aldehyde	6.909	6.810	7.010	52.370	50.000	4.7
Endrin ketone	7.623	7.525	7.725	52.490	50.000	5.0
gamma-BHC (Lindane)	4.324	4.225	4.425	51.120	50.000	2.2
gamma-Chlordane	5.938	5.840	6.040	50.750	50.000	1.5
Heptachlor	4.922	4.823	5.023	59.240	50.000	18.5
Heptachlor epoxide	5.684	5.584	5.784	52.170	50.000	4.3
Methoxychlor	7.487	7.388	7.588	48.960	50.000	-2.1
Tetrachloro-m-xylene	3.544	3.445	3.645	49.610	50.000	-0.8



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090810.D **Time Analyzed:** 10:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	52.590	50.000	5.2
4,4'-DDE	5.364	5.266	5.466	51.080	50.000	2.2
4,4'-DDT	6.172	6.074	6.274	50.520	50.000	1.0
Aldrin	4.358	4.261	4.461	49.660	50.000	-0.7
alpha-BHC	3.385	3.287	3.487	49.840	50.000	-0.3
alpha-Chlordane	5.179	5.081	5.281	50.210	50.000	0.4
beta-BHC	4.017	3.919	4.119	48.770	50.000	-2.5
Decachlorobiphenyl	8.059	7.962	8.162	55.840	50.000	11.7
delta-BHC	4.253	4.155	4.355	50.140	50.000	0.3
Dieldrin	5.502	5.404	5.604	50.560	50.000	1.1
Endosulfan I	5.236	5.138	5.338	46.190	50.000	-7.6
Endosulfan II	6.070	5.972	6.172	51.500	50.000	3.0
Endosulfan sulfate	6.472	6.374	6.574	51.430	50.000	2.9
Endrin	5.779	5.681	5.881	49.400	50.000	-1.2
Endrin aldehyde	6.249	6.150	6.350	51.900	50.000	3.8
Endrin ketone	6.980	6.883	7.083	54.440	50.000	8.9
gamma-BHC (Lindane)	3.721	3.623	3.823	51.130	50.000	2.3
gamma-Chlordane	5.115	5.017	5.217	50.540	50.000	1.1
Heptachlor	4.073	3.975	4.175	50.250	50.000	0.5
Heptachlor epoxide	4.862	4.764	4.964	49.290	50.000	-1.4
Methoxychlor	6.743	6.645	6.845	50.170	50.000	0.3
Tetrachloro-m-xylene	2.874	2.775	2.975	49.240	50.000	-1.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090810.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 10:24
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:34:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.544	2.874	154.5E6	1466.1E6	49.606	49.236
28)	SA Decachlor...	9.063	8.059	227.9E6	1691.6E6	48.726	55.844
Target Compounds							
2)	A alpha-BHC	3.993	3.385	369.9E6	2546.4E6	51.536	49.836
3)	MA gamma-BHC...	4.324	3.721	347.6E6	2415.9E6	51.120	51.131
4)	MA Heptachlor	4.922	4.073	331.1E6	2241.2E6	59.242	50.248
5)	MB Aldrin	5.263	4.358	337.5E6	2300.3E6	51.553	49.662
6)	B beta-BHC	4.511	4.017	130.6E6	967.1E6	49.857	48.771
7)	B delta-BHC	4.760	4.253	348.4E6	2392.3E6	51.521	50.135
8)	B Heptachlo...	5.684	4.862	302.0E6	2101.9E6	52.173	49.295
9)	A Endosulfan I	6.067	5.236	284.2E6	1819.3E6	51.323	46.186
10)	B gamma-Chl...	5.938	5.115	301.0E6	2271.9E6	50.748	50.544
11)	B alpha-Chl...	6.020	5.179	317.5E6	2165.8E6	51.379	50.206
12)	B 4,4'-DDE	6.189	5.364	266.5E6	2239.4E6	50.032	51.083
13)	MA Dieldrin	6.340	5.502	325.4E6	2234.0E6	55.802	50.561
14)	MA Endrin	6.567	5.779	248.1E6	2000.4E6	50.078	49.401
15)	B Endosulfa...	6.778	6.070	248.7E6	1934.2E6	49.743m	51.504
16)	A 4,4'-DDD	6.699	5.919	224.5E6	1916.1E6	55.375	52.586
17)	MA 4,4'-DDT	7.014	6.172	207.7E6	1772.0E6	50.521	50.523
18)	B Endrin al...	6.909	6.249	191.8E6	1437.4E6	52.370	51.904
19)	B Endosulfa...	7.143	6.472	234.6E6	1843.5E6	50.572	51.430
20)	A Methoxychlor	7.487	6.743	104.1E6	874.4E6	48.960	50.175
21)	B Endrin ke...	7.623	6.980	255.0E6	2053.5E6	52.486	54.444
22)	Mirex	8.106	7.173	163.2E6	1374.6E6	50.972	53.504

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090810.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 10:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

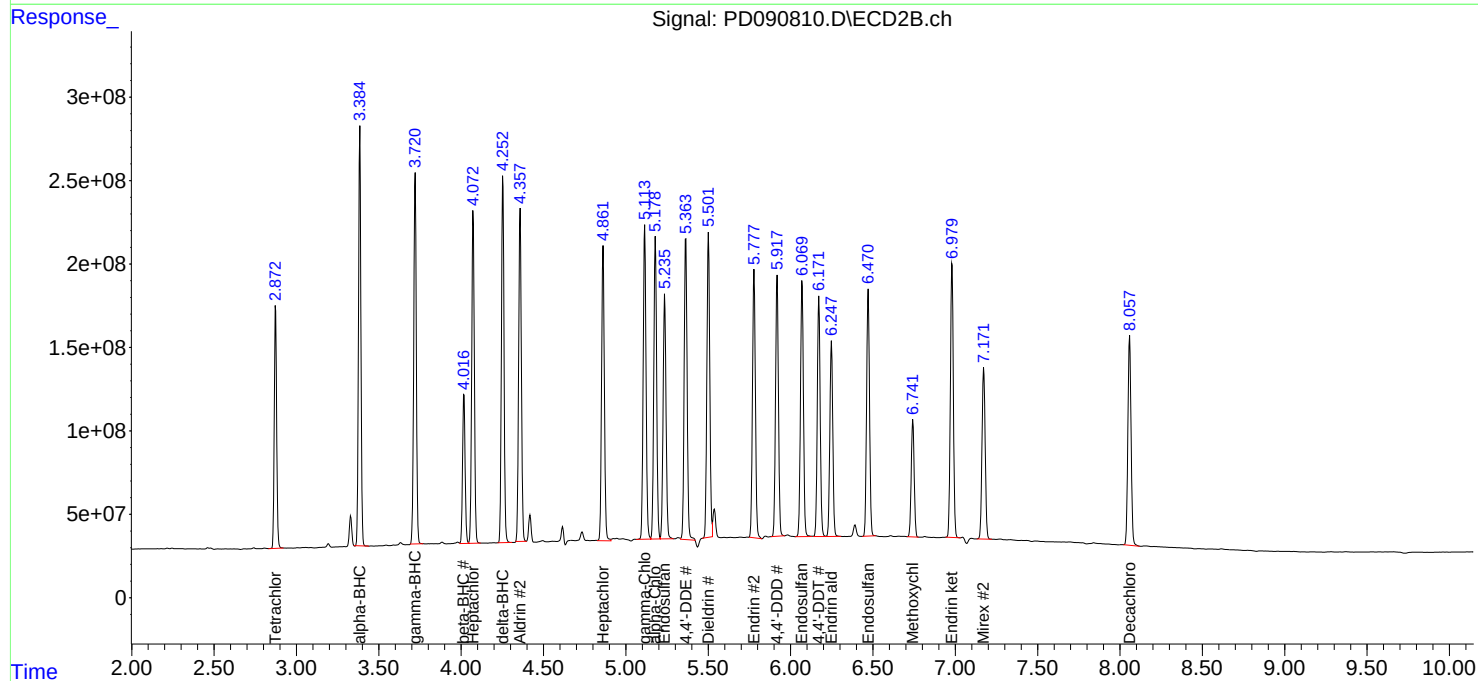
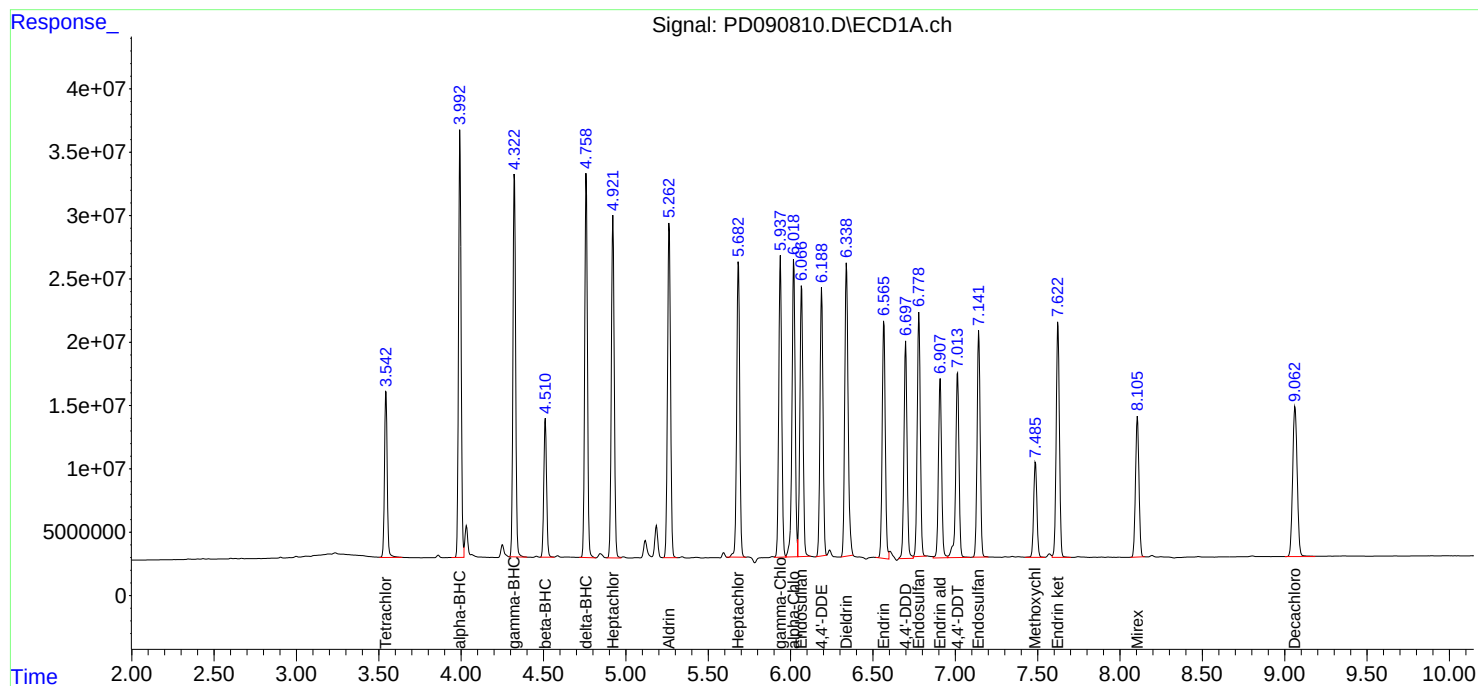
APPROVED

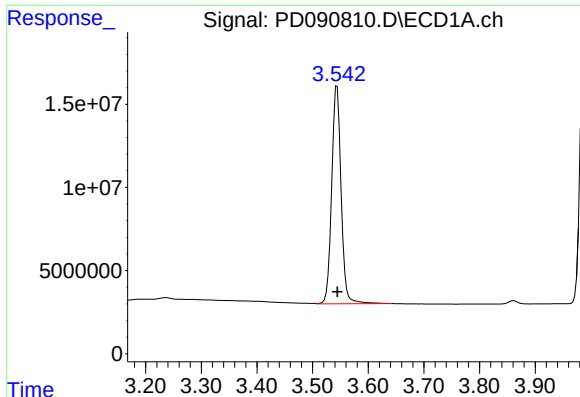
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





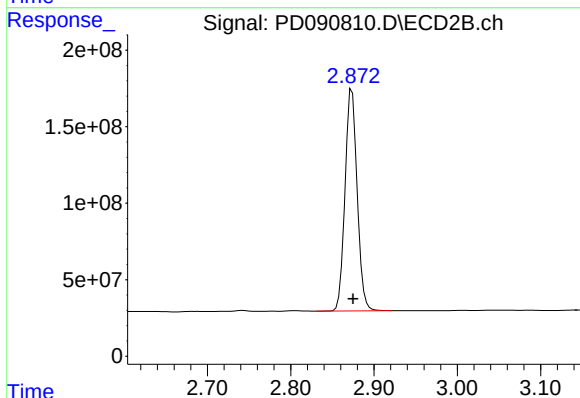
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 154480391
Conc: 49.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

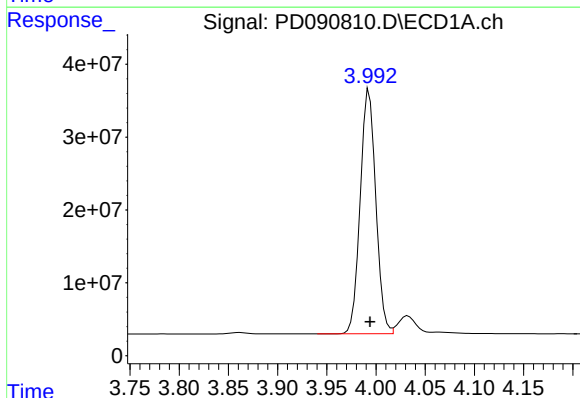
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



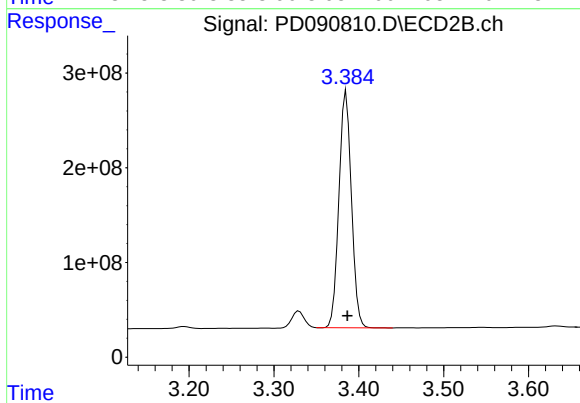
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 1466093108
Conc: 49.24 ng/ml



#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 369883848
Conc: 51.54 ng/ml



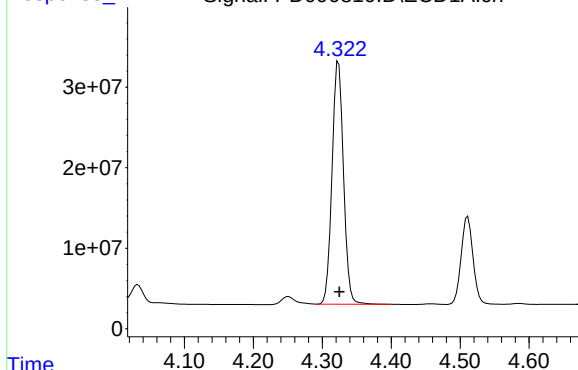
#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2546419707
Conc: 49.84 ng/ml

Response_

Signal: PD090810.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.324 min
Delta R.T.: -0.001 min
Response: 347557636
Conc: 51.12 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

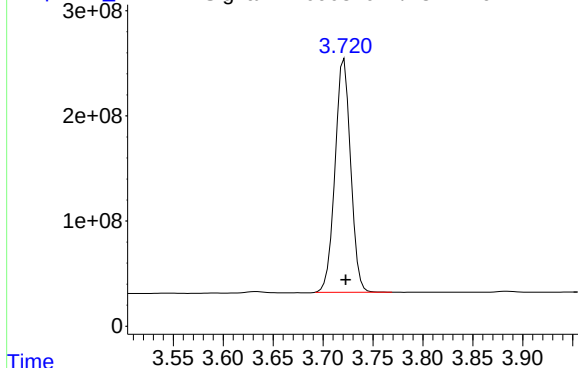
Supervised By :mohammad ahmed 10/28/2025

Time

Response

Signal: PD090810.D\ECD2B.ch

#3 gamma-BHC (Lindane)



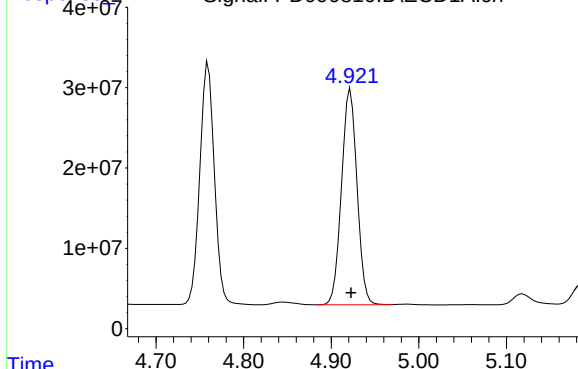
R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 2415892986
Conc: 51.13 ng/ml

Time

Response

Signal: PD090810.D\ECD1A.ch

#4 Heptachlor



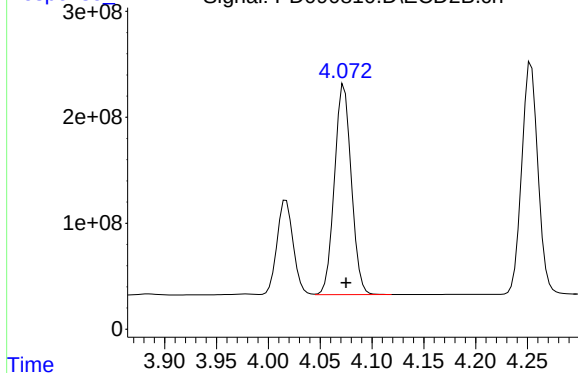
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 331137384
Conc: 59.24 ng/ml

Time

Response

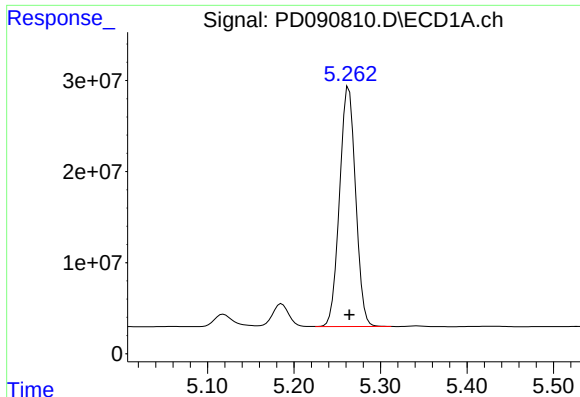
Signal: PD090810.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2241192821
Conc: 50.25 ng/ml

Time



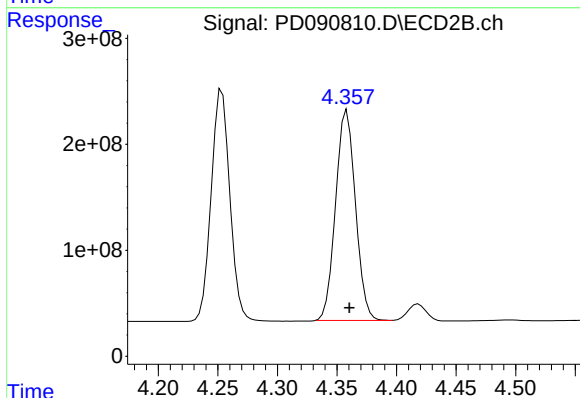
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 337534314
Conc: 51.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

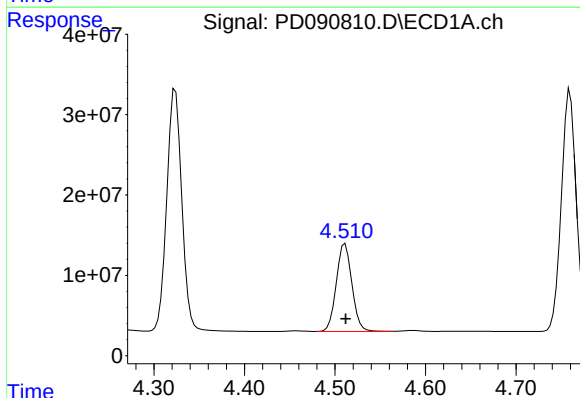
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



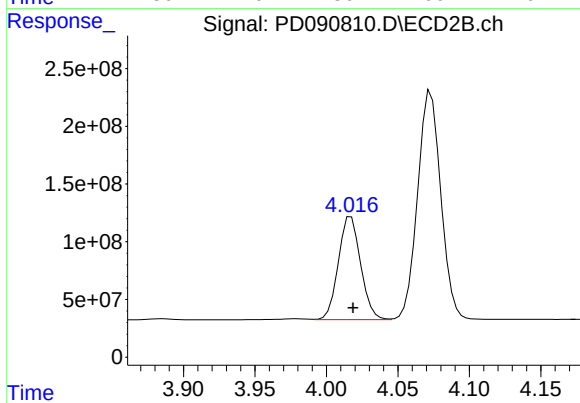
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: -0.002 min
Response: 2300267397
Conc: 49.66 ng/ml



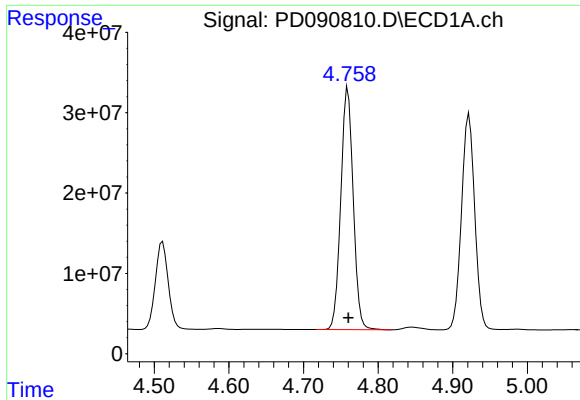
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 130607631
Conc: 49.86 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 967103278
Conc: 48.77 ng/ml



#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 348370261
Conc: 51.52 ng/ml

Instrument :

ECD_D

ClientSampleId :

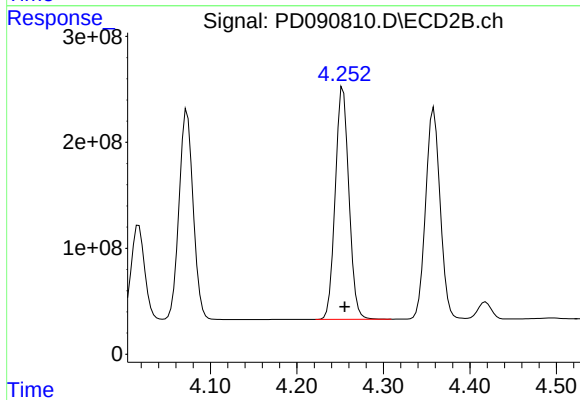
PSTDCCC050

Manual Integrations

APPROVED

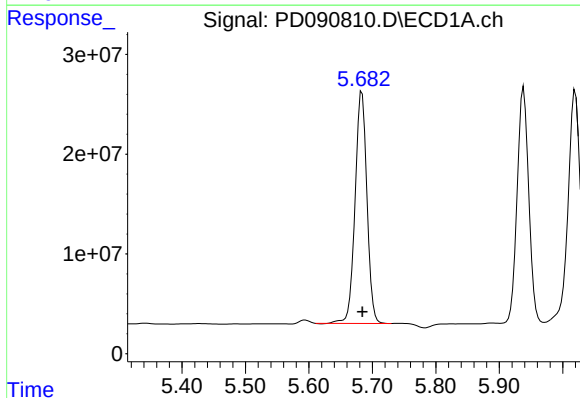
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



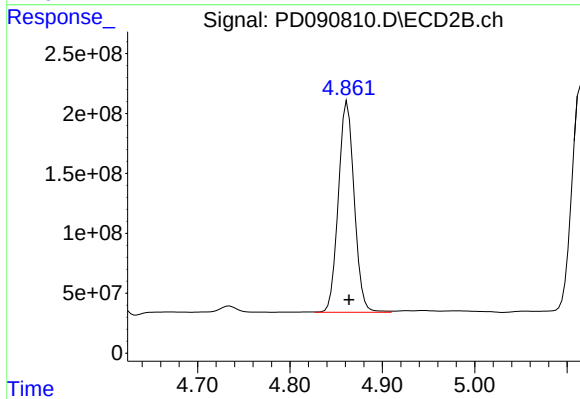
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2392287495
Conc: 50.14 ng/ml



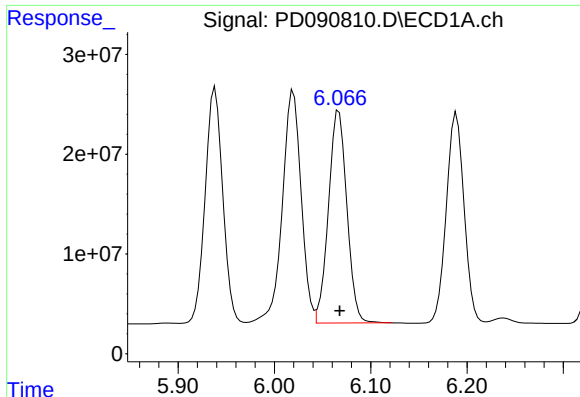
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 302033129
Conc: 52.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2101868941
Conc: 49.29 ng/ml



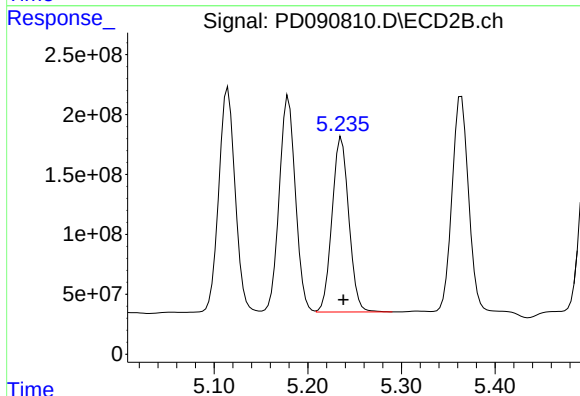
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 284159623
Conc: 51.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

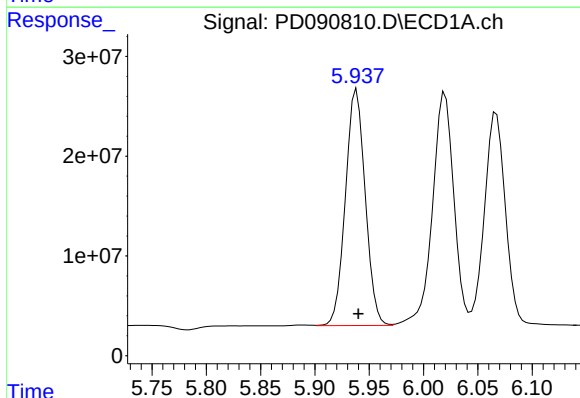
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



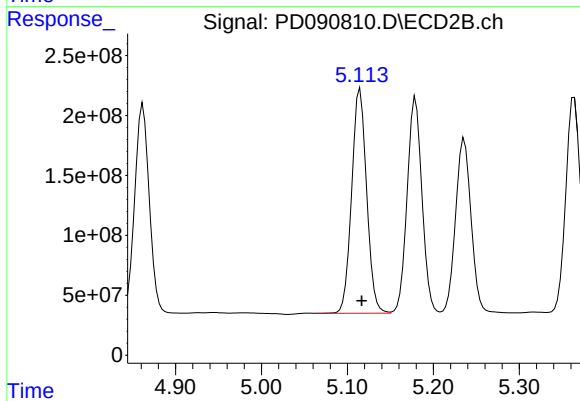
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1819294266
Conc: 46.19 ng/ml



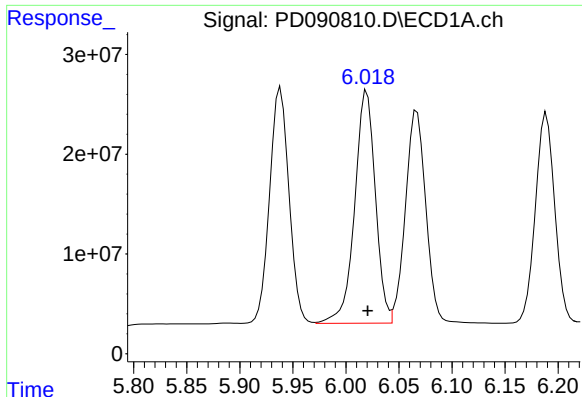
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 300992690
Conc: 50.75 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2271895336
Conc: 50.54 ng/ml



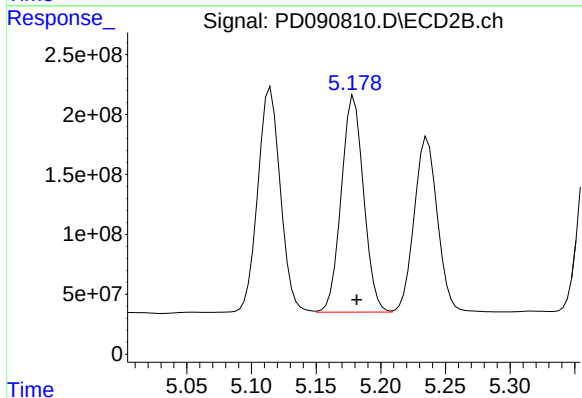
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 317532577
Conc: 51.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

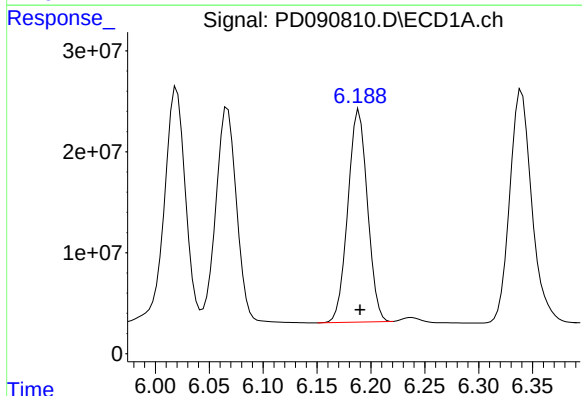
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



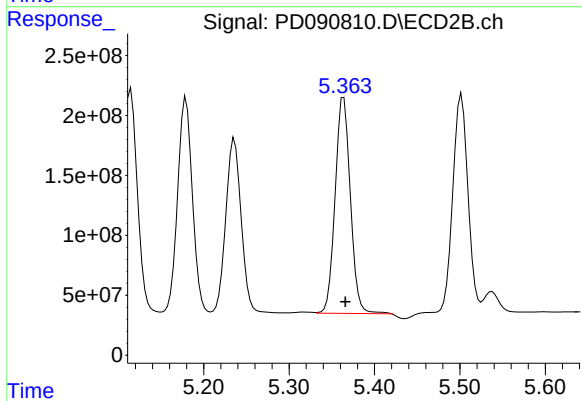
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 2165782642
Conc: 50.21 ng/ml



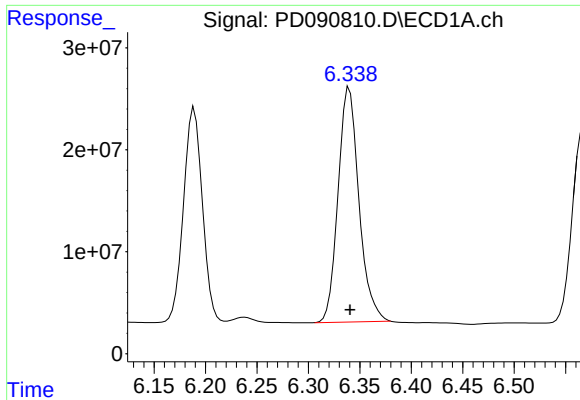
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 266500298
Conc: 50.03 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2239390091
Conc: 51.08 ng/ml



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 325401316
Conc: 55.80 ng/ml

Instrument :

ECD_D

ClientSampleId :

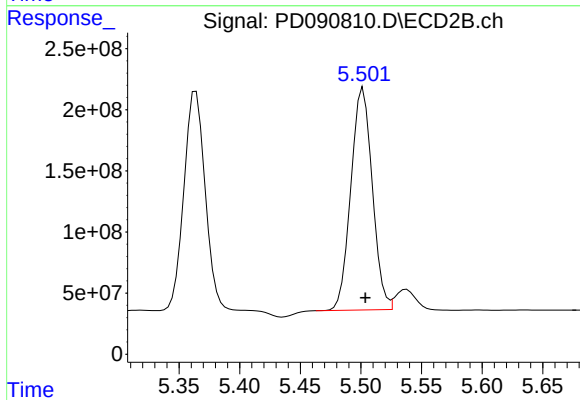
PSTDCCC050

Manual Integrations

APPROVED

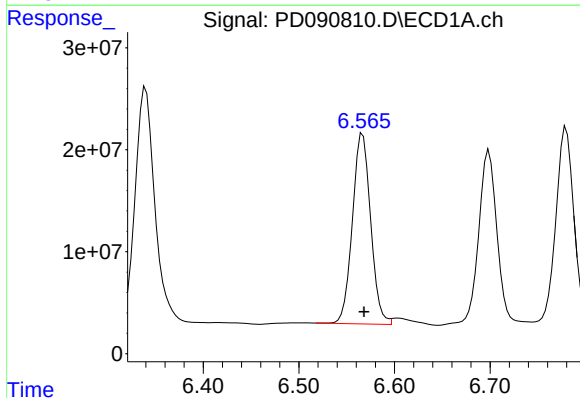
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



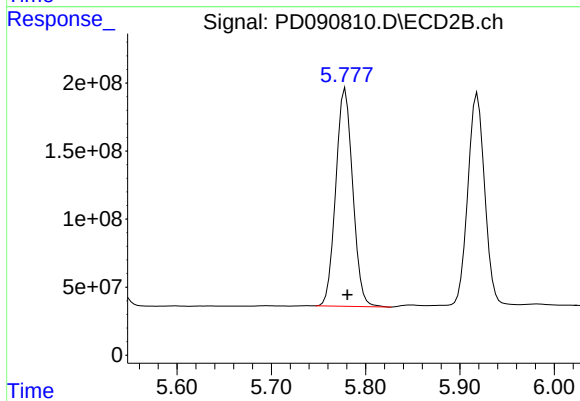
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2233996959
Conc: 50.56 ng/ml



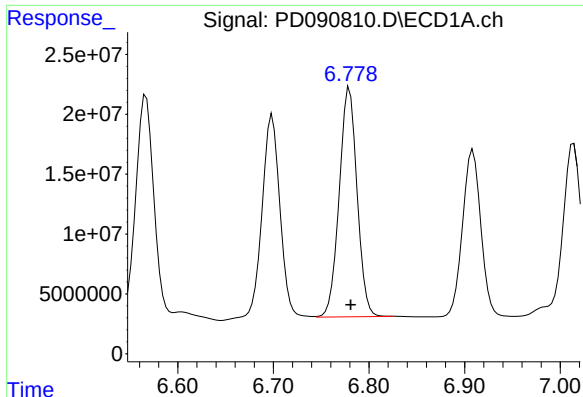
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.001 min
Response: 248073718
Conc: 50.08 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2000446254
Conc: 49.40 ng/ml



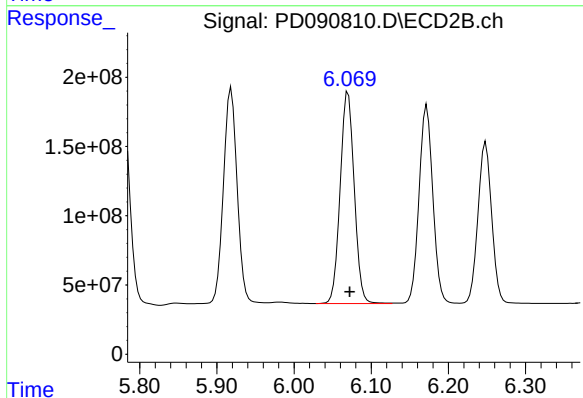
#15 Endosulfan II

R.T.: 6.778 min
Delta R.T.: -0.003 min
Response: 248714198
Conc: 49.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

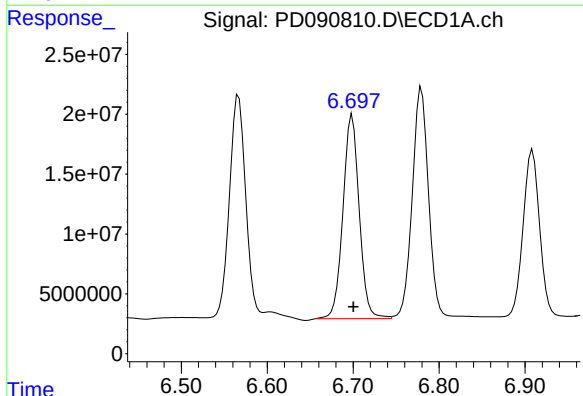
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



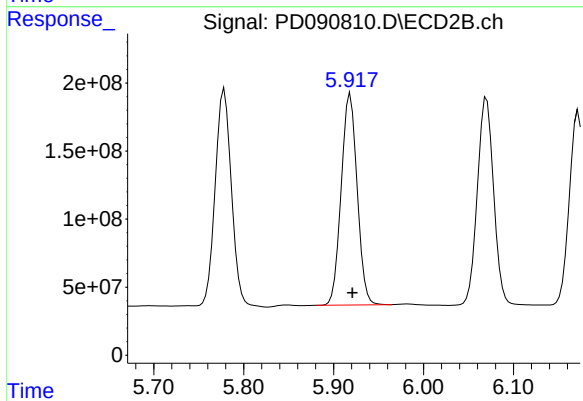
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1934240432
Conc: 51.50 ng/ml



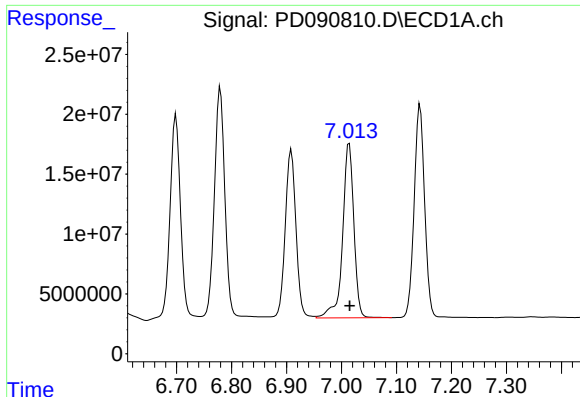
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 224503104
Conc: 55.38 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1916117191
Conc: 52.59 ng/ml



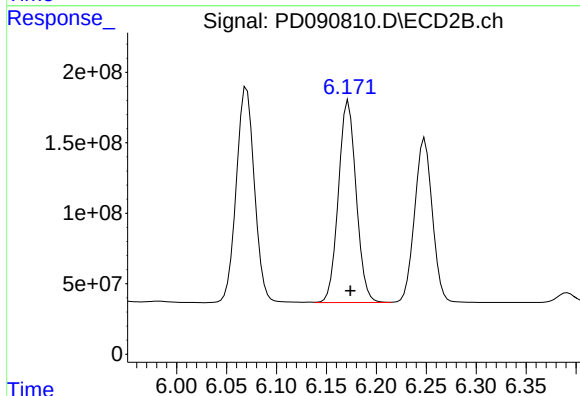
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 207666261
Conc: 50.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

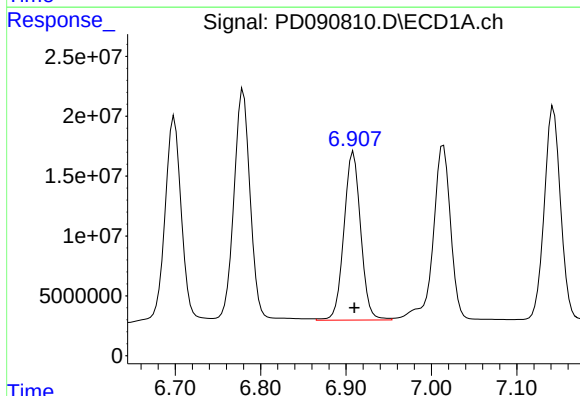
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



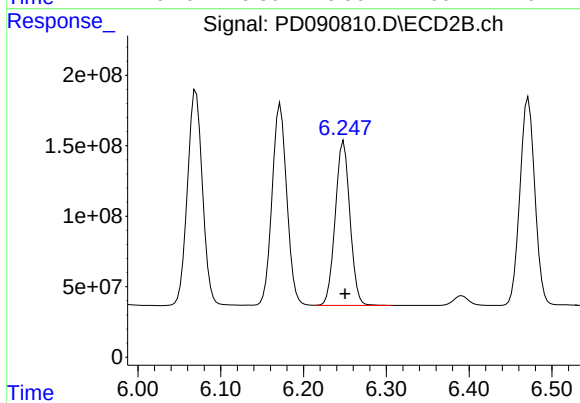
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1772004799
Conc: 50.52 ng/ml



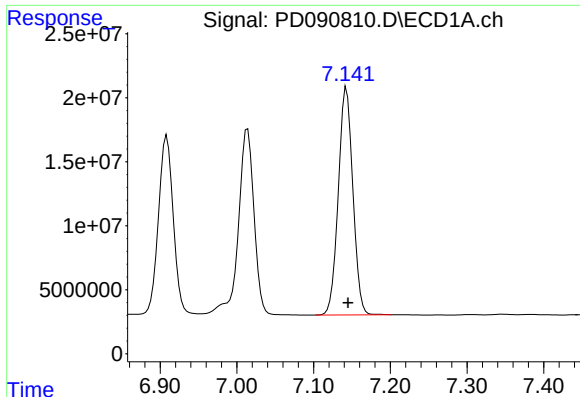
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.001 min
Response: 191815732
Conc: 52.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 1437379924
Conc: 51.90 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.002 min
Response: 234564689
Conc: 50.57 ng/ml

Instrument :

ECD_D

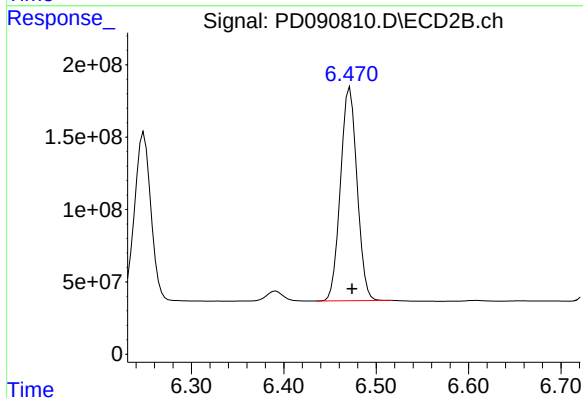
ClientSampleId :

PSTDCCC050

Manual Integrations

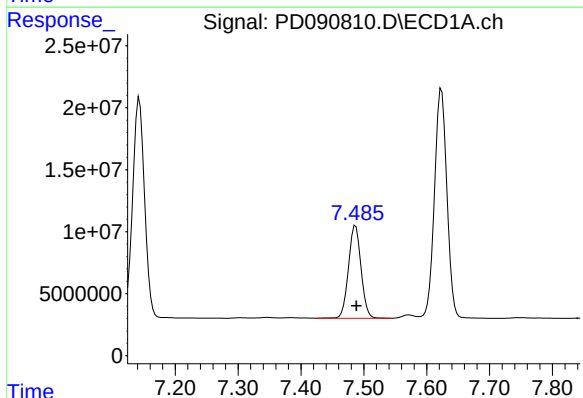
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



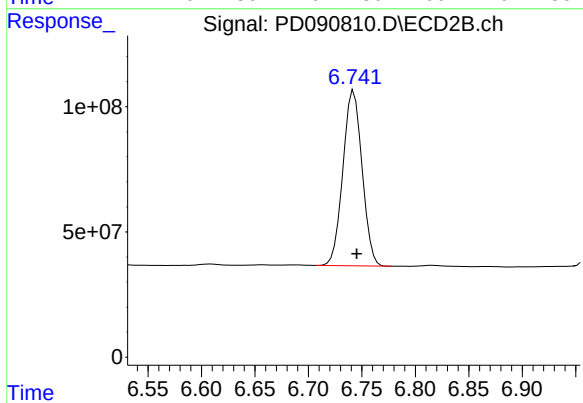
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1843525414
Conc: 51.43 ng/ml



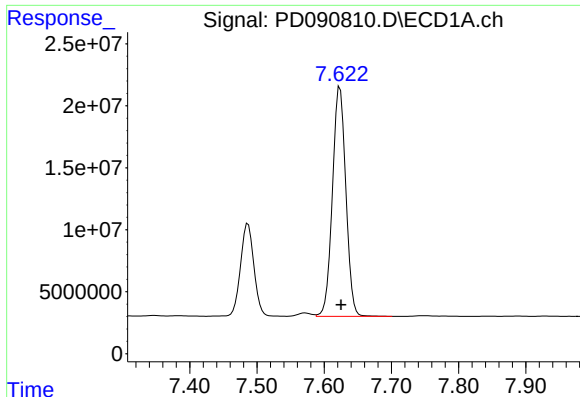
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.001 min
Response: 104067728
Conc: 48.96 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 874434654
Conc: 50.17 ng/ml



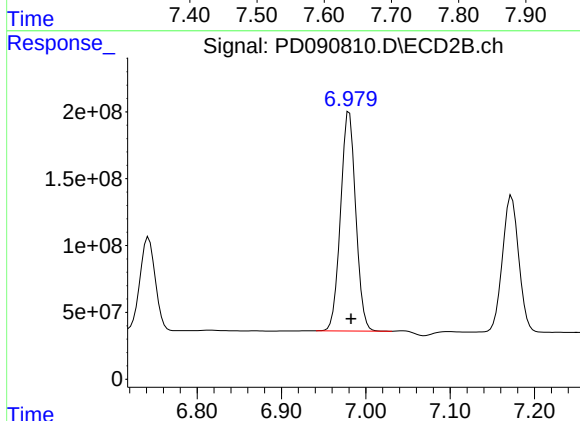
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.001 min
Response: 255020683
Conc: 52.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

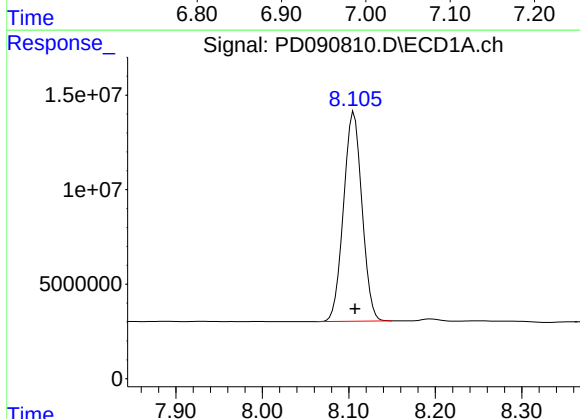
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



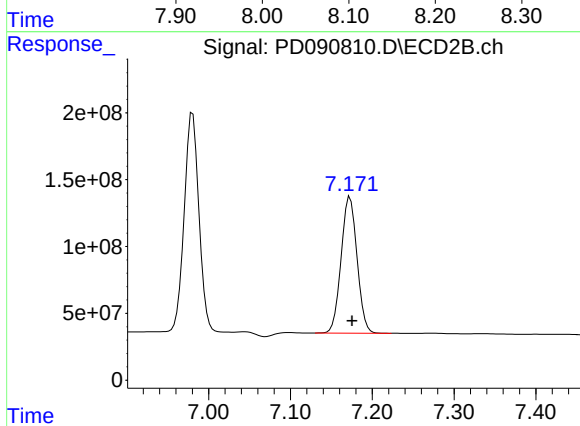
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 2053522685
Conc: 54.44 ng/ml



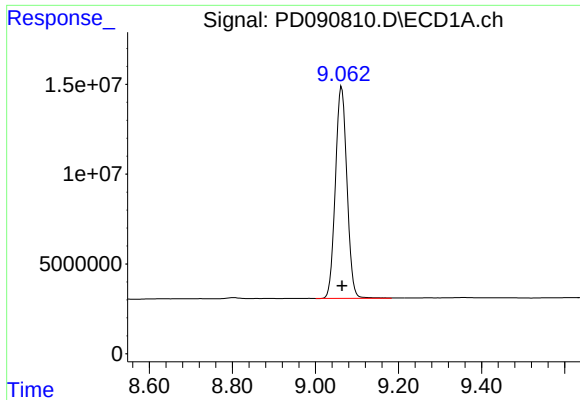
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.001 min
Response: 163154045
Conc: 50.97 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1374560710
Conc: 53.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.001 min
Response: 227938192
Conc: 48.73 ng/ml

Instrument :

ECD_D

ClientSampleId :

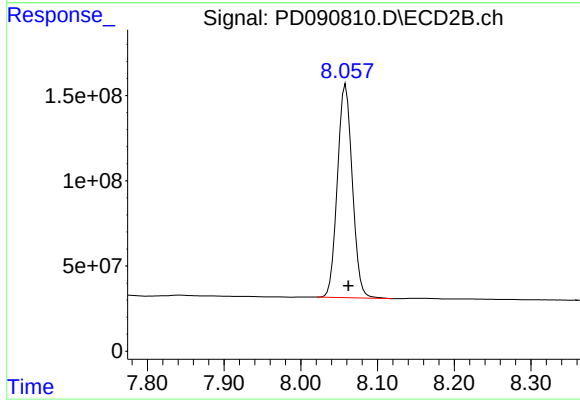
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 1691581501
Conc: 55.84 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:42

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:42

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090824.D **Time Analyzed:** 15:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.600	6.800	49.720	50.000	-0.6
4,4'-DDE	6.194	6.090	6.290	47.540	50.000	-4.9
4,4'-DDT	7.019	6.915	7.115	43.880	50.000	-12.2
Aldrin	5.268	5.164	5.364	50.630	50.000	1.3
alpha-BHC	3.998	3.894	4.094	53.390	50.000	6.8
alpha-Chlordane	6.024	5.921	6.121	50.880	50.000	1.8
beta-BHC	4.517	4.412	4.612	52.080	50.000	4.2
Decachlorobiphenyl	9.069	8.964	9.164	46.030	50.000	-7.9
delta-BHC	4.765	4.660	4.860	52.630	50.000	5.3
Dieldrin	6.345	6.240	6.440	48.790	50.000	-2.4
Endosulfan I	6.072	5.968	6.168	48.840	50.000	-2.3
Endosulfan II	6.785	6.681	6.881	46.830	50.000	-6.3
Endosulfan sulfate	7.148	7.045	7.245	45.620	50.000	-8.8
Endrin	6.572	6.468	6.668	45.180	50.000	-9.6
Endrin aldehyde	6.914	6.810	7.010	46.270	50.000	-7.5
Endrin ketone	7.629	7.525	7.725	46.040	50.000	-7.9
gamma-BHC (Lindane)	4.330	4.225	4.425	52.670	50.000	5.3
gamma-Chlordane	5.944	5.840	6.040	48.830	50.000	-2.3
Heptachlor	4.927	4.823	5.023	59.530	50.000	19.1
Heptachlor epoxide	5.687	5.584	5.784	51.040	50.000	2.1
Methoxychlor	7.492	7.388	7.588	43.060	50.000	-13.9
Tetrachloro-m-xylene	3.549	3.445	3.645	52.770	50.000	5.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090824.D **Time Analyzed:** 15:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	46.560	50.000	-6.9
4,4'-DDE	5.366	5.266	5.466	47.330	50.000	-5.3
4,4'-DDT	6.173	6.074	6.274	43.360	50.000	-13.3
Aldrin	4.360	4.261	4.461	49.370	50.000	-1.3
alpha-BHC	3.386	3.287	3.487	50.610	50.000	1.2
alpha-Chlordane	5.181	5.081	5.281	47.540	50.000	-4.9
beta-BHC	4.018	3.919	4.119	49.810	50.000	-0.4
Decachlorobiphenyl	8.061	7.962	8.162	40.090	50.000	-19.8
delta-BHC	4.254	4.155	4.355	50.040	50.000	0.1
Dieldrin	5.503	5.404	5.604	47.030	50.000	-5.9
Endosulfan I	5.238	5.138	5.338	47.080	50.000	-5.8
Endosulfan II	6.072	5.972	6.172	44.570	50.000	-10.9
Endosulfan sulfate	6.473	6.374	6.574	42.870	50.000	-14.3
Endrin	5.780	5.681	5.881	44.370	50.000	-11.3
Endrin aldehyde	6.250	6.150	6.350	43.250	50.000	-13.5
Endrin ketone	6.982	6.883	7.083	41.610	50.000	-16.8
gamma-BHC (Lindane)	3.722	3.623	3.823	50.930	50.000	1.9
gamma-Chlordane	5.116	5.017	5.217	47.810	50.000	-4.4
Heptachlor	4.074	3.975	4.175	50.610	50.000	1.2
Heptachlor epoxide	4.864	4.764	4.964	48.290	50.000	-3.4
Methoxychlor	6.744	6.645	6.845	41.850	50.000	-16.3
Tetrachloro-m-xylene	2.873	2.775	2.975	51.790	50.000	3.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090824.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 15:42
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:38:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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	2.873	164.3E6	1542.2E6	52.767	51.790
28)	SA Decachlor...	9.069	8.061	215.3E6	1214.5E6	46.026	40.095
Target Compounds							
2)	A alpha-BHC	3.998	3.386	383.2E6	2585.7E6	53.386	50.605
3)	MA gamma-BHC...	4.330	3.722	358.1E6	2406.2E6	52.670	50.925
4)	MA Heptachlor	4.927	4.074	332.8E6	2257.5E6	59.534	50.613
5)	MB Aldrin	5.268	4.360	331.5E6	2286.7E6	50.632	49.368
6)	B beta-BHC	4.517	4.018	136.4E6	987.7E6	52.085	49.810
7)	B delta-BHC	4.765	4.254	355.9E6	2387.6E6	52.628	50.037
8)	B Heptachlo...	5.687	4.864	295.5E6	2059.2E6	51.043m	48.293
9)	A Endosulfan I	6.072	5.238	270.4E6	1854.3E6	48.837	47.076
10)	B gamma-Chl...	5.944	5.116	289.6E6	2149.2E6	48.829	47.815
11)	B alpha-Chl...	6.024	5.181	314.4E6	2050.8E6	50.879	47.542
12)	B 4,4'-DDE	6.194	5.366	253.2E6	2075.0E6	47.542	47.334
13)	MA Dieldrin	6.345	5.503	284.5E6	2078.0E6	48.788	47.030
14)	MA Endrin	6.572	5.780	223.8E6	1796.7E6	45.183	44.370
15)	B Endosulfa...	6.785	6.072	234.1E6	1673.8E6	46.828	44.568
16)	A 4,4'-DDD	6.704	5.920	201.6E6	1696.4E6	49.725	46.555
17)	MA 4,4'-DDT	7.019	6.173	180.3E6	1520.8E6	43.875	43.362
18)	B Endrin al...	6.914	6.250	169.5E6	1197.7E6	46.274	43.249
19)	B Endosulfa...	7.148	6.473	211.6E6	1536.6E6	45.621	42.867
20)	A Methoxychlor	7.492	6.744	91534616	729.3E6	43.063	41.850
21)	B Endrin ke...	7.629	6.982	223.7E6	1569.4E6	46.042	41.609
22)	Mirex	8.111	7.175	155.6E6	1114.6E6	48.601	43.387

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090824.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 15:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

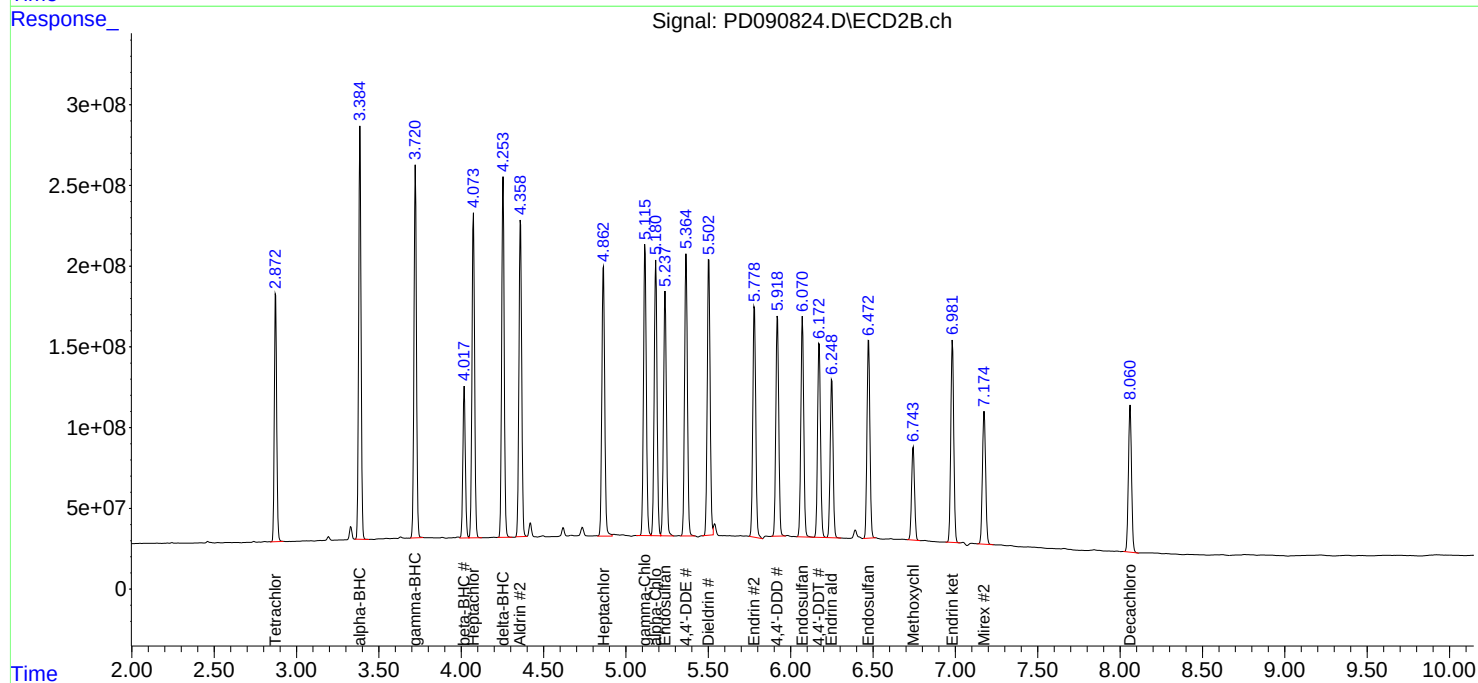
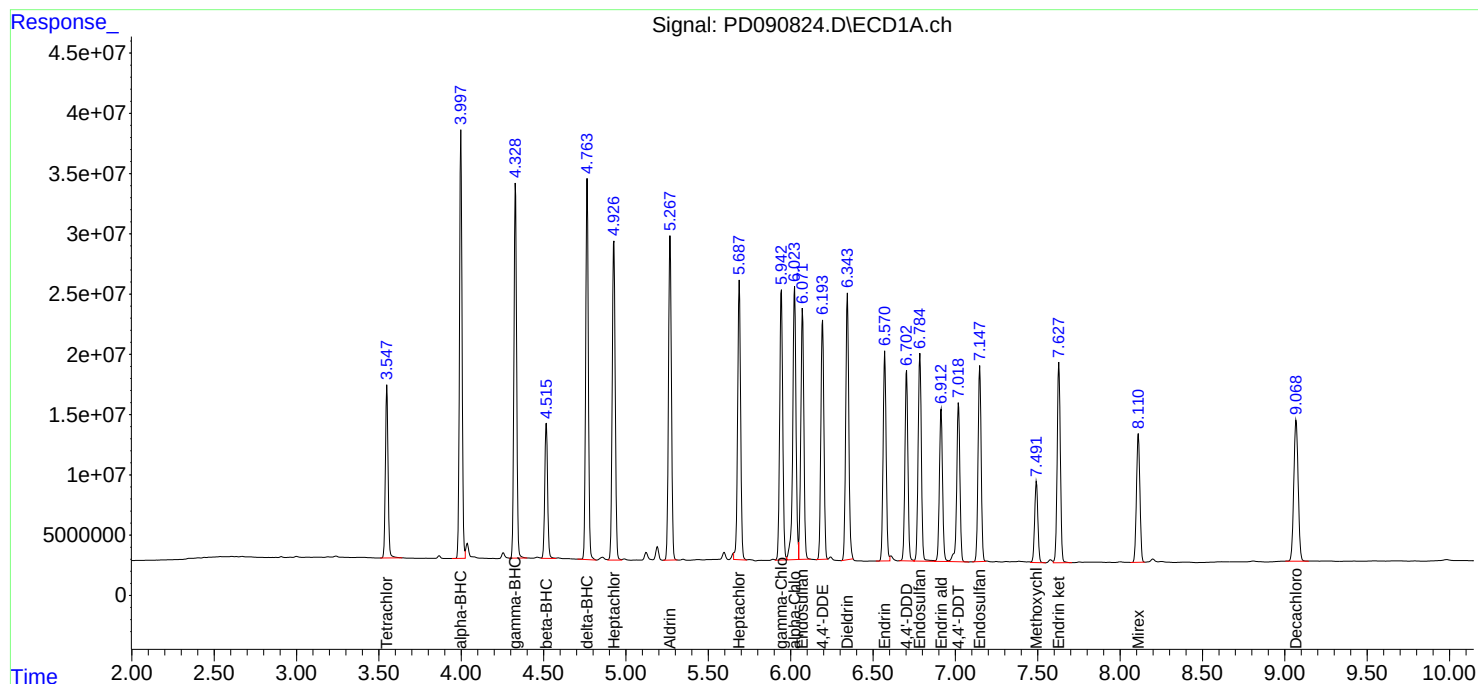
APPROVED

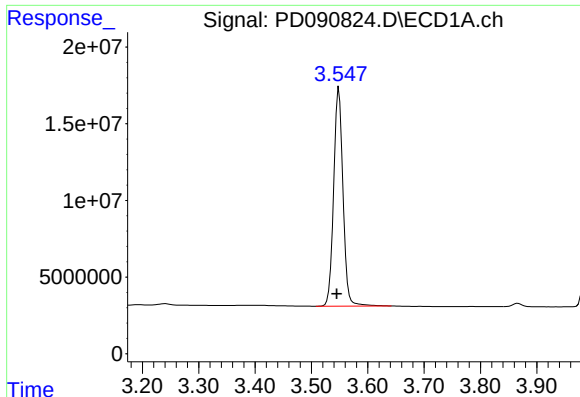
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:38:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.004 min
Response: 164325660
Conc: 52.77 ng/ml

Instrument :

ECD_D

ClientSampleId :

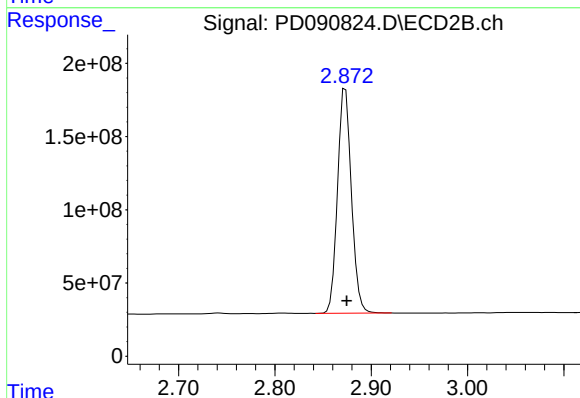
PSTDCCC050

Manual Integrations

APPROVED

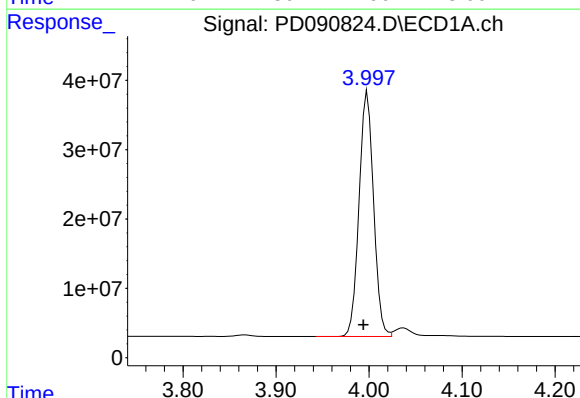
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



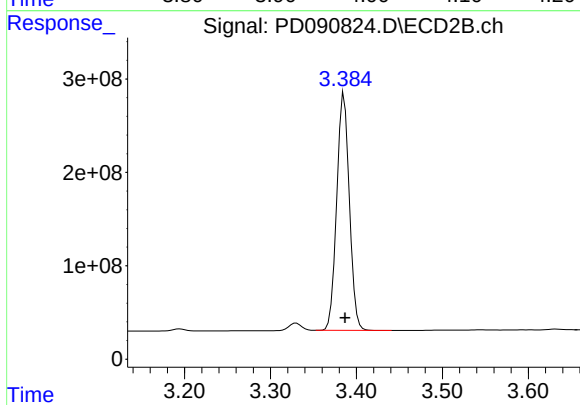
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 1542172600
Conc: 51.79 ng/ml



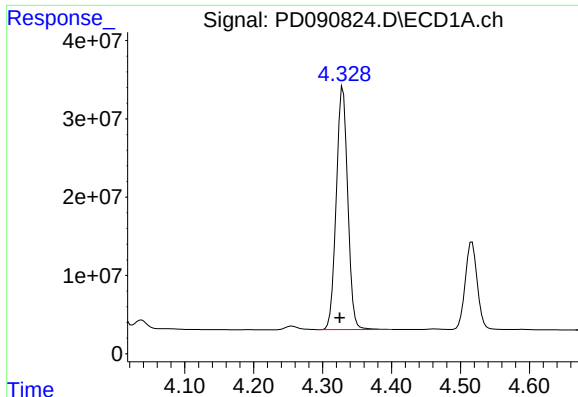
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.004 min
Response: 383158495
Conc: 53.39 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2585711678
Conc: 50.61 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.005 min
Response: 358095743
Conc: 52.67 ng/ml

Instrument :

ECD_D

ClientSampleId :

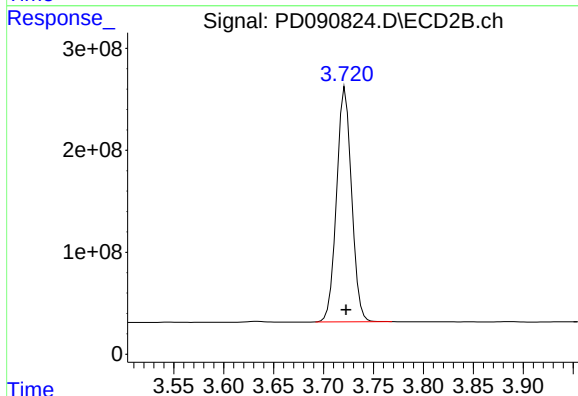
PSTDCCC050

Manual Integrations

APPROVED

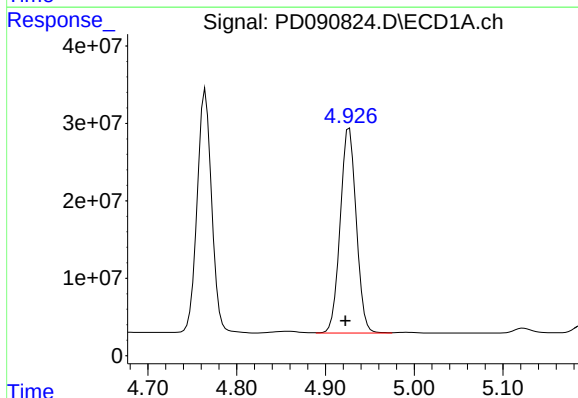
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



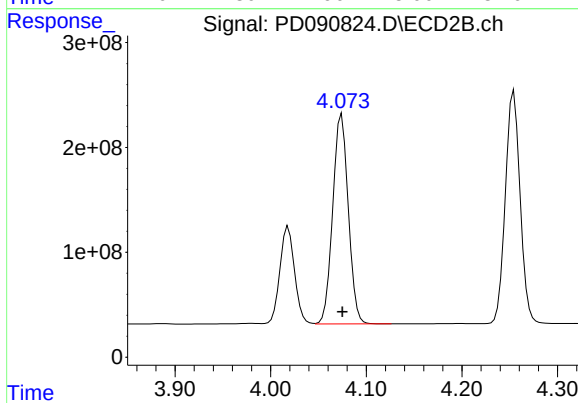
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2406154207
Conc: 50.93 ng/ml



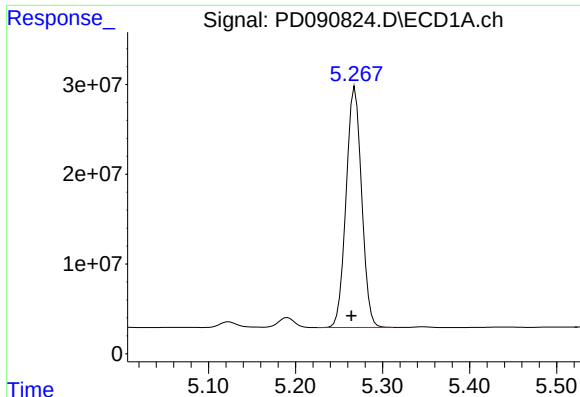
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.004 min
Response: 332766879
Conc: 59.53 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2257481677
Conc: 50.61 ng/ml



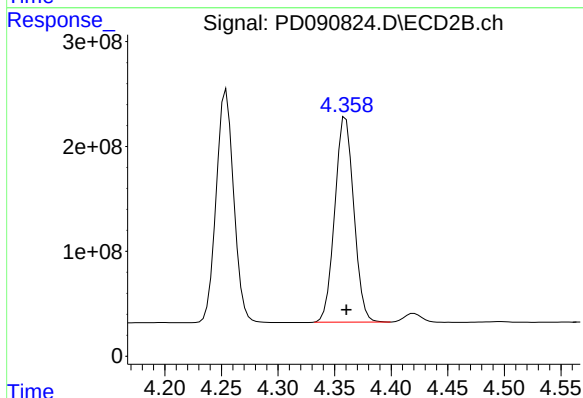
#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.004 min
Response: 331500646
Conc: 50.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

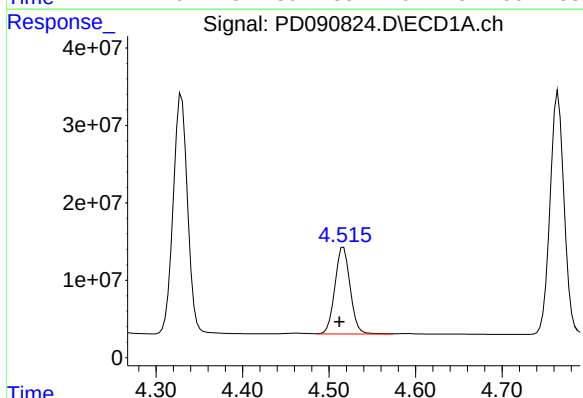
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



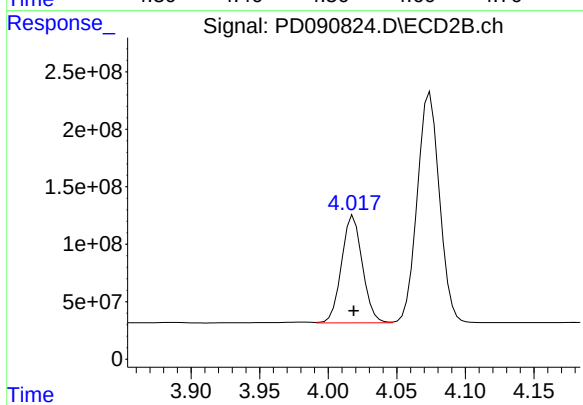
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2286688455
Conc: 49.37 ng/ml



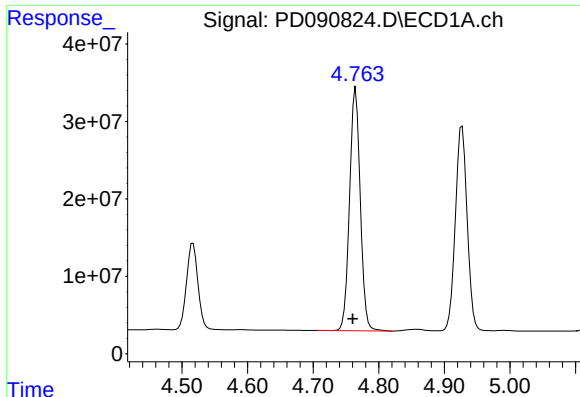
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.005 min
Response: 136442714
Conc: 52.08 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 987700923
Conc: 49.81 ng/ml



#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.005 min
Response: 355857317
Conc: 52.63 ng/ml

Instrument :

ECD_D

ClientSampleId :

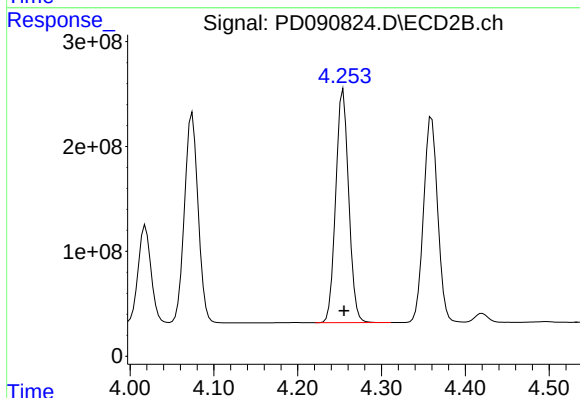
PSTDCCC050

Manual Integrations

APPROVED

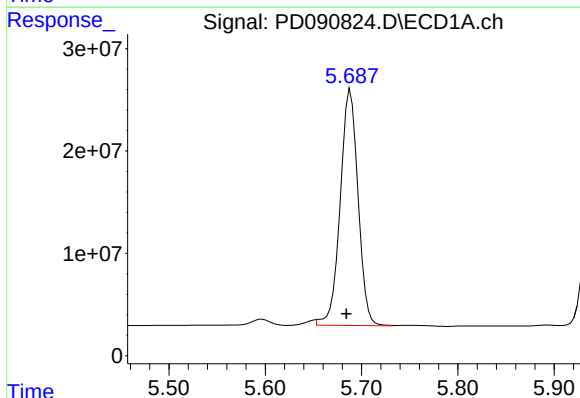
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



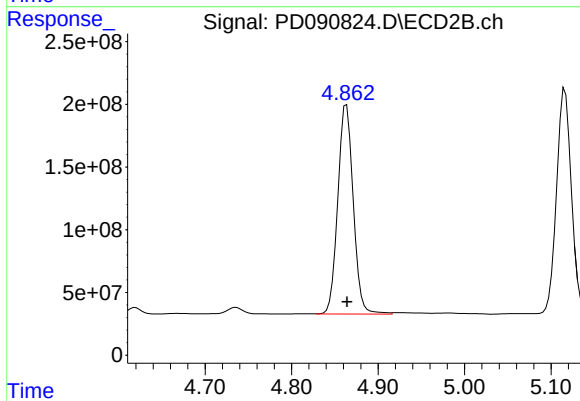
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 2387594453
Conc: 50.04 ng/ml



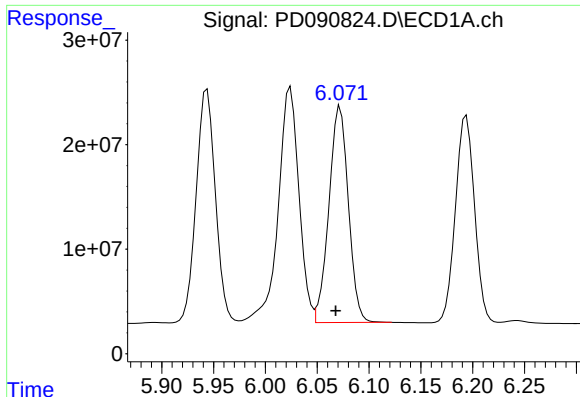
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.003 min
Response: 295490314
Conc: 51.04 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2059163889
Conc: 48.29 ng/ml



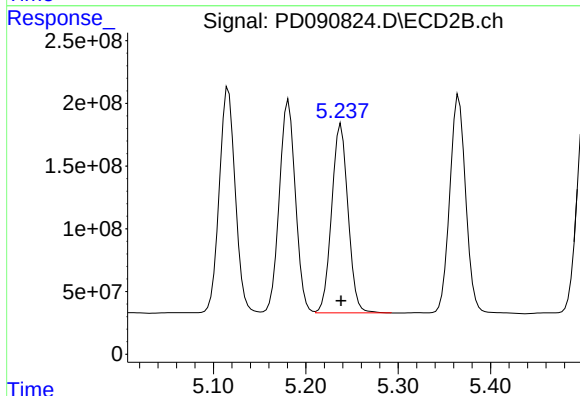
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.004 min
Response: 270395428
Conc: 48.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

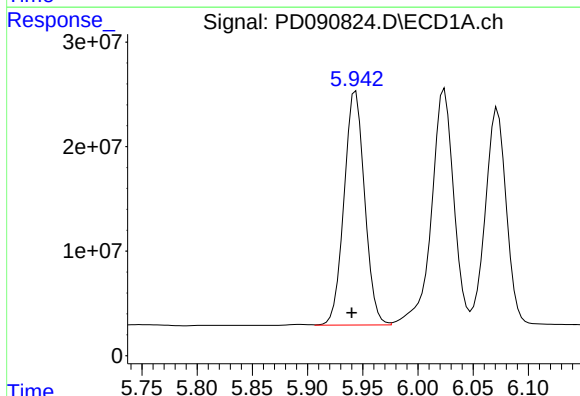
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/28/2025



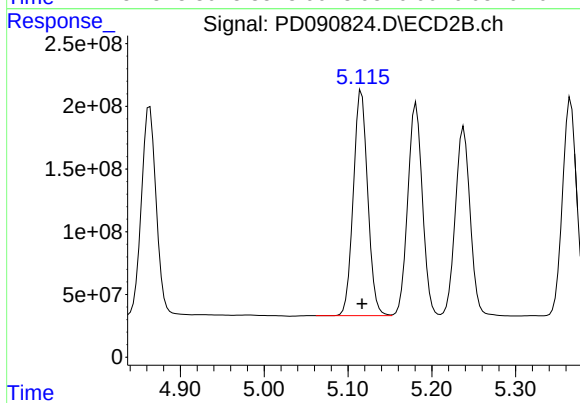
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1854325873
Conc: 47.08 ng/ml



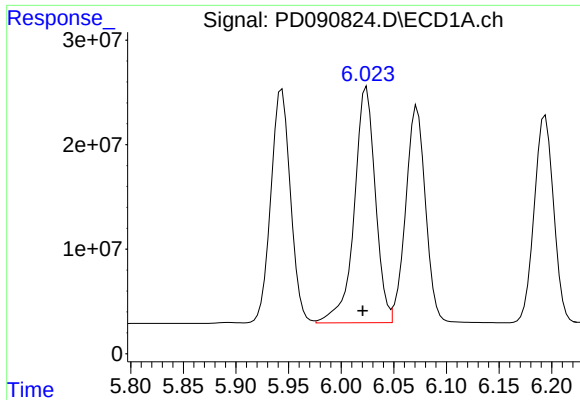
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.004 min
Response: 289615862
Conc: 48.83 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2149215777
Conc: 47.81 ng/ml



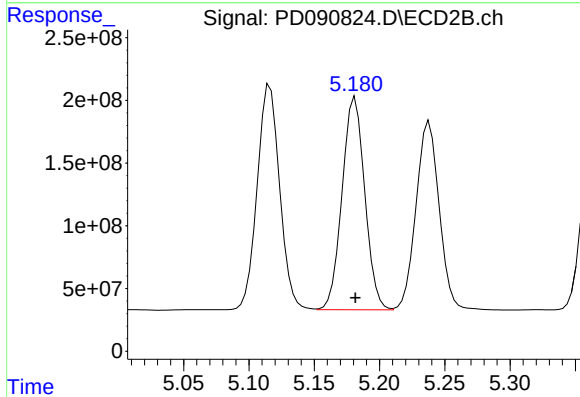
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.004 min
Response: 314447569
Conc: 50.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

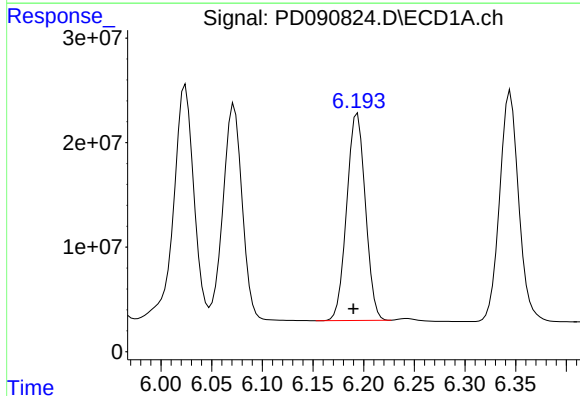
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



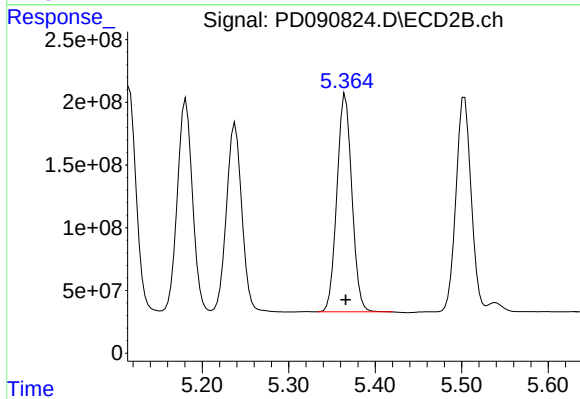
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2050844940
Conc: 47.54 ng/ml



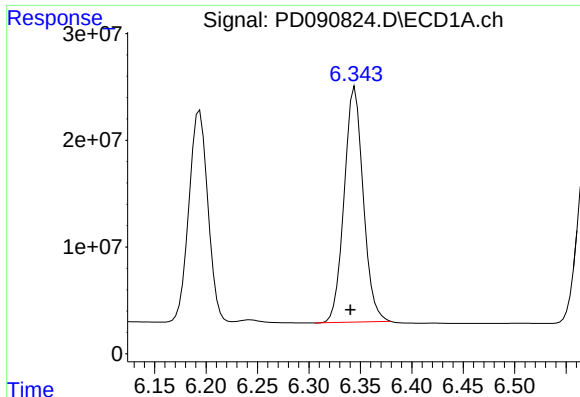
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.004 min
Response: 253238360
Conc: 47.54 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2075024035
Conc: 47.33 ng/ml



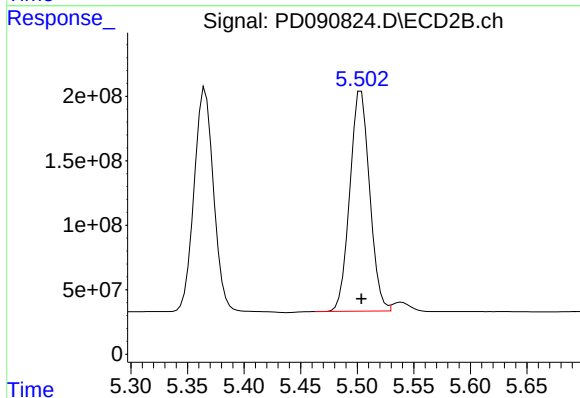
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.004 min
Response: 284502279
Conc: 48.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

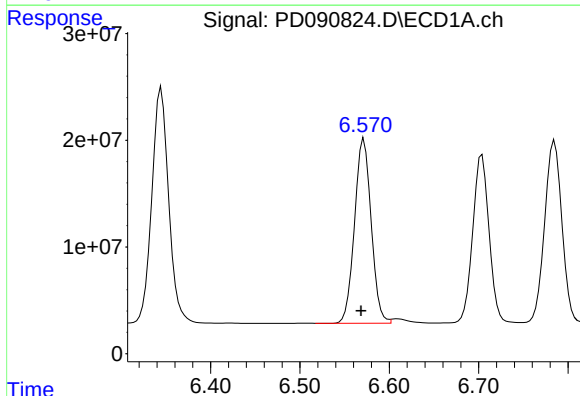
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



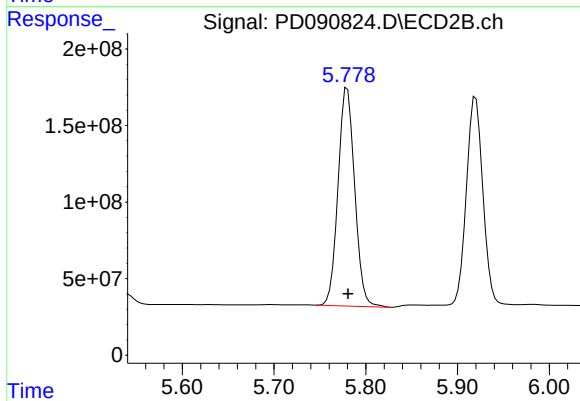
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2077983180
Conc: 47.03 ng/ml



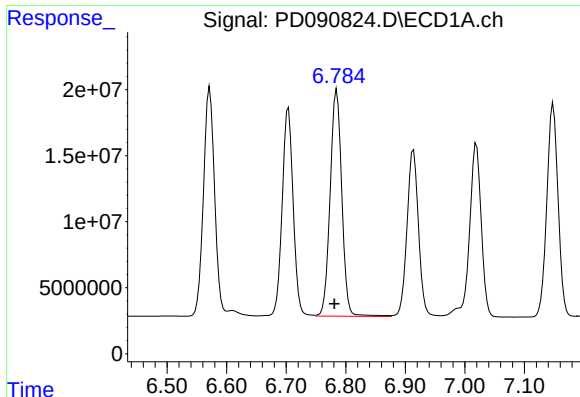
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.004 min
Response: 223824292
Conc: 45.18 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1796701711
Conc: 44.37 ng/ml



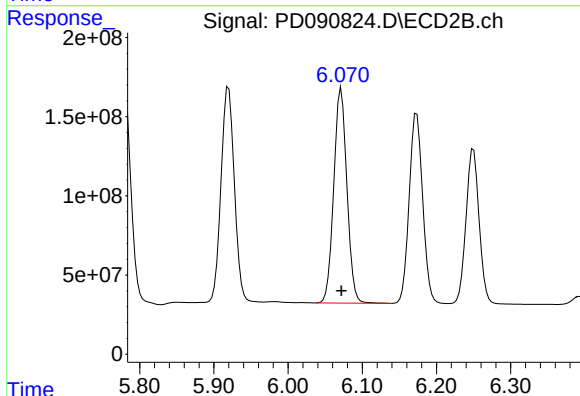
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.004 min
Response: 234140510
Conc: 46.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

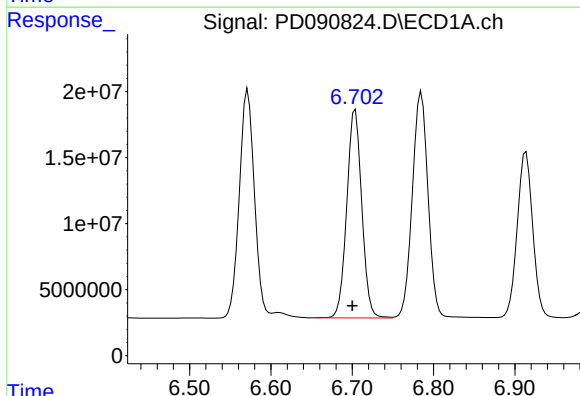
Manual Integrations
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Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



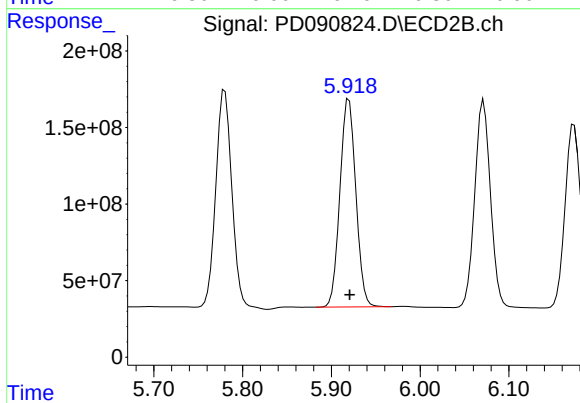
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1673755976
Conc: 44.57 ng/ml



#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.004 min
Response: 201594673
Conc: 49.72 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 1696372854
Conc: 46.56 ng/ml

Response_ Signal: PD090824.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.004 min
Response: 180348186
Conc: 43.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PD090824.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1520822162
Conc: 43.36 ng/ml

Time

Response_ Signal: PD090824.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.004 min
Response: 169488712
Conc: 46.27 ng/ml

Time

Response_ Signal: PD090824.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1197685185
Conc: 43.25 ng/ml

Time

Response_ Signal: PD090824.D\ECD1A.ch

Response_ Signal: PD090824.D\ECD2B.ch

Time

Response_ Signal: PD090824.D\ECD1A.ch

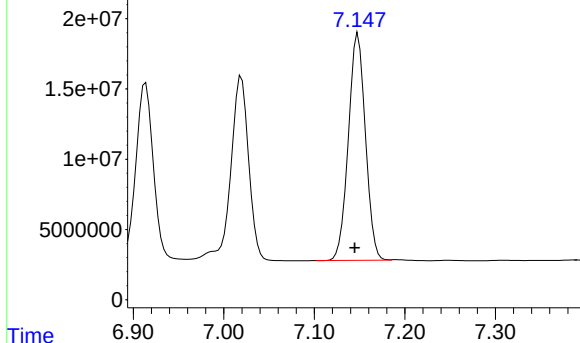
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.004 min
Response: 211599616
Conc: 45.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

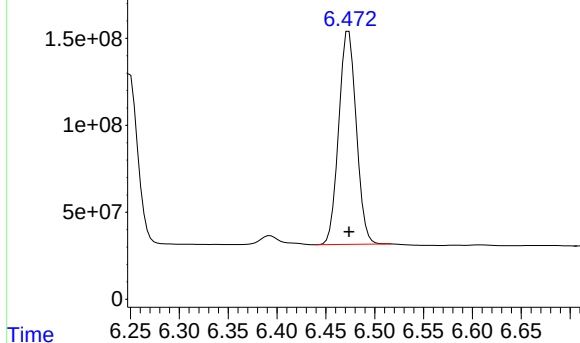
Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



Response_ Signal: PD090824.D\ECD2B.ch

#19 Endosulfan Sulfate

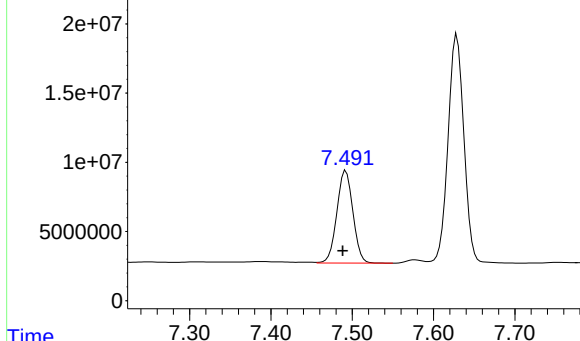
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1536560752
Conc: 42.87 ng/ml



Response_ Signal: PD090824.D\ECD1A.ch

#20 Methoxychlor

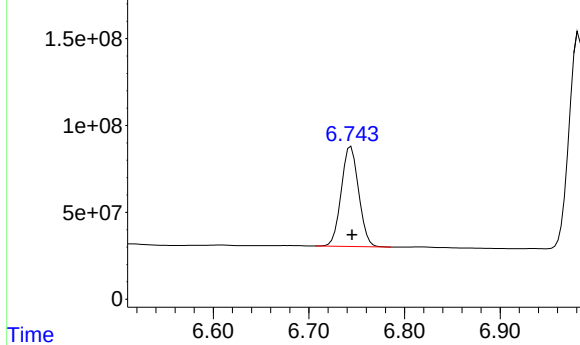
R.T.: 7.492 min
Delta R.T.: 0.004 min
Response: 91534616
Conc: 43.06 ng/ml



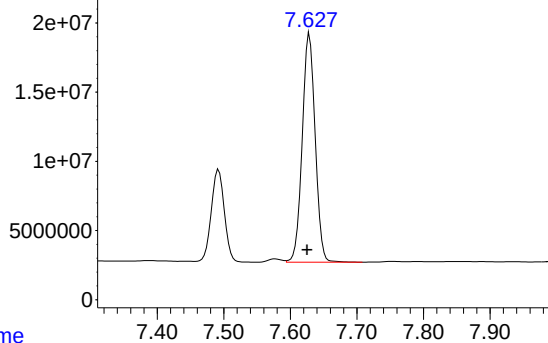
Response_ Signal: PD090824.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 729346988
Conc: 41.85 ng/ml



Response_ Signal: PD090824.D\ECD1A.ch



#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.004 min
Response: 223711994
Conc: 46.04 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

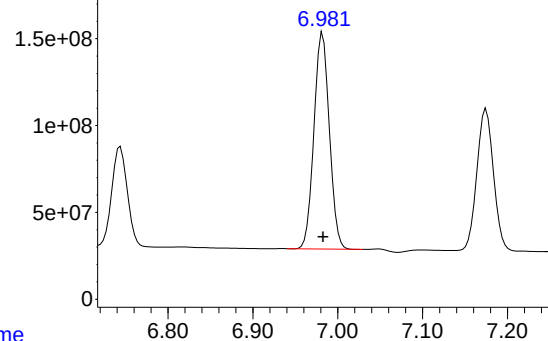
Manual Integrations

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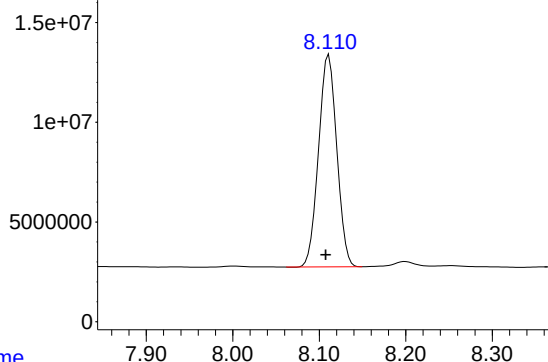
Time Response_ Signal: PD090824.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1569407204
Conc: 41.61 ng/ml

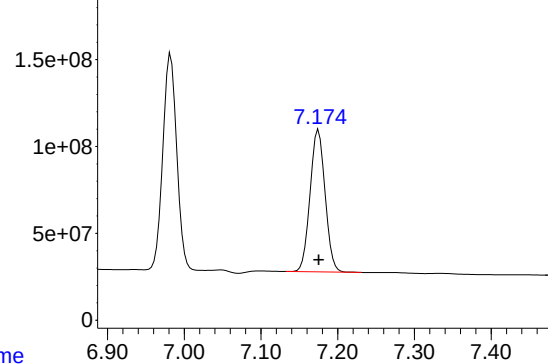
Time Response_ Signal: PD090824.D\ECD1A.ch



#22 Mirex

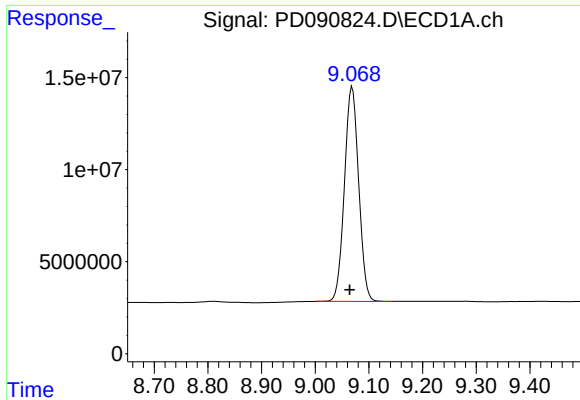
R.T.: 8.111 min
Delta R.T.: 0.004 min
Response: 155564089
Conc: 48.60 ng/ml

Time Response_ Signal: PD090824.D\ECD2B.ch



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1114644700
Conc: 43.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.005 min
Response: 215306456
Conc: 46.03 ng/ml

Instrument :

ECD_D

ClientSampleId :

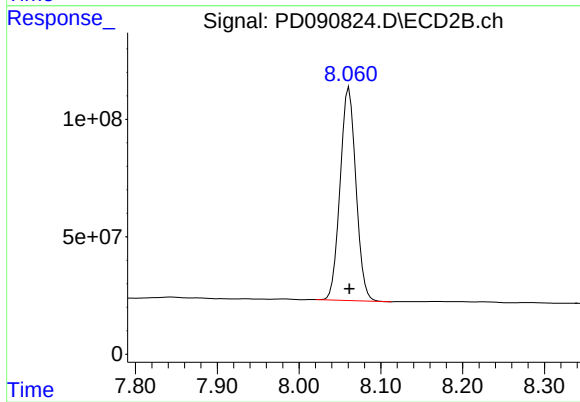
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 1214523963
Conc: 40.09 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 18:14

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.01	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 18:14

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090828.D **Time Analyzed:** 18:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.699	6.600	6.800	56.110	50.000	12.2
4,4'-DDE	6.189	6.090	6.290	54.410	50.000	8.8
4,4'-DDT	7.014	6.915	7.115	48.610	50.000	-2.8
Aldrin	5.263	5.164	5.364	57.060	50.000	14.1
alpha-BHC	3.994	3.894	4.094	58.320	50.000	16.6
alpha-Chlordane	6.020	5.921	6.121	55.020	50.000	10.0
beta-BHC	4.511	4.412	4.612	56.830	50.000	13.7
Decachlorobiphenyl	9.064	8.964	9.164	48.640	50.000	-2.7
delta-BHC	4.760	4.660	4.860	58.970	50.000	17.9
Dieldrin	6.340	6.240	6.440	56.180	50.000	12.4
Endosulfan I	6.067	5.968	6.168	54.880	50.000	9.8
Endosulfan II	6.780	6.681	6.881	50.550	50.000	1.1
Endosulfan sulfate	7.143	7.045	7.245	49.600	50.000	-0.8
Endrin	6.567	6.468	6.668	51.010	50.000	2.0
Endrin aldehyde	6.909	6.810	7.010	50.060	50.000	0.1
Endrin ketone	7.624	7.525	7.725	51.460	50.000	2.9
gamma-BHC (Lindane)	4.324	4.225	4.425	58.500	50.000	17.0
gamma-Chlordane	5.939	5.840	6.040	54.880	50.000	9.8
Heptachlor	4.922	4.823	5.023	66.850	50.000	33.7
Heptachlor epoxide	5.682	5.584	5.784	56.190	50.000	12.4
Methoxychlor	7.487	7.388	7.588	47.010	50.000	-6.0
Tetrachloro-m-xylene	3.544	3.445	3.645	57.460	50.000	14.9



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090828.D **Time Analyzed:** 18:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.918	5.821	6.021	53.230	50.000	6.5
4,4'-DDE	5.364	5.266	5.466	52.570	50.000	5.1
4,4'-DDT	6.172	6.074	6.274	49.050	50.000	-1.9
Aldrin	4.359	4.261	4.461	53.610	50.000	7.2
alpha-BHC	3.386	3.287	3.487	53.410	50.000	6.8
alpha-Chlordane	5.180	5.081	5.281	52.790	50.000	5.6
beta-BHC	4.018	3.919	4.119	53.500	50.000	7.0
Decachlorobiphenyl	8.059	7.962	8.162	43.050	50.000	-13.9
delta-BHC	4.254	4.155	4.355	54.120	50.000	8.2
Dieldrin	5.502	5.404	5.604	52.150	50.000	4.3
Endosulfan I	5.237	5.138	5.338	51.550	50.000	3.1
Endosulfan II	6.070	5.972	6.172	50.760	50.000	1.5
Endosulfan sulfate	6.472	6.374	6.574	46.950	50.000	-6.1
Endrin	5.779	5.681	5.881	51.140	50.000	2.3
Endrin aldehyde	6.248	6.150	6.350	48.850	50.000	-2.3
Endrin ketone	6.981	6.883	7.083	46.310	50.000	-7.4
gamma-BHC (Lindane)	3.722	3.623	3.823	54.060	50.000	8.1
gamma-Chlordane	5.115	5.017	5.217	53.170	50.000	6.3
Heptachlor	4.074	3.975	4.175	54.360	50.000	8.7
Heptachlor epoxide	4.862	4.764	4.964	52.950	50.000	5.9
Methoxychlor	6.743	6.645	6.845	45.360	50.000	-9.3
Tetrachloro-m-xylene	2.874	2.775	2.975	54.610	50.000	9.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090828.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 18:14
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:40:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.544	2.874	178.9E6	1626.2E6	57.458	54.613
28)	SA Decachlor...	9.064	8.059	227.5E6	1304.2E6	48.641	43.054
Target Compounds							
2)	A alpha-BHC	3.994	3.386	418.6E6	2728.9E6	58.319	53.407
3)	MA gamma-BHC...	4.324	3.722	397.7E6	2554.3E6	58.501	54.061
4)	MA Heptachlor	4.922	4.074	373.6E6	2424.6E6	66.846	54.359
5)	MB Aldrin	5.263	4.359	373.6E6	2483.1E6	57.063	53.609
6)	B beta-BHC	4.511	4.018	148.9E6	1060.8E6	56.835	53.496
7)	B delta-BHC	4.760	4.254	398.7E6	2582.2E6	58.968	54.115
8)	B Heptachlo...	5.682	4.862	325.3E6	2257.7E6	56.189m	52.950
9)	A Endosulfan I	6.067	5.237	303.9E6	2030.7E6	54.881	51.552
10)	B gamma-Chl...	5.939	5.115	325.5E6	2390.0E6	54.884	53.172
11)	B alpha-Chl...	6.020	5.180	340.0E6	2277.4E6	55.016	52.794
12)	B 4,4'-DDE	6.189	5.364	289.8E6	2304.8E6	54.406	52.574
13)	MA Dieldrin	6.340	5.502	327.6E6	2304.4E6	56.179	52.154
14)	MA Endrin	6.567	5.779	252.7E6	2070.9E6	51.007	51.140
15)	B Endosulfa...	6.780	6.070	252.8E6	1906.5E6	50.555	50.764
16)	A 4,4'-DDD	6.699	5.918	227.5E6	1939.7E6	56.113	53.232
17)	MA 4,4'-DDT	7.014	6.172	199.8E6	1720.3E6	48.608	49.050
18)	B Endrin al...	6.909	6.248	183.3E6	1352.7E6	50.059	48.848
19)	B Endosulfa...	7.143	6.472	230.1E6	1683.0E6	49.600	46.953
20)	A Methoxychlor	7.487	6.743	99918008	790.6E6	47.007	45.364
21)	B Endrin ke...	7.624	6.981	250.0E6	1746.8E6	51.456	46.312
22)	Mirex	8.106	7.173	165.9E6	1222.4E6	51.832	47.582

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090828.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 18:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

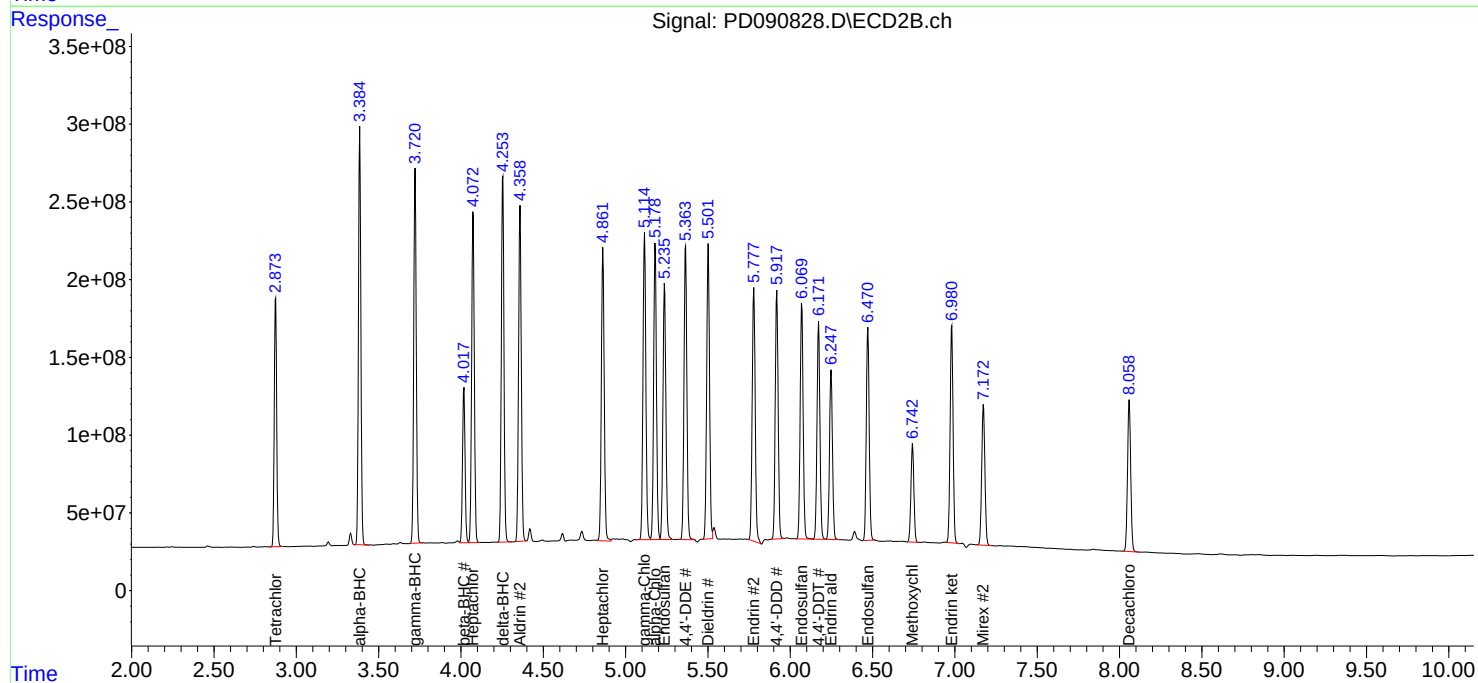
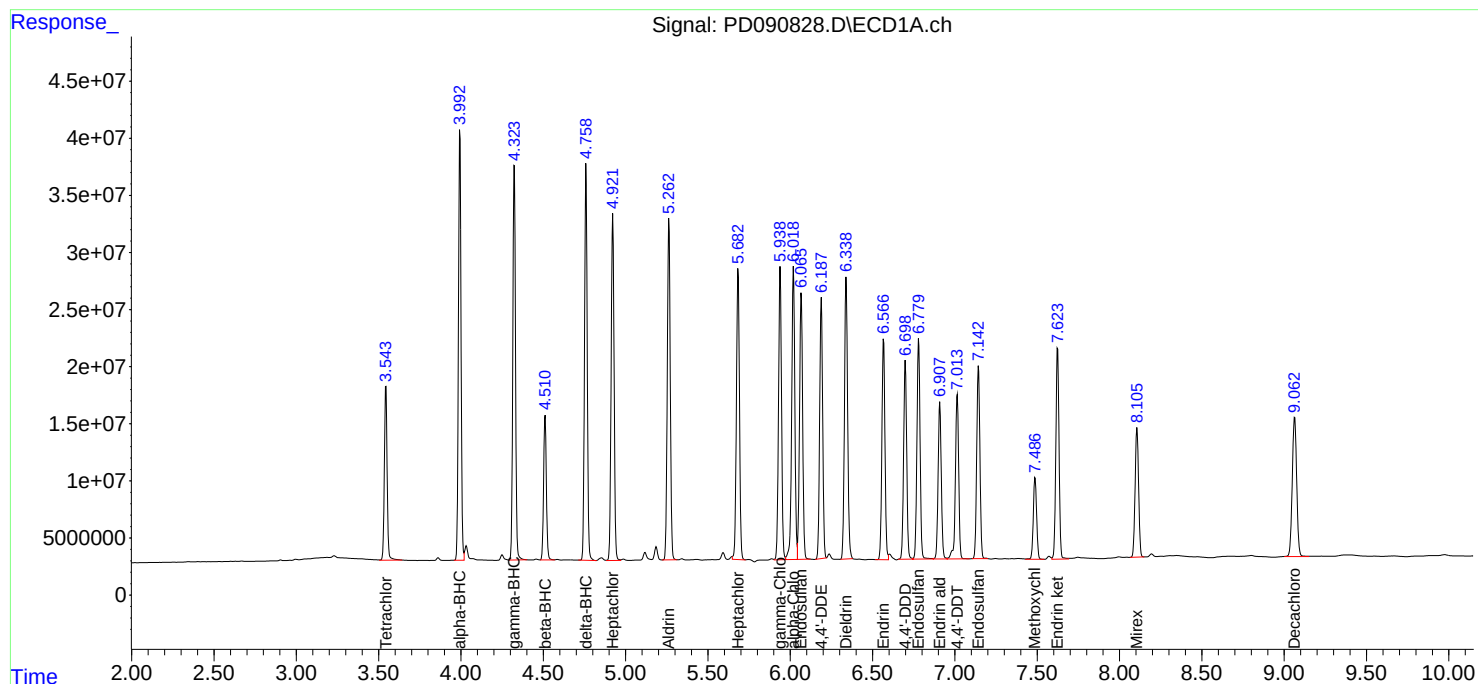
APPROVED

Reviewed By :Abdul Mirza 10/27/2025

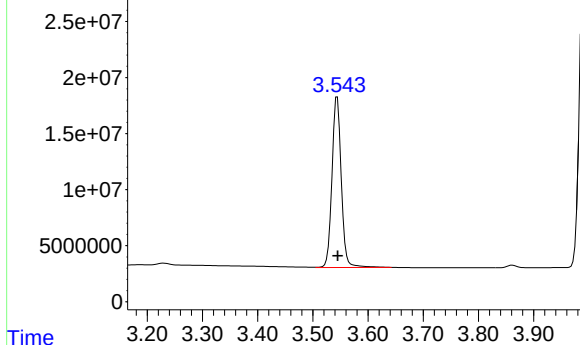
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:40:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090828.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 178933536
Conc: 57.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

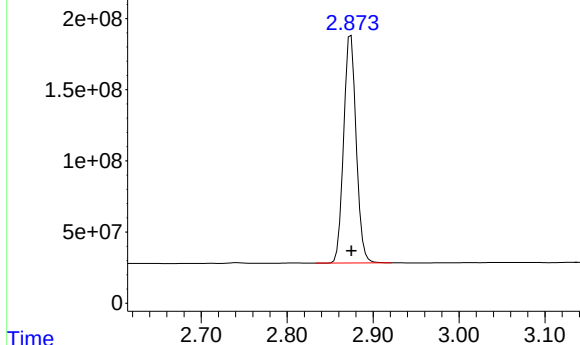
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

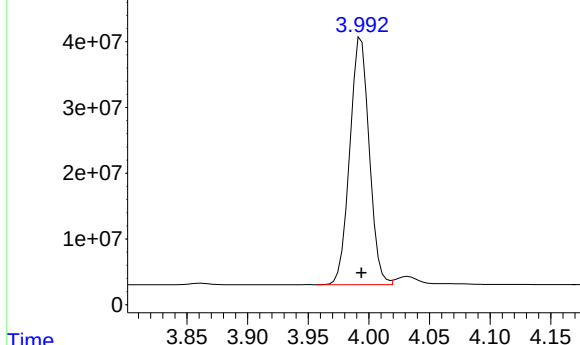
Response_ Signal: PD090828.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1626221620
Conc: 54.61 ng/ml

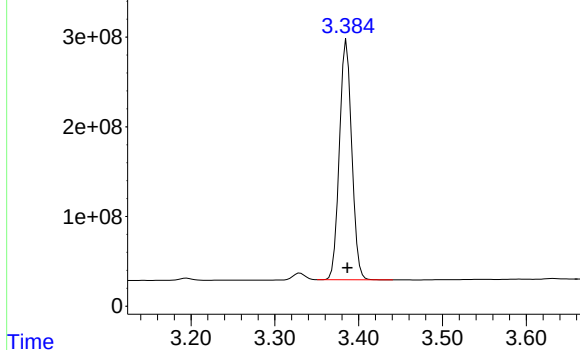
Response_ Signal: PD090828.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 418560534
Conc: 58.32 ng/ml

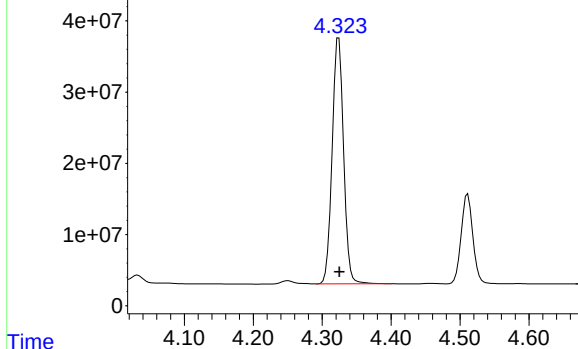
Response_ Signal: PD090828.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2728896269
Conc: 53.41 ng/ml

Response_ Signal: PD090828.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 397734778
Conc: 58.50 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

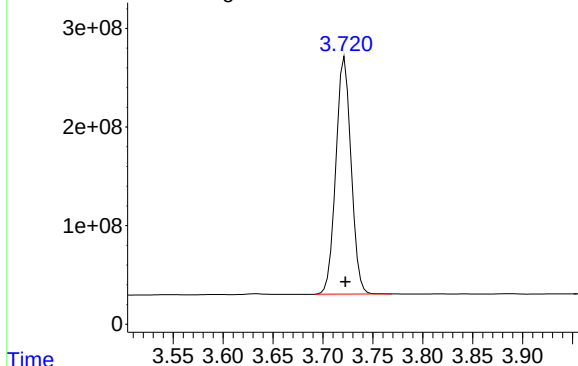
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

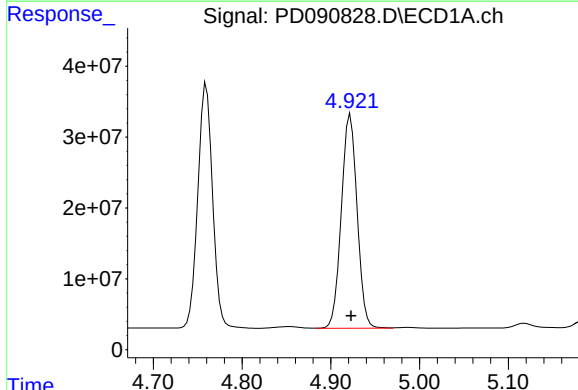
Response_ Signal: PD090828.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2554318556
Conc: 54.06 ng/ml

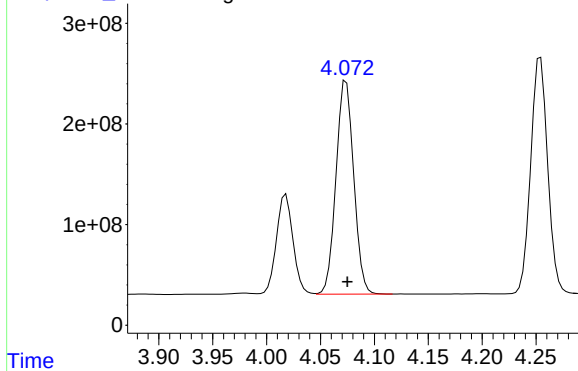
Response_ Signal: PD090828.D\ECD1A.ch



#4 Heptachlor

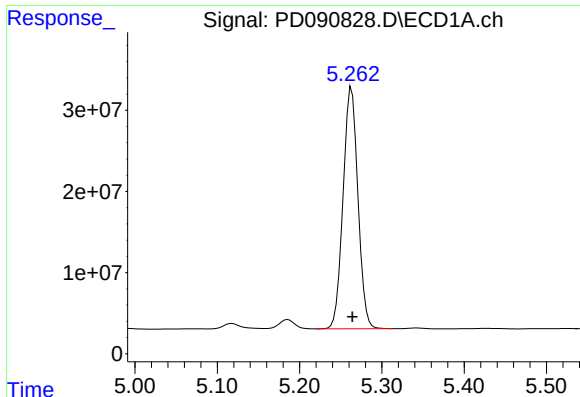
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 373639893
Conc: 66.85 ng/ml

Response_ Signal: PD090828.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 2424557071
Conc: 54.36 ng/ml



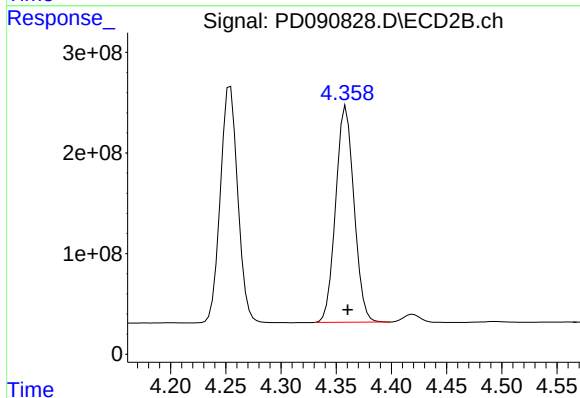
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.001 min
Response: 373604161
Conc: 57.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

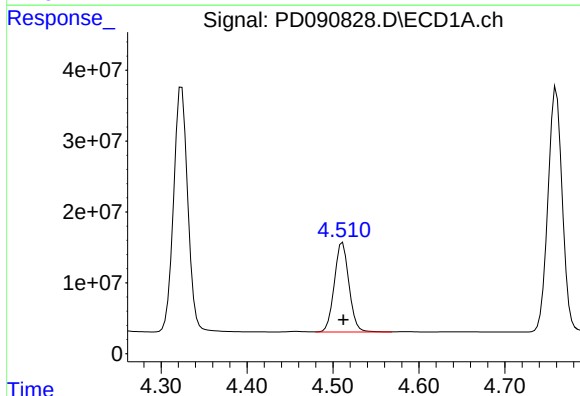
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



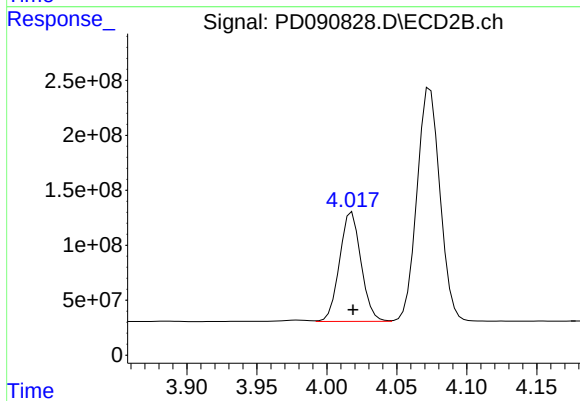
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2483127875
Conc: 53.61 ng/ml



#6 beta-BHC

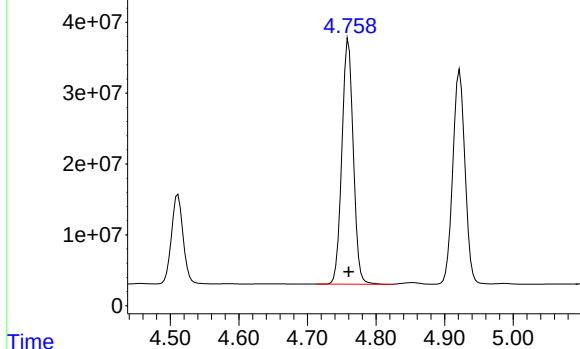
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 148885624
Conc: 56.83 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 1060811122
Conc: 53.50 ng/ml

Response_ Signal: PD090828.D\ECD1A.ch



#7 delta-BHC

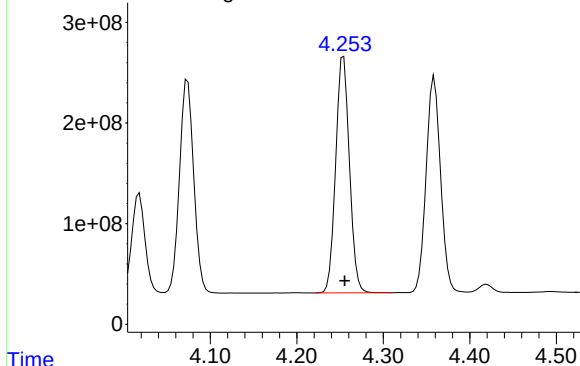
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 398722988
Conc: 58.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

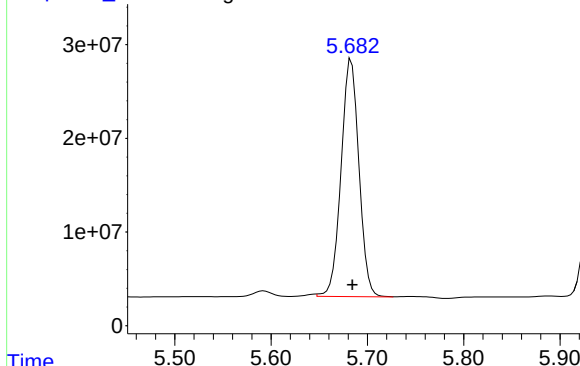
Response_ Signal: PD090828.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2582188949
Conc: 54.12 ng/ml

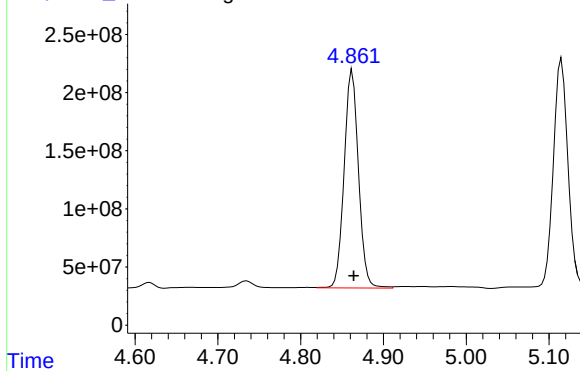
Response_ Signal: PD090828.D\ECD1A.ch



#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.002 min
Response: 325283765
Conc: 56.19 ng/ml m

Response_ Signal: PD090828.D\ECD2B.ch



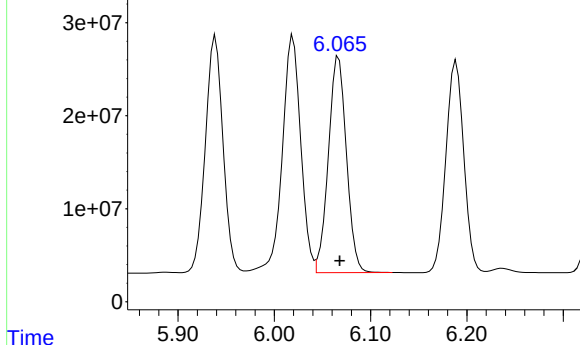
#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2257748918
Conc: 52.95 ng/ml

Response_

Signal: PD090828.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.067 min
 Delta R.T.: -0.001 min
 Response: 303854237
 Conc: 54.88 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

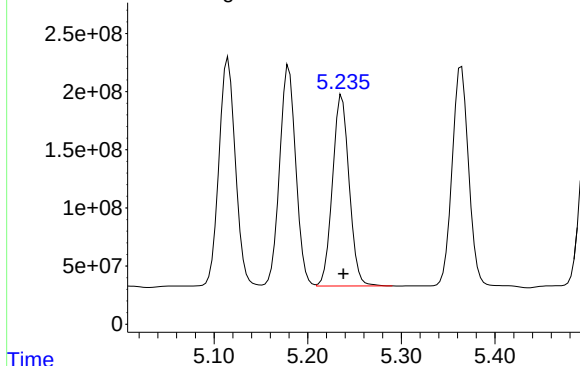
Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Time

Response_

Signal: PD090828.D\ECD2B.ch

#9 Endosulfan I



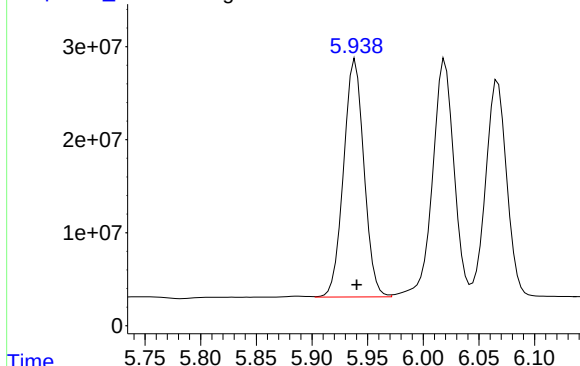
R.T.: 5.237 min
 Delta R.T.: -0.002 min
 Response: 2030668595
 Conc: 51.55 ng/ml

Time

Response_

Signal: PD090828.D\ECD1A.ch

#10 gamma-Chlordane



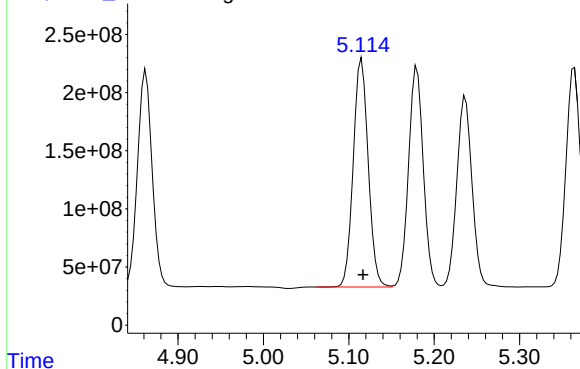
R.T.: 5.939 min
 Delta R.T.: -0.001 min
 Response: 325524274
 Conc: 54.88 ng/ml

Time

Response_

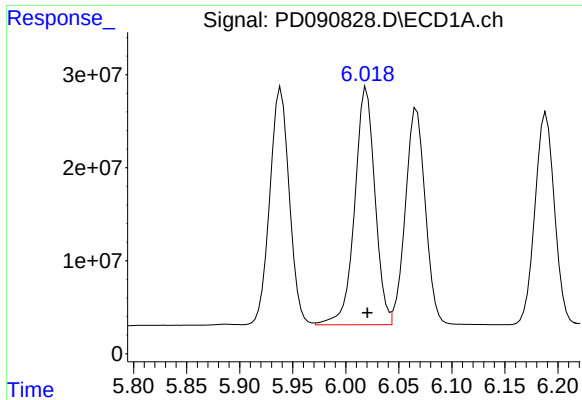
Signal: PD090828.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.115 min
 Delta R.T.: -0.002 min
 Response: 2390017218
 Conc: 53.17 ng/ml

Time



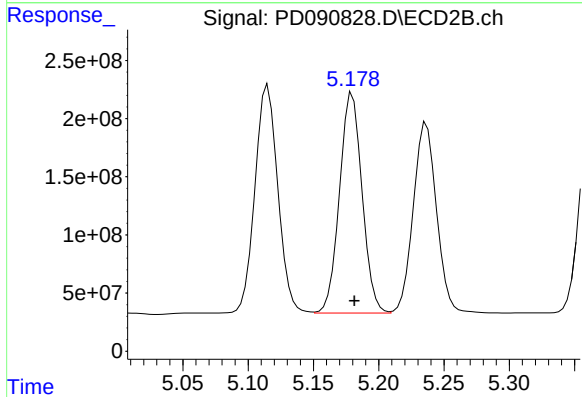
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.001 min
Response: 340009896
Conc: 55.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

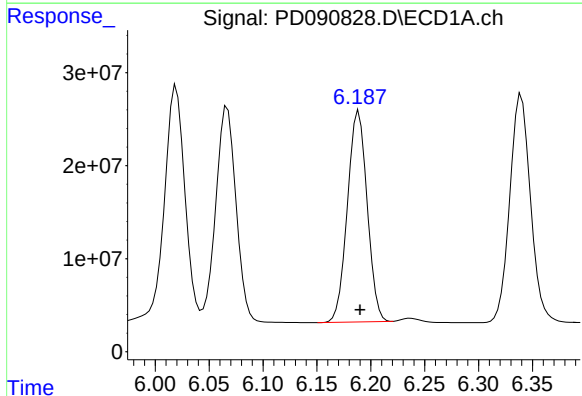
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



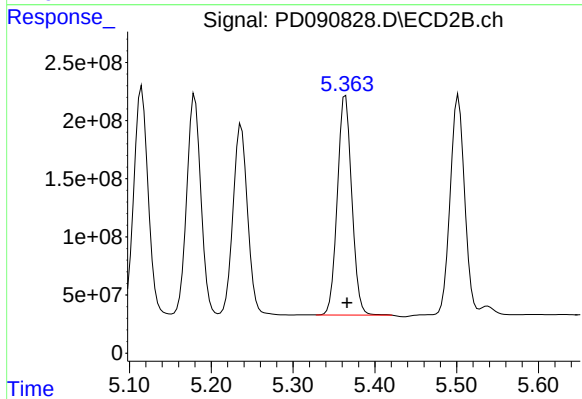
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.002 min
Response: 2277432295
Conc: 52.79 ng/ml



#12 4,4'-DDE

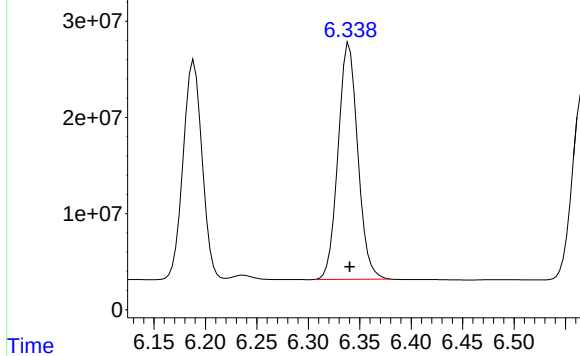
R.T.: 6.189 min
Delta R.T.: -0.001 min
Response: 289802274
Conc: 54.41 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2304764093
Conc: 52.57 ng/ml

Response_ Signal: PD090828.D\ECD1A.ch



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 327597228
Conc: 56.18 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

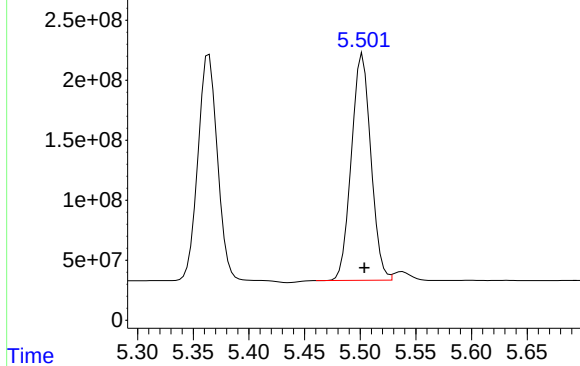
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

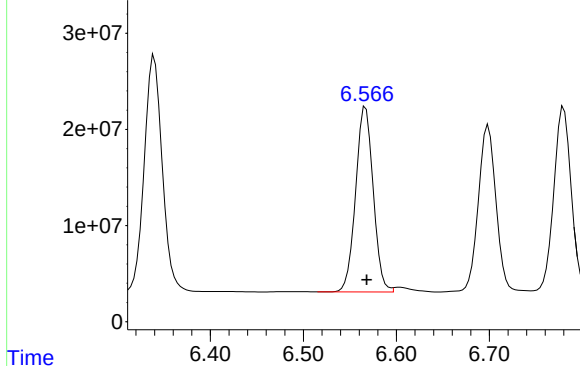
Response_ Signal: PD090828.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2304392596
Conc: 52.15 ng/ml

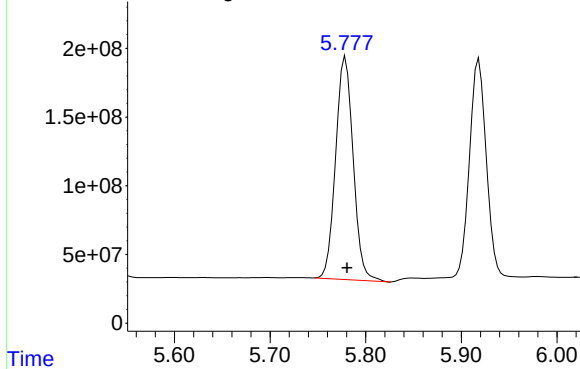
Response_ Signal: PD090828.D\ECD1A.ch



#14 Endrin

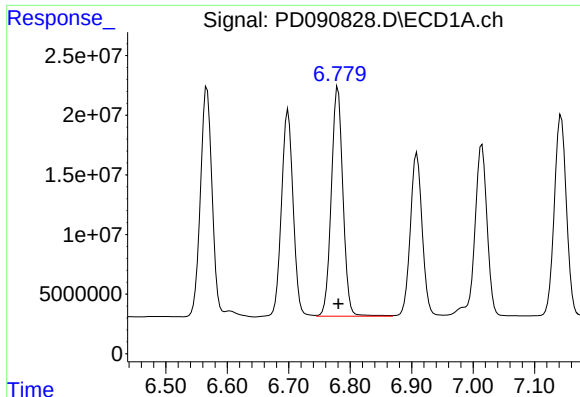
R.T.: 6.567 min
Delta R.T.: -0.001 min
Response: 252672852
Conc: 51.01 ng/ml

Response_ Signal: PD090828.D\ECD2B.ch



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2070861771
Conc: 51.14 ng/ml



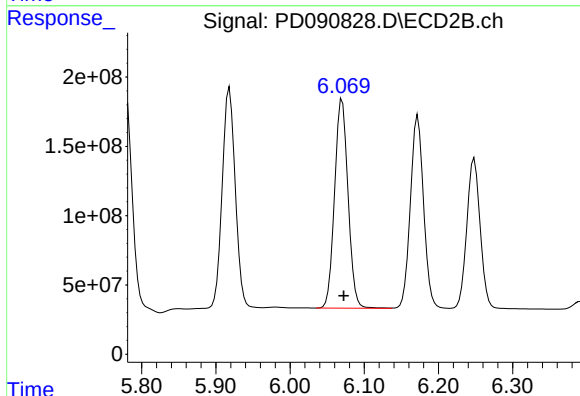
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: 0.000 min
Response: 252771754
Conc: 50.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

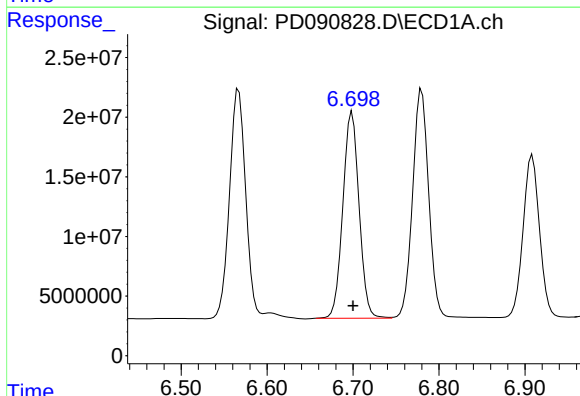
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



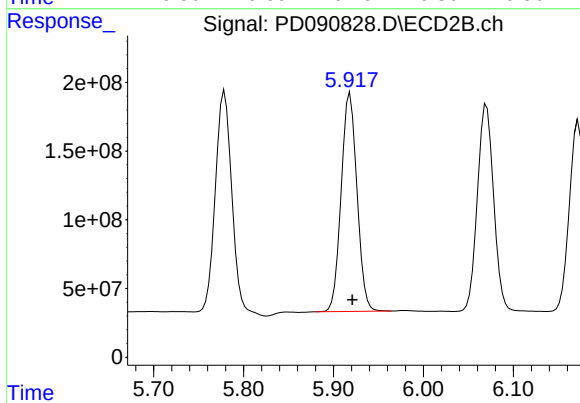
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1906482775
Conc: 50.76 ng/ml



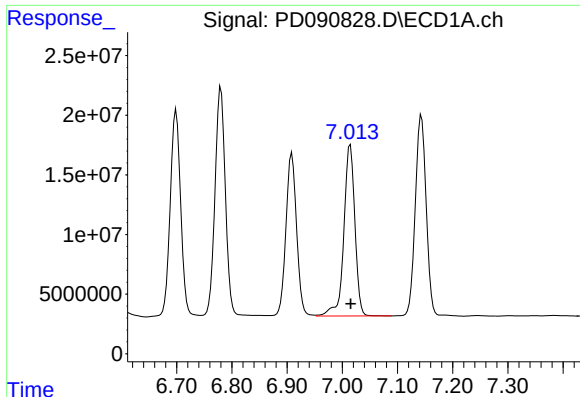
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 227492636
Conc: 56.11 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 1939654502
Conc: 53.23 ng/ml



#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: 0.000 min
Response: 199803130
Conc: 48.61 ng/ml

Instrument :

ECD_D

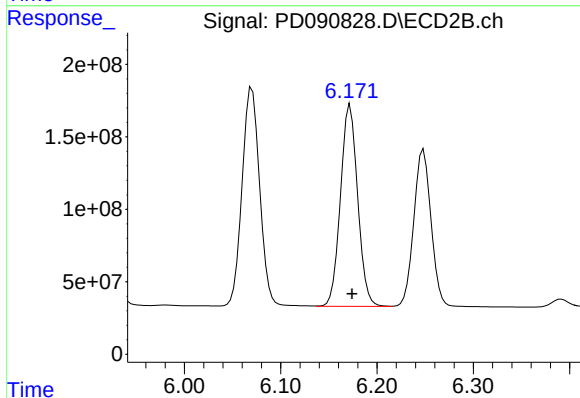
ClientSampleId :

PSTDCCC050

Manual Integrations

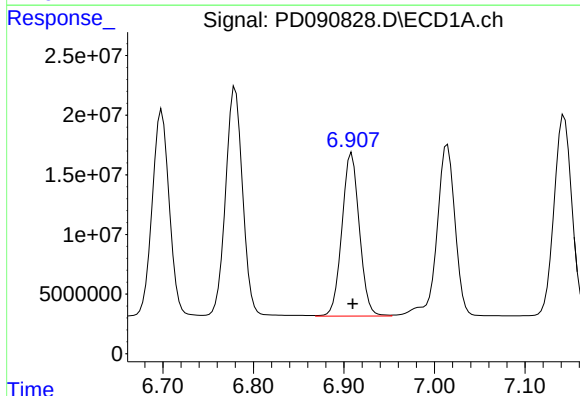
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



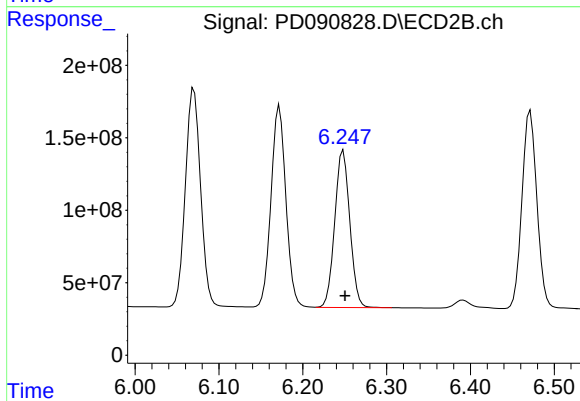
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1720319940
Conc: 49.05 ng/ml



#18 Endrin aldehyde

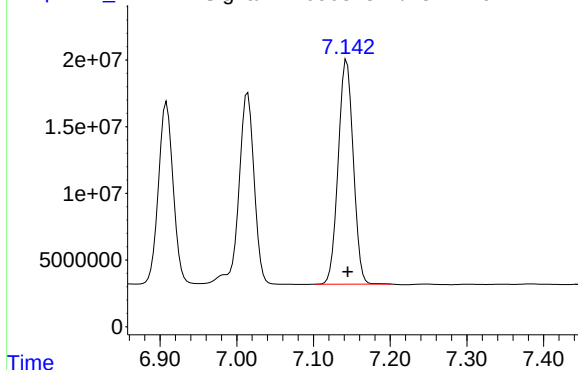
R.T.: 6.909 min
Delta R.T.: -0.001 min
Response: 183349828
Conc: 50.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 1352740597
Conc: 48.85 ng/ml

Response_ Signal: PD090828.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.002 min
Response: 230056512
Conc: 49.60 ng/ml

Instrument :

ECD_D

ClientSampleId :

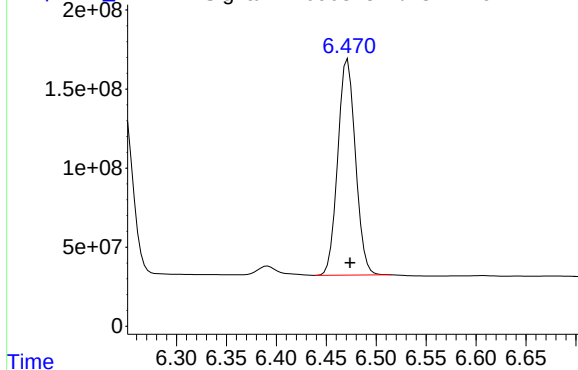
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

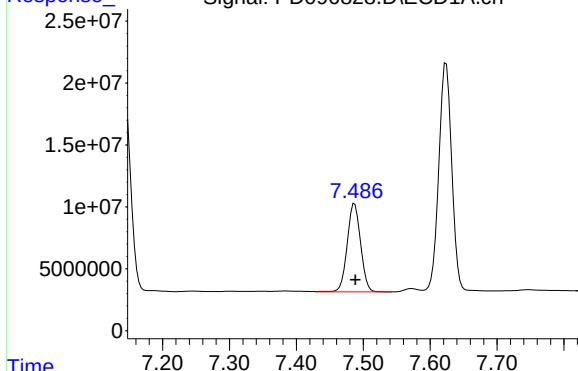
Response_ Signal: PD090828.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1683042542
Conc: 46.95 ng/ml

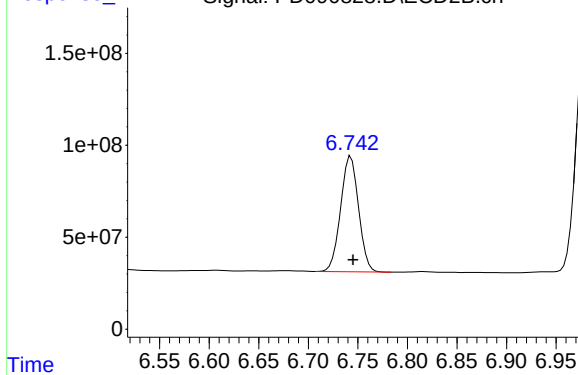
Response_ Signal: PD090828.D\ECD1A.ch



#20 Methoxychlor

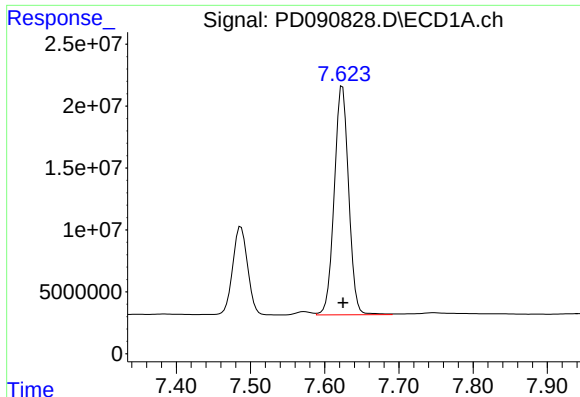
R.T.: 7.487 min
Delta R.T.: -0.001 min
Response: 99918008
Conc: 47.01 ng/ml

Response_ Signal: PD090828.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 790592534
Conc: 45.36 ng/ml



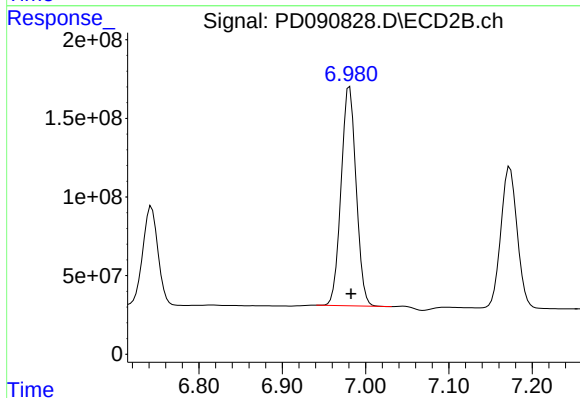
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 250017954
Conc: 51.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

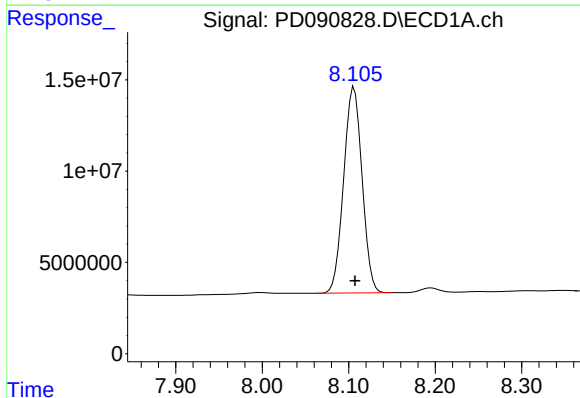
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



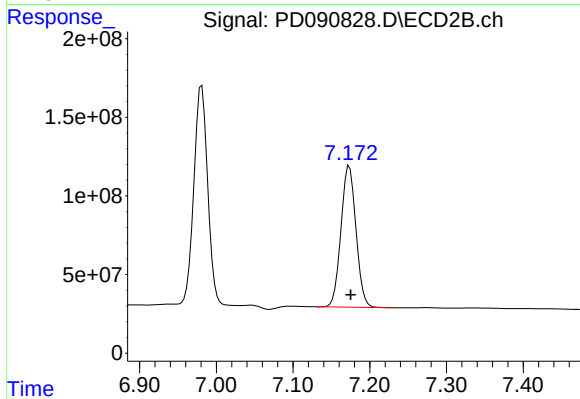
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 1746794594
Conc: 46.31 ng/ml



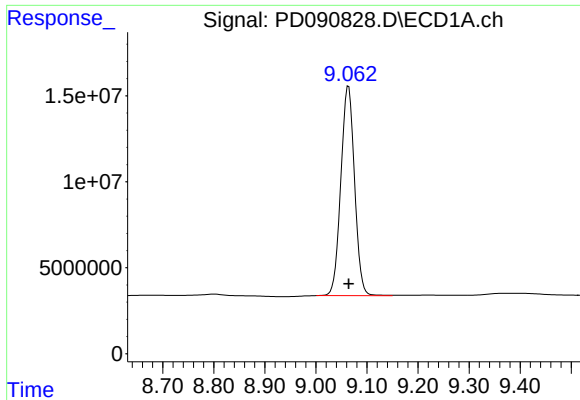
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.001 min
Response: 165905308
Conc: 51.83 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1222437828
Conc: 47.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 227540319
Conc: 48.64 ng/ml

Instrument :

ECD_D

ClientSampleId :

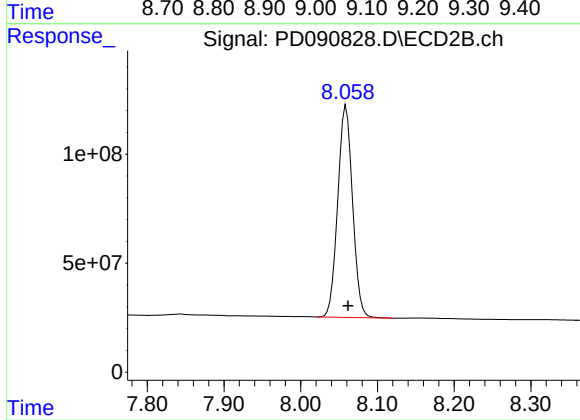
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 1304150365
Conc: 43.05 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/27/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 10:30

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/27/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 10:30

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/27/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090832.D **Time Analyzed:** 10:30

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.600	6.800	48.630	50.000	-2.7
4,4'-DDE	6.194	6.090	6.290	46.980	50.000	-6.0
4,4'-DDT	7.019	6.915	7.115	48.910	50.000	-2.2
Aldrin	5.268	5.164	5.364	47.280	50.000	-5.4
alpha-BHC	3.998	3.894	4.094	47.220	50.000	-5.6
alpha-Chlordane	6.025	5.921	6.121	49.820	50.000	-0.4
beta-BHC	4.516	4.412	4.612	46.340	50.000	-7.3
Decachlorobiphenyl	9.067	8.964	9.164	42.510	50.000	-15.0
delta-BHC	4.765	4.660	4.860	47.750	50.000	-4.5
Dieldrin	6.345	6.240	6.440	48.110	50.000	-3.8
Endosulfan I	6.072	5.968	6.168	47.770	50.000	-4.5
Endosulfan II	6.784	6.681	6.881	47.070	50.000	-5.9
Endosulfan sulfate	7.149	7.045	7.245	45.830	50.000	-8.3
Endrin	6.572	6.468	6.668	46.740	50.000	-6.5
Endrin aldehyde	6.914	6.810	7.010	47.200	50.000	-5.6
Endrin ketone	7.628	7.525	7.725	46.690	50.000	-6.6
gamma-BHC (Lindane)	4.329	4.225	4.425	47.340	50.000	-5.3
gamma-Chlordane	5.944	5.840	6.040	47.160	50.000	-5.7
Heptachlor	4.927	4.823	5.023	56.770	50.000	13.5
Heptachlor epoxide	5.688	5.584	5.784	48.750	50.000	-2.5
Methoxychlor	7.492	7.388	7.588	47.310	50.000	-5.4
Tetrachloro-m-xylene	3.549	3.445	3.645	45.280	50.000	-9.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/27/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090832.D **Time Analyzed:** 10:30

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	45.810	50.000	-8.4
4,4'-DDE	5.365	5.266	5.466	45.380	50.000	-9.2
4,4'-DDT	6.173	6.074	6.274	48.000	50.000	-4.0
Aldrin	4.359	4.261	4.461	44.630	50.000	-10.7
alpha-BHC	3.385	3.287	3.487	44.640	50.000	-10.7
alpha-Chlordane	5.180	5.081	5.281	45.130	50.000	-9.7
beta-BHC	4.017	3.919	4.119	44.090	50.000	-11.8
Decachlorobiphenyl	8.059	7.962	8.162	42.750	50.000	-14.5
delta-BHC	4.253	4.155	4.355	44.740	50.000	-10.5
Dieldrin	5.503	5.404	5.604	45.500	50.000	-9.0
Endosulfan I	5.237	5.138	5.338	44.640	50.000	-10.7
Endosulfan II	6.071	5.972	6.172	45.710	50.000	-8.6
Endosulfan sulfate	6.472	6.374	6.574	45.240	50.000	-9.5
Endrin	5.779	5.681	5.881	44.000	50.000	-12.0
Endrin aldehyde	6.249	6.150	6.350	45.970	50.000	-8.1
Endrin ketone	6.981	6.883	7.083	45.280	50.000	-9.4
gamma-BHC (Lindane)	3.721	3.623	3.823	44.670	50.000	-10.7
gamma-Chlordane	5.115	5.017	5.217	45.110	50.000	-9.8
Heptachlor	4.073	3.975	4.175	46.090	50.000	-7.8
Heptachlor epoxide	4.863	4.764	4.964	44.480	50.000	-11.0
Methoxychlor	6.743	6.645	6.845	45.770	50.000	-8.5
Tetrachloro-m-xylene	2.872	2.775	2.975	44.230	50.000	-11.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090832.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 10:30
 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: Oct 28 01:07:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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	2.872	141.0E6	1316.9E6	45.278	44.226
28)	SA Decachlor...	9.067	8.059	198.8E6	1294.8E6	42.507	42.746
Target Compounds							
2)	A alpha-BHC	3.998	3.385	338.9E6	2280.9E6	47.222	44.641
3)	MA gamma-BHC...	4.329	3.721	321.9E6	2110.8E6	47.340	44.675
4)	MA Heptachlor	4.927	4.073	317.3E6	2055.9E6	56.765	46.092
5)	MB Aldrin	5.268	4.359	309.6E6	2067.0E6	47.280	44.625
6)	B beta-BHC	4.516	4.017	121.4E6	874.3E6	46.344	44.092
7)	B delta-BHC	4.765	4.253	322.9E6	2135.1E6	47.753	44.745
8)	B Heptachlo...	5.688	4.863	282.2E6	1896.7E6	48.751	44.484
9)	A Endosulfan I	6.072	5.237	264.5E6	1758.3E6	47.770	44.639
10)	B gamma-Chl...	5.944	5.115	279.7E6	2027.8E6	47.163	45.114
11)	B alpha-Chl...	6.025	5.180	307.9E6	1946.8E6	49.824	45.130
12)	B 4,4'-DDE	6.194	5.365	250.2E6	1989.6E6	46.979	45.384
13)	MA Dieldrin	6.345	5.503	280.5E6	2010.2E6	48.108	45.495
14)	MA Endrin	6.572	5.779	231.5E6	1781.8E6	46.741	44.003
15)	B Endosulfa...	6.784	6.071	235.4E6	1716.7E6	47.074	45.712
16)	A 4,4'-DDD	6.704	5.919	197.1E6	1669.4E6	48.626	45.814
17)	MA 4,4'-DDT	7.019	6.173	201.1E6	1683.6E6	48.915	48.004
18)	B Endrin al...	6.914	6.249	172.9E6	1272.9E6	47.196	45.966
19)	B Endosulfa...	7.149	6.472	212.6E6	1621.7E6	45.830	45.243
20)	A Methoxychlor	7.492	6.743	100.6E6	797.7E6	47.308	45.771
21)	B Endrin ke...	7.628	6.981	226.9E6	1707.9E6	46.690	45.281
22)	Mirex	8.110	7.174	143.5E6	1165.0E6	44.825	45.348

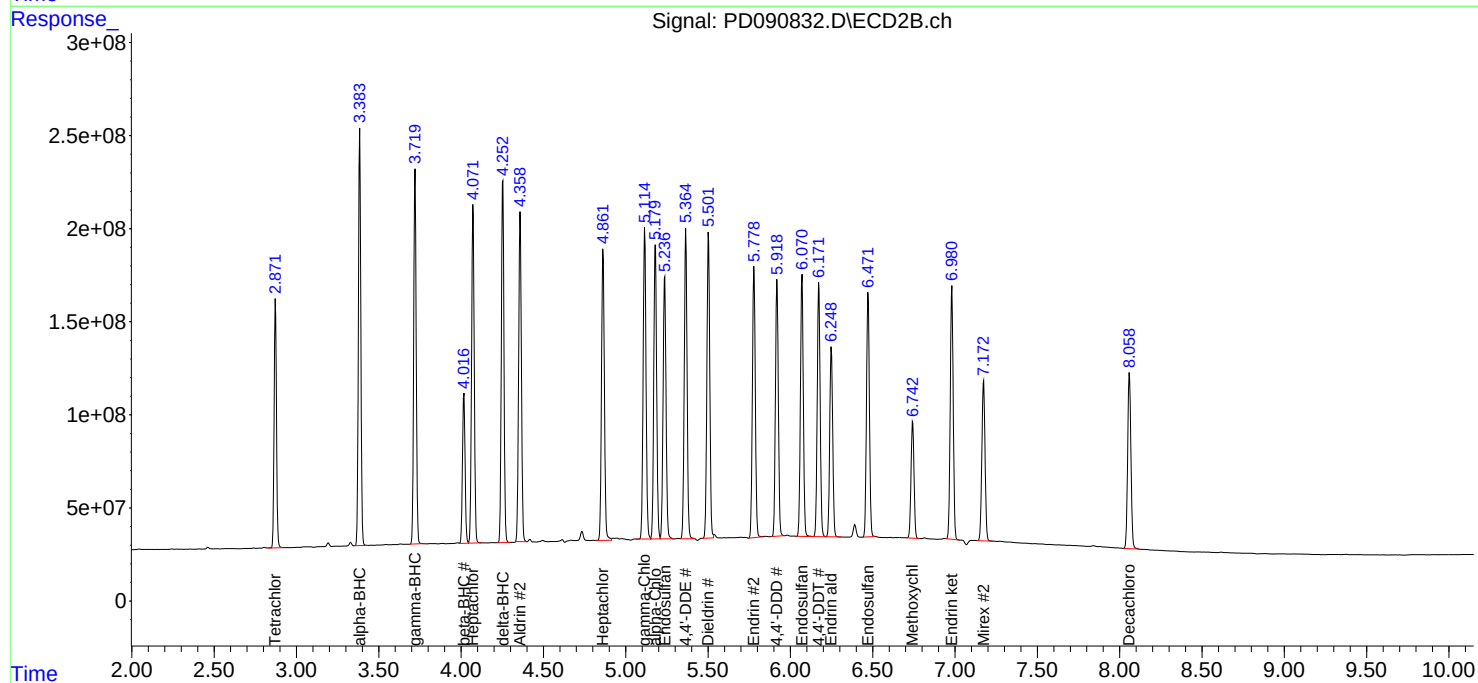
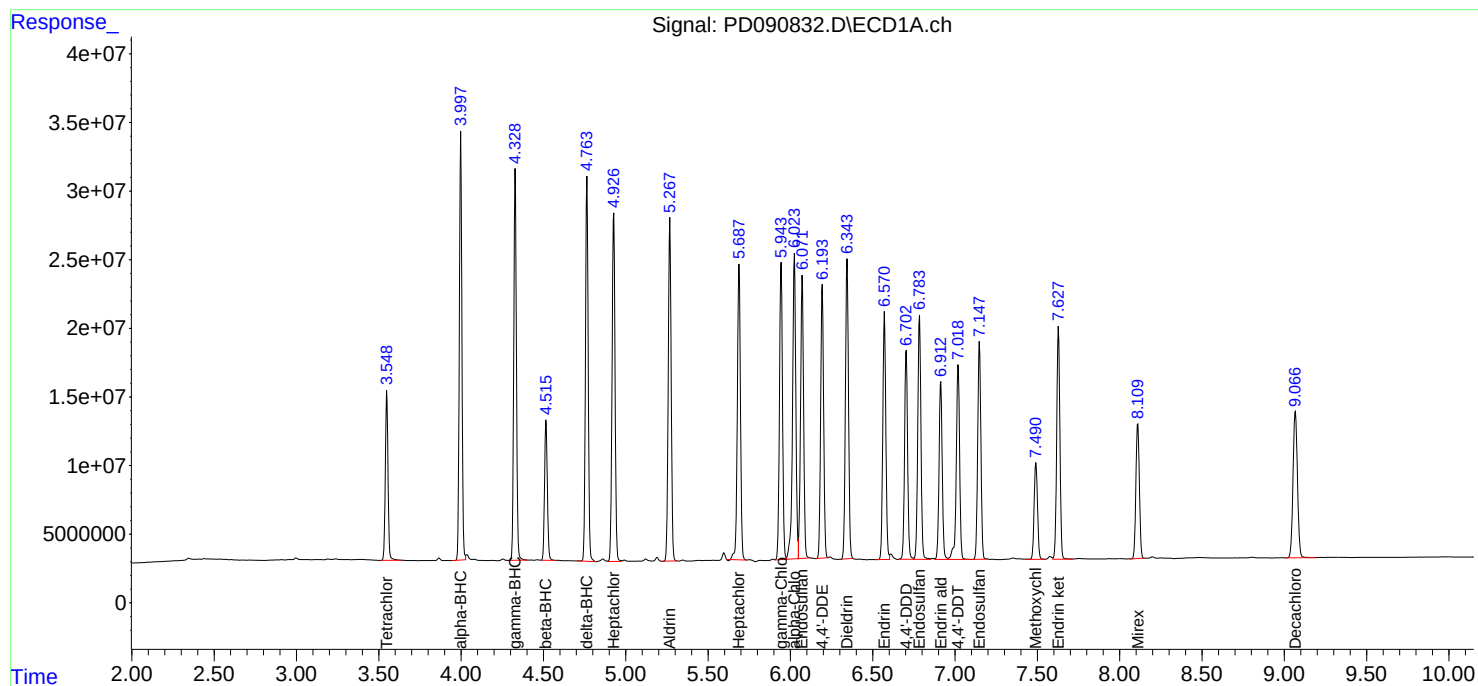
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090832.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 10:30
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

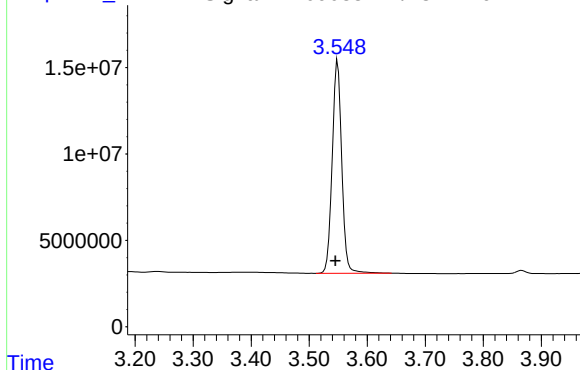
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:07:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090832.D\ECD1A.ch

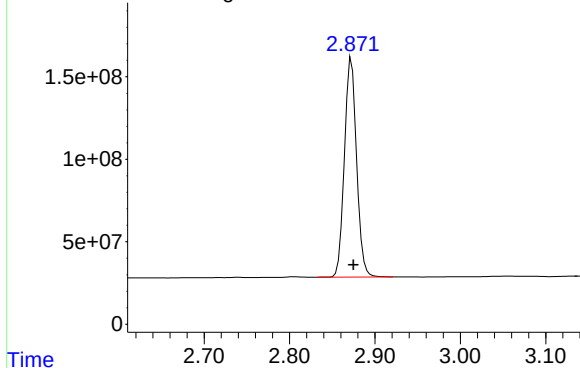


#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.004 min
Response: 141003481
Conc: 45.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

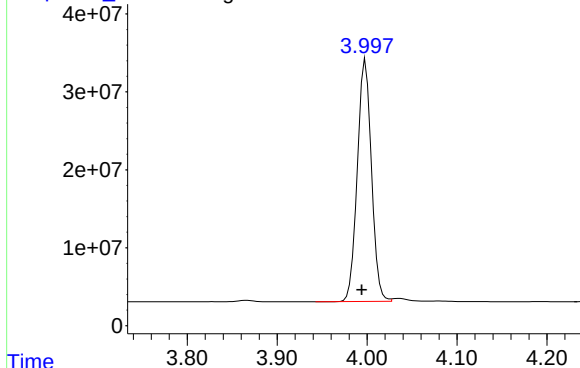
Response_ Signal: PD090832.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 1316936590
Conc: 44.23 ng/ml

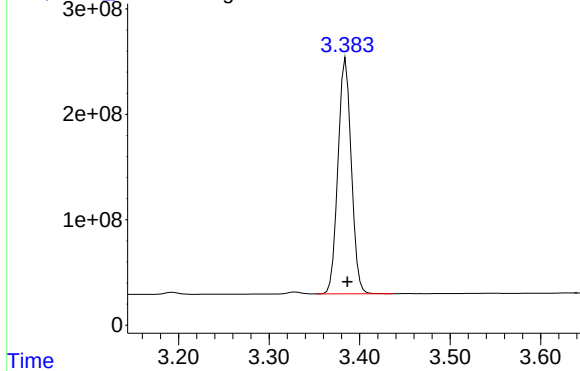
Response_ Signal: PD090832.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.004 min
Response: 338921535
Conc: 47.22 ng/ml

Response_ Signal: PD090832.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 2280943537
Conc: 44.64 ng/ml

Response_ Signal: PD090832.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.004 min
Response: 321855838
Conc: 47.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time

Response_ Signal: PD090832.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 2110842504
Conc: 44.67 ng/ml

Time

Response_ Signal: PD090832.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.004 min
Response: 317292420
Conc: 56.77 ng/ml

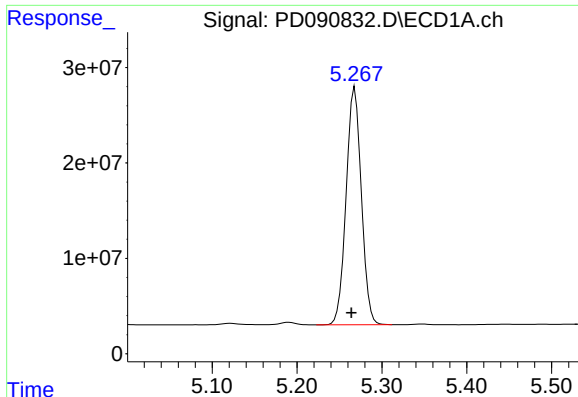
Time

Response_ Signal: PD090832.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2055853416
Conc: 46.09 ng/ml

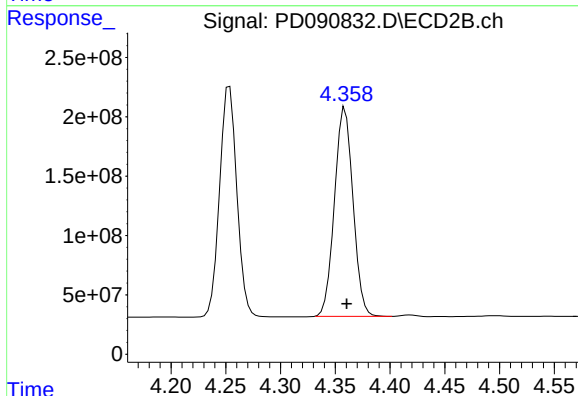
Time



#5 Aldrin

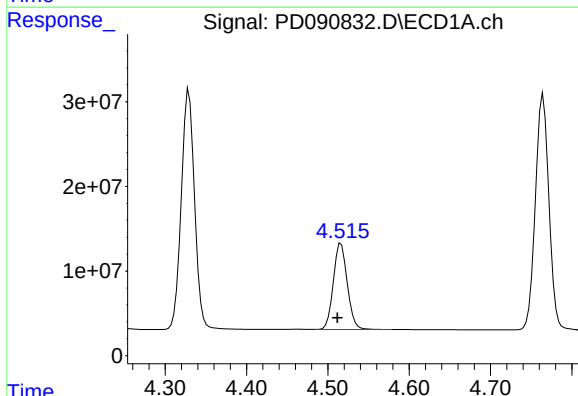
R.T.: 5.268 min
Delta R.T.: 0.004 min
Response: 309553998
Conc: 47.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



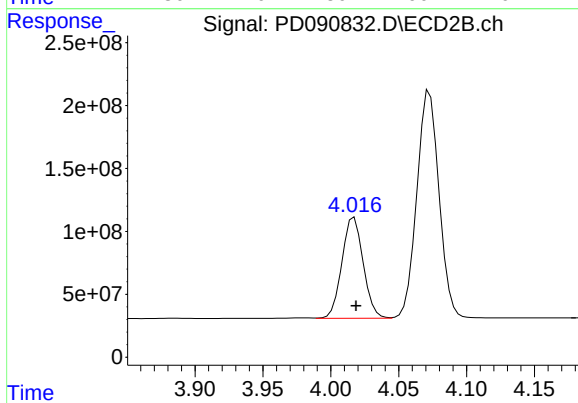
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2066980546
Conc: 44.63 ng/ml



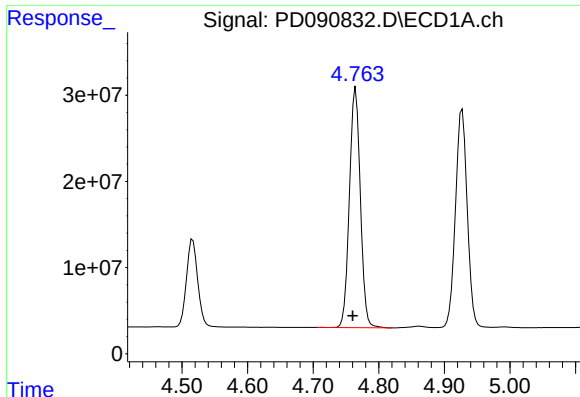
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.004 min
Response: 121405362
Conc: 46.34 ng/ml



#6 beta-BHC

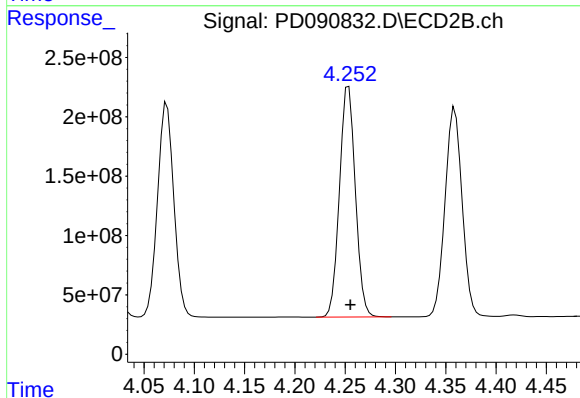
R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 874323500
Conc: 44.09 ng/ml



#7 delta-BHC

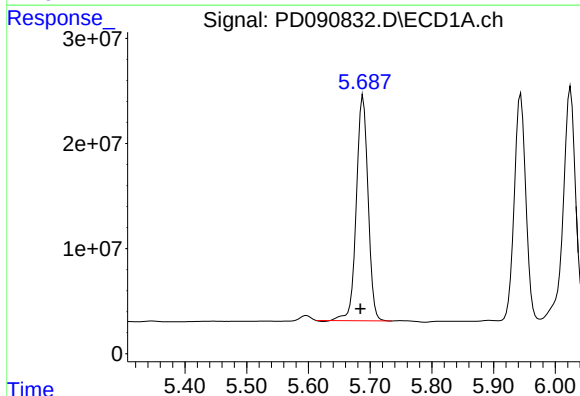
R.T.: 4.765 min
Delta R.T.: 0.005 min
Response: 322895300
Conc: 47.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



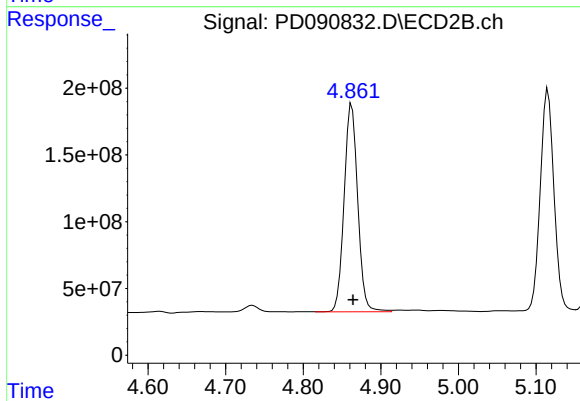
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2135063821
Conc: 44.74 ng/ml



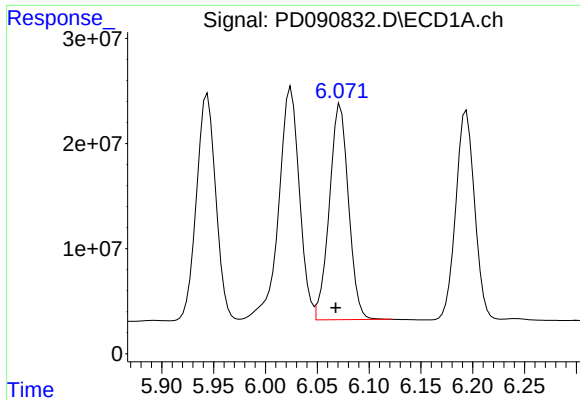
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.004 min
Response: 282220346
Conc: 48.75 ng/ml



#8 Heptachlor epoxide

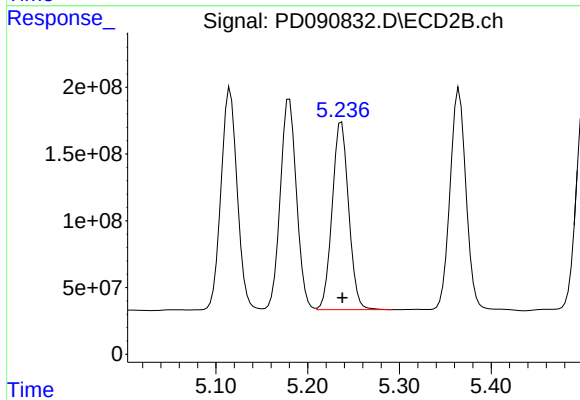
R.T.: 4.863 min
Delta R.T.: -0.001 min
Response: 1896745416
Conc: 44.48 ng/ml



#9 Endosulfan I

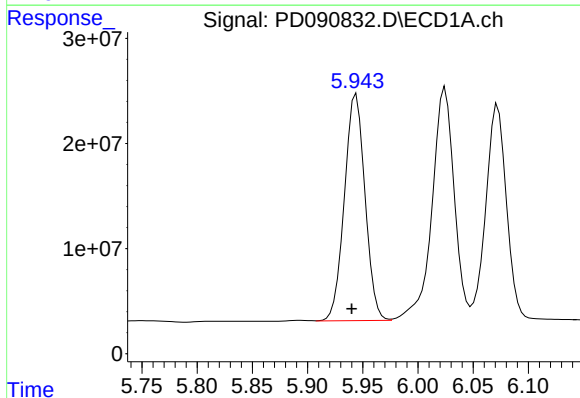
R.T.: 6.072 min
Delta R.T.: 0.004 min
Response: 264483225
Conc: 47.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



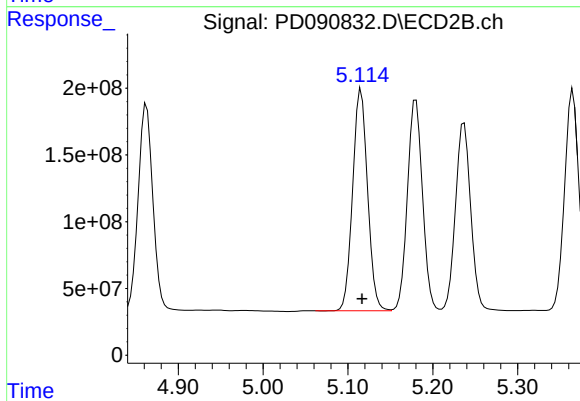
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.001 min
Response: 1758342121
Conc: 44.64 ng/ml



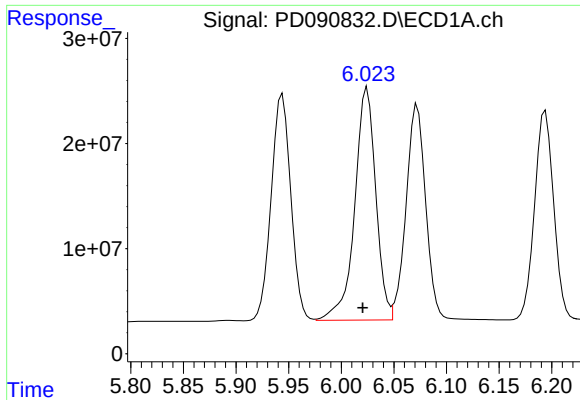
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.004 min
Response: 279730639
Conc: 47.16 ng/ml



#10 gamma-Chlordane

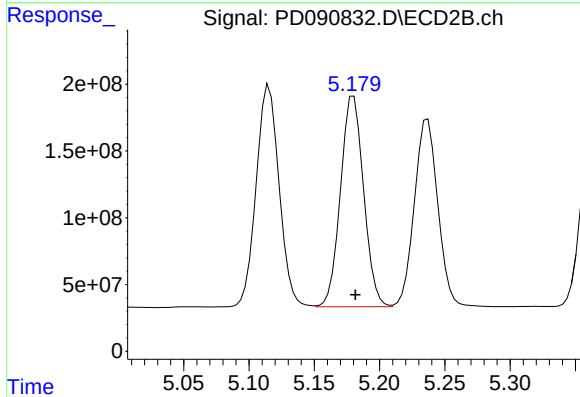
R.T.: 5.115 min
Delta R.T.: -0.001 min
Response: 2027808192
Conc: 45.11 ng/ml



#11 alpha-Chlordane

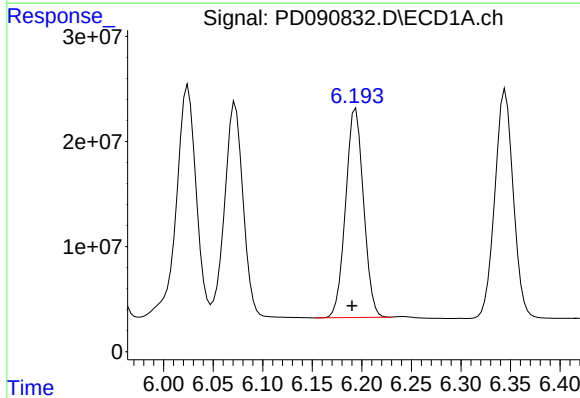
R.T.: 6.025 min
Delta R.T.: 0.004 min
Response: 307923441
Conc: 49.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



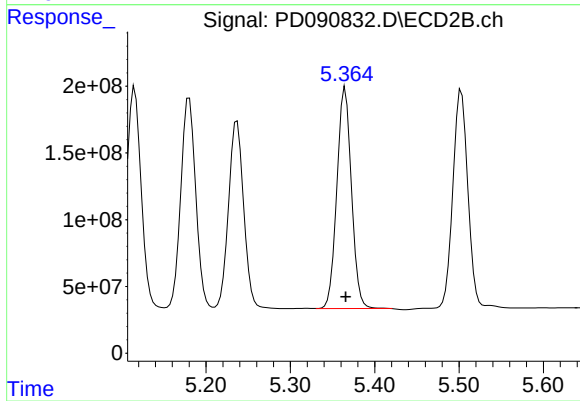
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 1946785396
Conc: 45.13 ng/ml



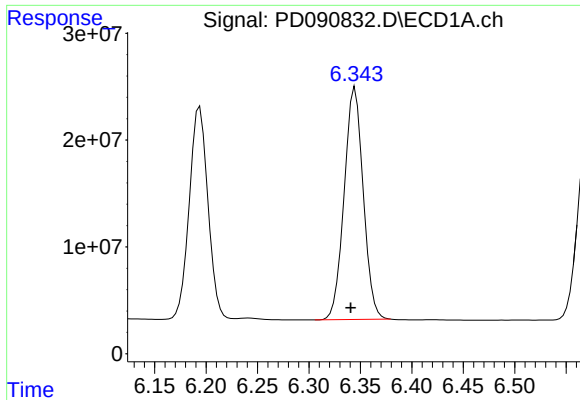
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.004 min
Response: 250241282
Conc: 46.98 ng/ml



#12 4,4'-DDE

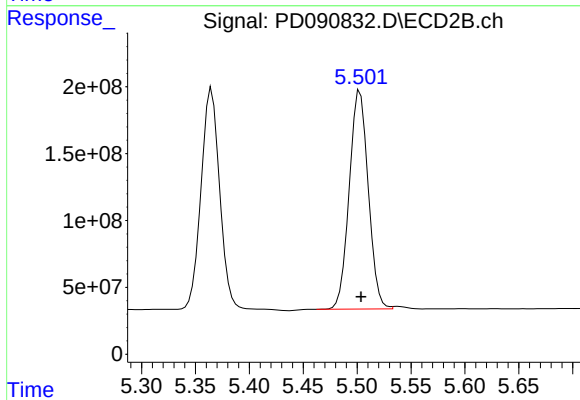
R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 1989573007
Conc: 45.38 ng/ml



#13 Dieldrin

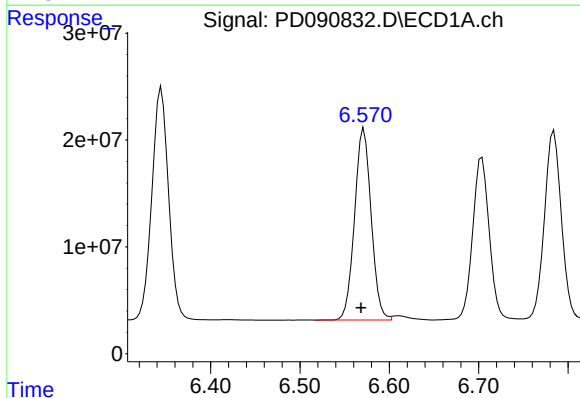
R.T.: 6.345 min
Delta R.T.: 0.004 min
Response: 280533387
Conc: 48.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



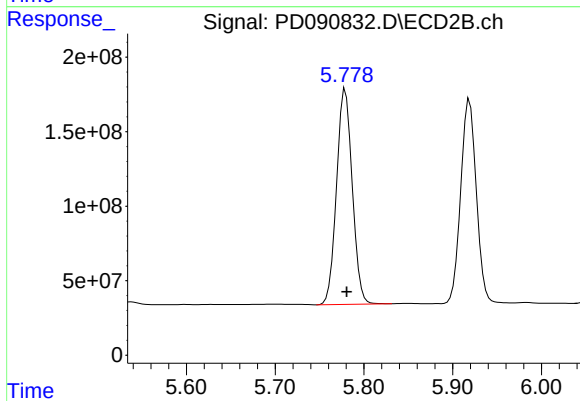
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.001 min
Response: 2010150163
Conc: 45.50 ng/ml



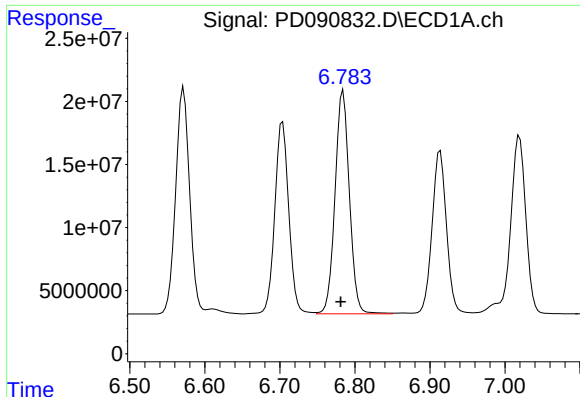
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.003 min
Response: 231539514
Conc: 46.74 ng/ml



#14 Endrin

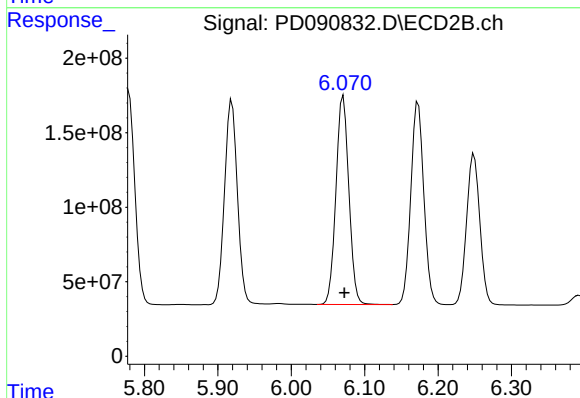
R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 1781839954
Conc: 44.00 ng/ml



#15 Endosulfan II

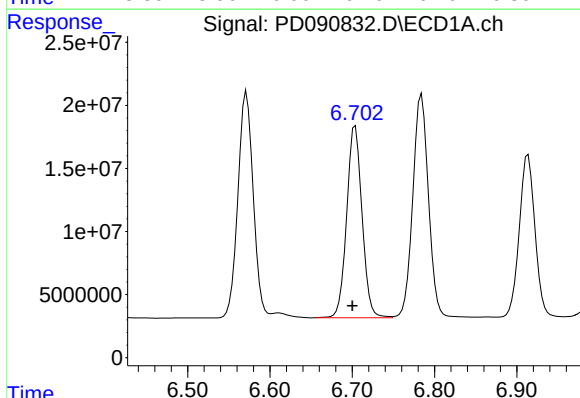
R.T.: 6.784 min
Delta R.T.: 0.003 min
Response: 235366584
Conc: 47.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



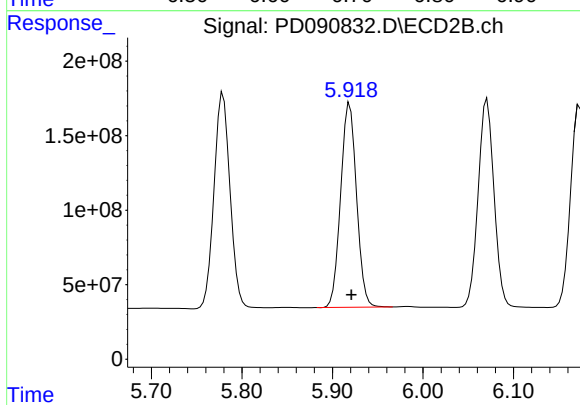
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 1716718466
Conc: 45.71 ng/ml



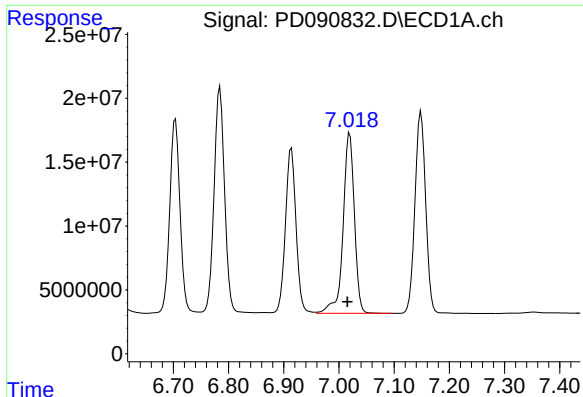
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.004 min
Response: 197141376
Conc: 48.63 ng/ml



#16 4,4'-DDD

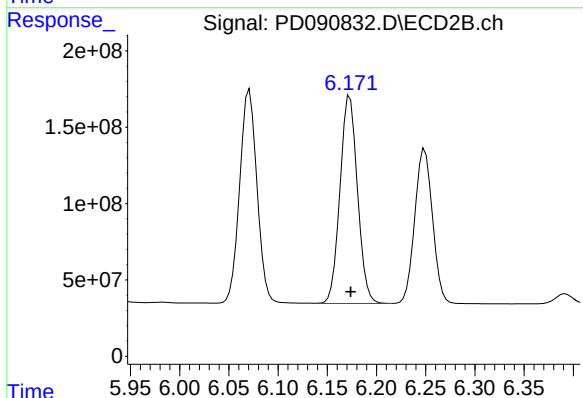
R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1669387730
Conc: 45.81 ng/ml



#17 4,4'-DDT

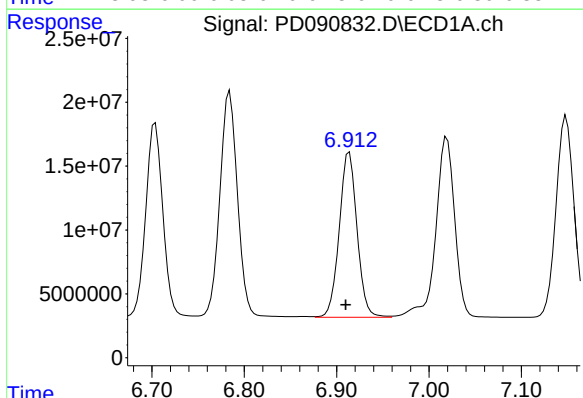
R.T.: 7.019 min
Delta R.T.: 0.004 min
Response: 201062281
Conc: 48.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



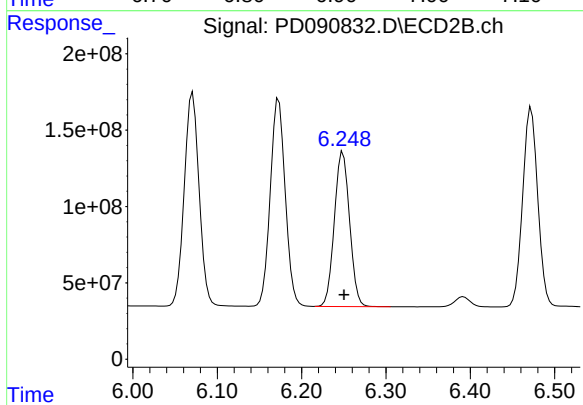
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.001 min
Response: 1683647358
Conc: 48.00 ng/ml



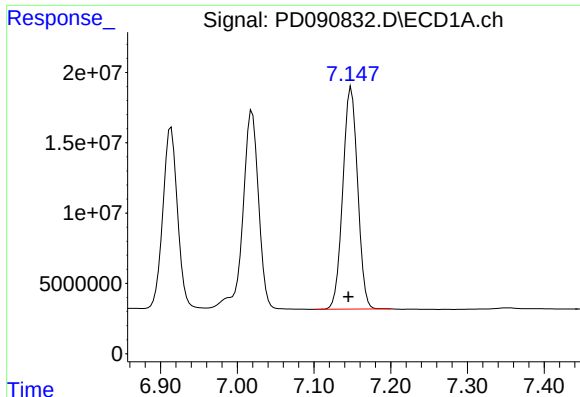
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.004 min
Response: 172864869
Conc: 47.20 ng/ml



#18 Endrin aldehyde

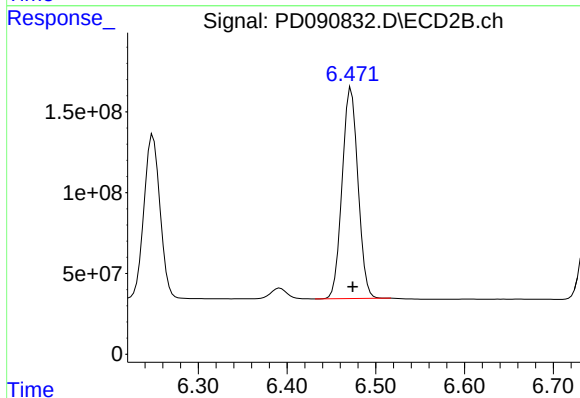
R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1272918021
Conc: 45.97 ng/ml



#19 Endosulfan Sulfate

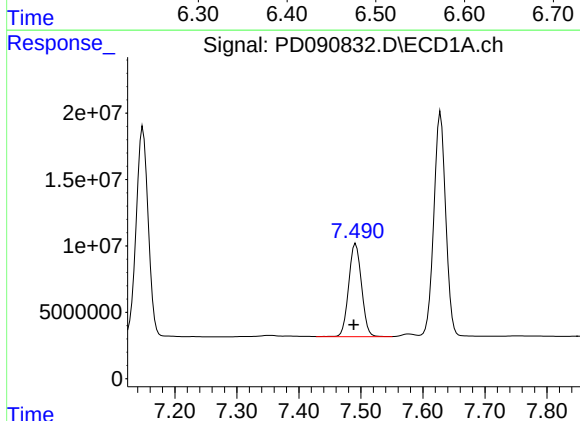
R.T.: 7.149 min
Delta R.T.: 0.004 min
Response: 212566274
Conc: 45.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



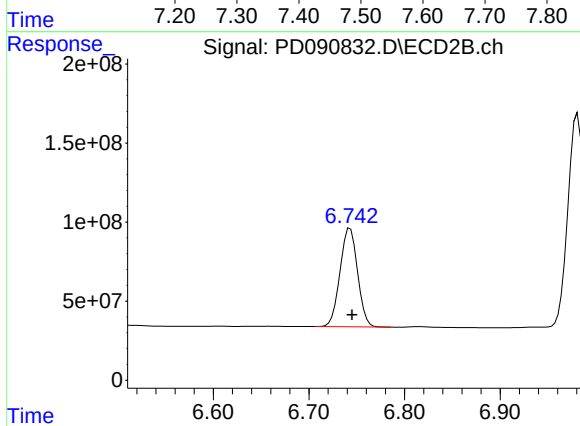
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1621737077
Conc: 45.24 ng/ml



#20 Methoxychlor

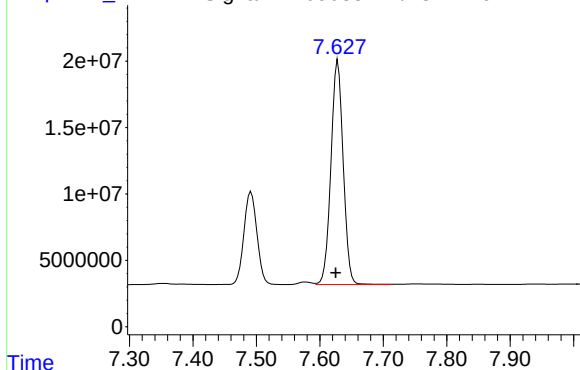
R.T.: 7.492 min
Delta R.T.: 0.003 min
Response: 100558244
Conc: 47.31 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 797686198
Conc: 45.77 ng/ml

Response_ Signal: PD090832.D\ECD1A.ch

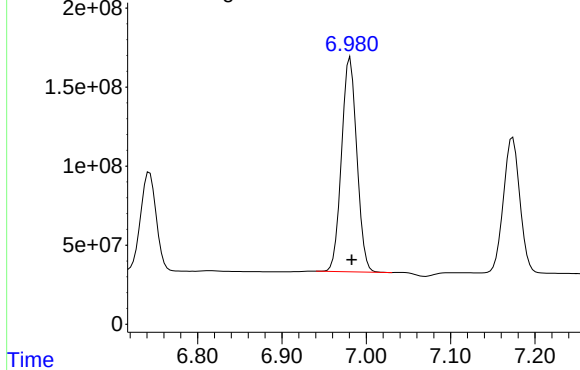


#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.004 min
Response: 226858475
Conc: 46.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

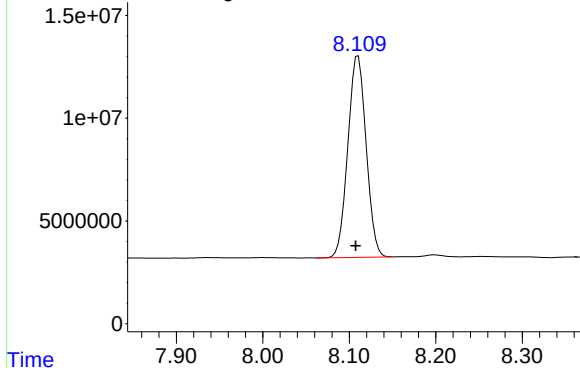
Response_ Signal: PD090832.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 1707887864
Conc: 45.28 ng/ml

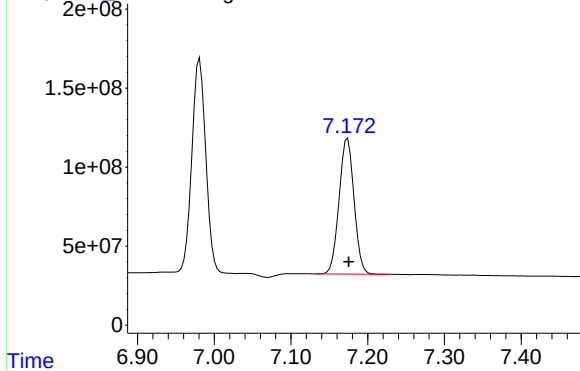
Response_ Signal: PD090832.D\ECD1A.ch



#22 Mirex

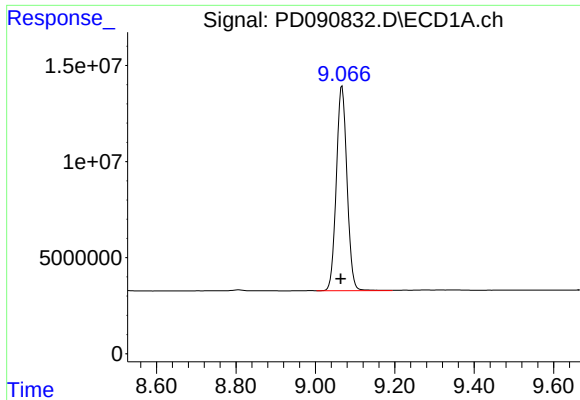
R.T.: 8.110 min
Delta R.T.: 0.003 min
Response: 143478492
Conc: 44.83 ng/ml

Response_ Signal: PD090832.D\ECD2B.ch



#22 Mirex

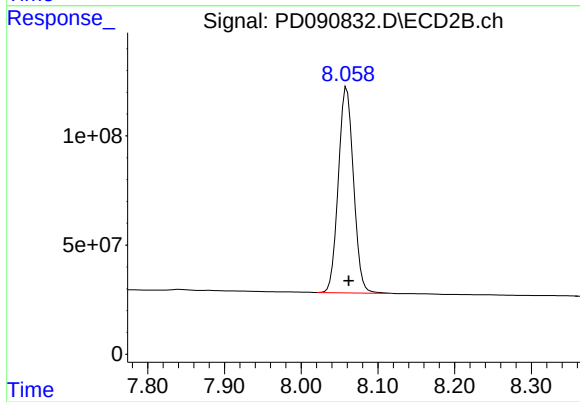
R.T.: 7.174 min
Delta R.T.: -0.002 min
Response: 1165036908
Conc: 45.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 198844064
Conc: 42.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.002 min
Response: 1294832317
Conc: 42.75 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/27/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 16:45

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/27/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 16:45

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/27/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090845.D **Time Analyzed:** 16:45

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.705	6.600	6.800	51.870	50.000	3.7
4,4'-DDE	6.195	6.090	6.290	48.110	50.000	-3.8
4,4'-DDT	7.020	6.915	7.115	46.490	50.000	-7.0
Aldrin	5.269	5.164	5.364	49.430	50.000	-1.1
alpha-BHC	3.999	3.894	4.094	49.620	50.000	-0.8
alpha-Chlordane	6.025	5.921	6.121	47.260	50.000	-5.5
beta-BHC	4.518	4.412	4.612	48.340	50.000	-3.3
Decachlorobiphenyl	9.070	8.964	9.164	59.140	50.000	18.3
delta-BHC	4.766	4.660	4.860	50.420	50.000	0.8
Dieldrin	6.346	6.240	6.440	49.190	50.000	-1.6
Endosulfan I	6.073	5.968	6.168	48.340	50.000	-3.3
Endosulfan II	6.786	6.681	6.881	48.320	50.000	-3.4
Endosulfan sulfate	7.149	7.045	7.245	45.990	50.000	-8.0
Endrin	6.573	6.468	6.668	47.390	50.000	-5.2
Endrin aldehyde	6.914	6.810	7.010	46.910	50.000	-6.2
Endrin ketone	7.629	7.525	7.725	46.440	50.000	-7.1
gamma-BHC (Lindane)	4.330	4.225	4.425	49.540	50.000	-0.9
gamma-Chlordane	5.945	5.840	6.040	48.620	50.000	-2.8
Heptachlor	4.928	4.823	5.023	59.040	50.000	18.1
Heptachlor epoxide	5.689	5.584	5.784	48.960	50.000	-2.1
Methoxychlor	7.493	7.388	7.588	45.720	50.000	-8.6
Tetrachloro-m-xylene	3.550	3.445	3.645	47.500	50.000	-5.0



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/27/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090845.D **Time Analyzed:** 16:45

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	46.830	50.000	-6.3
4,4'-DDE	5.364	5.266	5.466	45.750	50.000	-8.5
4,4'-DDT	6.173	6.074	6.274	44.590	50.000	-10.8
Aldrin	4.359	4.261	4.461	45.440	50.000	-9.1
alpha-BHC	3.385	3.287	3.487	45.910	50.000	-8.2
alpha-Chlordane	5.180	5.081	5.281	45.610	50.000	-8.8
beta-BHC	4.018	3.919	4.119	45.210	50.000	-9.6
Decachlorobiphenyl	8.060	7.962	8.162	56.560	50.000	13.1
delta-BHC	4.254	4.155	4.355	45.790	50.000	-8.4
Dieldrin	5.502	5.404	5.604	46.170	50.000	-7.7
Endosulfan I	5.236	5.138	5.338	44.100	50.000	-11.8
Endosulfan II	6.071	5.972	6.172	45.150	50.000	-9.7
Endosulfan sulfate	6.472	6.374	6.574	44.210	50.000	-11.6
Endrin	5.779	5.681	5.881	44.480	50.000	-11.0
Endrin aldehyde	6.249	6.150	6.350	44.280	50.000	-11.4
Endrin ketone	6.981	6.883	7.083	43.500	50.000	-13.0
gamma-BHC (Lindane)	3.721	3.623	3.823	45.770	50.000	-8.5
gamma-Chlordane	5.115	5.017	5.217	45.660	50.000	-8.7
Heptachlor	4.074	3.975	4.175	47.000	50.000	-6.0
Heptachlor epoxide	4.862	4.764	4.964	44.810	50.000	-10.4
Methoxychlor	6.743	6.645	6.845	43.580	50.000	-12.8
Tetrachloro-m-xylene	2.873	2.775	2.975	45.580	50.000	-8.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090845.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 16:45
 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: Oct 28 01:09:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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	2.873	147.9E6	1357.4E6	47.501	45.584
28)	SA Decachlor...	9.070	8.060	276.7E6	1713.3E6	59.145	56.562
Target Compounds							
2)	A alpha-BHC	3.999	3.385	356.1E6	2345.8E6	49.619	45.911
3)	MA gamma-BHC...	4.330	3.721	336.8E6	2162.8E6	49.536	45.774
4)	MA Heptachlor	4.928	4.074	330.0E6	2096.2E6	59.036	46.998
5)	MB Aldrin	5.269	4.359	323.6E6	2104.8E6	49.428	45.442
6)	B beta-BHC	4.518	4.018	126.6E6	896.4E6	48.345	45.206
7)	B delta-BHC	4.766	4.254	340.9E6	2185.1E6	50.419	45.794
8)	B Heptachlo...	5.689	4.862	283.4E6	1910.5E6	48.961	44.807
9)	A Endosulfan I	6.073	5.236	267.6E6	1737.1E6	48.341	44.101
10)	B gamma-Chl...	5.945	5.115	288.4E6	2052.5E6	48.621	45.663
11)	B alpha-Chl...	6.025	5.180	292.1E6	1967.4E6	47.264	45.608
12)	B 4,4'-DDE	6.195	5.364	256.3E6	2005.7E6	48.108	45.751
13)	MA Dieldrin	6.346	5.502	286.9E6	2039.9E6	49.195	46.168
14)	MA Endrin	6.573	5.779	234.7E6	1801.3E6	47.386	44.484
15)	B Endosulfa...	6.786	6.071	241.6E6	1695.7E6	48.317	45.151
16)	A 4,4'-DDD	6.705	5.919	210.3E6	1706.2E6	51.874	46.826
17)	MA 4,4'-DDT	7.020	6.173	191.1E6	1563.8E6	46.495	44.586
18)	B Endrin al...	6.914	6.249	171.8E6	1226.2E6	46.908	44.280
19)	B Endosulfa...	7.149	6.472	213.3E6	1584.7E6	45.988	44.211
20)	A Methoxychlor	7.493	6.743	97191425	759.5E6	45.725	43.583
21)	B Endrin ke...	7.629	6.981	225.7E6	1640.8E6	46.443	43.502
22)	Mirex	8.112	7.173	140.0E6	1096.2E6	43.727	42.670

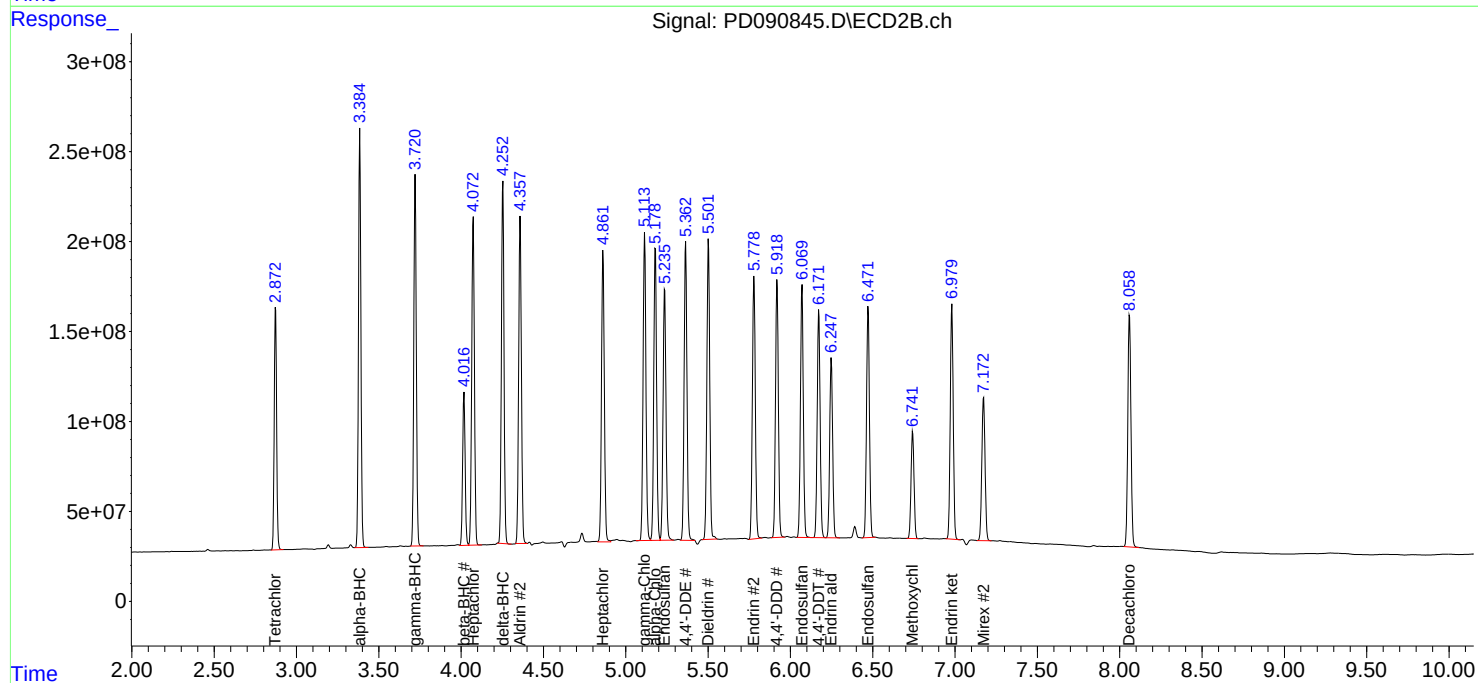
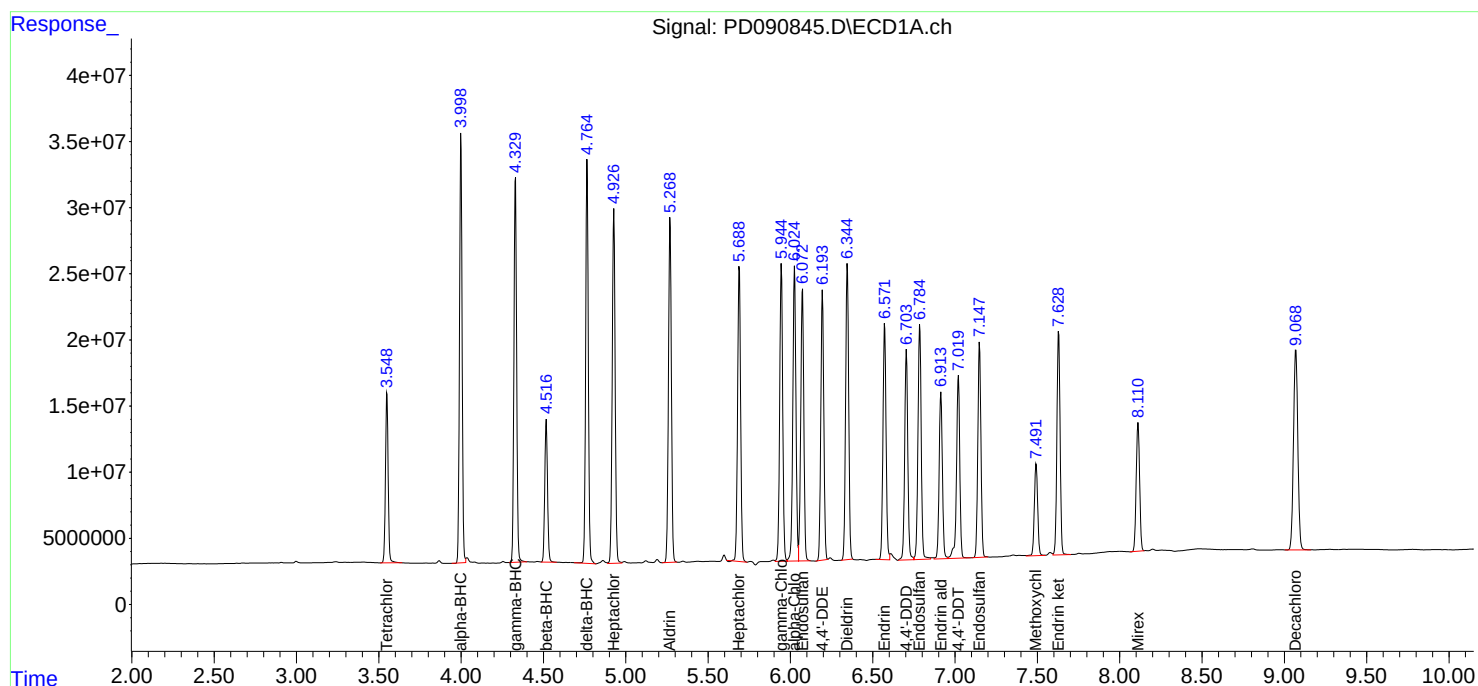
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

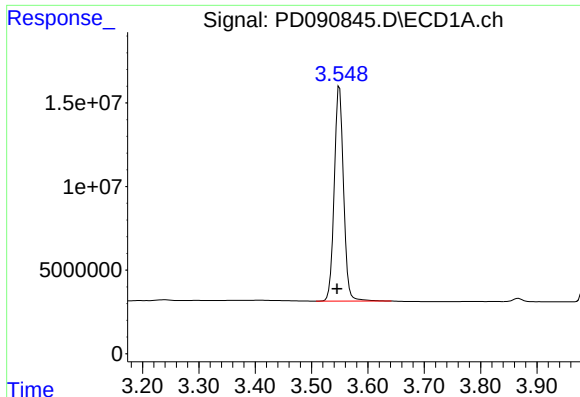
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 16:45
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:09:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

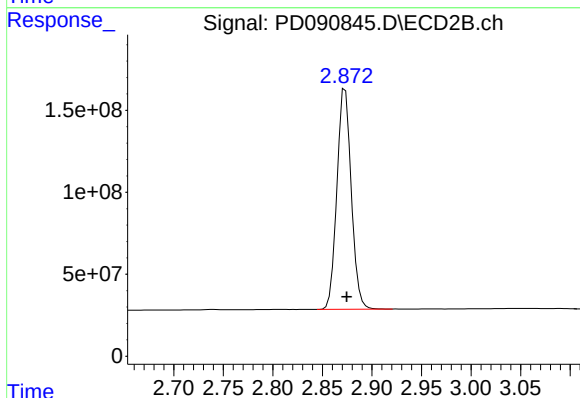




#1 Tetrachloro-m-xylene

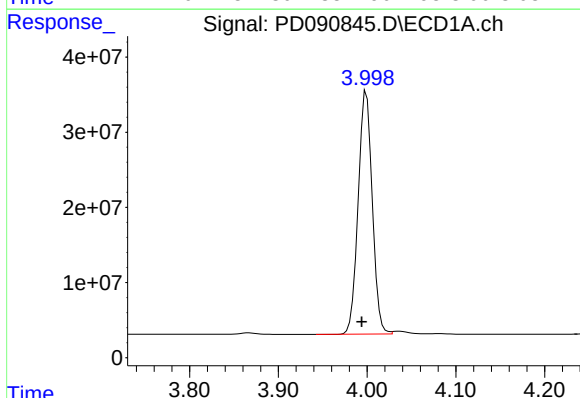
R.T.: 3.550 min
Delta R.T.: 0.005 min
Response: 147927126
Conc: 47.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



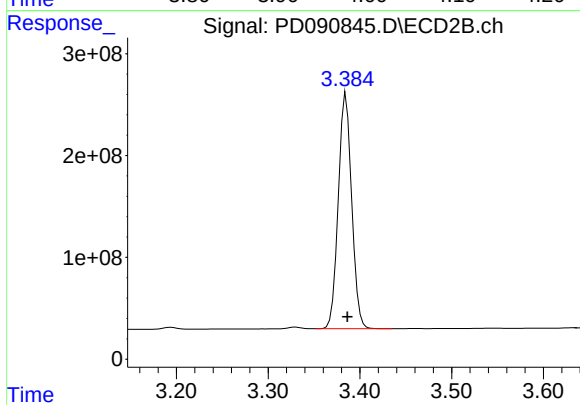
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 1357362977
Conc: 45.58 ng/ml



#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.005 min
Response: 356119253
Conc: 49.62 ng/ml

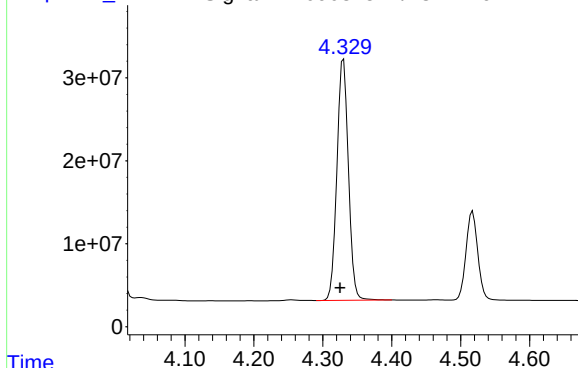


#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 2345848105
Conc: 45.91 ng/ml

Response_ Signal: PD090845.D\ECD1A.ch

#3 gamma-BHC (Lindane)

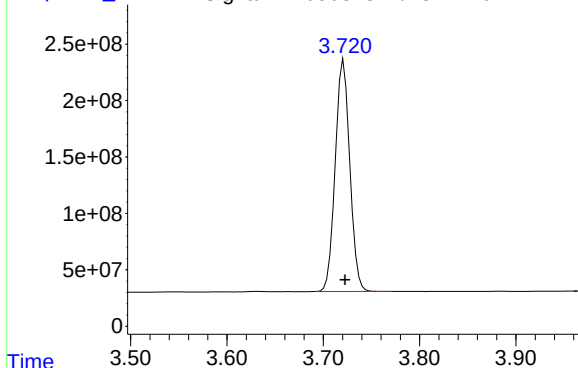


R.T.: 4.330 min
Delta R.T.: 0.005 min
Response: 336789723
Conc: 49.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time Response_ Signal: PD090845.D\ECD2B.ch

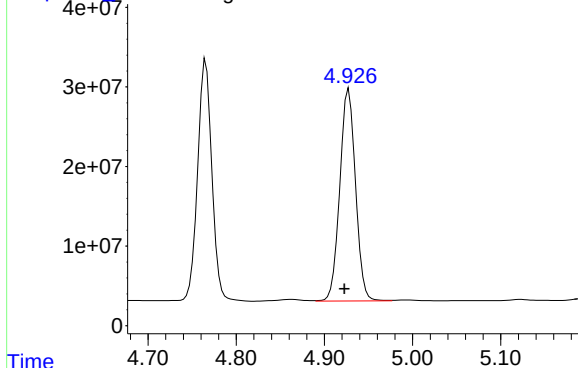
#3 gamma-BHC (Lindane)



R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 2162755131
Conc: 45.77 ng/ml

Time Response_ Signal: PD090845.D\ECD1A.ch

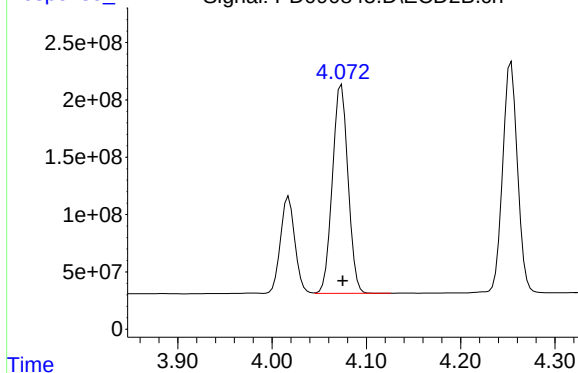
#4 Heptachlor



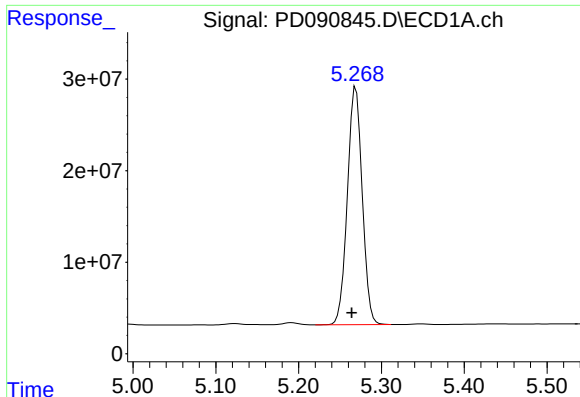
R.T.: 4.928 min
Delta R.T.: 0.005 min
Response: 329982987
Conc: 59.04 ng/ml

Time Response_ Signal: PD090845.D\ECD2B.ch

#4 Heptachlor



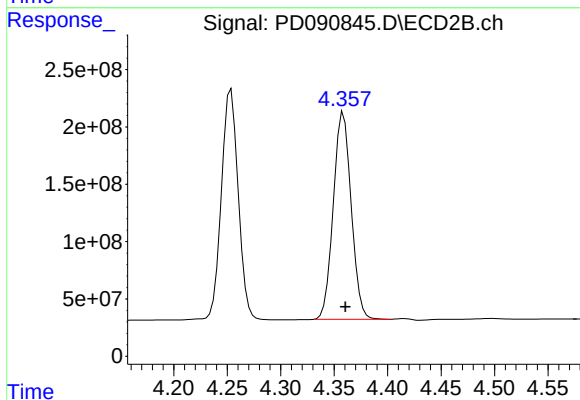
R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 2096227771
Conc: 47.00 ng/ml



#5 Aldrin

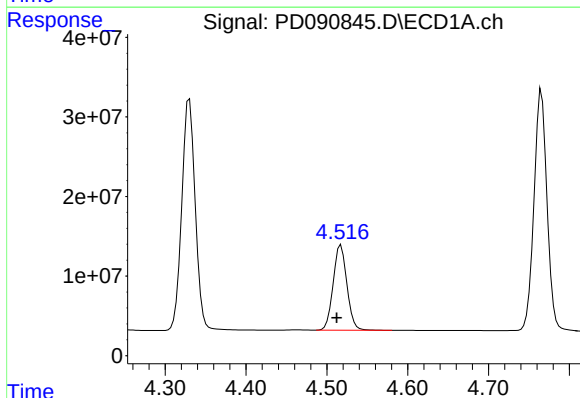
R.T.: 5.269 min
Delta R.T.: 0.005 min
Response: 323617168
Conc: 49.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



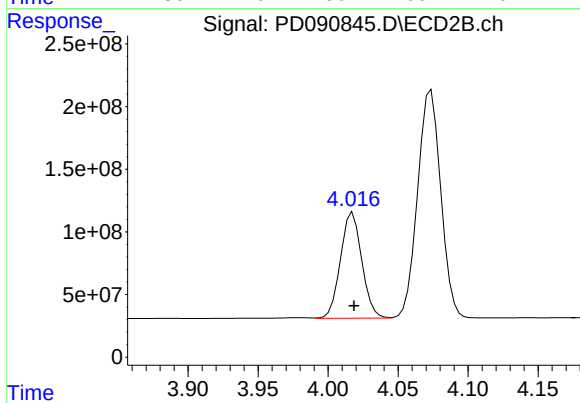
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2104835689
Conc: 45.44 ng/ml



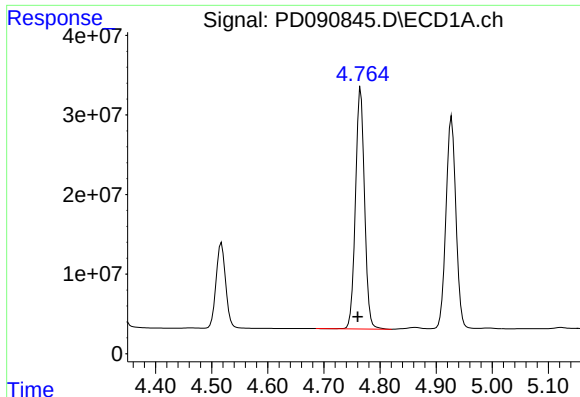
#6 beta-BHC

R.T.: 4.518 min
Delta R.T.: 0.006 min
Response: 126645205
Conc: 48.34 ng/ml



#6 beta-BHC

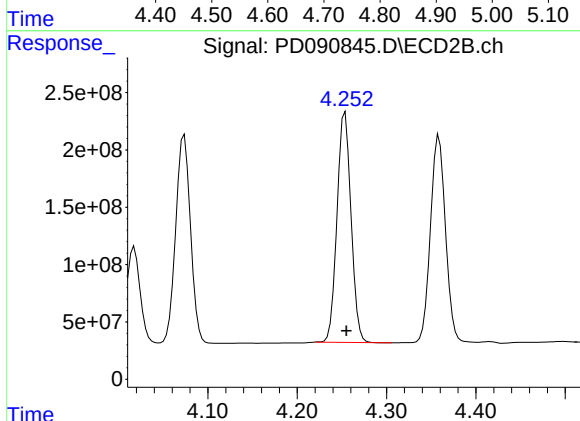
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 896410504
Conc: 45.21 ng/ml



#7 delta-BHC

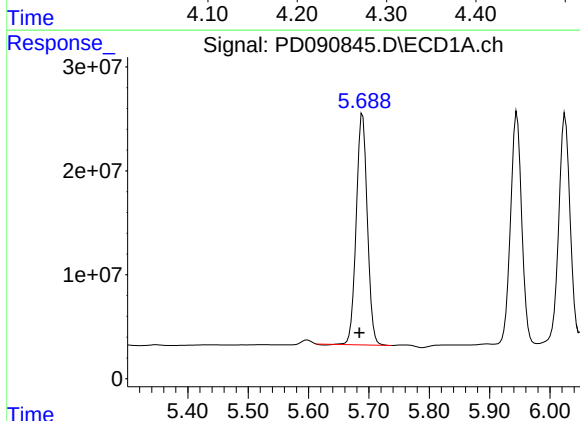
R.T.: 4.766 min
Delta R.T.: 0.005 min
Response: 340919482
Conc: 50.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



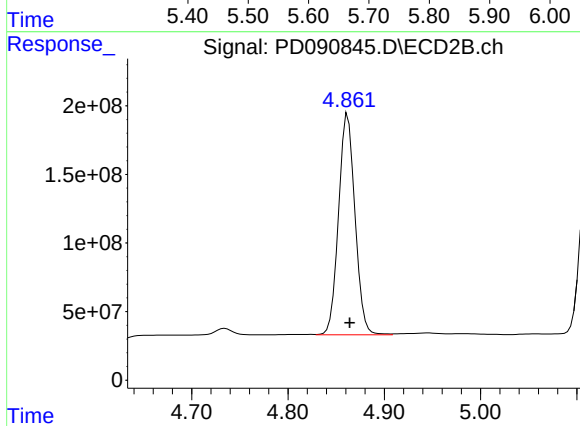
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.002 min
Response: 2185137774
Conc: 45.79 ng/ml



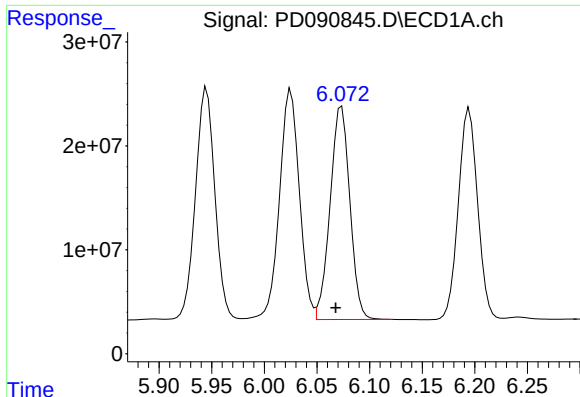
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.005 min
Response: 283438659
Conc: 48.96 ng/ml



#8 Heptachlor epoxide

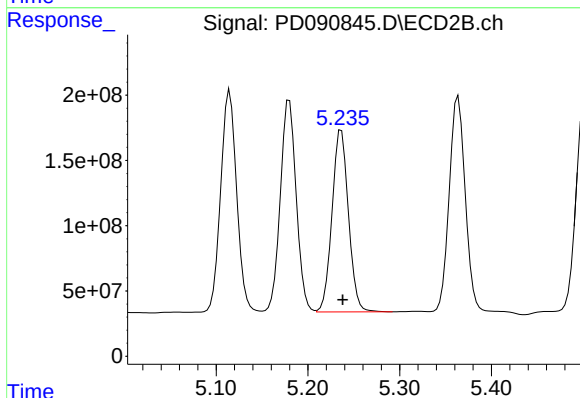
R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 1910519113
Conc: 44.81 ng/ml



#9 Endosulfan I

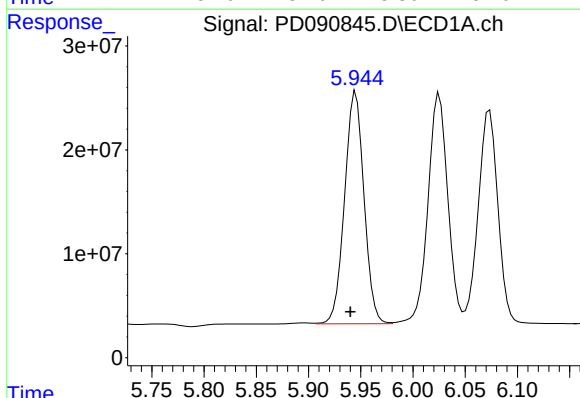
R.T.: 6.073 min
Delta R.T.: 0.006 min
Response: 267645948
Conc: 48.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



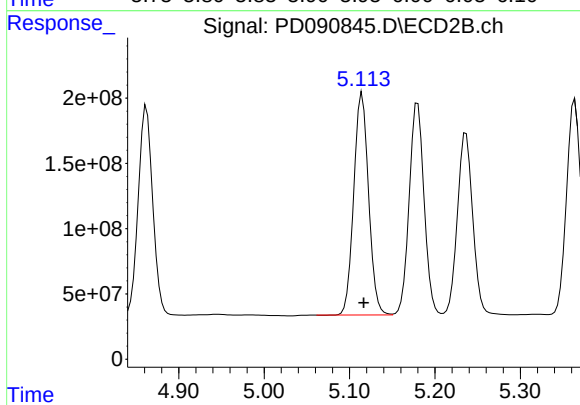
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1737147364
Conc: 44.10 ng/ml



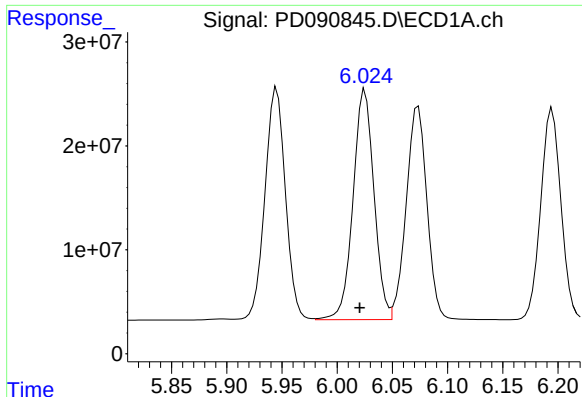
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.005 min
Response: 288378942
Conc: 48.62 ng/ml



#10 gamma-Chlordane

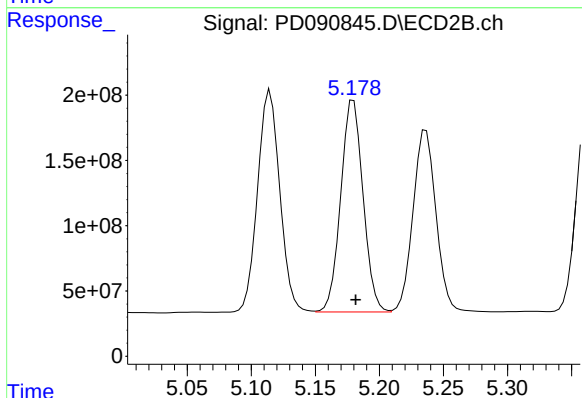
R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2052514371
Conc: 45.66 ng/ml



#11 alpha-Chlordane

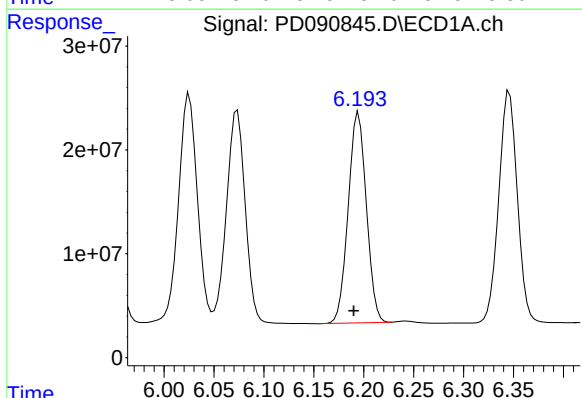
R.T.: 6.025 min
Delta R.T.: 0.005 min
Response: 292105489
Conc: 47.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



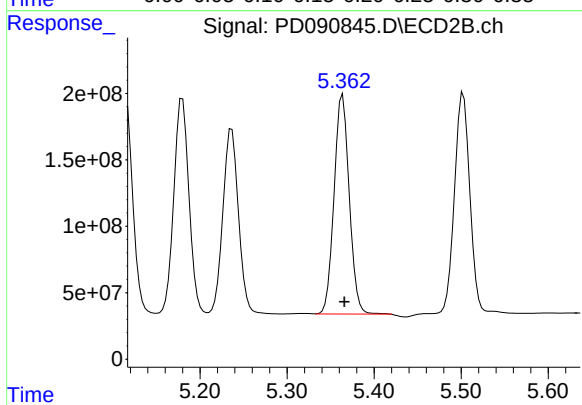
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.002 min
Response: 1967423278
Conc: 45.61 ng/ml



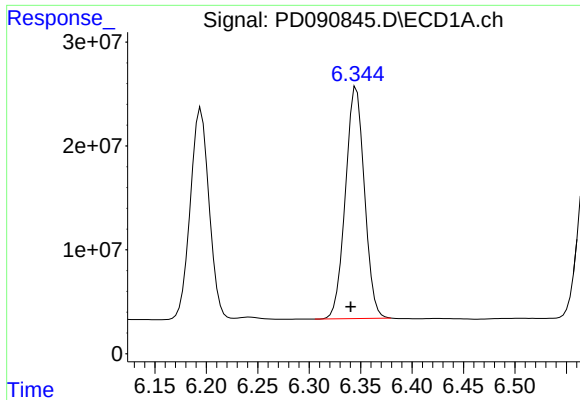
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.005 min
Response: 256256208
Conc: 48.11 ng/ml



#12 4,4'-DDE

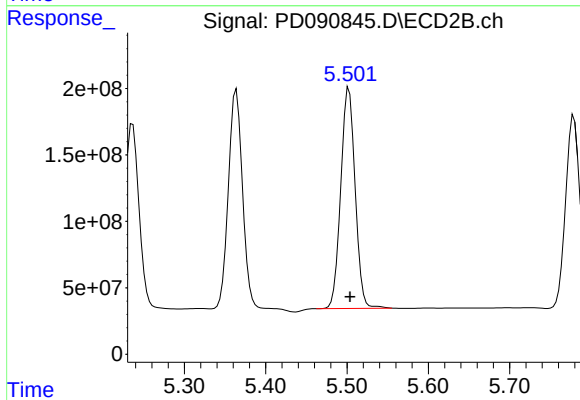
R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2005654475
Conc: 45.75 ng/ml



#13 Dieldrin

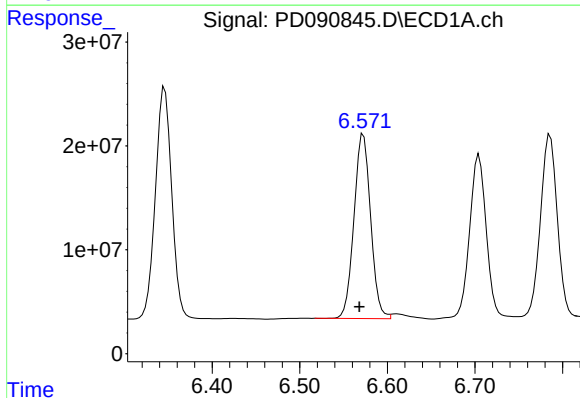
R.T.: 6.346 min
Delta R.T.: 0.005 min
Response: 286872322
Conc: 49.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



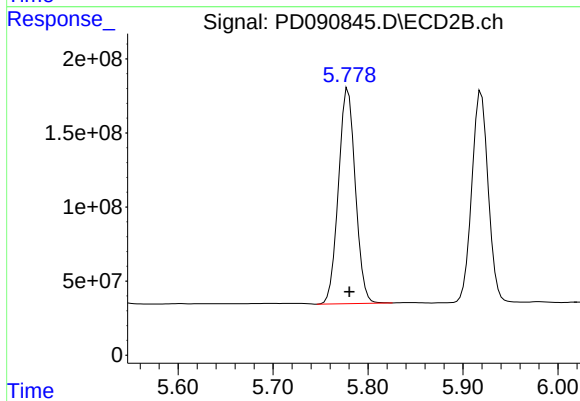
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.001 min
Response: 2039882034
Conc: 46.17 ng/ml



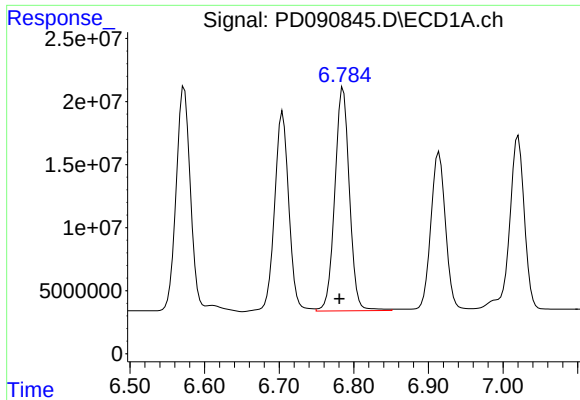
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.005 min
Response: 234734629
Conc: 47.39 ng/ml



#14 Endrin

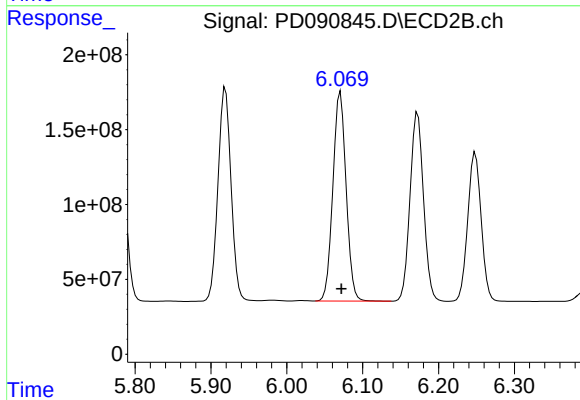
R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 1801318348
Conc: 44.48 ng/ml



#15 Endosulfan II

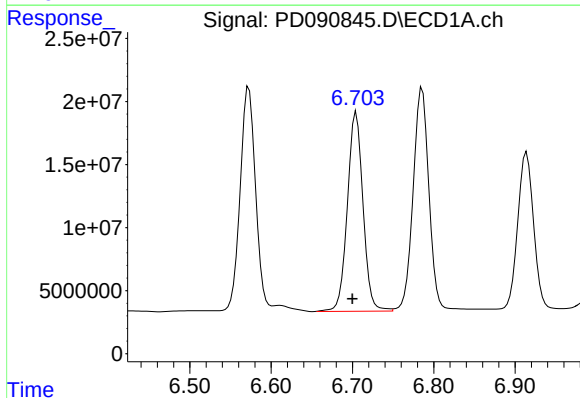
R.T.: 6.786 min
Delta R.T.: 0.005 min
Response: 241582363
Conc: 48.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



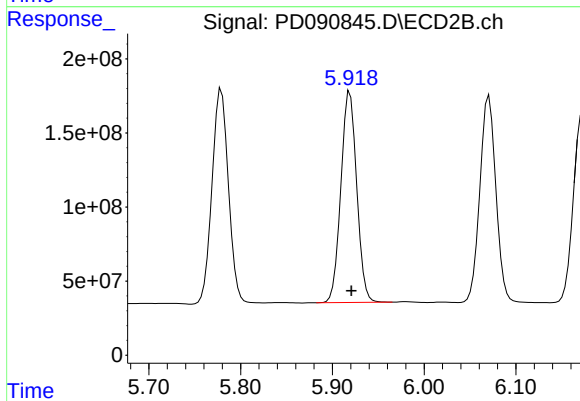
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 1695651244
Conc: 45.15 ng/ml



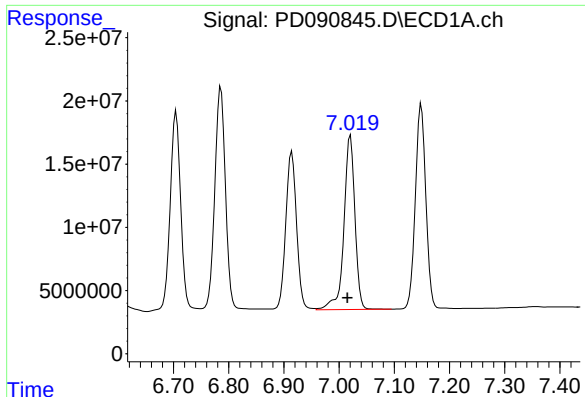
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.005 min
Response: 210308614
Conc: 51.87 ng/ml



#16 4,4'-DDD

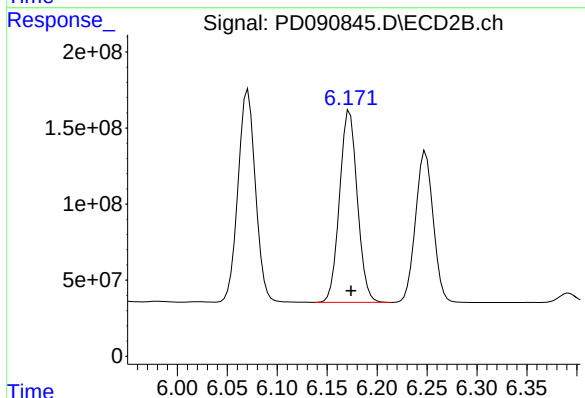
R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1706248420
Conc: 46.83 ng/ml



#17 4,4'-DDT

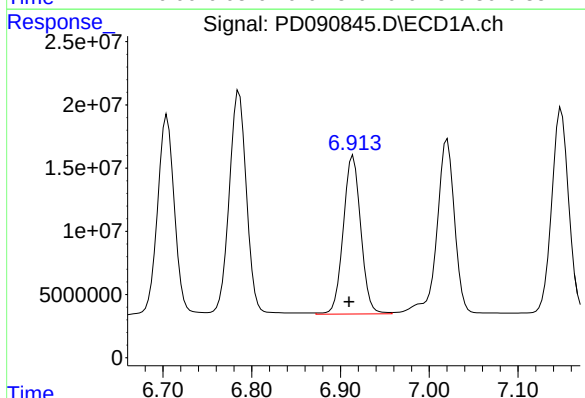
R.T.: 7.020 min
Delta R.T.: 0.005 min
Response: 191114946
Conc: 46.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



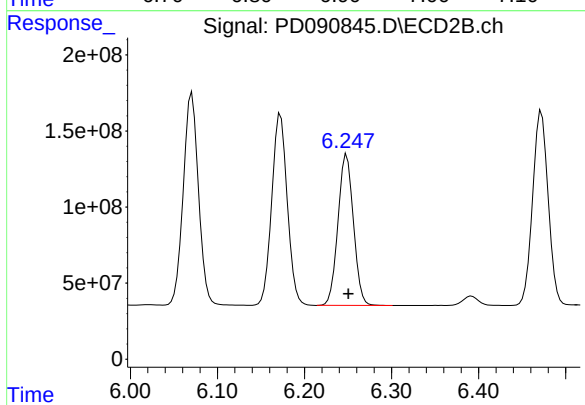
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.001 min
Response: 1563772391
Conc: 44.59 ng/ml



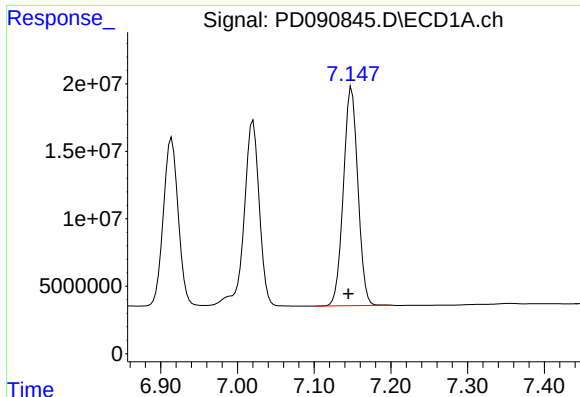
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.005 min
Response: 171809948
Conc: 46.91 ng/ml



#18 Endrin aldehyde

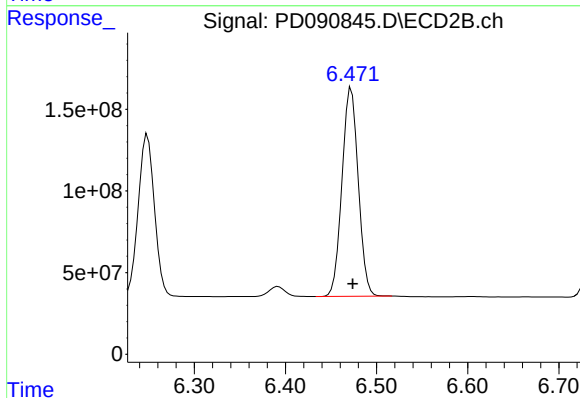
R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 1226226127
Conc: 44.28 ng/ml



#19 Endosulfan Sulfate

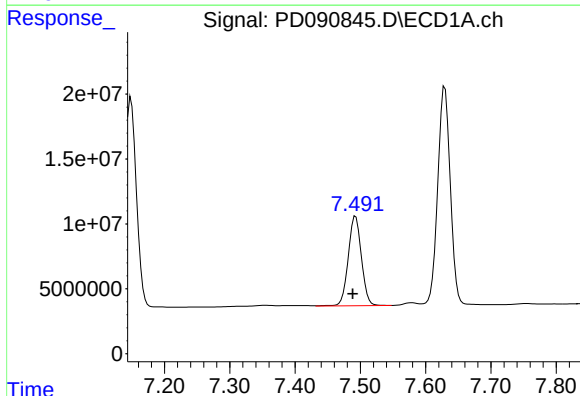
R.T.: 7.149 min
Delta R.T.: 0.004 min
Response: 213300694
Conc: 45.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



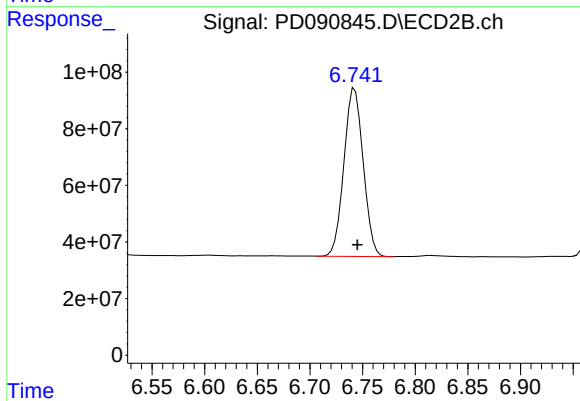
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1584737899
Conc: 44.21 ng/ml



#20 Methoxychlor

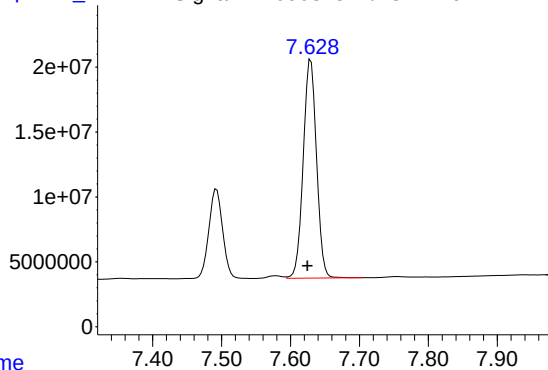
R.T.: 7.493 min
Delta R.T.: 0.004 min
Response: 97191425
Conc: 45.72 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 759548927
Conc: 43.58 ng/ml

Response_ Signal: PD090845.D\ECD1A.ch

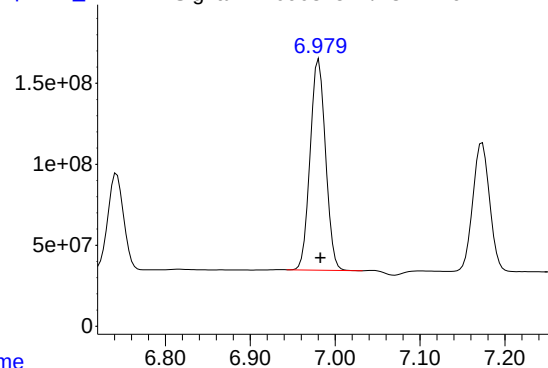


#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.005 min
Response: 225659812
Conc: 46.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

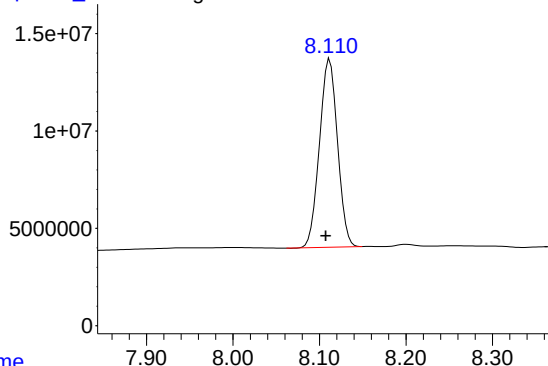
Time Response_ Signal: PD090845.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 1640790302
Conc: 43.50 ng/ml

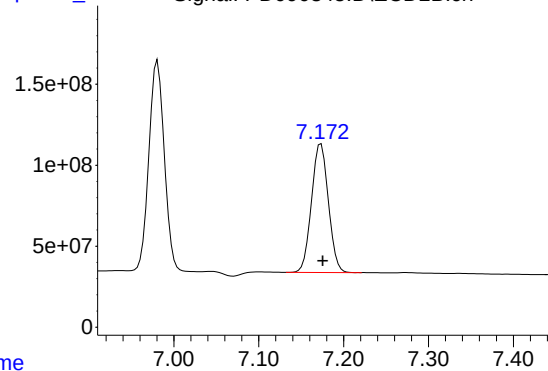
Time Response_ Signal: PD090845.D\ECD1A.ch



#22 Mirex

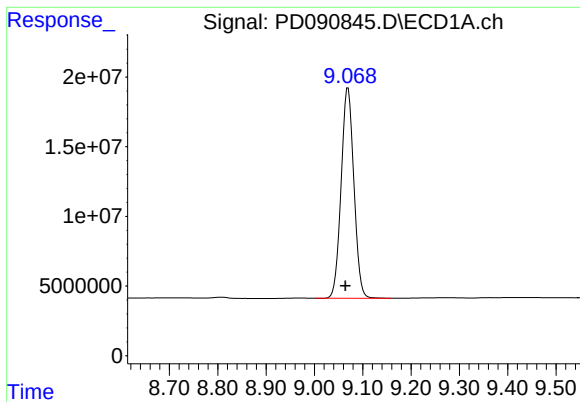
R.T.: 8.112 min
Delta R.T.: 0.004 min
Response: 139963565
Conc: 43.73 ng/ml

Time Response_ Signal: PD090845.D\ECD2B.ch



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1096224831
Conc: 42.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min

Delta R.T.: 0.006 min

Response: 276677561

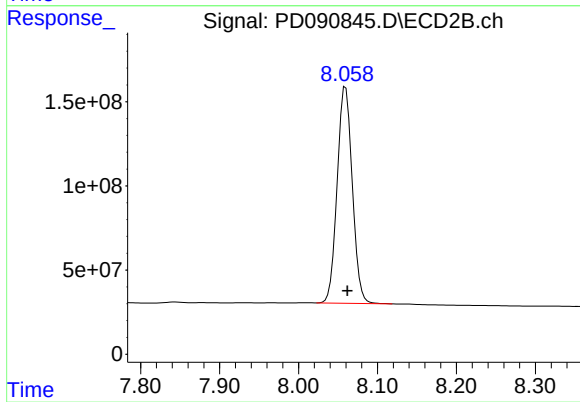
Conc: 59.14 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min

Delta R.T.: -0.002 min

Response: 1713326457

Conc: 56.56 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

PEM
 Data File: PD090648.D Date Acquired 10/17/2025 11:07
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	243728295.7	249054181.9	5325886.17	2.14
Endrin aldehyde	6.91	1372426.584			
Endrin ketone	7.63	3953459.588			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1941282940	1991060515	49777575.7	2.50
Endrin aldehyde #2	6.25	19940698.04			
Endrin ketone #2	6.98	29836877.65			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	412144601.3	415215115.8	3070514.5	0.74
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3070514.503			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3355351424	3394188860	38837436.1	1.14
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	38837436.09			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:07
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/19/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 14:04:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 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...	3.544	2.875	67593250	632.0E6	21.705	21.224
28)	SA Decachlor...	9.066	8.062	106.9E6	648.1E6	22.859	21.395
Target Compounds							
2)	A alpha-BHC	3.994	3.386	64971308	526.5E6	9.053	10.304
3)	MA gamma-BHC...	4.324	3.723	63399907	488.4E6	9.325	10.337
6)	B beta-BHC	4.512	4.019	26386693	207.4E6	10.073	10.459
14)	MA Endrin	6.568	5.781	243.7E6	1941.3E6	49.201	47.940
16)	A 4,4'-DDD	6.701	5.923	3070515	38837436	0.757	1.066 #
17)	MA 4,4'-DDT	7.016	6.174	412.1E6	3355.4E6	100.267	95.667
18)	B Endrin al...	6.913	6.248	1372427	19940698	0.375m	0.720 #
20)	A Methoxychlor	7.489	6.745	503.3E6	3517.5E6	236.805	201.834
21)	B Endrin ke...	7.625	6.981	3953460	29836878	0.814	0.791m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:07
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

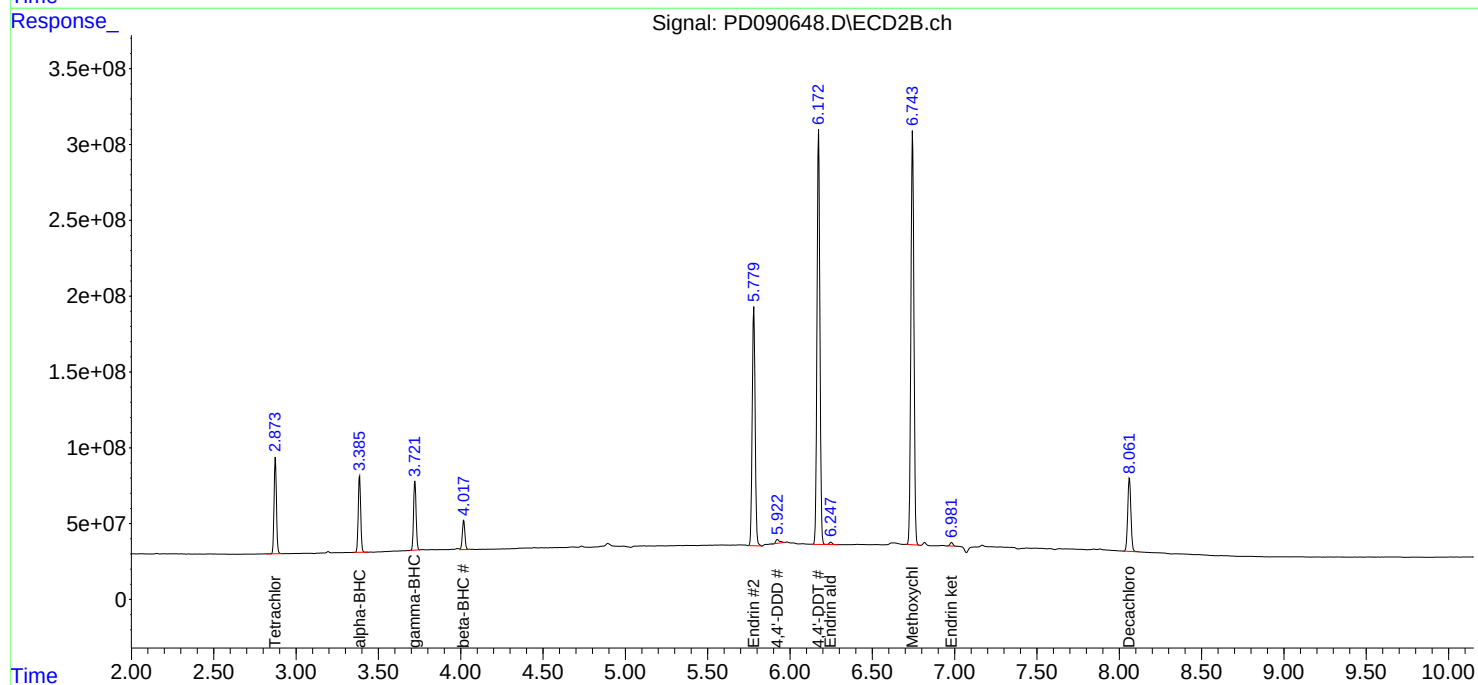
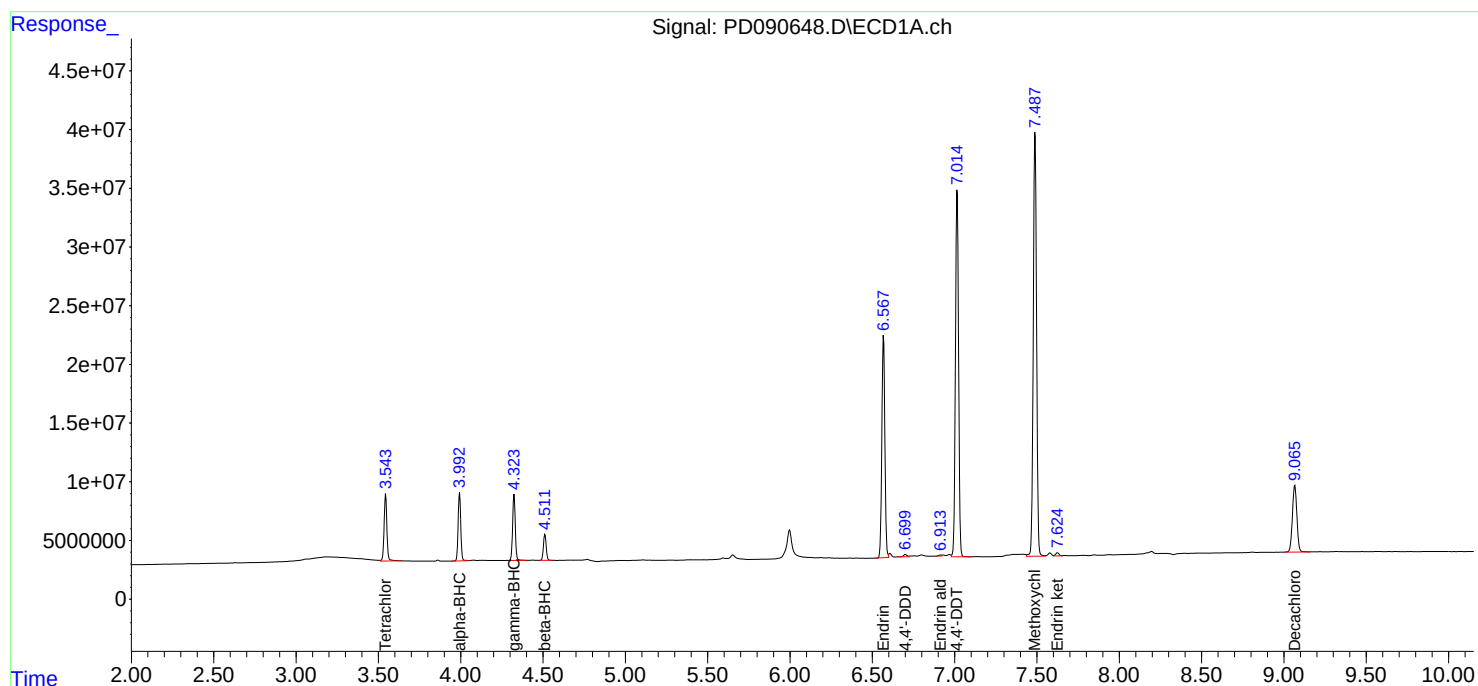
Instrument :
ECD_D
ClientSampleId :
PEM

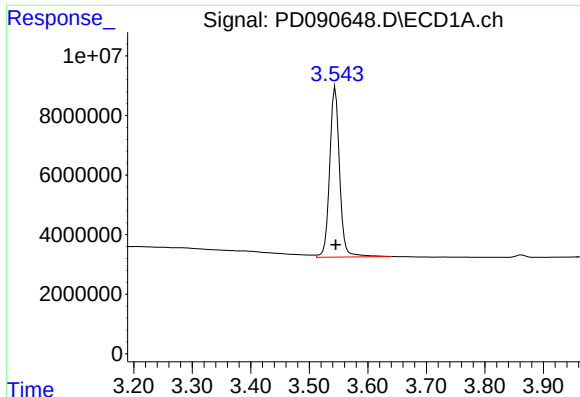
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 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





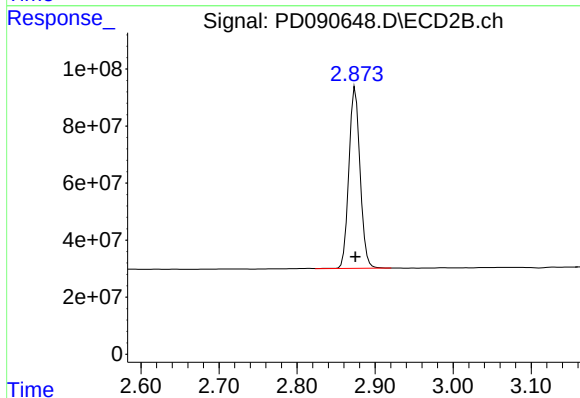
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 67593250
Conc: 21.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

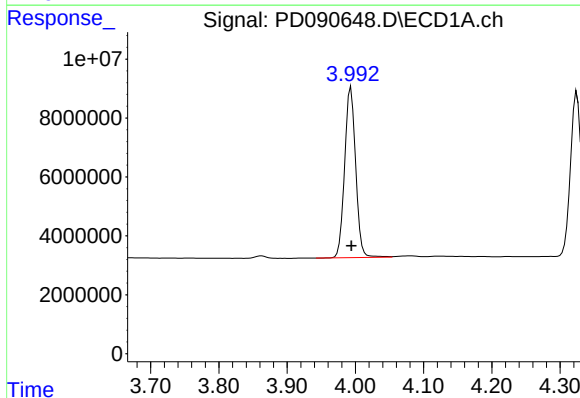
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



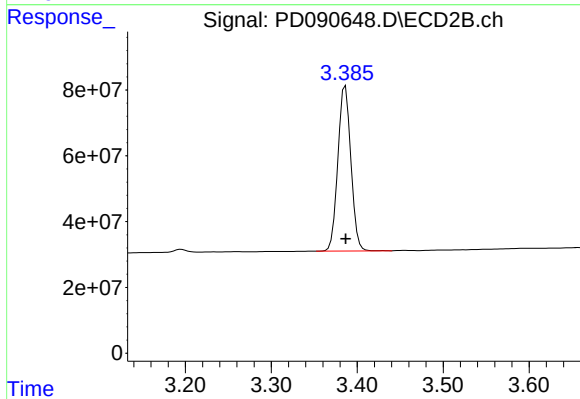
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 631992202
Conc: 21.22 ng/ml



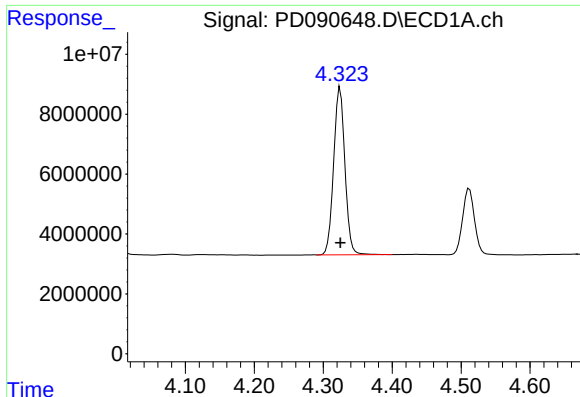
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 64971308
Conc: 9.05 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 526499291
Conc: 10.30 ng/ml



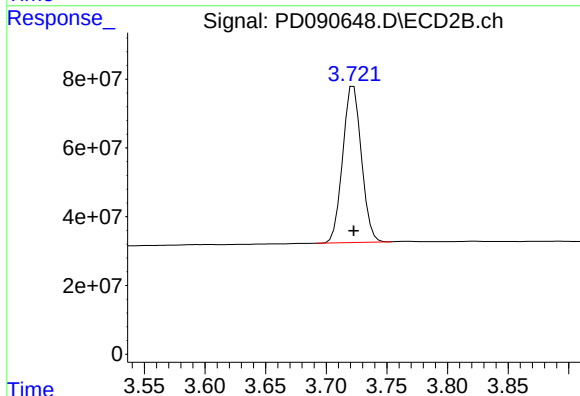
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 63399907
Conc: 9.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

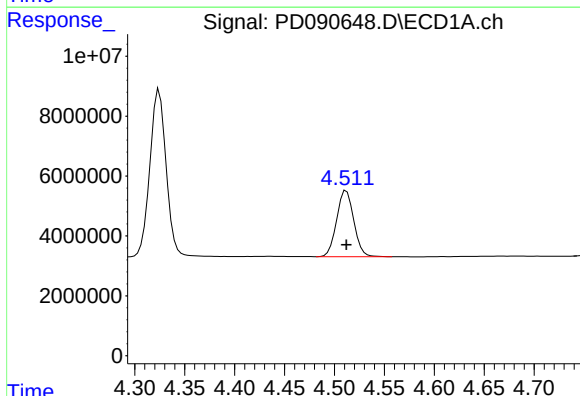
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



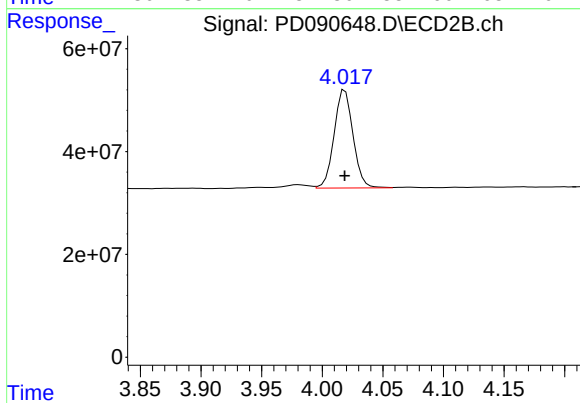
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 488402734
Conc: 10.34 ng/ml



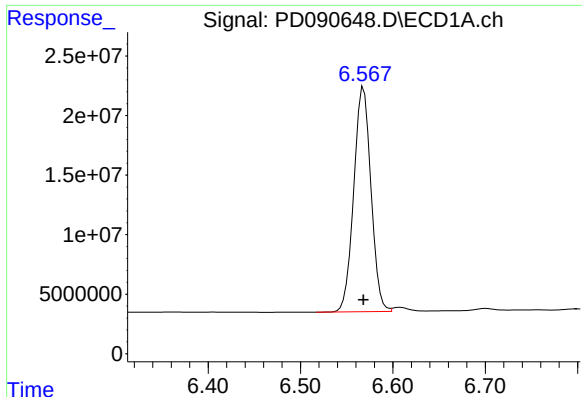
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 26386693
Conc: 10.07 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 207399327
Conc: 10.46 ng/ml



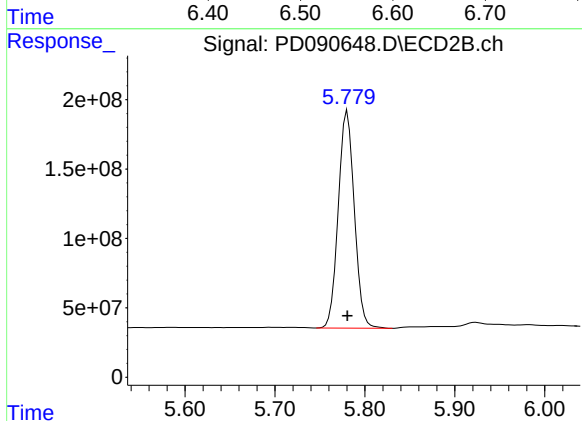
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 243728296
Conc: 49.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

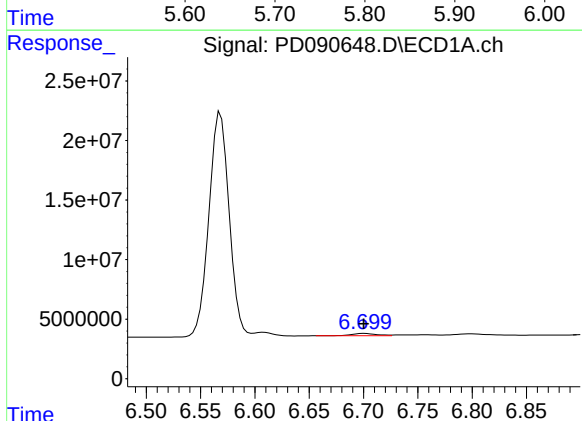
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



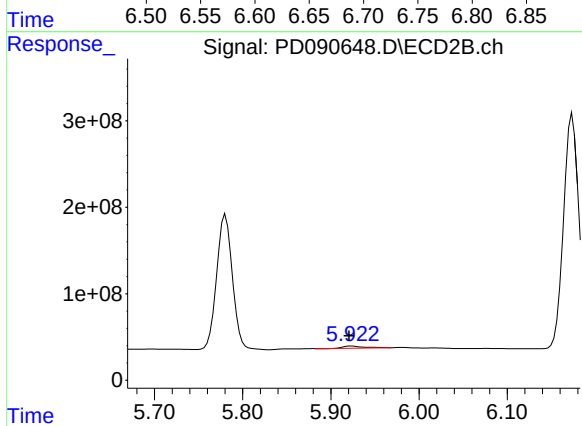
#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1941282940
Conc: 47.94 ng/ml



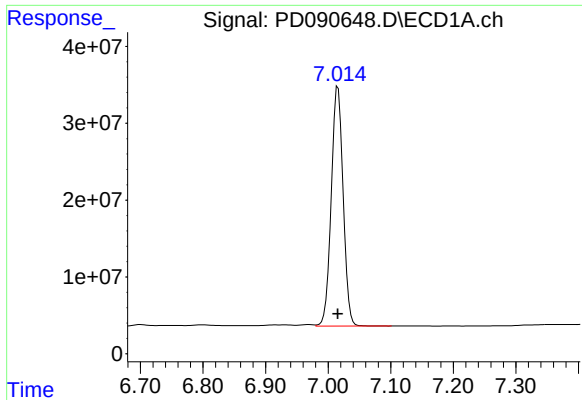
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 3070515
Conc: 0.76 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.003 min
Response: 38837436
Conc: 1.07 ng/ml



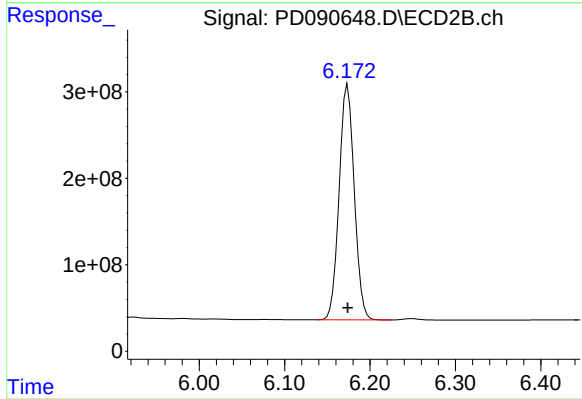
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 412144601
Conc: 100.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

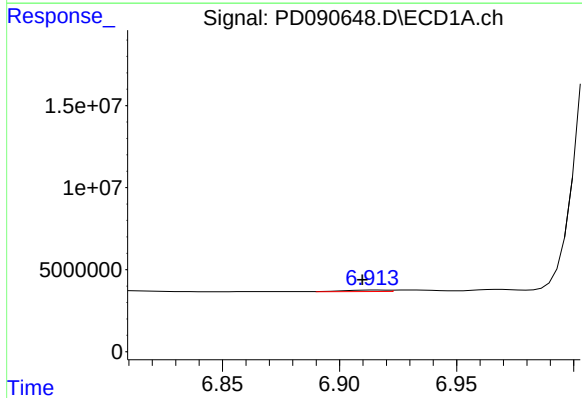
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



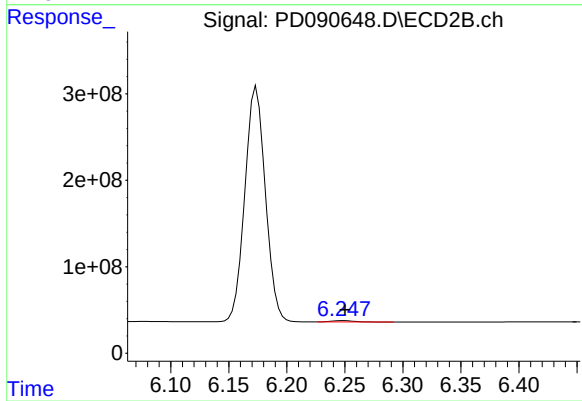
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3355351424
Conc: 95.67 ng/ml



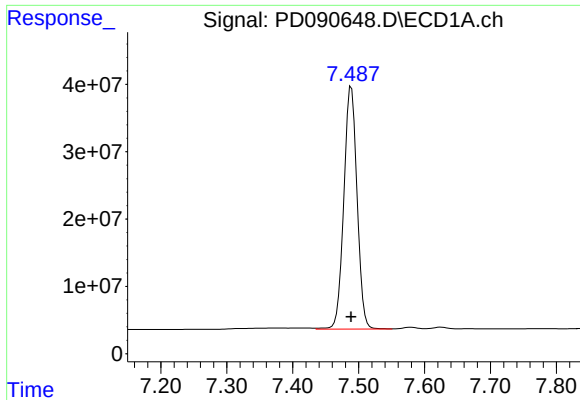
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.003 min
Response: 1372427
Conc: 0.37 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 19940698
Conc: 0.72 ng/ml



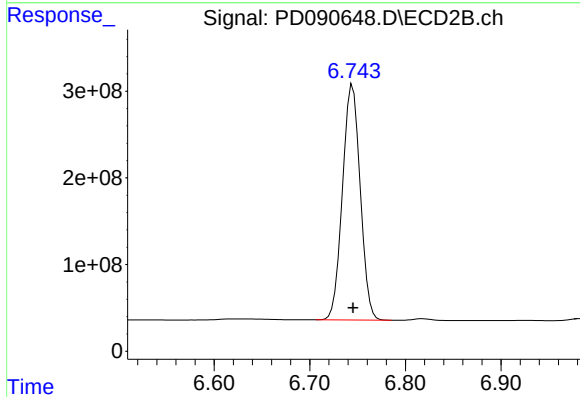
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 503349948
Conc: 236.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

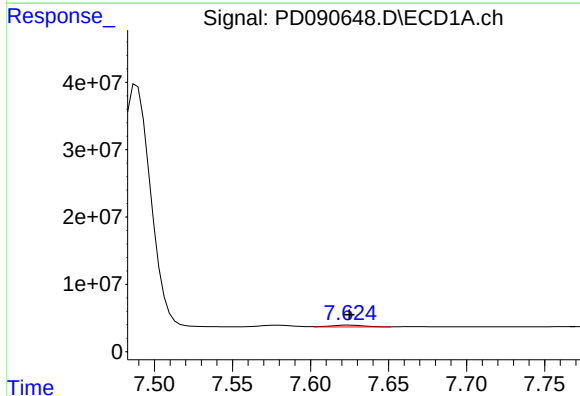
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



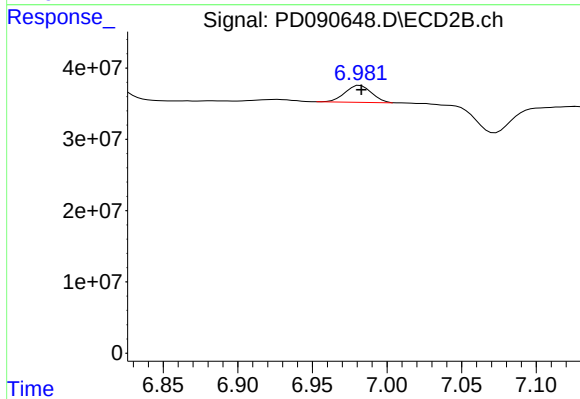
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3517519034
Conc: 201.83 ng/ml



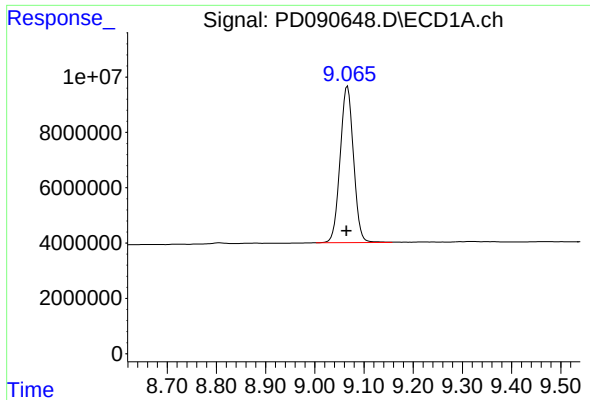
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 3953460
Conc: 0.81 ng/ml



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 29836878
Conc: 0.79 ng/ml m



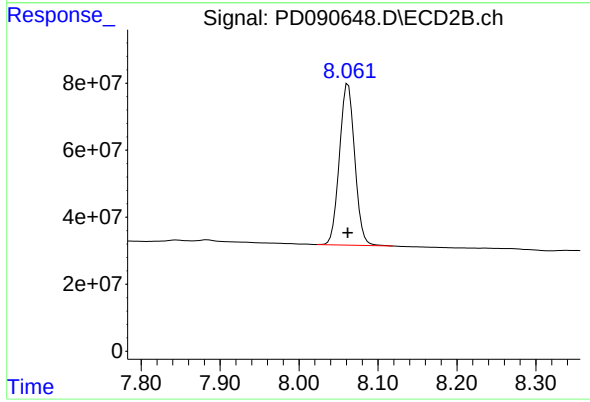
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 106933782
Conc: 22.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 648085268
Conc: 21.40 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090809.D Date Analyzed: 10/24/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:10

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.064	8.960	9.160	22.330	20.000	11.7
Tetrachloro-m-xylene	3.544	3.490	3.590	21.490	20.000	7.5
alpha-BHC	3.993	3.940	4.040	9.010	10.000	-9.9
beta-BHC	4.511	4.460	4.560	10.370	10.000	3.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.370	10.000	-6.3
Endrin	6.567	6.500	6.640	48.070	50.000	-3.9
4,4'-DDT	7.014	6.940	7.080	96.170	100.000	-3.8
Methoxychlor	7.487	7.420	7.560	225.780	250.000	-9.7

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090809.D Date Analyzed: 10/24/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:10

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.960	8.160	24.810	20.000	24.1
Tetrachloro-m-xylene	2.873	2.820	2.920	21.460	20.000	7.3
alpha-BHC	3.385	3.330	3.440	10.480	10.000	4.8
beta-BHC	4.017	3.970	4.070	10.550	10.000	5.5
gamma-BHC (Lindane)	3.721	3.670	3.770	10.650	10.000	6.5
Endrin	5.778	5.710	5.850	49.240	50.000	-1.5
4,4'-DDT	6.172	6.100	6.240	96.190	100.000	-3.8
Methoxychlor	6.742	6.670	6.810	201.080	250.000	-19.6

PEM
 Data File: PD090809.D Date Acquired 10/24/2025 10:10
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	238145829.3	254166818.1	16020988.9	6.30
Endrin aldehyde	6.91	2930966.66			
Endrin ketone	7.62	13090022.22			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1993830831	2139435791	145604960	6.81
Endrin aldehyde #2	6.25	33720803.16			
Endrin ketone #2	6.98	111884157.2			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.01	395319383.9	417572336.6	22252952.7	5.33
4,4'-DDE	6.19	688779.733			
4,4'-DDD	6.70	21564172.93			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3373614500	3581824149	208209650	5.81
4,4'-DDE #2	5.36	6388394.054			
4,4'-DDD #2	5.92	201821255.5			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090809.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 10:10
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:34:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.544	2.873	66932917	639.1E6	21.493	21.463
28)	SA Decachlor...	9.064	8.059	104.5E6	751.5E6	22.332	24.808
Target Compounds							
2)	A alpha-BHC	3.993	3.385	64700224	535.7E6	9.015	10.484
3)	MA gamma-BHC...	4.324	3.721	63699560	503.0E6	9.369	10.646
6)	B beta-BHC	4.511	4.017	27170709	209.1E6	10.372	10.546
12)	B 4,4'-DDE	6.187	5.365	688780	6388394	0.129m	0.146m
14)	MA Endrin	6.567	5.778	238.1E6	1993.8E6	48.074	49.238
16)	A 4,4'-DDD	6.697	5.917	21564173	201.8E6	5.319m	5.539m
17)	MA 4,4'-DDT	7.014	6.172	395.3E6	3373.6E6	96.174	96.188
18)	B Endrin al...	6.908	6.246	2930967	33720803	0.800m	1.218 #
20)	A Methoxychlor	7.487	6.742	479.9E6	3504.5E6	225.781	201.084
21)	B Endrin ke...	7.624	6.980	13090022	111.9E6	2.694	2.966

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090809.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 10:10
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

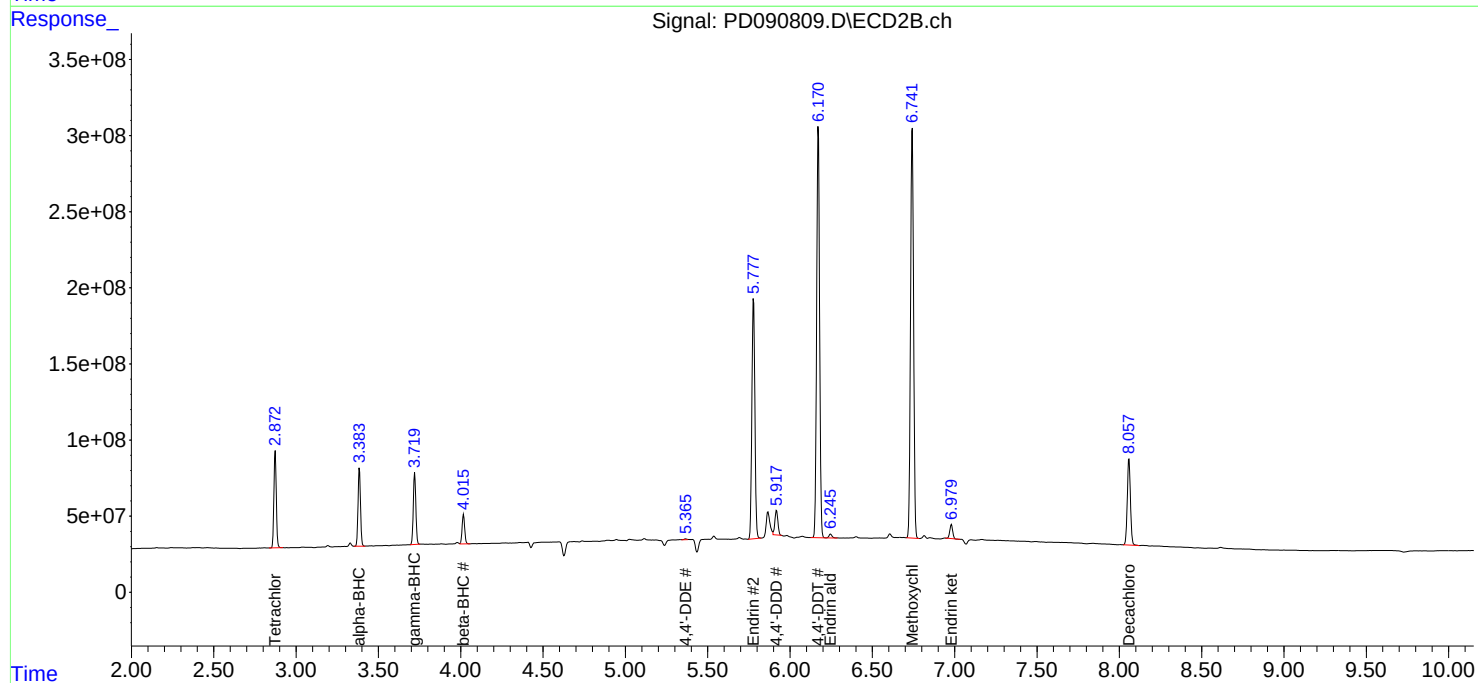
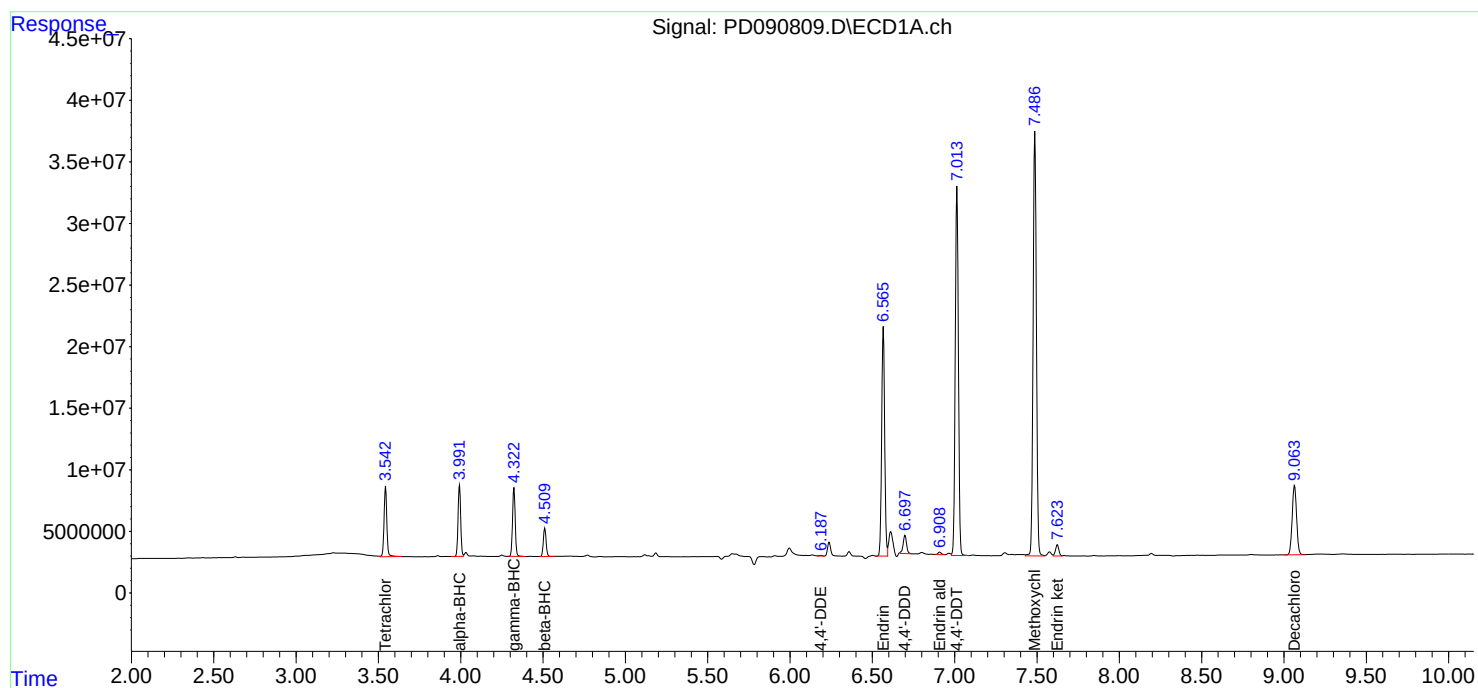
Instrument :
ECD_D
ClientSampleId :
PEM

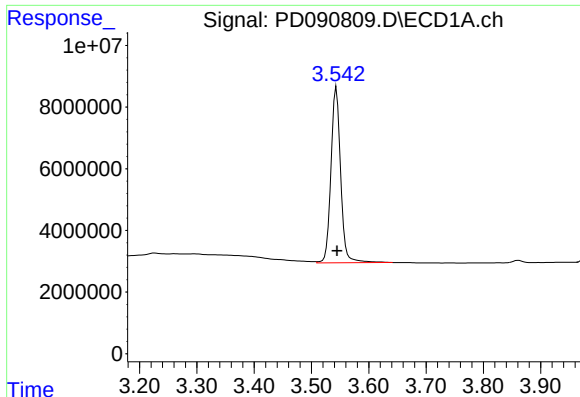
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/27/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





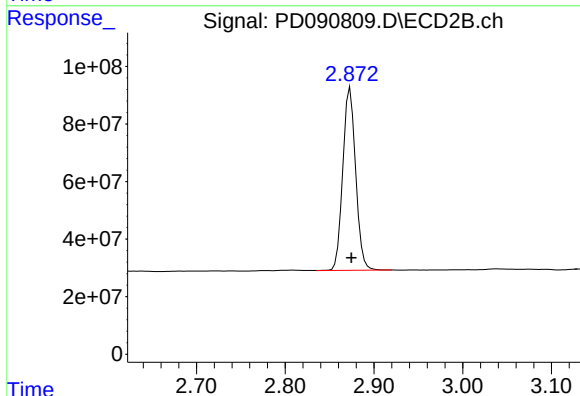
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 66932917
Conc: 21.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

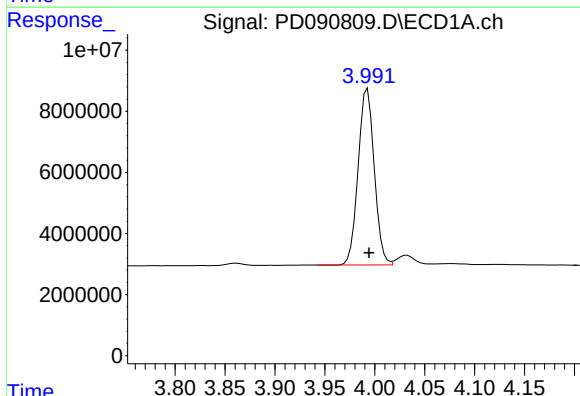
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



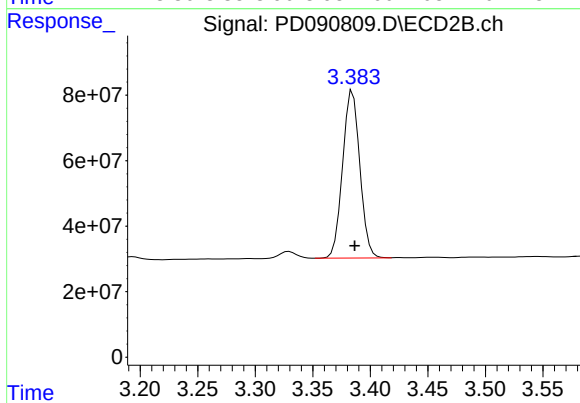
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 639095065
Conc: 21.46 ng/ml



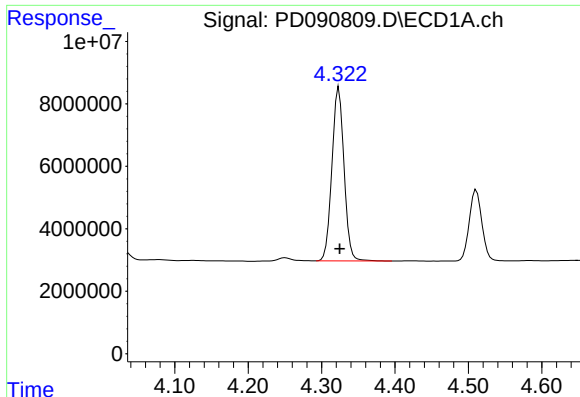
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 64700224
Conc: 9.01 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 535675263
Conc: 10.48 ng/ml



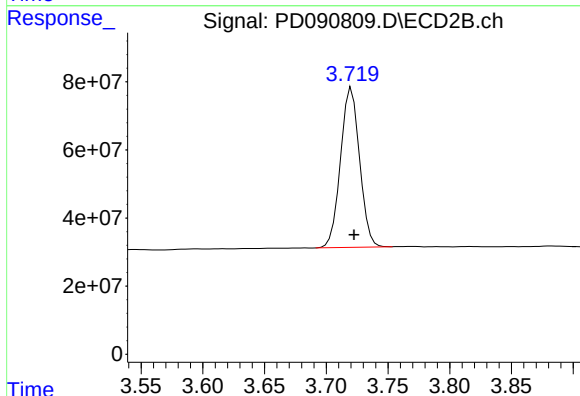
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.001 min
Response: 63699560
Conc: 9.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

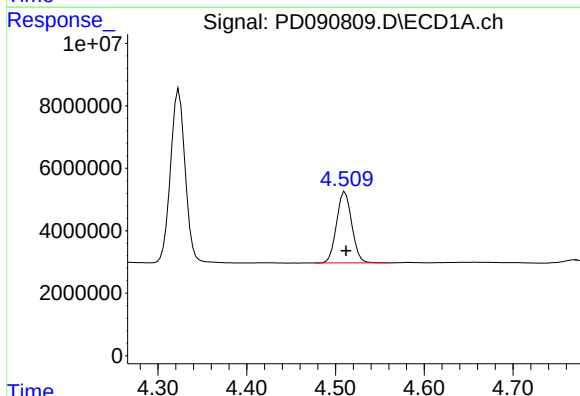
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



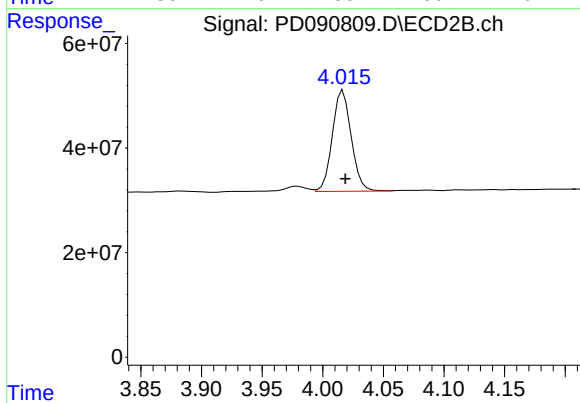
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 503028923
Conc: 10.65 ng/ml



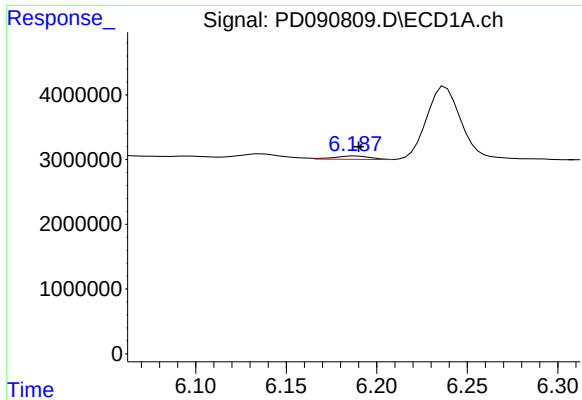
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 27170709
Conc: 10.37 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 209125983
Conc: 10.55 ng/ml



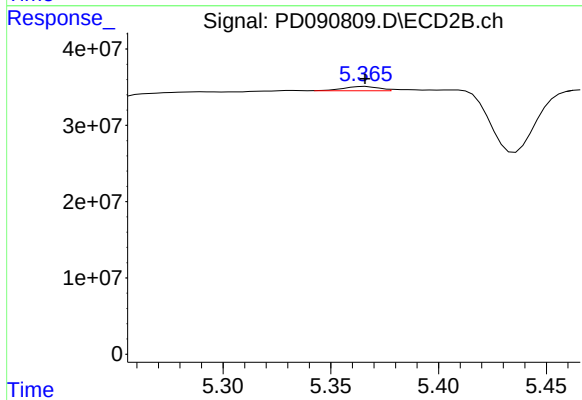
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.003 min
Response: 688780
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

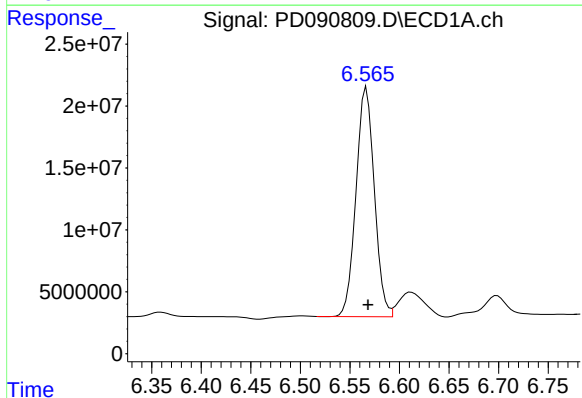
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



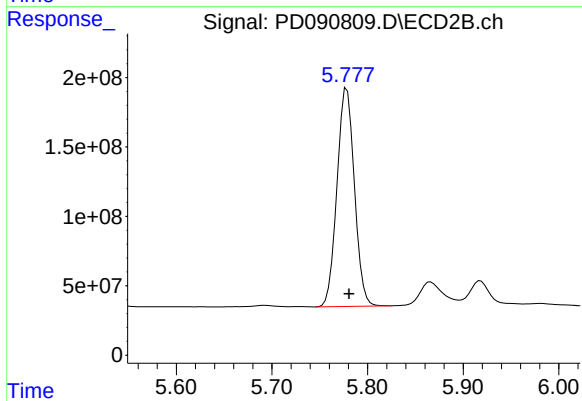
#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 6388394
Conc: 0.15 ng/ml m



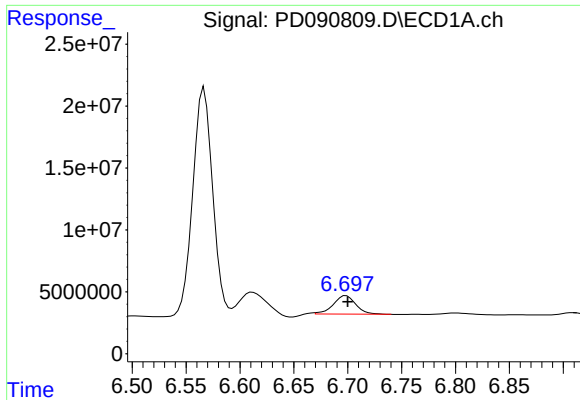
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 238145829
Conc: 48.07 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.002 min
Response: 1993830831
Conc: 49.24 ng/ml



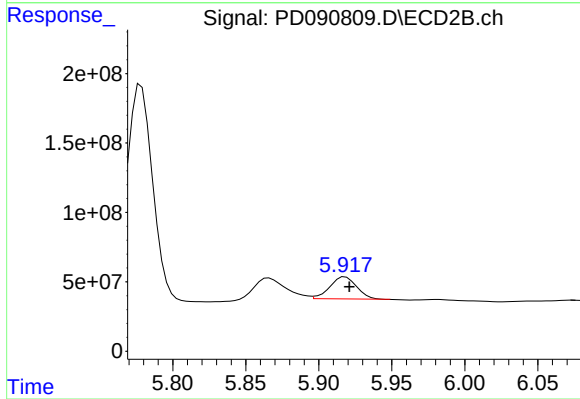
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.003 min
Response: 21564173
Conc: 5.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

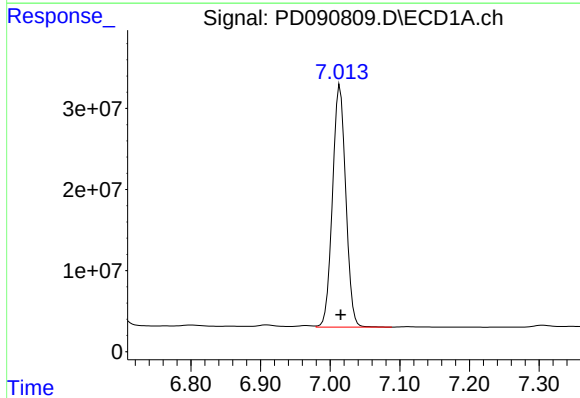
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



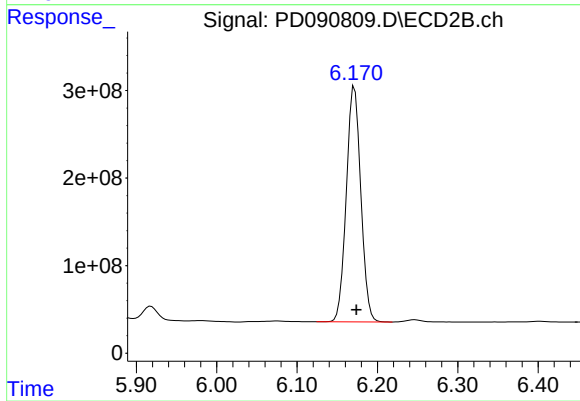
#16 4,4'-DDD

R.T.: 5.917 min
Delta R.T.: -0.004 min
Response: 201821255
Conc: 5.54 ng/ml m



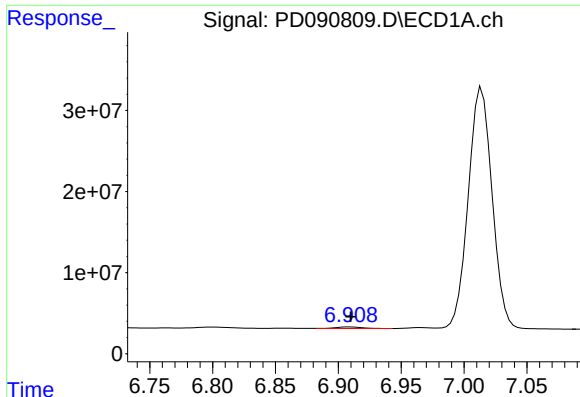
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 395319384
Conc: 96.17 ng/ml



#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 3373614500
Conc: 96.19 ng/ml



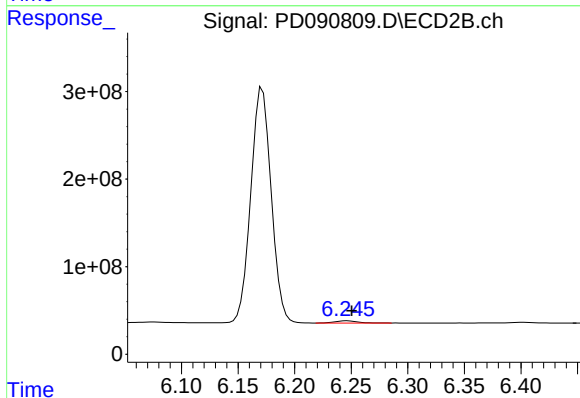
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.002 min
Response: 2930967
Conc: 0.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

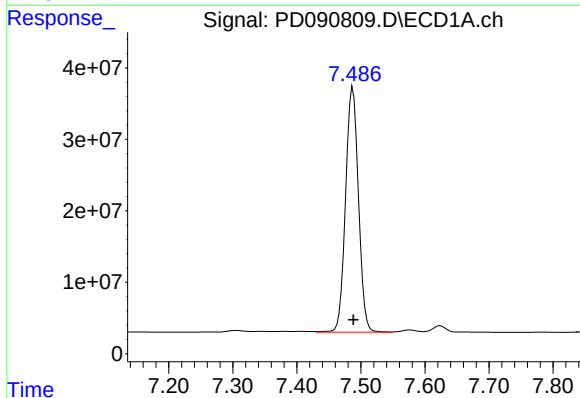
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



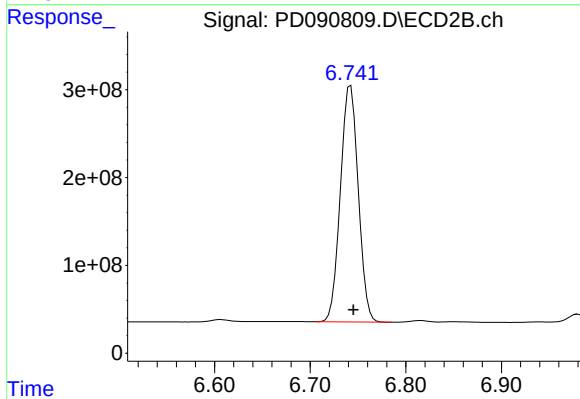
#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 33720803
Conc: 1.22 ng/ml



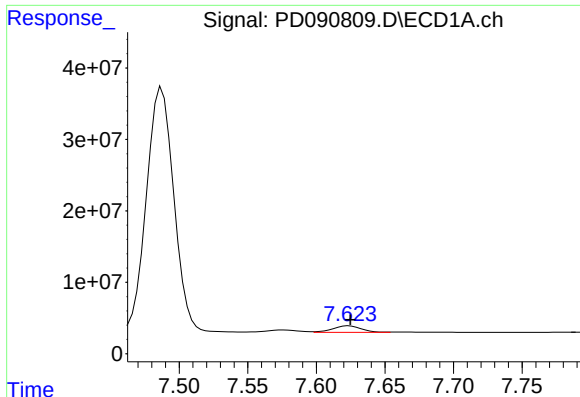
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: 0.000 min
Response: 479916190
Conc: 225.78 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 3504460103
Conc: 201.08 ng/ml



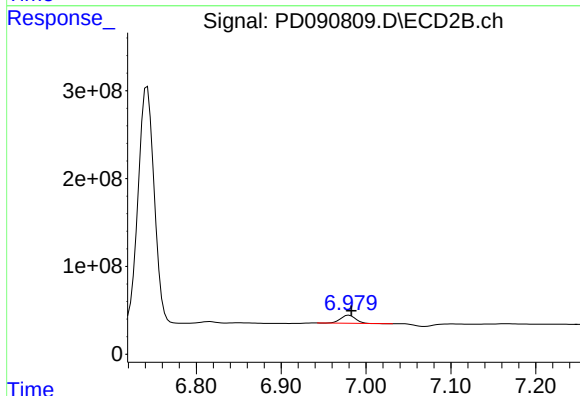
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 13090022
Conc: 2.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

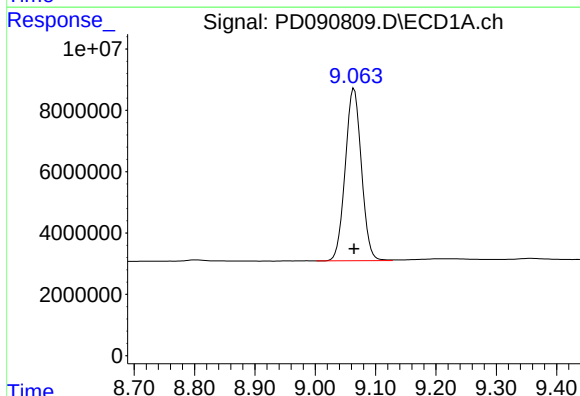
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



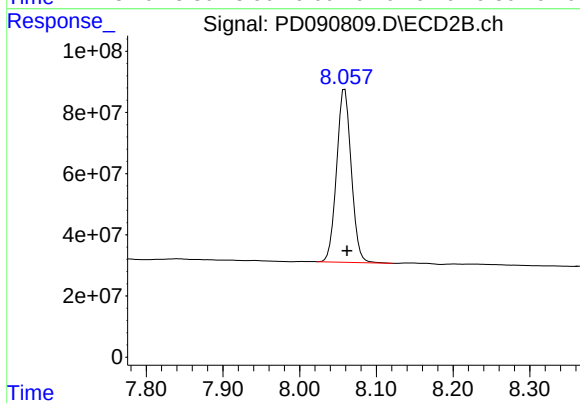
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 111884157
Conc: 2.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 104467736
Conc: 22.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 751458751
Conc: 24.81 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090831.D Date Analyzed: 10/27/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:32

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.060	8.960	9.160	21.300	20.000	6.5
Tetrachloro-m-xylene	3.543	3.490	3.590	22.310	20.000	11.6
alpha-BHC	3.992	3.940	4.040	9.460	10.000	-5.4
beta-BHC	4.510	4.460	4.560	10.800	10.000	8.0
gamma-BHC (Lindane)	4.323	4.270	4.370	9.780	10.000	-2.2
Endrin	6.565	6.490	6.640	49.150	50.000	-1.7
4,4'-DDT	7.013	6.940	7.080	102.910	100.000	2.9
Methoxychlor	7.486	7.420	7.560	235.310	250.000	-5.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090831.D Date Analyzed: 10/27/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:32

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.057	7.960	8.160	20.950	20.000	4.8
Tetrachloro-m-xylene	2.872	2.820	2.920	21.890	20.000	9.5
alpha-BHC	3.384	3.330	3.430	10.610	10.000	6.1
beta-BHC	4.016	3.970	4.070	10.800	10.000	8.0
gamma-BHC (Lindane)	3.720	3.670	3.770	10.660	10.000	6.6
Endrin	5.777	5.710	5.850	47.020	50.000	-6.0
4,4'-DDT	6.170	6.100	6.240	100.590	100.000	0.6
Methoxychlor	6.740	6.670	6.810	192.460	250.000	-23.0

PEM
 Data File: PD090831.D Date Acquired 10/27/2025 9:32
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	243482717.4	254268519.4	10785801.9	4.24
Endrin aldehyde	6.91	2923539.273			
Endrin ketone	7.62	7862262.652			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1903869218	2004703734	100834516	5.03
Endrin aldehyde #2	6.25	28829832.71			
Endrin ketone #2	6.98	72004683.24			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.01	423011030.7	433879997.4	10868966.6	2.51
4,4'-DDE	6.19	575425.755			
4,4'-DDD	6.70	10293540.87			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3528112029	3632372725	104260696	2.87
4,4'-DDE #2	5.36	5477625.483			
4,4'-DDD #2	5.92	98783070.33			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090831.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 09:32
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:06:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.543	2.872	69483538	651.7E6	22.312	21.887
28)	SA Decachlor...	9.060	8.057	99654655	634.6E6	21.303	20.951
Target Compounds							
2)	A alpha-BHC	3.992	3.384	67866154	542.0E6	9.456	10.608
3)	MA gamma-BHC...	4.323	3.720	66462113	503.8E6	9.776	10.662
6)	B beta-BHC	4.510	4.016	28300669	214.2E6	10.803	10.800
12)	B 4,4'-DDE	6.187	5.362	575426	5477625	0.108	0.125
14)	MA Endrin	6.565	5.777	243.5E6	1903.9E6	49.152	47.016
16)	A 4,4'-DDD	6.698	5.917	10293541	98783070	2.539	2.711
17)	MA 4,4'-DDT	7.013	6.170	423.0E6	3528.1E6	102.911	100.593
18)	B Endrin al...	6.908	6.245	2923539	28829833	0.798	1.041 #
20)	A Methoxychlor	7.486	6.740	500.2E6	3354.2E6	235.312	192.460
21)	B Endrin ke...	7.622	6.977	7862263	72004683	1.618	1.909

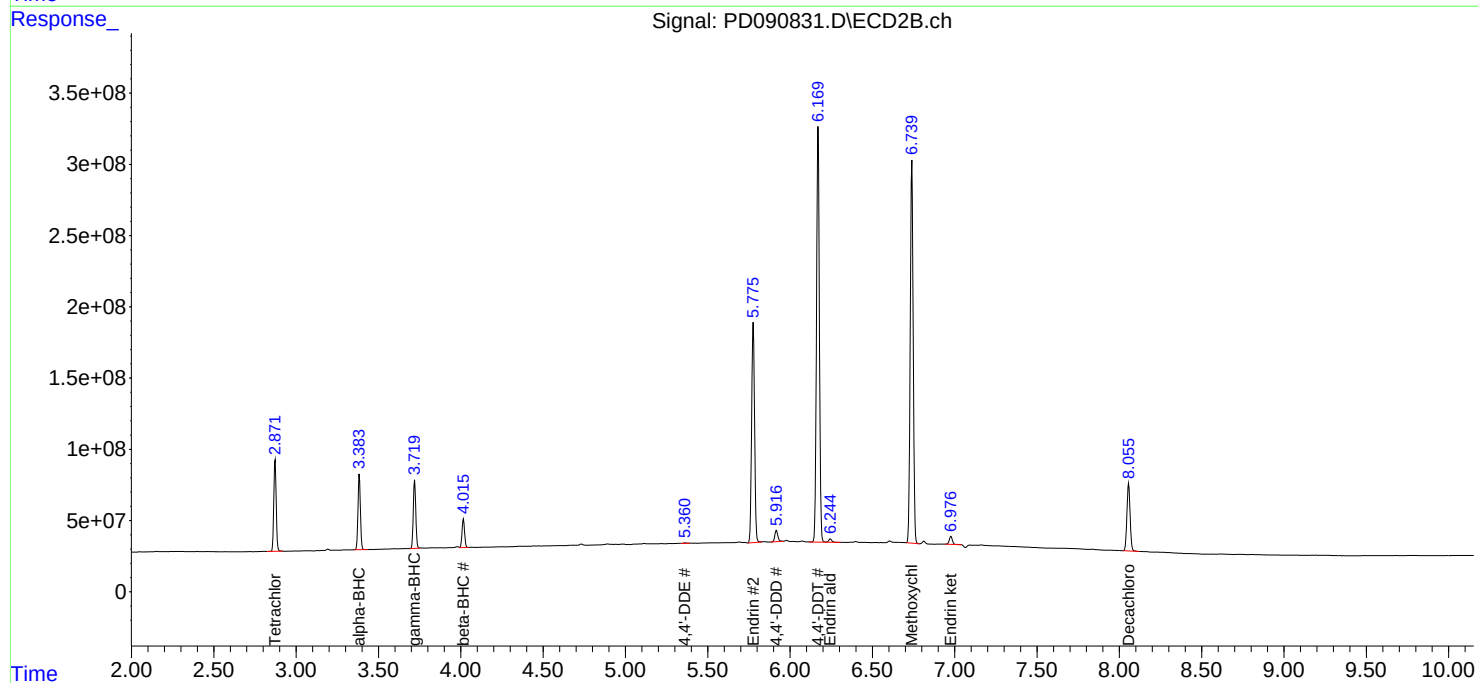
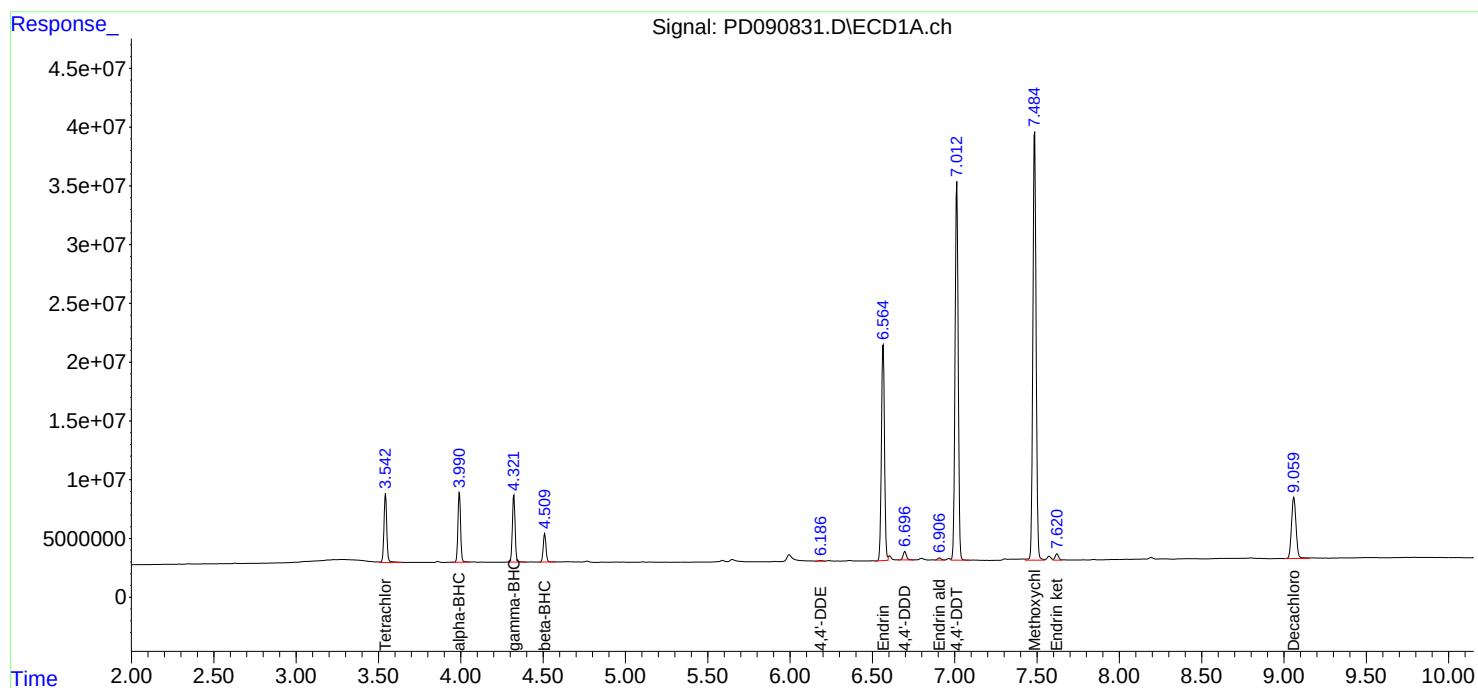
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

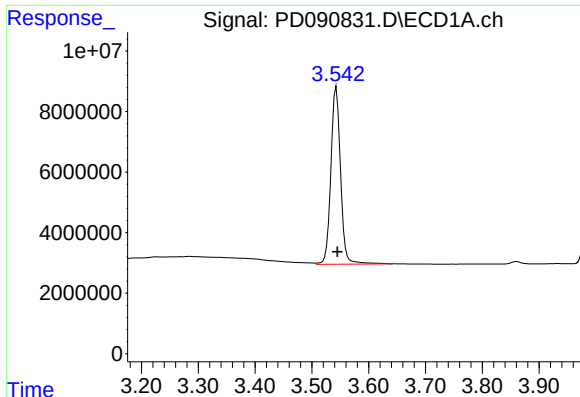
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090831.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 09:32
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:06:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

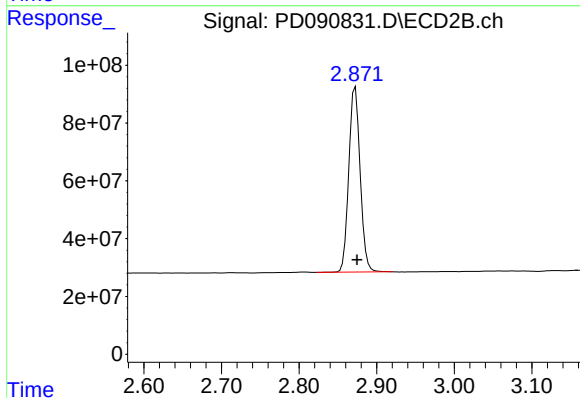




#1 Tetrachloro-m-xylene

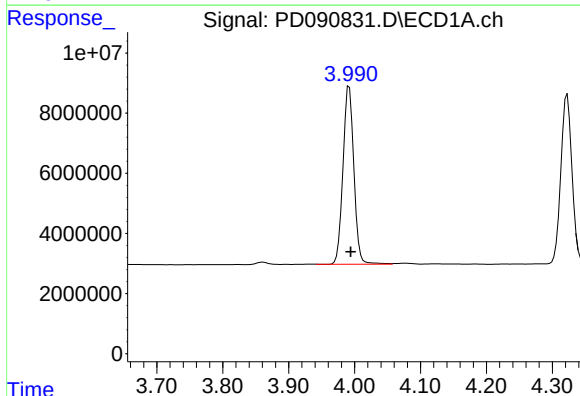
R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 69483538
Conc: 22.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



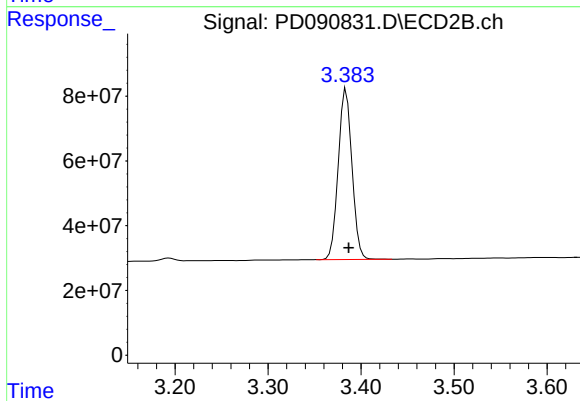
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 651735589
Conc: 21.89 ng/ml



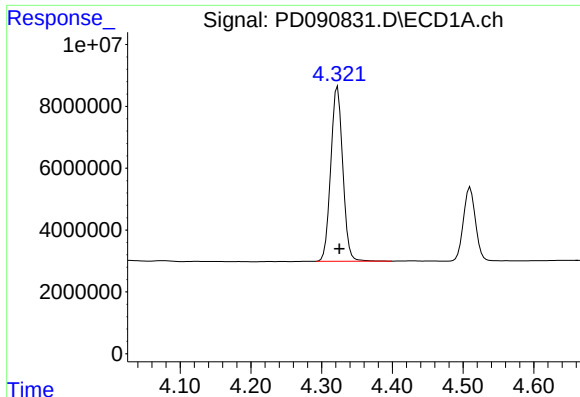
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 67866154
Conc: 9.46 ng/ml



#2 alpha-BHC

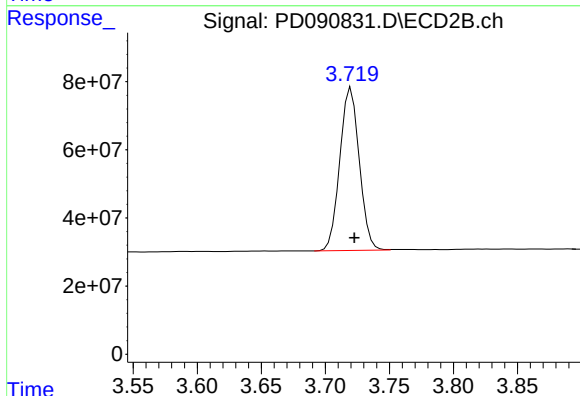
R.T.: 3.384 min
Delta R.T.: -0.002 min
Response: 542044264
Conc: 10.61 ng/ml



#3 gamma-BHC (Lindane)

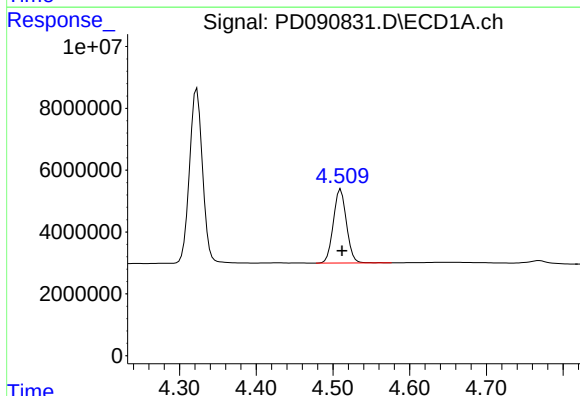
R.T.: 4.323 min
Delta R.T.: -0.002 min
Response: 66462113
Conc: 9.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



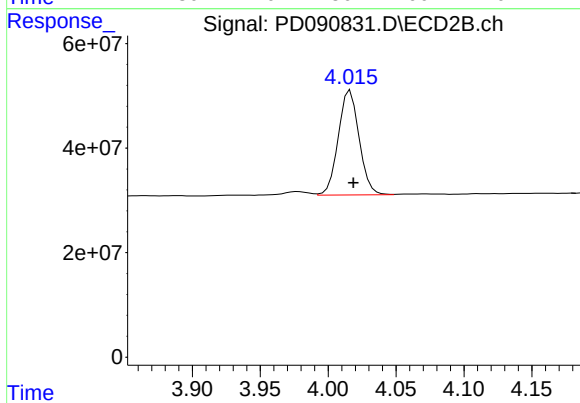
#3 gamma-BHC (Lindane)

R.T.: 3.720 min
Delta R.T.: -0.003 min
Response: 503773975
Conc: 10.66 ng/ml



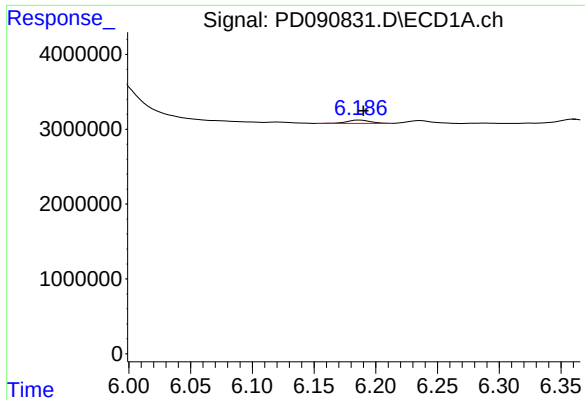
#6 beta-BHC

R.T.: 4.510 min
Delta R.T.: -0.002 min
Response: 28300669
Conc: 10.80 ng/ml



#6 beta-BHC

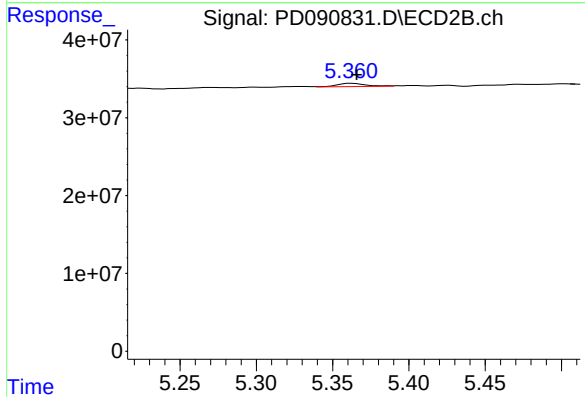
R.T.: 4.016 min
Delta R.T.: -0.002 min
Response: 214165573
Conc: 10.80 ng/ml



#12 4,4'-DDE

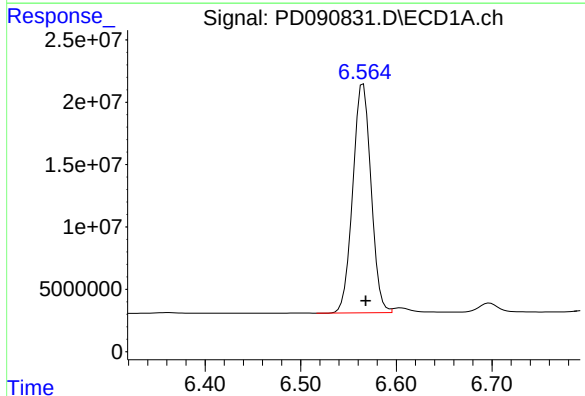
R.T.: 6.187 min
Delta R.T.: -0.003 min
Response: 575426
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



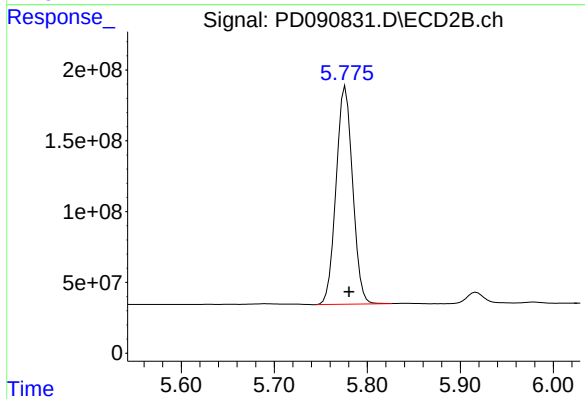
#12 4,4'-DDE

R.T.: 5.362 min
Delta R.T.: -0.004 min
Response: 5477625
Conc: 0.12 ng/ml



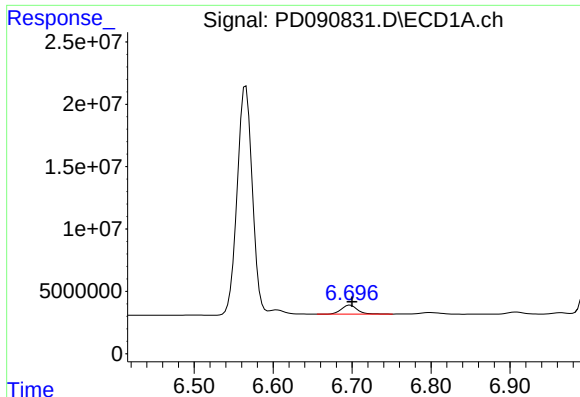
#14 Endrin

R.T.: 6.565 min
Delta R.T.: -0.003 min
Response: 243482717
Conc: 49.15 ng/ml



#14 Endrin

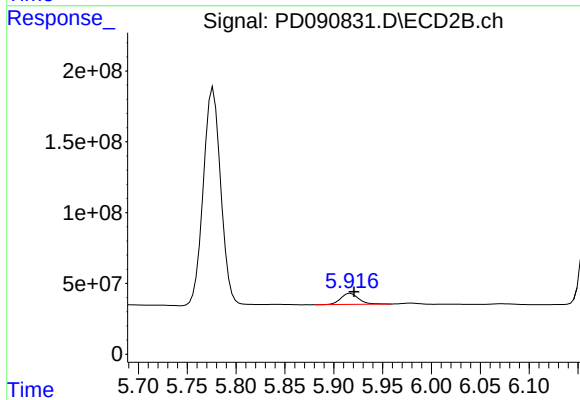
R.T.: 5.777 min
Delta R.T.: -0.004 min
Response: 1903869218
Conc: 47.02 ng/ml



#16 4,4'-DDD

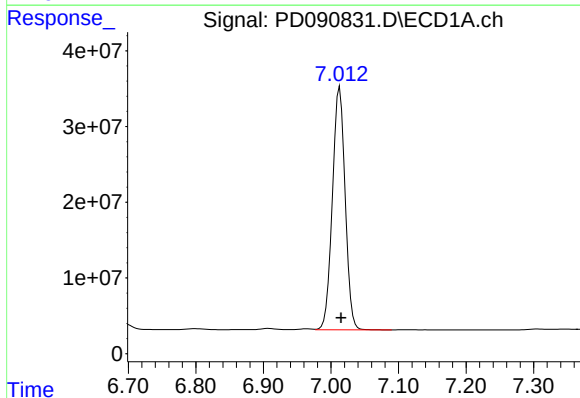
R.T.: 6.698 min
Delta R.T.: -0.002 min
Response: 10293541
Conc: 2.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



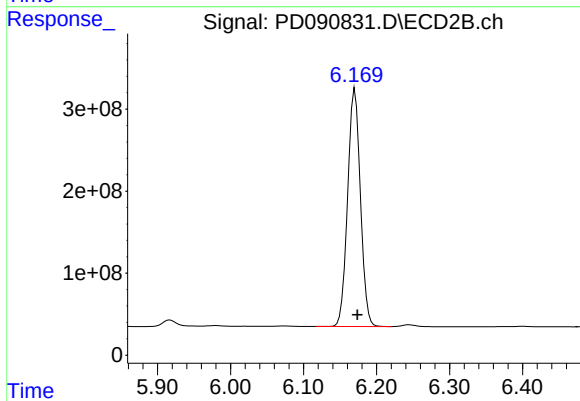
#16 4,4'-DDD

R.T.: 5.917 min
Delta R.T.: -0.004 min
Response: 98783070
Conc: 2.71 ng/ml



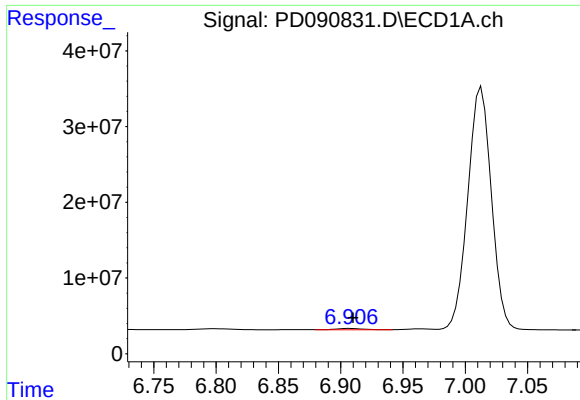
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.002 min
Response: 423011031
Conc: 102.91 ng/ml



#17 4,4'-DDT

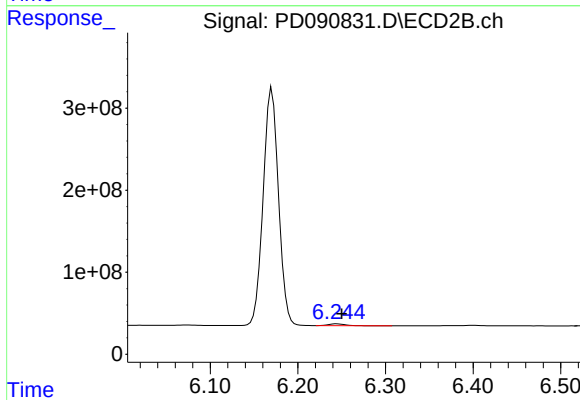
R.T.: 6.170 min
Delta R.T.: -0.003 min
Response: 3528112029
Conc: 100.59 ng/ml



#18 Endrin aldehyde

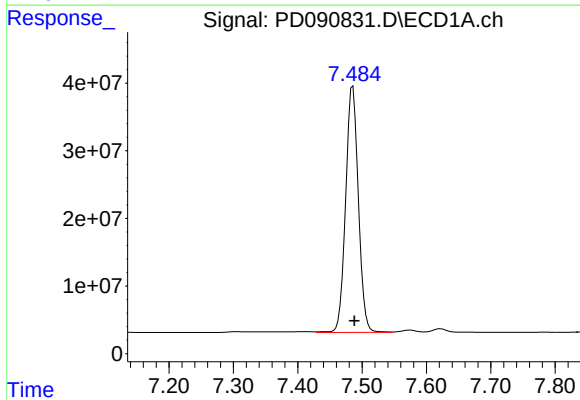
R.T.: 6.908 min
Delta R.T.: -0.002 min
Response: 2923539
Conc: 0.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



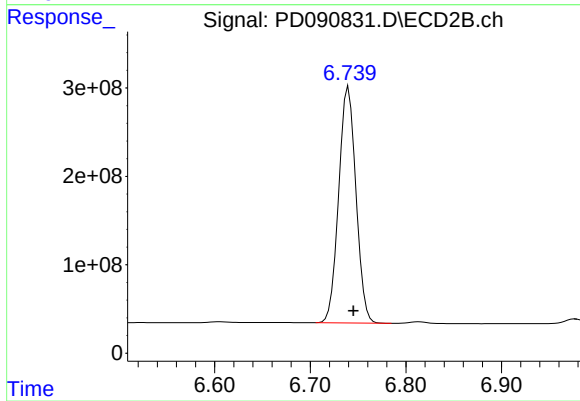
#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.005 min
Response: 28829833
Conc: 1.04 ng/ml



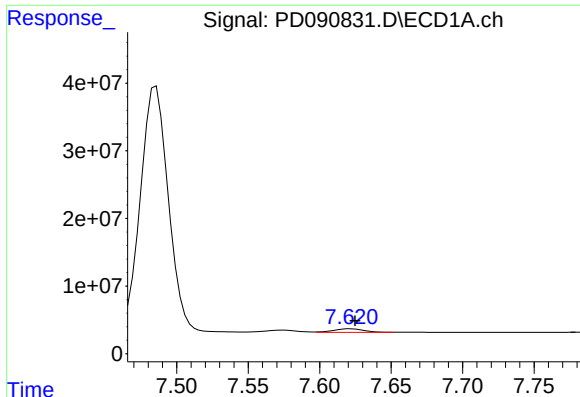
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 500176436
Conc: 235.31 ng/ml



#20 Methoxychlor

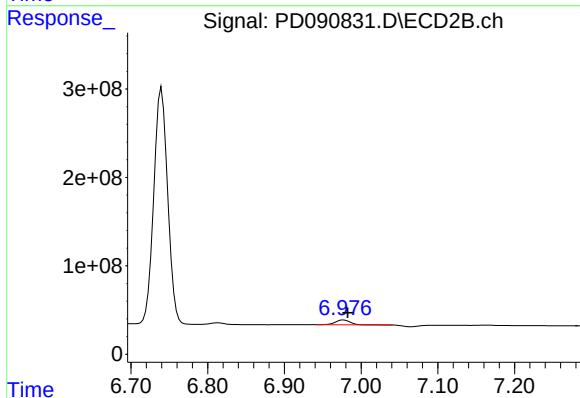
R.T.: 6.740 min
Delta R.T.: -0.005 min
Response: 3354157838
Conc: 192.46 ng/ml



#21 Endrin ketone

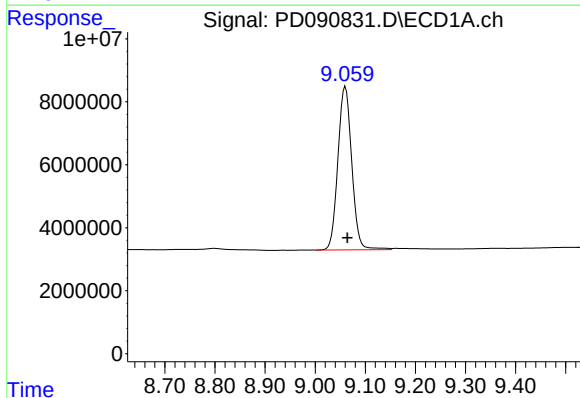
R.T.: 7.622 min
Delta R.T.: -0.003 min
Response: 7862263
Conc: 1.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



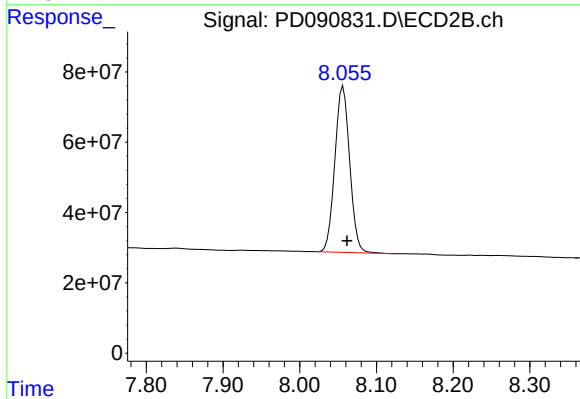
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.005 min
Response: 72004683
Conc: 1.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: -0.004 min
Response: 99654655
Conc: 21.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.005 min
Response: 634631819
Conc: 20.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090649.D
Acq On : 17 Oct 2025 11:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Title : GC Extractables
Last Update : Fri Oct 17 17:43:28 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.544	5.940	100.00%
5.940	6.068	100.00%
6.068	6.190	100.00%
6.190	6.341	100.00%
6.341	7.144	100.00%
7.144	7.488	100.00%
7.488	7.625	100.00%
7.625	9.066	100.00%

Signal #2

2.874	5.116	100.00%
5.116	5.238	100.00%
5.238	5.366	100.00%
5.366	5.503	100.00%
5.503	6.474	100.00%
6.474	6.745	100.00%
6.745	6.983	100.00%
6.983	8.062	100.00%

PD101725.M Sat Oct 25 06:10:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090649.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:20
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/19/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 14:04:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 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...	3.543	2.874	55125186	545.1E6	17.701m	18.307
28)	SA Decachlor...	9.066	8.062	88858238	547.9E6	18.995	18.088
Target Compounds							
9)	A Endosulfan I	6.068	5.238	43926319	330.7E6	7.934	8.397
10)	B gamma-Chl...	5.940	5.116	47696248	387.3E6	8.042	8.616
12)	B 4,4'-DDE	6.190	5.366	86477351	754.1E6	16.235	17.202
13)	MA Dieldrin	6.341	5.503	92552800	748.0E6	15.872	16.930
19)	B Endosulfa...	7.144	6.474	76754913	612.1E6	16.548	17.078
20)	A Methoxychlor	7.488	6.745	169.7E6	1331.6E6	79.844	76.409
21)	B Endrin ke...	7.625	6.983	80182457	638.1E6	16.502	16.917

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

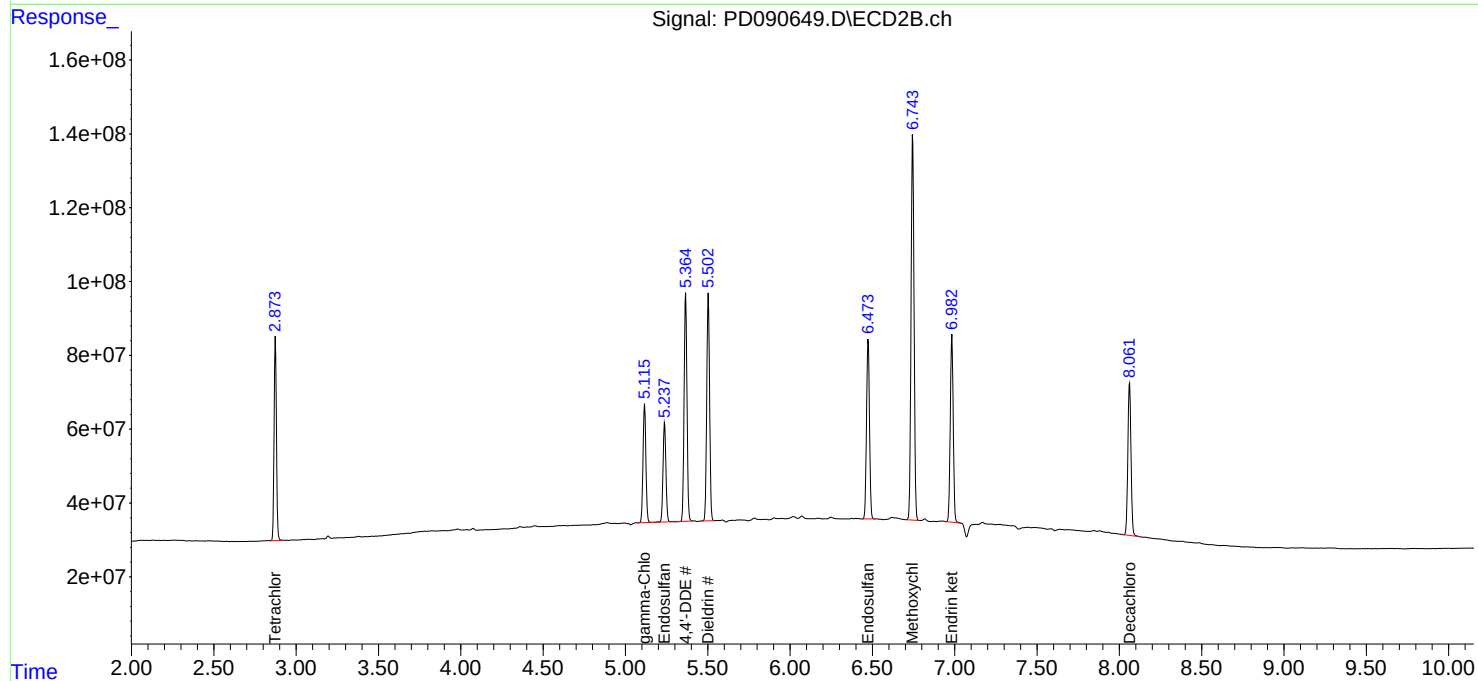
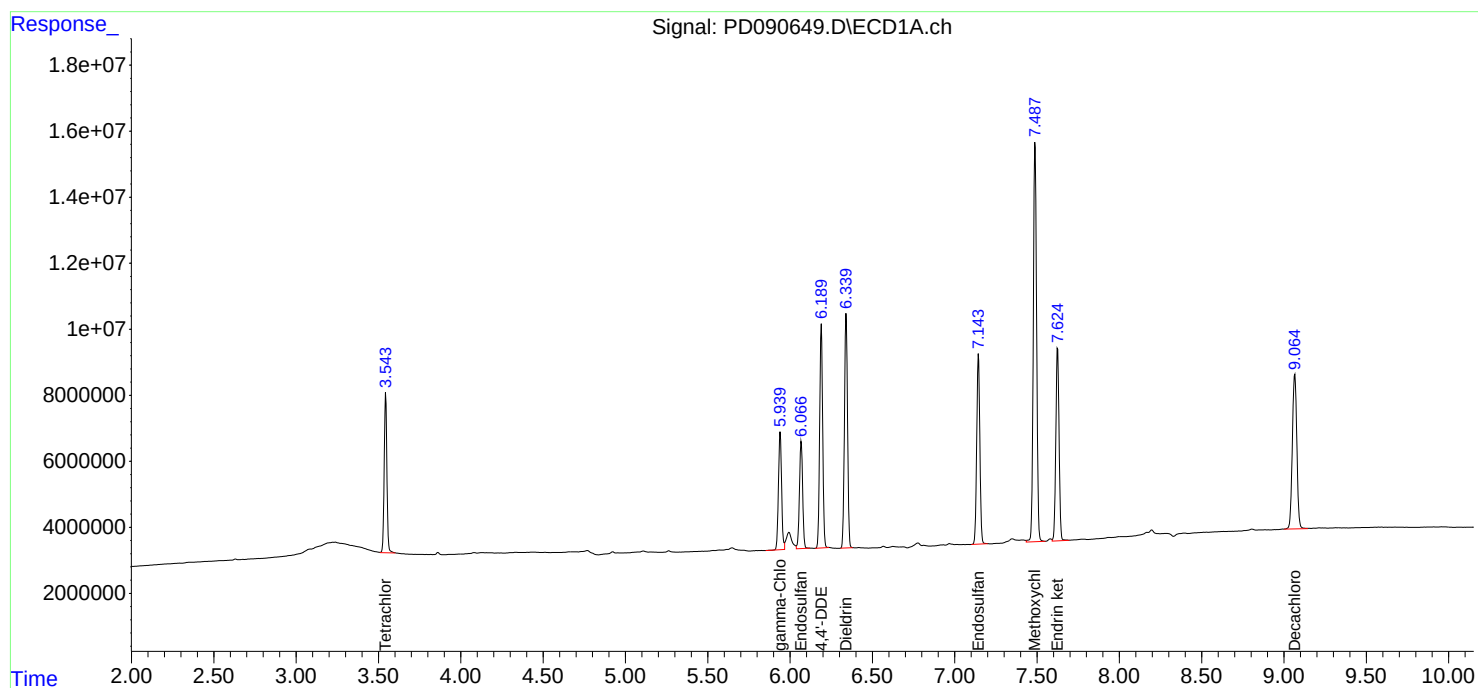
Instrument :
ECD_D
ClientSampleId :
RESCHK

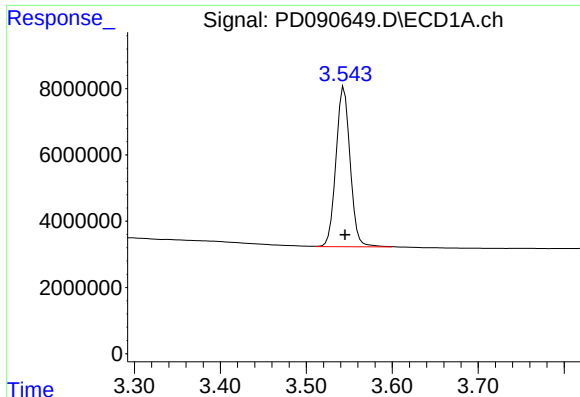
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:04:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 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





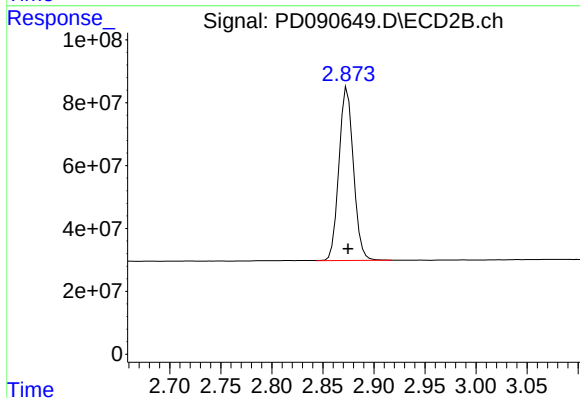
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 55125186
Conc: 17.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

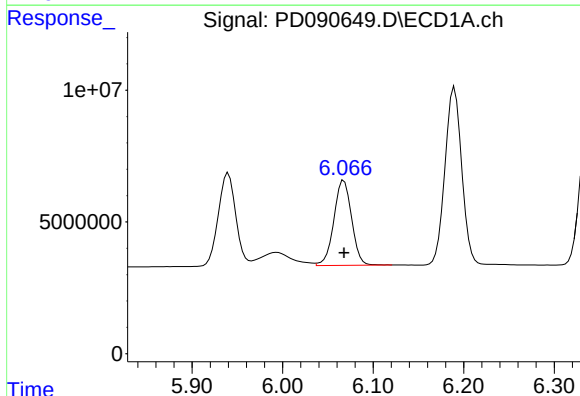
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



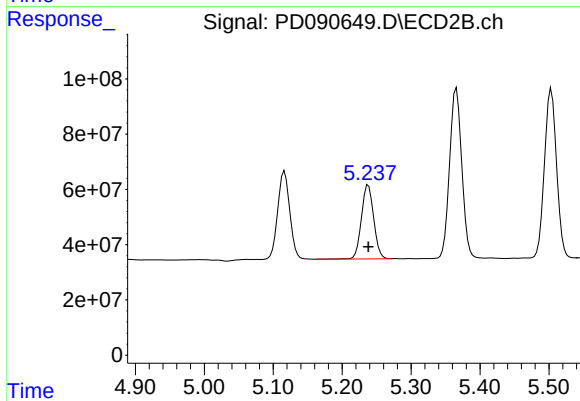
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 545126372
Conc: 18.31 ng/ml



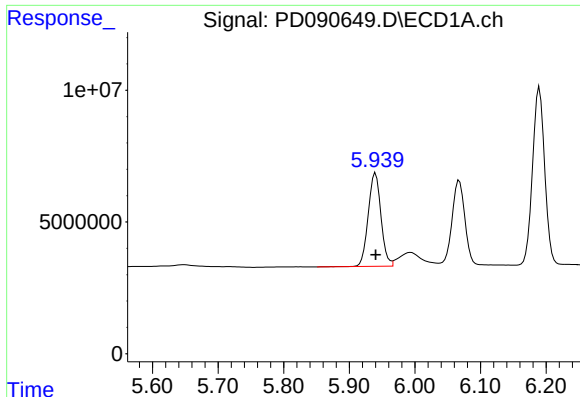
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 43926319
Conc: 7.93 ng/ml



#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 330745194
Conc: 8.40 ng/ml



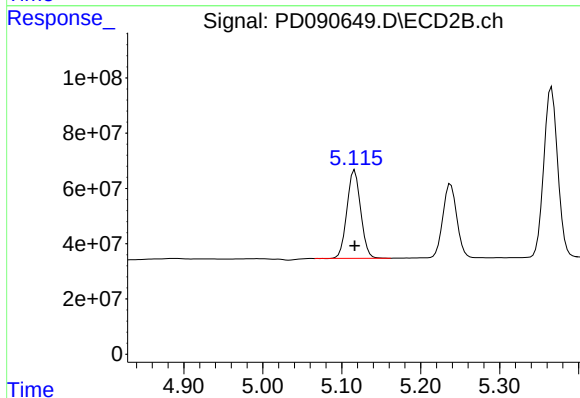
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 47696248
Conc: 8.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

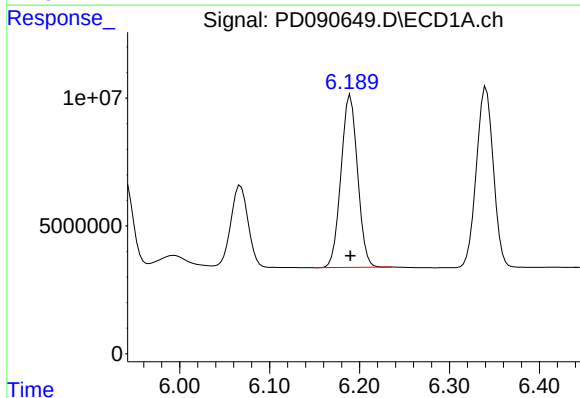
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



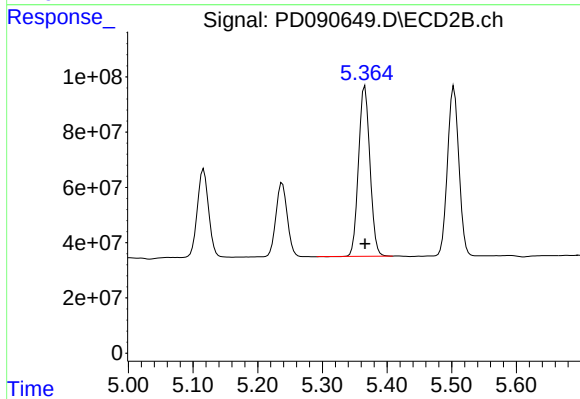
#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 387274886
Conc: 8.62 ng/ml



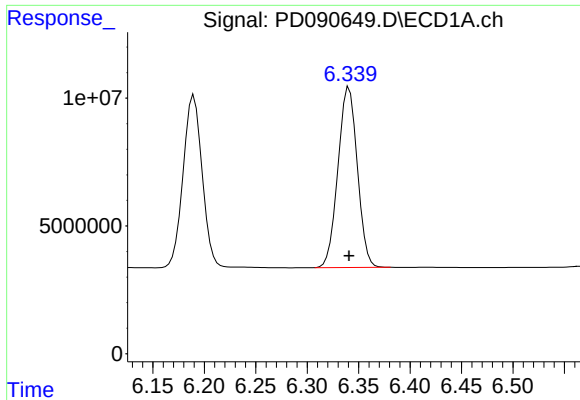
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 86477351
Conc: 16.23 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 754114700
Conc: 17.20 ng/ml



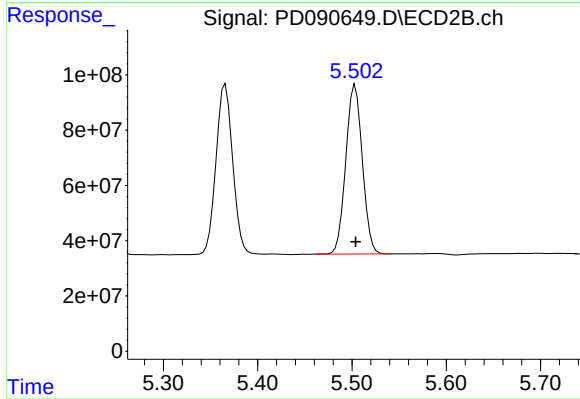
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 92552800
Conc: 15.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

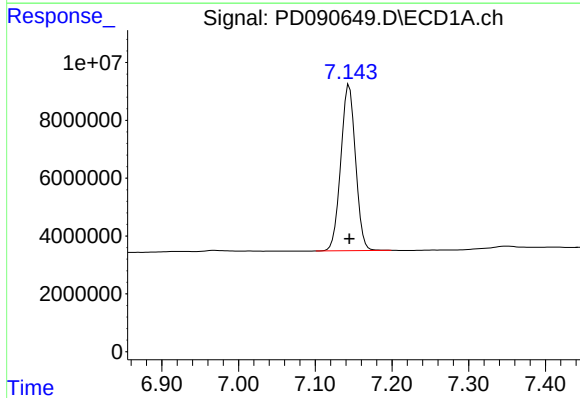
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



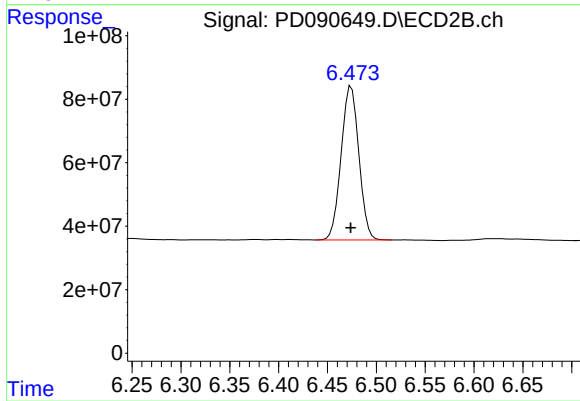
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 748035470
Conc: 16.93 ng/ml



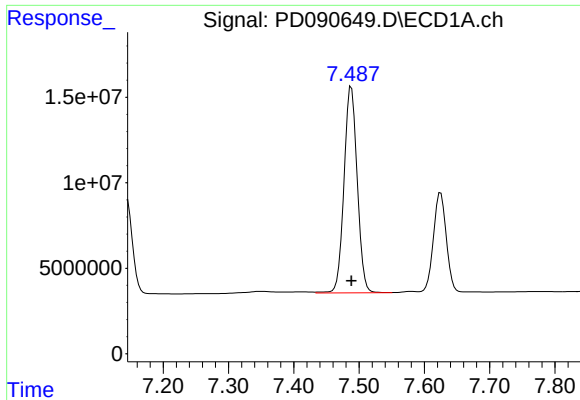
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 76754913
Conc: 16.55 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 612147653
Conc: 17.08 ng/ml



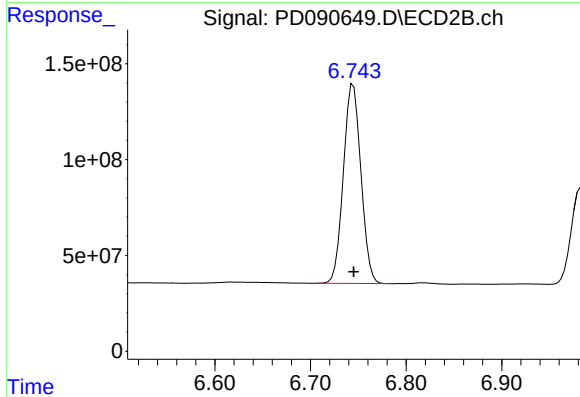
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 169715831
Conc: 79.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

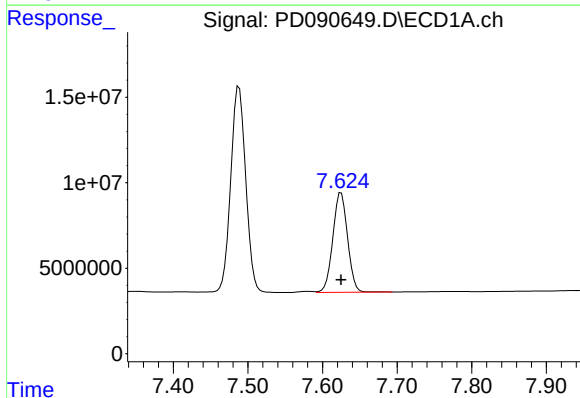
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



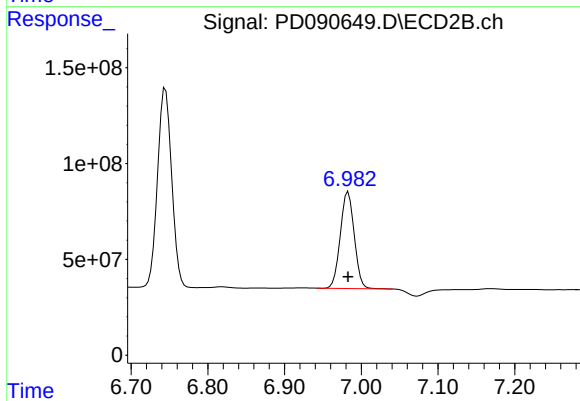
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1331648566
Conc: 76.41 ng/ml



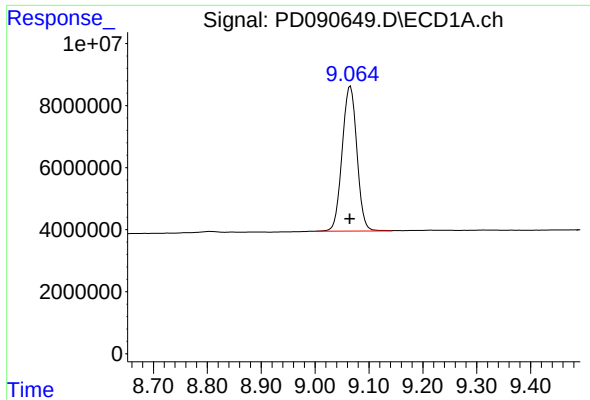
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 80182457
Conc: 16.50 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 638061752
Conc: 16.92 ng/ml



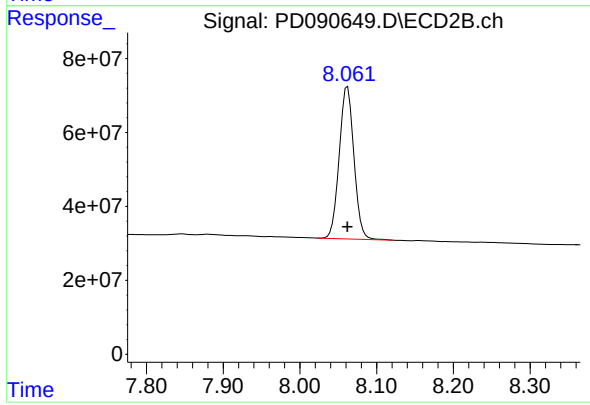
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 88858238
Conc: 19.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 547910430
Conc: 18.09 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3447

Project: RFP 905

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/17/2025 10/17/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICCC100	PSTDICCC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICCC075	PSTDICCC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICCC050	PSTDICCC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICCC025	PSTDICCC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICCC005	PSTDICCC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
IBLK	IBLK	10/24/2025	09:57	PD090808.D	9.06	3.54
PEM	PEM	10/24/2025	10:10	PD090809.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2025	10:24	PD090810.D	9.06	3.54
PB170235BL	PB170235BL	10/24/2025	11:30	PD090813.D	9.06	3.54
PB170235BS	PB170235BS	10/24/2025	11:43	PD090814.D	9.06	3.54
TP-10MS	Q3439-05MS	10/24/2025	13:18	PD090818.D	9.06	3.54
TP-10MSD	Q3439-05MSD	10/24/2025	13:31	PD090819.D	9.06	3.54
P001-TW3-251023-01	Q3447-05	10/24/2025	13:58	PD090821.D	9.07	3.54
P001-TW1-251023-01	Q3447-01	10/24/2025	14:57	PD090822.D	9.07	3.54
IBLK	IBLK	10/24/2025	15:10	PD090823.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2025	15:42	PD090824.D	9.07	3.55
P001-TW4-251023-01	Q3447-07	10/24/2025	16:38	PD090826.D	9.08	3.54
IBLK	IBLK	10/24/2025	16:51	PD090827.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2025	18:14	PD090828.D	9.06	3.54
IBLK	IBLK	10/27/2025	09:19	PD090830.D	9.06	3.54
PEM	PEM	10/27/2025	09:32	PD090831.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/27/2025	10:30	PD090832.D	9.07	3.55
P001-TW2-251023-01	Q3447-03	10/27/2025	10:54	PD090833.D	9.09	3.55
IBLK	IBLK	10/27/2025	15:48	PD090844.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/27/2025	16:45	PD090845.D	9.07	3.55

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3447

Project: RFP 905

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/17/2025 10/17/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICCC100	PSTDICCC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICCC075	PSTDICCC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICCC050	PSTDICCC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICCC025	PSTDICCC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICCC005	PSTDICCC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
IBLK	IBLK	10/24/2025	09:57	PD090808.D	8.06	2.87
PEM	PEM	10/24/2025	10:10	PD090809.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/24/2025	10:24	PD090810.D	8.06	2.87
PB170235BL	PB170235BL	10/24/2025	11:30	PD090813.D	8.06	2.87
PB170235BS	PB170235BS	10/24/2025	11:43	PD090814.D	8.06	2.87
TP-10MS	Q3439-05MS	10/24/2025	13:18	PD090818.D	8.06	2.87
TP-10MSD	Q3439-05MSD	10/24/2025	13:31	PD090819.D	8.06	2.87
P001-TW3-251023-01	Q3447-05	10/24/2025	13:58	PD090821.D	8.06	2.87
P001-TW1-251023-01	Q3447-01	10/24/2025	14:57	PD090822.D	8.06	2.87
IBLK	IBLK	10/24/2025	15:10	PD090823.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/24/2025	15:42	PD090824.D	8.06	2.87
P001-TW4-251023-01	Q3447-07	10/24/2025	16:38	PD090826.D	8.06	2.88
IBLK	IBLK	10/24/2025	16:51	PD090827.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/24/2025	18:14	PD090828.D	8.06	2.87
IBLK	IBLK	10/27/2025	09:19	PD090830.D	8.06	2.87
PEM	PEM	10/27/2025	09:32	PD090831.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/27/2025	10:30	PD090832.D	8.06	2.87
P001-TW2-251023-01	Q3447-03	10/27/2025	10:54	PD090833.D	8.06	2.87
IBLK	IBLK	10/27/2025	15:48	PD090844.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/27/2025	16:45	PD090845.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-TW2-251023-01

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: Q3447-03

Date(s) Analyzed: 10/27/2025 10/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	22.9	41
	2	6.17	6.12	6.22	34.7	
Endosulfan sulfate	1	7.14	7.09	7.19	14.7	57.9
	2	6.47	6.42	6.52	8.10	
Aldrin	1	5.26	5.21	5.31	7.60	25.2
	2	4.36	4.31	4.41	5.90	
Endosulfan I	1	6.06	6.01	6.11	4.10	60.3
	2	5.23	5.18	5.28	2.20	
alpha-Chlordane	1	6.03	5.98	6.08	5.30	28
	2	5.18	5.13	5.23	4.00	
4,4'-DDE	1	6.19	6.14	6.24	19.7	7.9
	2	5.38	5.33	5.43	18.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170235BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: PB170235BS

Date(s) Analyzed: 10/24/2025 10/24/2025

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	17.1	5.4
	2	5.92	5.87	5.97	16.2	
4,4'-DDE	1	6.19	6.14	6.24	15.4	2.6
	2	5.36	5.31	5.41	15.8	
4,4'-DDT	1	7.01	6.96	7.06	15.8	0.6
	2	6.17	6.12	6.22	15.7	
alpha-BHC	1	3.99	3.94	4.04	15.7	3.2
	2	3.39	3.34	3.44	15.2	
Aldrin	1	5.26	5.21	5.31	15.7	2.6
	2	4.36	4.31	4.41	15.3	
alpha-Chlordane	1	6.02	5.97	6.07	15.3	1.3
	2	5.18	5.13	5.23	15.5	
Endosulfan II	1	6.78	6.73	6.83	16.2	1.9
	2	6.07	6.02	6.12	15.9	
Endosulfan sulfate	1	7.14	7.09	7.19	15.8	1.9
	2	6.47	6.42	6.52	16.1	
beta-BHC	1	4.51	4.46	4.56	15.3	1.3
	2	4.02	3.97	4.07	15.1	
delta-BHC	1	4.76	4.71	4.81	15.8	2.6
	2	4.25	4.20	4.30	15.4	
Endosulfan I	1	6.07	6.02	6.12	15.8	7.2
	2	5.24	5.19	5.29	14.7	
Dieldrin	1	6.34	6.29	6.39	16.0	1.3
	2	5.50	5.45	5.55	15.8	
Endrin aldehyde	1	6.91	6.86	6.96	16.5	0.6
	2	6.25	6.20	6.30	16.4	
Methoxychlor	1	7.49	7.44	7.54	15.4	2.6
	2	6.74	6.69	6.79	15.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170235BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: PB170235BS

Date(s) Analyzed: 10/24/2025 10/24/2025

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	7.62	7.57	7.67	16.4	3.6
	2	6.98	6.93	7.03	17.0	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.5	2
	2	3.72	3.67	3.77	15.2	
Heptachlor	1	4.92	4.87	4.97	18.2	15.4
	2	4.07	4.02	4.12	15.6	
Heptachlor epoxide	1	5.68	5.63	5.73	15.9	3.8
	2	4.86	4.81	4.91	15.3	
gamma-Chlordane	1	5.94	5.89	5.99	15.7	0.6
	2	5.12	5.07	5.17	15.6	
Endrin	1	6.57	6.52	6.62	15.4	0.6
	2	5.78	5.73	5.83	15.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-10MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: Q3439-05MS

Date(s) Analyzed: 10/24/2025

10/24/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.78	6.73	6.83	17.3	3.5
	2	6.07	6.02	6.12	16.7	
4,4'-DDD	1	6.70	6.65	6.75	18.4	14.6
	2	5.92	5.87	5.97	15.9	
4,4'-DDT	1	7.01	6.96	7.06	16.7	3.7
	2	6.17	6.12	6.22	16.1	
Endrin aldehyde	1	6.91	6.86	6.96	17.6	7.7
	2	6.25	6.20	6.30	16.3	
Endosulfan sulfate	1	7.14	7.09	7.19	17.1	6
	2	6.47	6.42	6.52	16.1	
Methoxychlor	1	7.49	7.44	7.54	16.4	7.6
	2	6.74	6.69	6.79	15.2	
Endrin ketone	1	7.62	7.57	7.67	17.3	11.6
	2	6.98	6.93	7.03	15.4	
alpha-BHC	1	3.99	3.94	4.04	19.6	4.7
	2	3.39	3.34	3.44	18.7	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	19.1	3.7
	2	3.72	3.67	3.77	18.4	
Heptachlor	1	4.92	4.87	4.97	21.8	15.8
	2	4.07	4.02	4.12	18.6	
Aldrin	1	5.26	5.21	5.31	18.6	2.7
	2	4.36	4.31	4.41	18.1	
beta-BHC	1	4.51	4.46	4.56	18.7	3.3
	2	4.02	3.97	4.07	18.1	
delta-BHC	1	4.76	4.71	4.81	19.5	8
	2	4.25	4.20	4.30	18.0	
Heptachlor epoxide	1	5.68	5.63	5.73	18.8	4.9
	2	4.86	4.81	4.91	17.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-10MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: Q3439-05MS

Date(s) Analyzed: 10/24/2025 10/24/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	18.0	4.5
	2	5.24	5.19	5.29	17.2	
gamma-Chlordane	1	5.94	5.89	5.99	17.4	0
	2	5.12	5.07	5.17	17.4	
alpha-Chlordane	1	6.02	5.97	6.07	17.9	3.4
	2	5.18	5.13	5.23	17.3	
4,4'-DDE	1	6.19	6.14	6.24	17.6	3.5
	2	5.36	5.31	5.41	17.0	
Dieldrin	1	6.34	6.29	6.39	17.8	4
	2	5.50	5.45	5.55	17.1	
Endrin	1	6.57	6.52	6.62	17.4	6.5
	2	5.78	5.73	5.83	16.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-10MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: Q3439-05MSD

Date(s) Analyzed: 10/24/2025 10/24/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.78	6.73	6.83	17.4	2.3
	2	6.07	6.02	6.12	17.0	
4,4'-DDD	1	6.70	6.65	6.75	18.8	15.5
	2	5.92	5.87	5.97	16.1	
4,4'-DDT	1	7.01	6.96	7.06	17.4	5.3
	2	6.17	6.12	6.22	16.5	
Endrin aldehyde	1	6.91	6.86	6.96	17.6	6.5
	2	6.25	6.20	6.30	16.5	
Endosulfan sulfate	1	7.14	7.09	7.19	16.9	3
	2	6.47	6.42	6.52	16.4	
Methoxychlor	1	7.49	7.44	7.54	17.0	9.9
	2	6.74	6.69	6.79	15.4	
Endrin ketone	1	7.62	7.57	7.67	18.3	11
	2	6.98	6.93	7.03	16.4	
alpha-BHC	1	3.99	3.94	4.04	19.7	5.7
	2	3.39	3.34	3.44	18.6	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	19.1	3.7
	2	3.72	3.67	3.77	18.4	
Heptachlor	1	4.92	4.87	4.97	22.1	17.2
	2	4.07	4.02	4.12	18.6	
Aldrin	1	5.26	5.21	5.31	19.0	5.4
	2	4.36	4.31	4.41	18.0	
beta-BHC	1	4.51	4.46	4.56	18.5	1.6
	2	4.02	3.97	4.07	18.2	
delta-BHC	1	4.76	4.71	4.81	19.4	6.9
	2	4.25	4.20	4.30	18.1	
Heptachlor epoxide	1	5.68	5.63	5.73	18.6	3.3
	2	4.86	4.81	4.91	18.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-10MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: Q3439-05MSD

Date(s) Analyzed: 10/24/2025 10/24/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	18.3	3.3
	2	5.24	5.19	5.29	17.7	
gamma-Chlordane	1	5.94	5.89	5.99	18.0	1.7
	2	5.12	5.07	5.17	17.7	
alpha-Chlordane	1	6.02	5.97	6.07	18.0	1.7
	2	5.18	5.13	5.23	17.7	
4,4'-DDE	1	6.19	6.14	6.24	17.7	2.3
	2	5.36	5.31	5.41	17.3	
Dieldrin	1	6.34	6.29	6.39	18.2	5.6
	2	5.50	5.45	5.55	17.2	
Endrin	1	6.57	6.52	6.62	17.8	7.6
	2	5.78	5.73	5.83	16.5	



QC SAMPLE DATA



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 905		Date Received:	
Client Sample ID:	PB170235BL		SDG No.:	Q3447
Lab Sample ID:	PB170235BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.13	U	1	0.13	1.70	ug/kg	10/24/25 11:30	PB170235
319-85-7	beta-BHC	0.18	U	1	0.18	1.70	ug/kg	10/24/25 11:30	PB170235
319-86-8	delta-BHC	0.39	U	1	0.39	1.70	ug/kg	10/24/25 11:30	PB170235
58-89-9	gamma-BHC (Lindane)	0.14	U	1	0.14	1.70	ug/kg	10/24/25 11:30	PB170235
76-44-8	Heptachlor	0.12	U	1	0.12	1.70	ug/kg	10/24/25 11:30	PB170235
309-00-2	Aldrin	0.12	U	1	0.12	1.70	ug/kg	10/24/25 11:30	PB170235
1024-57-3	Heptachlor epoxide	0.19	U	1	0.19	1.70	ug/kg	10/24/25 11:30	PB170235
959-98-8	Endosulfan I	0.14	U	1	0.14	1.70	ug/kg	10/24/25 11:30	PB170235
60-57-1	Dieldrin	0.14	U	1	0.14	1.70	ug/kg	10/24/25 11:30	PB170235
72-55-9	4,4-DDE	0.14	U	1	0.14	1.70	ug/kg	10/24/25 11:30	PB170235
72-20-8	Endrin	0.14	U	1	0.14	1.70	ug/kg	10/24/25 11:30	PB170235
33213-65-9	Endosulfan II	0.29	U	1	0.29	1.70	ug/kg	10/24/25 11:30	PB170235
72-54-8	4,4-DDD	0.15	U	1	0.15	1.70	ug/kg	10/24/25 11:30	PB170235
1031-07-8	Endosulfan Sulfate	0.13	U	1	0.13	1.70	ug/kg	10/24/25 11:30	PB170235
50-29-3	4,4-DDT	0.14	U	1	0.14	1.70	ug/kg	10/24/25 11:30	PB170235
72-43-5	Methoxychlor	0.37	U	1	0.37	1.70	ug/kg	10/24/25 11:30	PB170235
53494-70-5	Endrin ketone	0.19	U	1	0.19	1.70	ug/kg	10/24/25 11:30	PB170235
7421-93-4	Endrin aldehyde	0.37	U	1	0.37	1.70	ug/kg	10/24/25 11:30	PB170235
5103-71-9	alpha-Chlordane	0.12	U	1	0.12	1.70	ug/kg	10/24/25 11:30	PB170235
5103-74-2	gamma-Chlordane	0.15	U	1	0.15	1.70	ug/kg	10/24/25 11:30	PB170235
8001-35-2	Toxaphene	5.40	U	1	5.40	33.0	ug/kg	10/24/25 11:30	PB170235
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.0			20 - 144	120%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.0			19 - 148	105%	SPK: 20		

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\PD102425\
 Data File : PD090813.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 11:30
 Operator : AR\AJ
 Sample : PB170235BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170235BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:35:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.544	2.874	63793280	626.0E6	20.485	21.022
28)	SA Decachlor...	9.064	8.059	102.4E6	727.8E6	21.899	24.026

Target Compounds

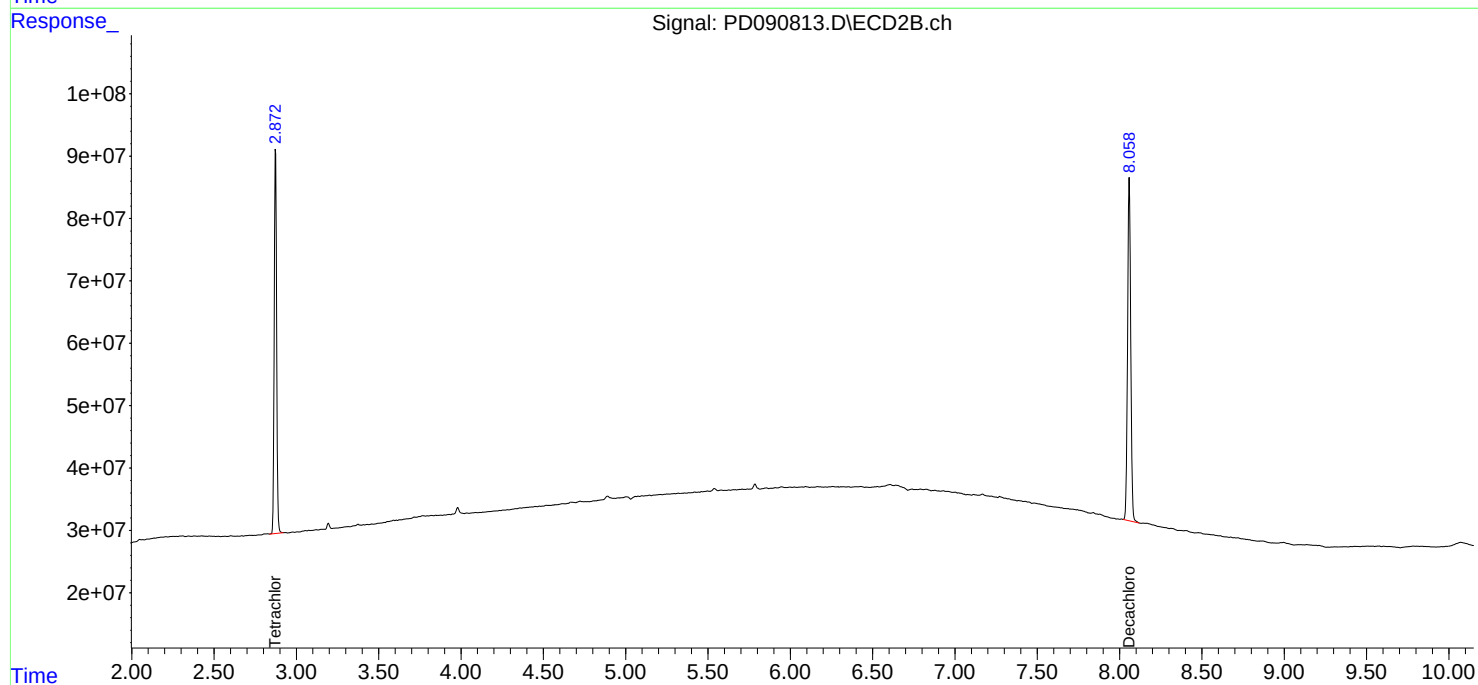
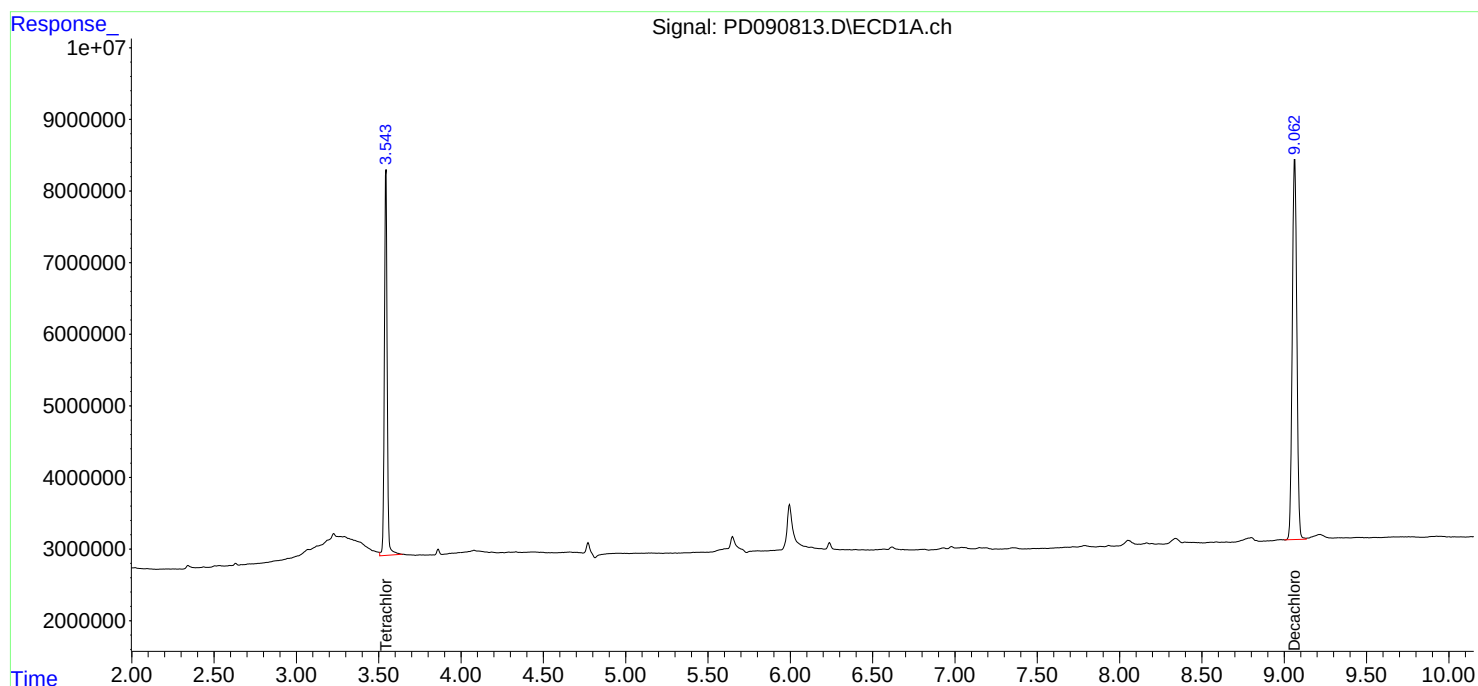
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

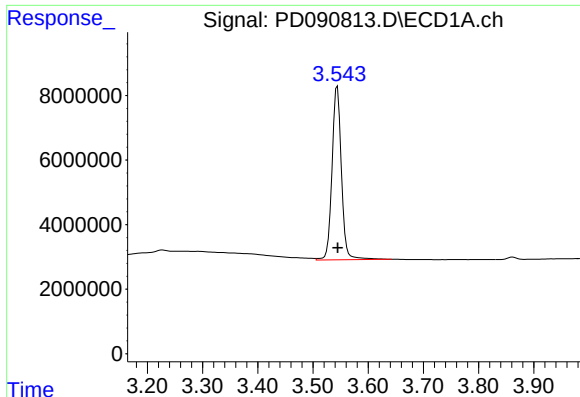
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090813.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 11:30
Operator : AR\AJ
Sample : PB170235BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170235BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:35:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

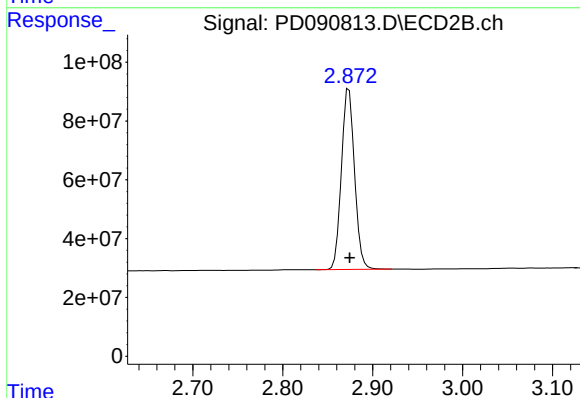




#1 Tetrachloro-m-xylene

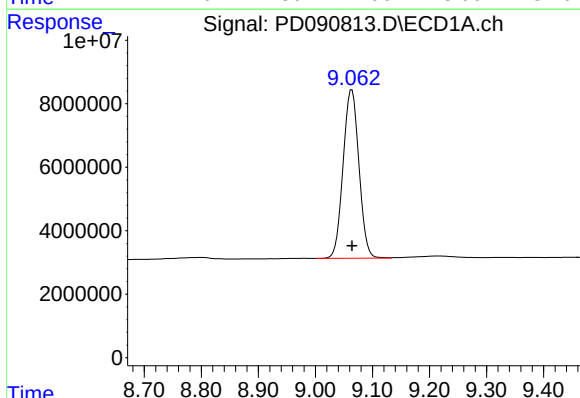
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 63793280
Conc: 20.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BL



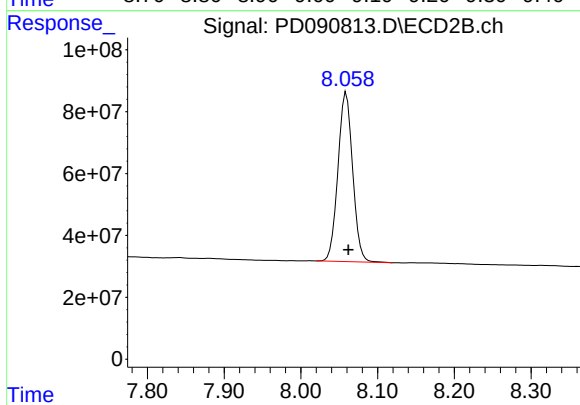
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 625981631
Conc: 21.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 102444947
Conc: 21.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 727771798
Conc: 24.03 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/17/25
Project:	RFP 905		Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PD090647.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			57 - 171	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			61 - 148	100%	SPK: 20		

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\PD101725\
Data File : PD090647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:53
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: Oct 17 14:03:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 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...	3.545	2.875	60526543	594.5E6	19.436	19.964
28)	SA Decachlor...	9.066	8.062	99514776	616.2E6	21.273	20.342

Target Compounds

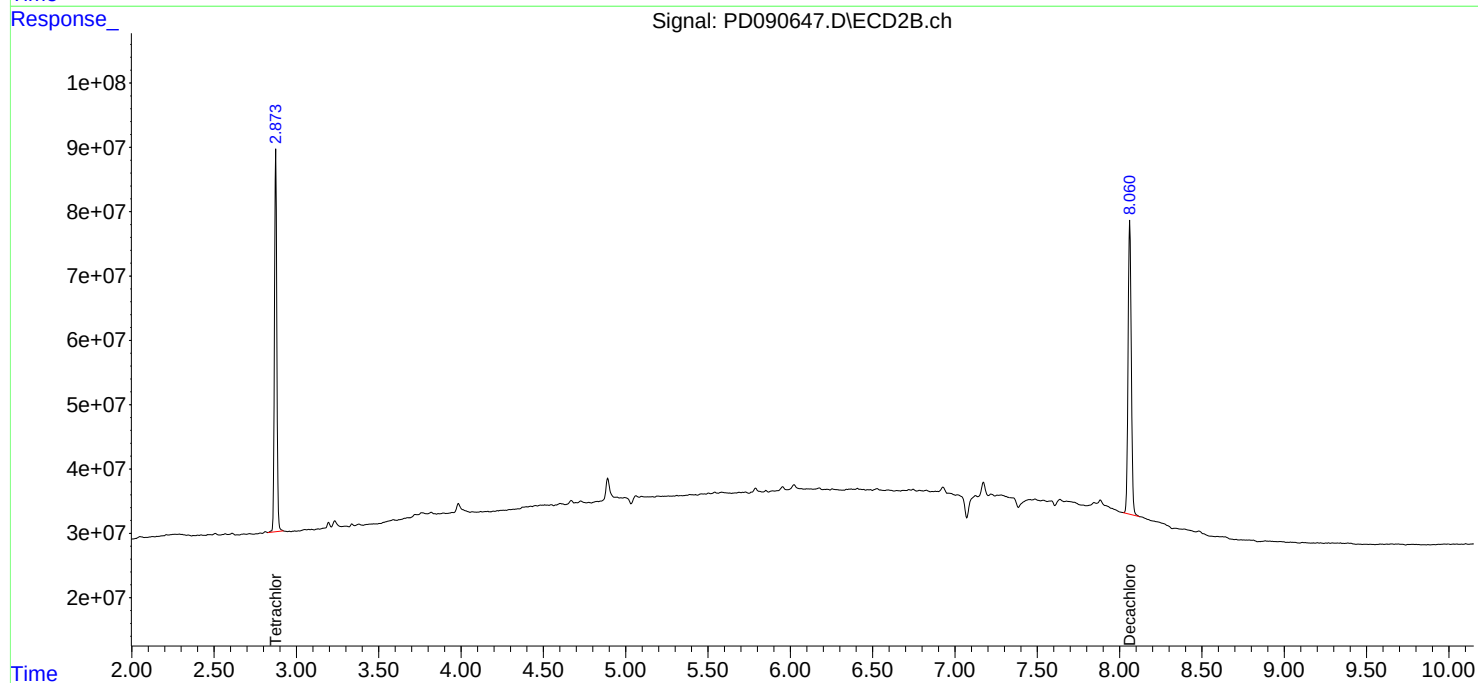
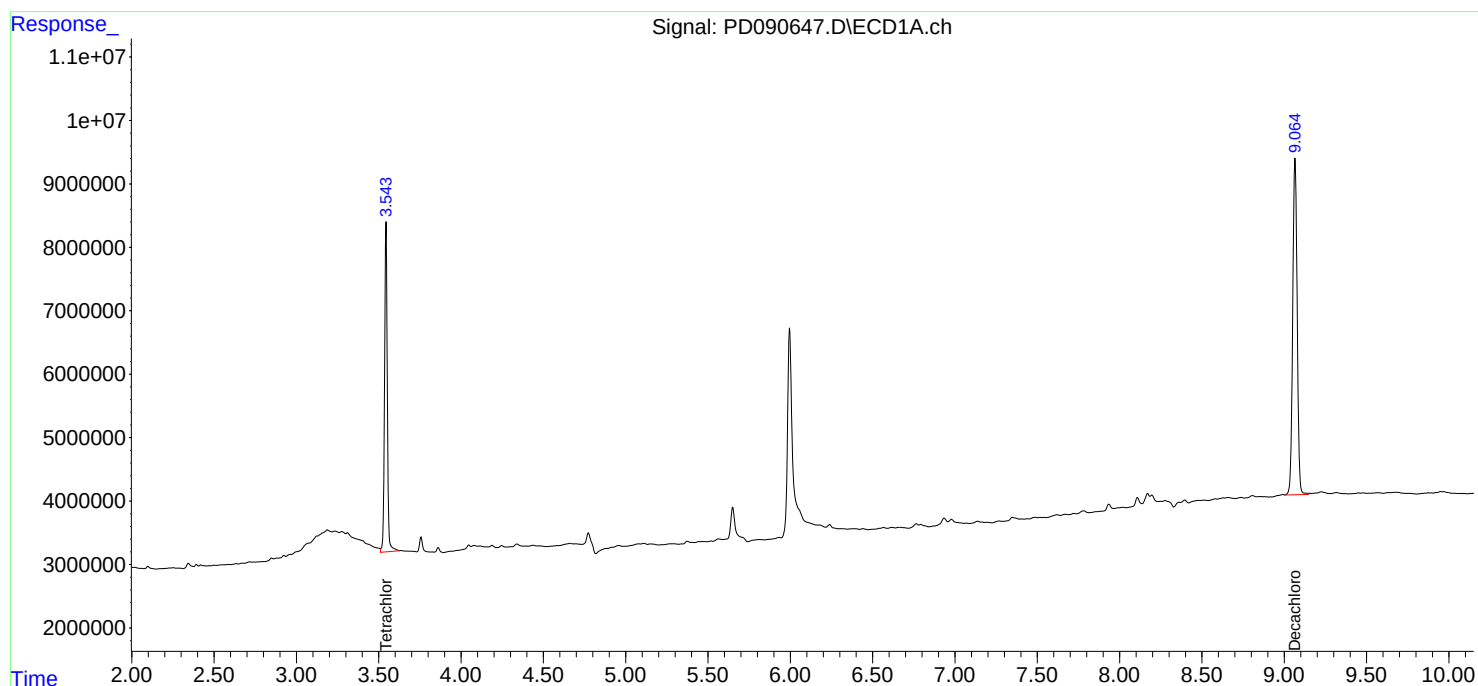
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

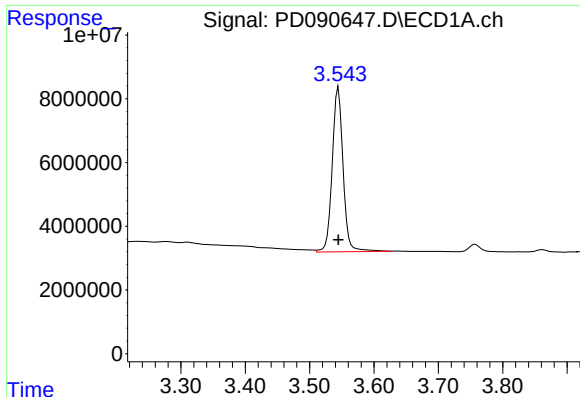
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:03:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 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

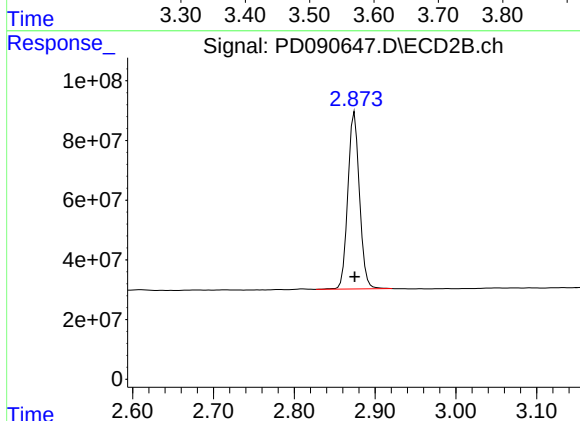




#1 Tetrachloro-m-xylene

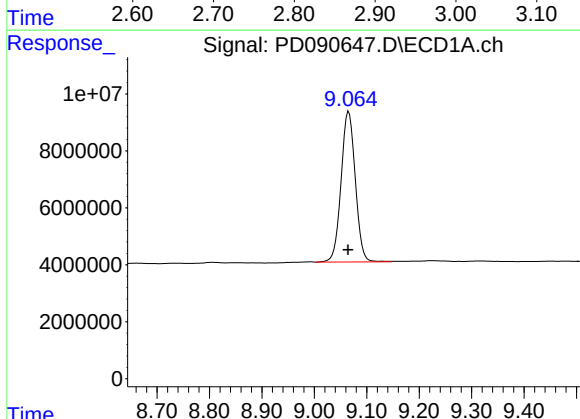
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 60526543
Conc: 19.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



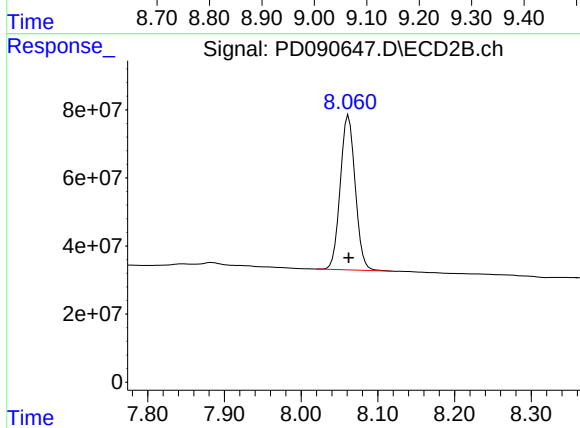
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 594475365
Conc: 19.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 99514776
Conc: 21.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 616188932
Conc: 20.34 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/24/25
Project:	RFP 905		Date Received:	10/24/25
Client Sample ID:	PIBLK-PD090808.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PD090808.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/24/25	pd102425
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/24/25	pd102425
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/24/25	pd102425
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/24/25	pd102425
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/24/25	pd102425
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/24/25	pd102425
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/24/25	pd102425
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/24/25	pd102425
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/24/25	pd102425
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.1			57 - 171	120%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

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\PD102425\
 Data File : PD090808.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 09:57
 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: Oct 24 23:34:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.544	2.873	64667152	629.3E6	20.765	21.134
28)	SA Decachlor...	9.064	8.059	102.8E6	729.0E6	21.976	24.065

Target Compounds

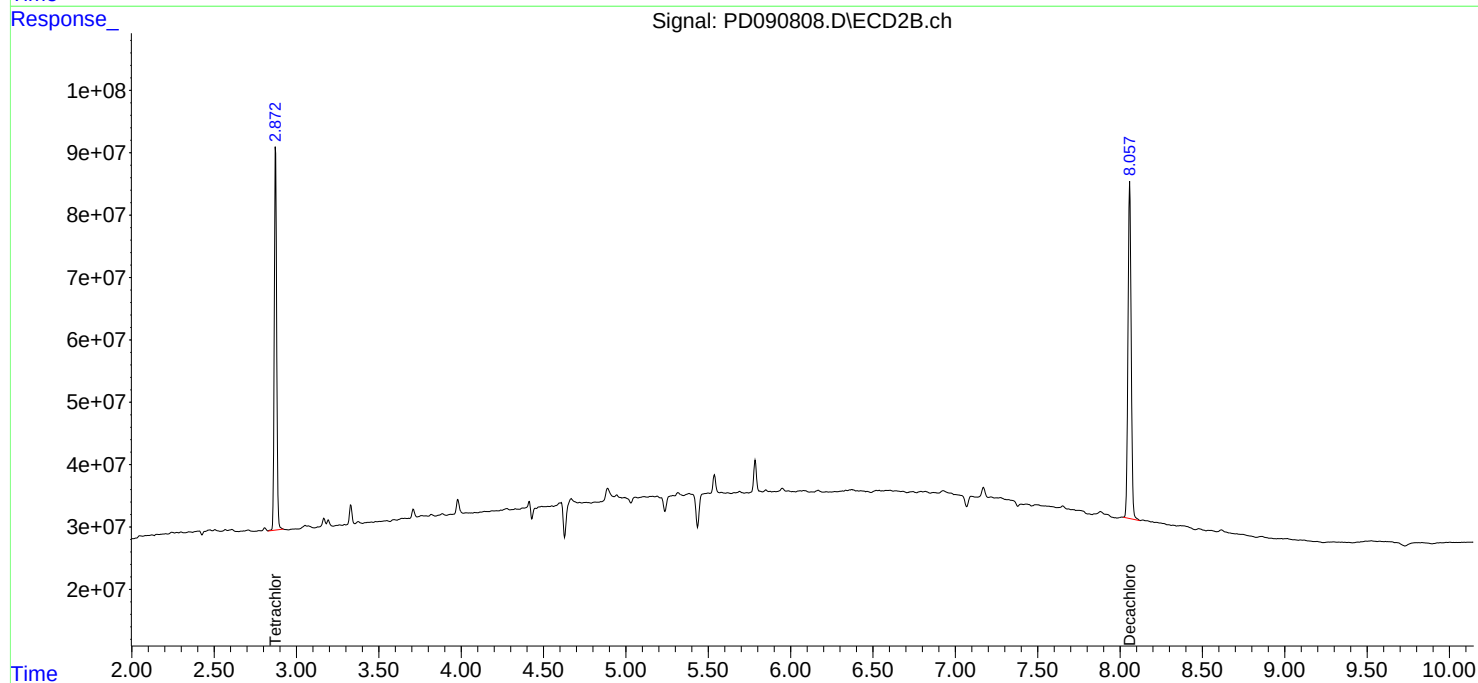
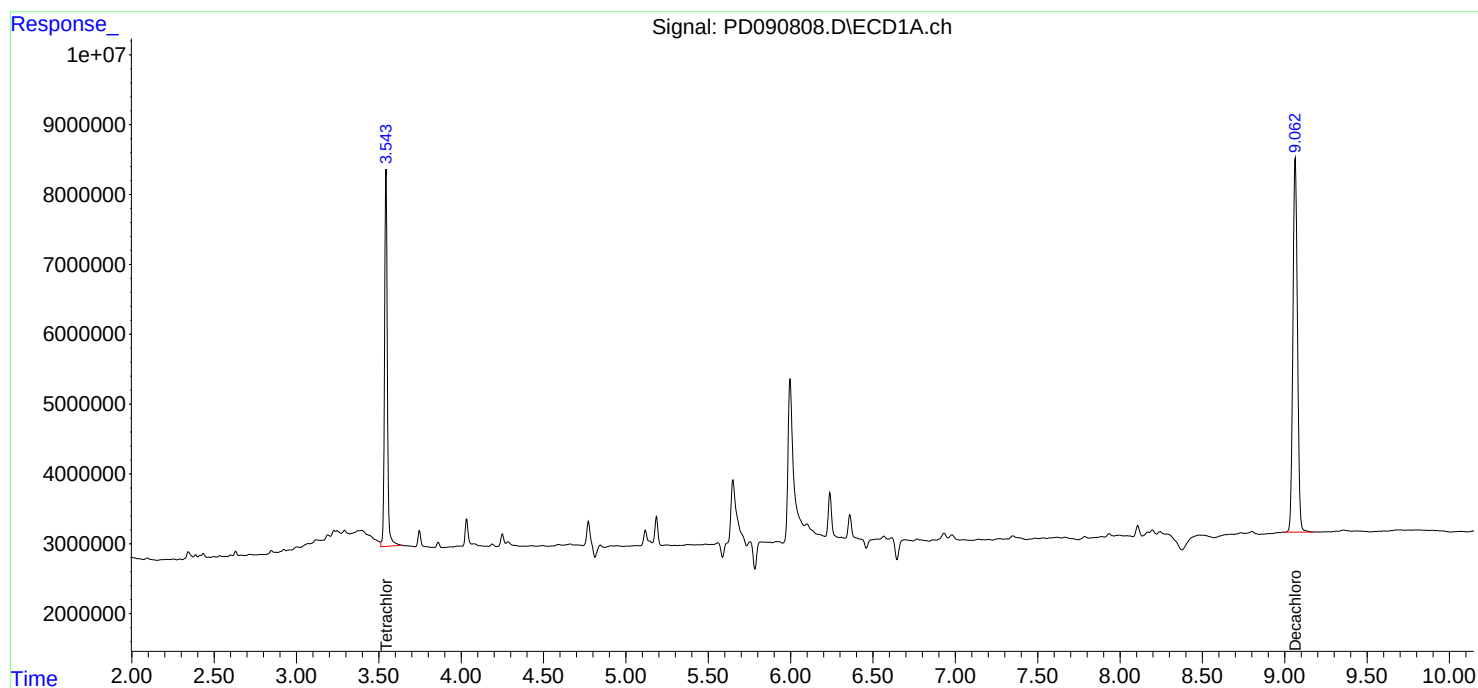
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

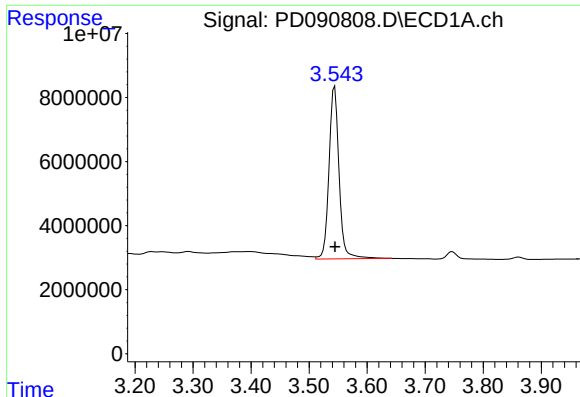
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 09:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

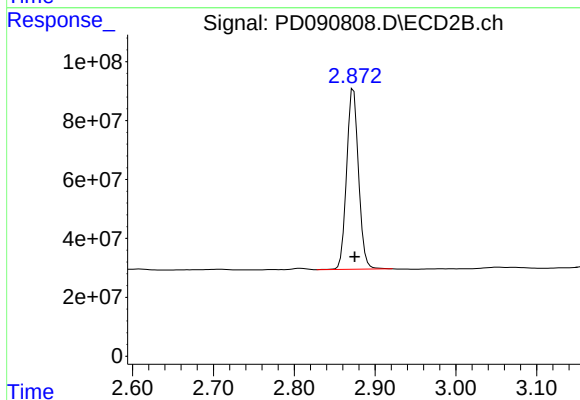




#1 Tetrachloro-m-xylene

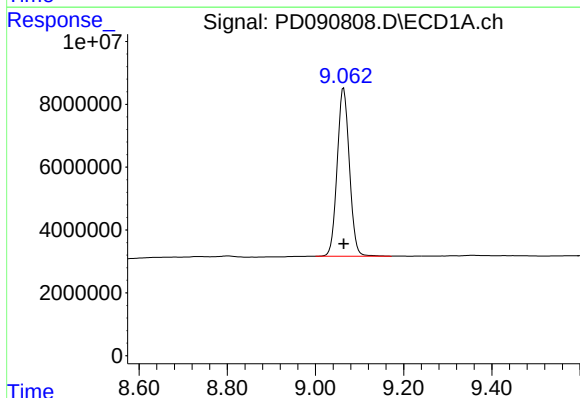
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 64667152
Conc: 20.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



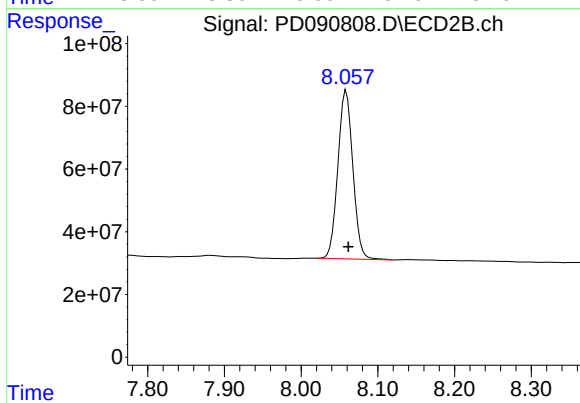
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 629321680
Conc: 21.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 102804895
Conc: 21.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 728970168
Conc: 24.07 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/24/25
Project:	RFP 905		Date Received:	10/24/25
Client Sample ID:	PIBLK-PD090823.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PD090823.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/24/25	pd102425
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/24/25	pd102425
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/24/25	pd102425
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/24/25	pd102425
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/24/25	pd102425
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/24/25	pd102425
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/24/25	pd102425
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/24/25	pd102425
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/24/25	pd102425
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.3			57 - 171	87%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.6			61 - 148	98%	SPK: 20		

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\PD102425\
Data File : PD090823.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 15:10
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: Oct 24 23:38:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 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...	3.544	2.874	58080865	585.2E6	18.651	19.653
28)	SA Decachlor...	9.063	8.060	81113564	371.3E6	17.340	12.257 #

Target Compounds

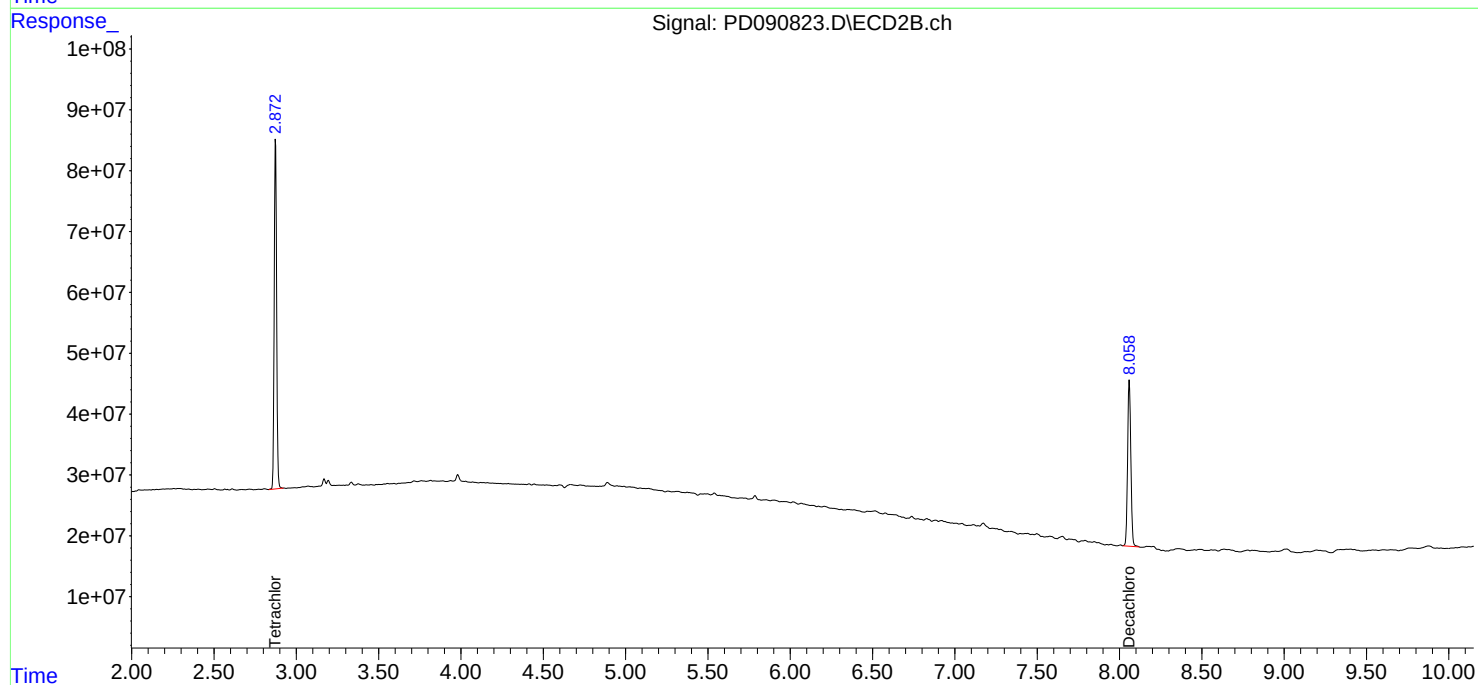
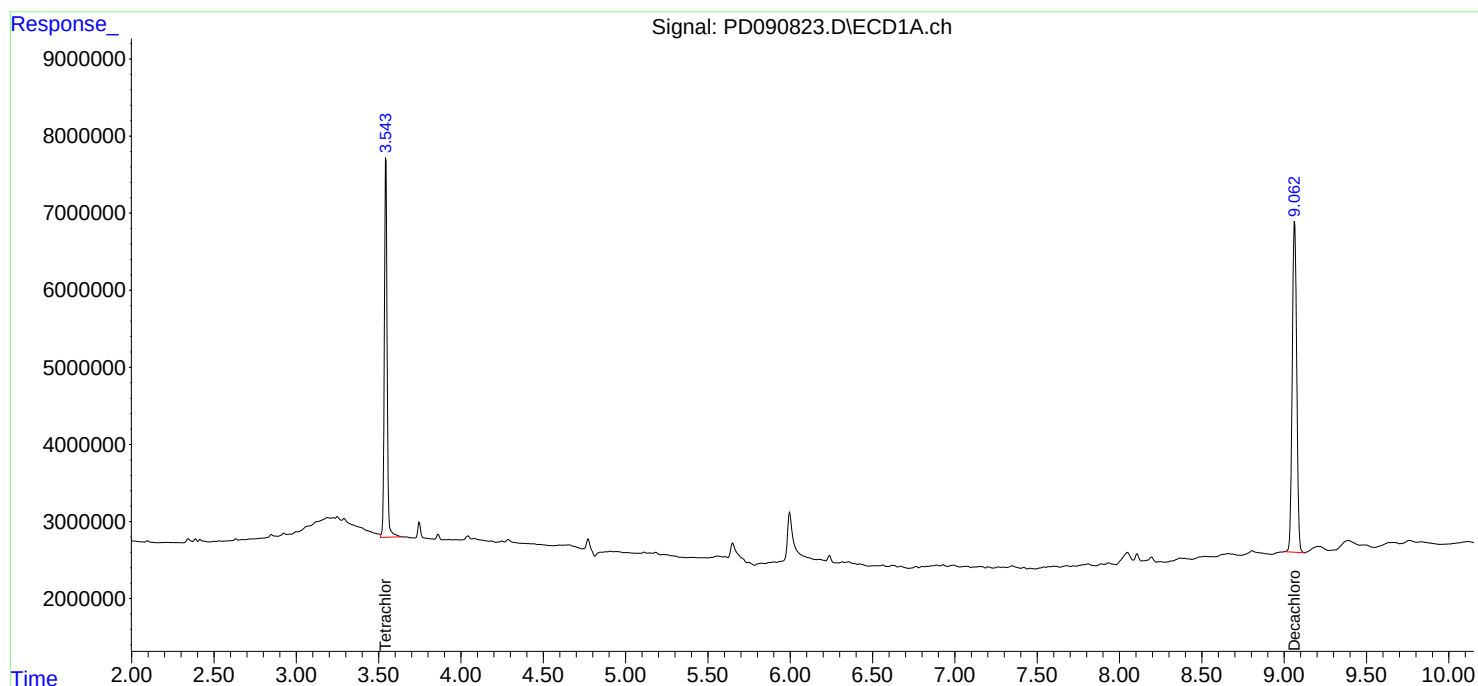
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

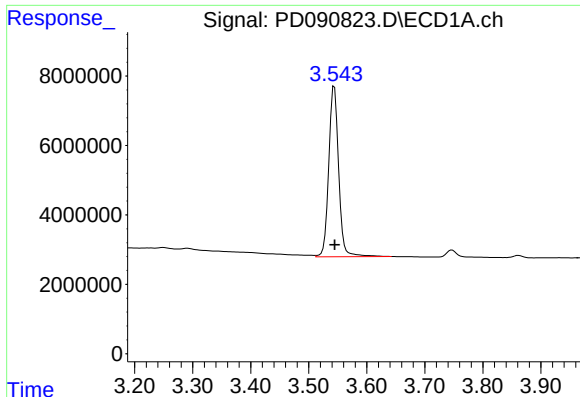
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090823.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 15:10
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:38:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

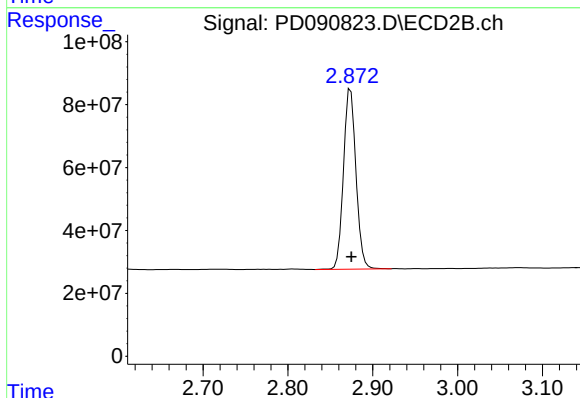




#1 Tetrachloro-m-xylene

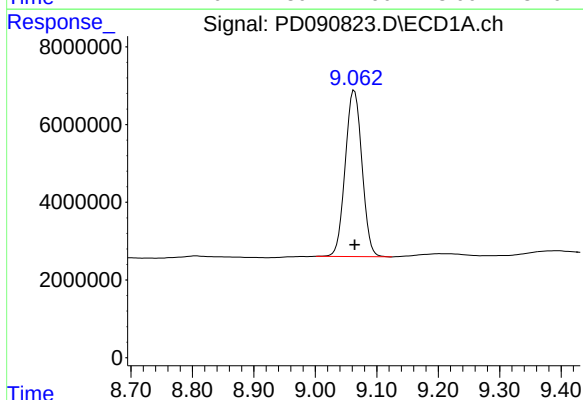
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 58080865
Conc: 18.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



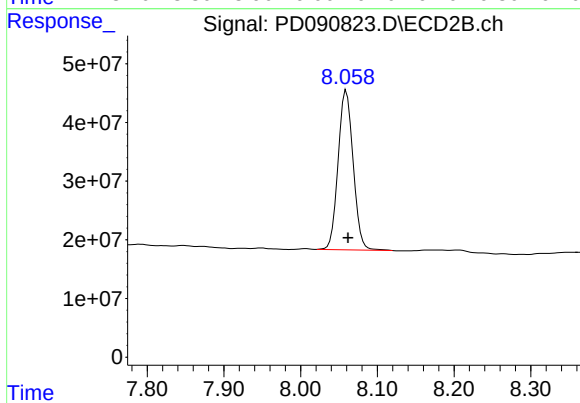
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 585216345
Conc: 19.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.000 min
Response: 81113564
Conc: 17.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 371270679
Conc: 12.26 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/24/25
Project:	RFP 905		Date Received:	10/24/25
Client Sample ID:	PIBLK-PD090827.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PD090827.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/24/25	pd102425
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/24/25	pd102425
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/24/25	pd102425
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/24/25	pd102425
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/24/25	pd102425
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/24/25	pd102425
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/24/25	pd102425
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/24/25	pd102425
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/24/25	pd102425
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/24/25	pd102425
SURROGATES									
2051-24-3	Decachlorobiphenyl	14.9			57 - 171	74%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			61 - 148	100%	SPK: 20		

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\PD102425\
Data File : PD090827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 16:51
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: Oct 24 23:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 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...	3.543	2.874	59874370	594.7E6	19.226	19.971
28)	SA Decachlor...	9.064	8.059	69503101	316.6E6	14.858	10.452 #

Target Compounds

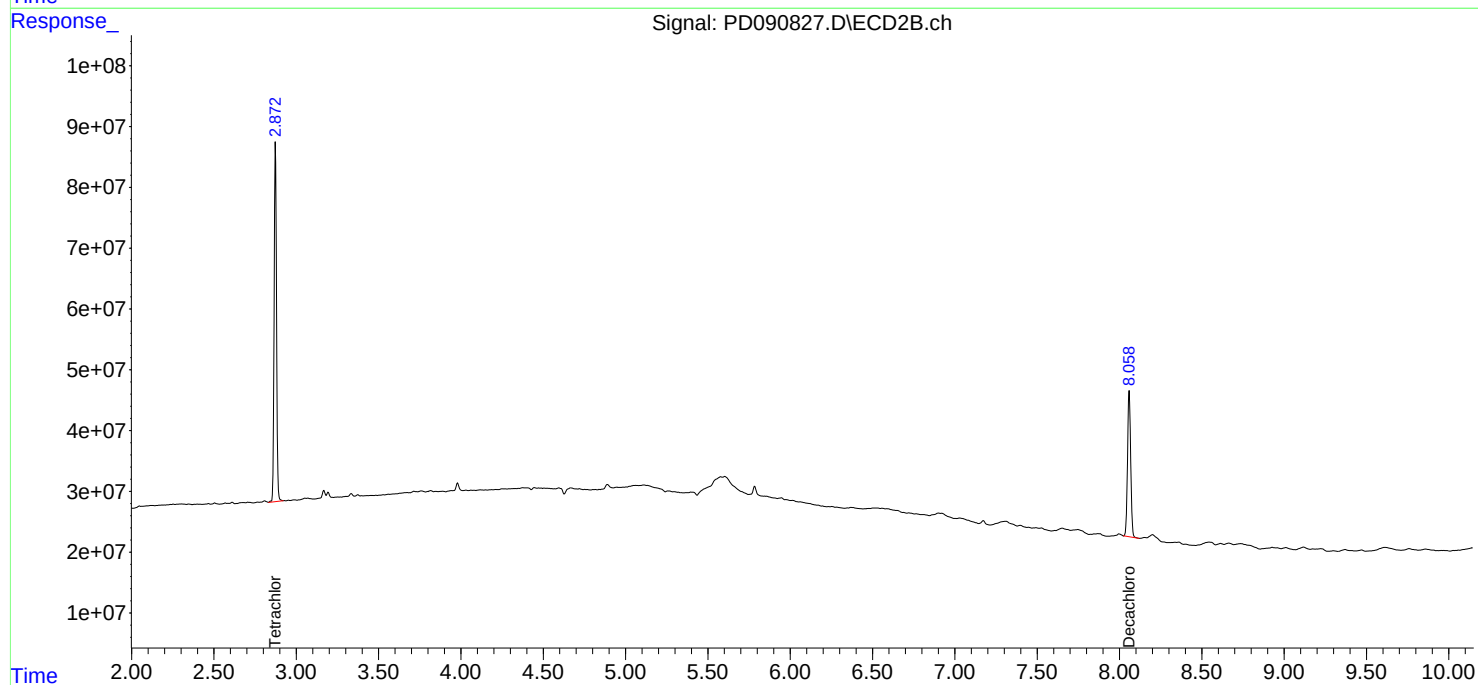
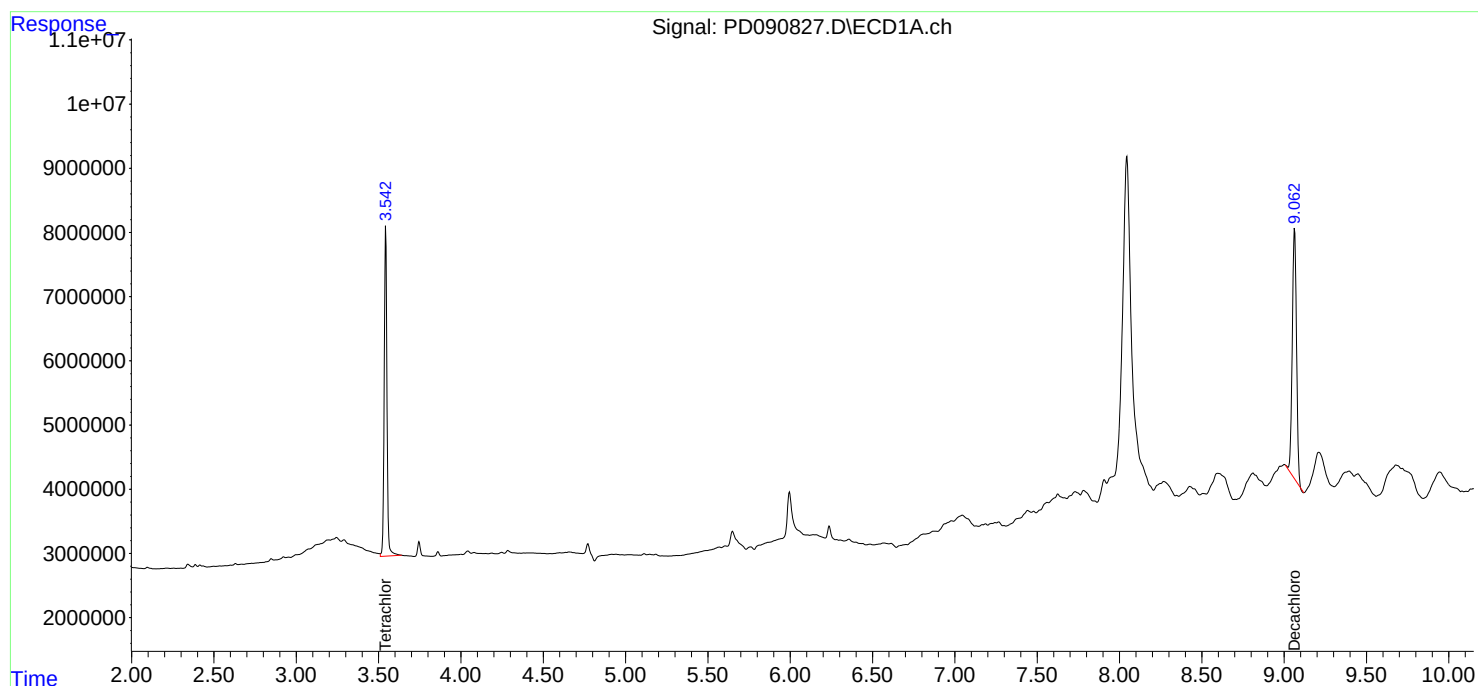
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 16:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

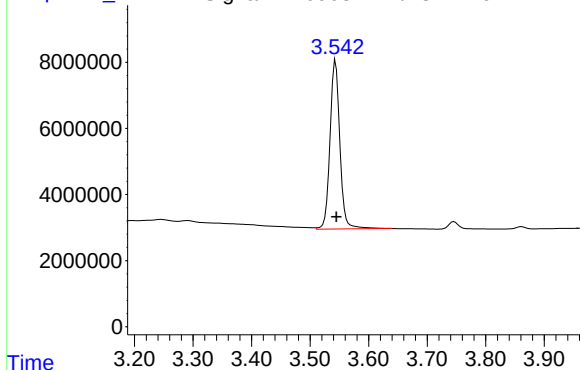
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090827.D\ECD1A.ch

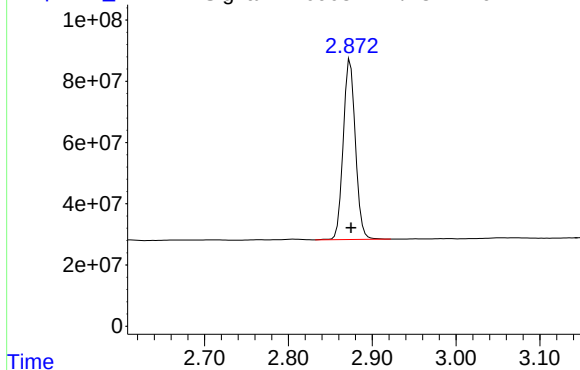


#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 59874370
Conc: 19.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

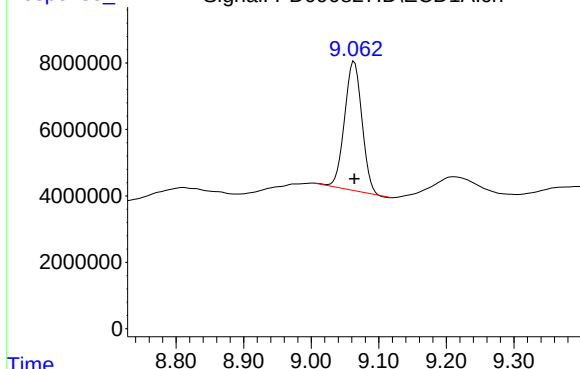
Response_ Signal: PD090827.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 594671515
Conc: 19.97 ng/ml

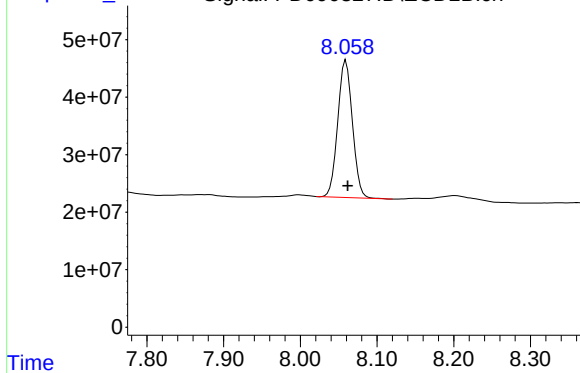
Response_ Signal: PD090827.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 69503101
Conc: 14.86 ng/ml

Response_ Signal: PD090827.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.002 min
Response: 316595355
Conc: 10.45 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/27/25
Project:	RFP 905		Date Received:	10/27/25
Client Sample ID:	PIBLK-PD090830.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PD090830.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	10/27/25	pd102725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/27/25	pd102725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/27/25	pd102725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/27/25	pd102725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/27/25	pd102725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/27/25	pd102725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/27/25	pd102725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/27/25	pd102725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/27/25	pd102725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/27/25	pd102725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/27/25	pd102725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/27/25	pd102725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/27/25	pd102725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/27/25	pd102725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/27/25	pd102725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/27/25	pd102725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/27/25	pd102725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/27/25	pd102725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/27/25	pd102725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/27/25	pd102725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/27/25	pd102725
SURROGATES									
2051-24-3	Decachlorobiphenyl	19.6			57 - 171	98%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.9			61 - 148	104%	SPK: 20		

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\PD102725\
Data File : PD090830.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 09:19
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: Oct 28 01:06:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 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...	3.543	2.872	63765514	621.2E6	20.476	20.861
28)	SA Decachlor...	9.062	8.057	91423256	593.9E6	19.543	19.606

Target Compounds

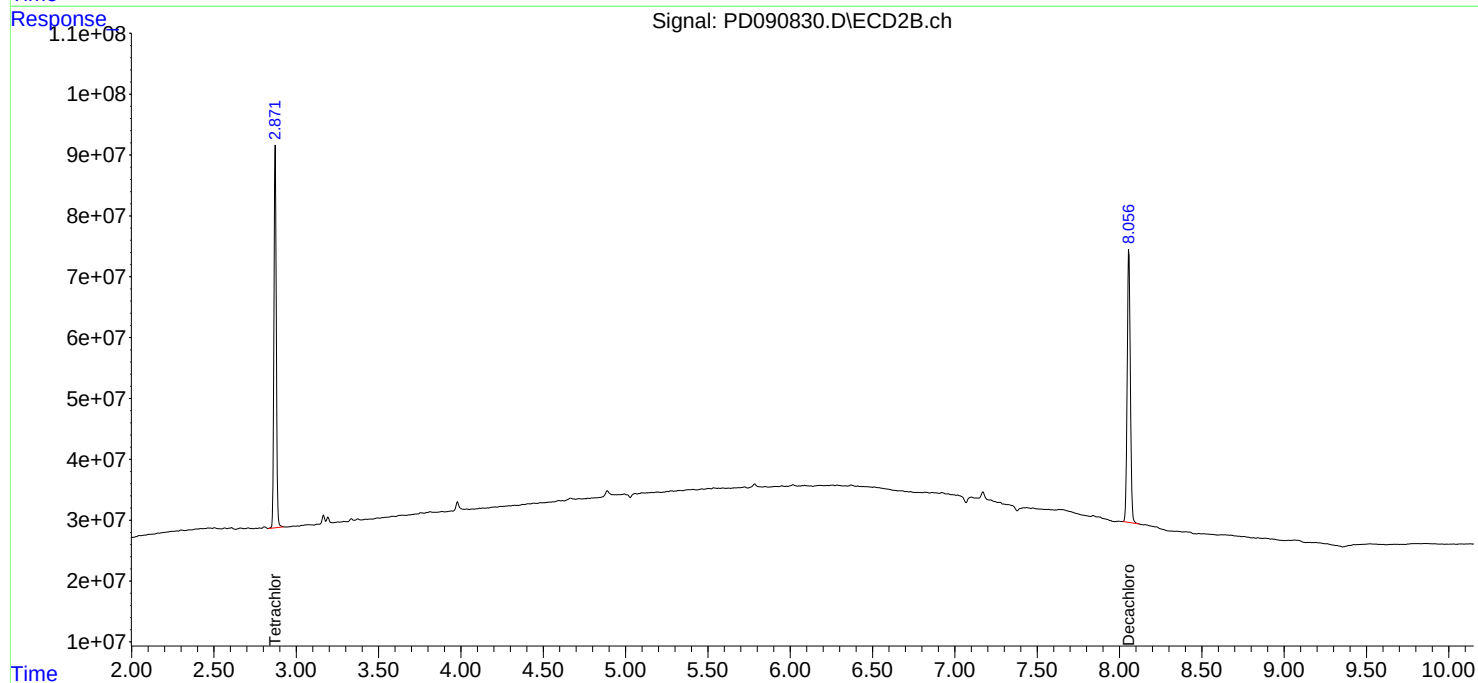
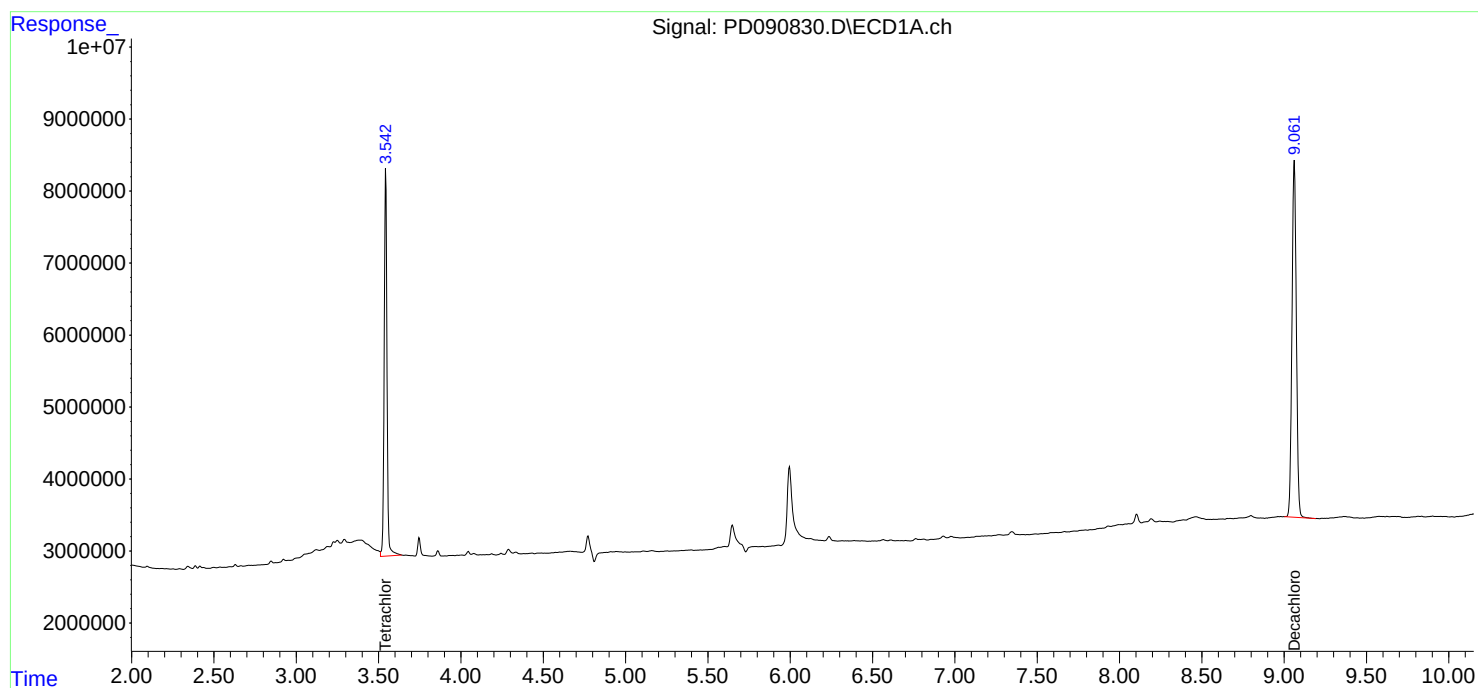
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

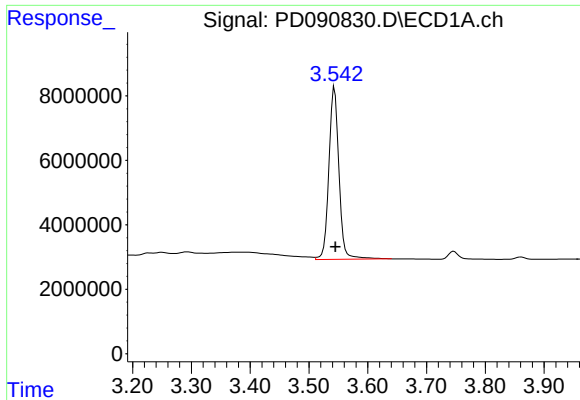
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090830.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 09:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:06:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

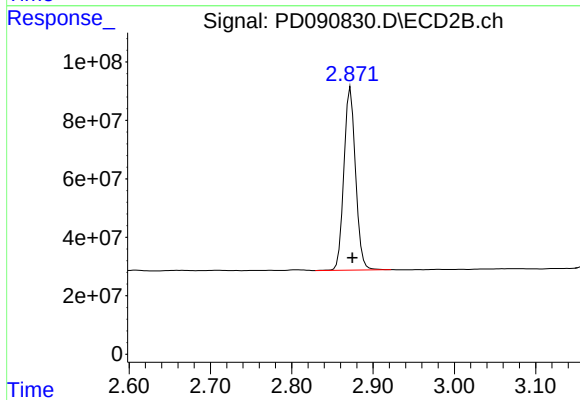




#1 Tetrachloro-m-xylene

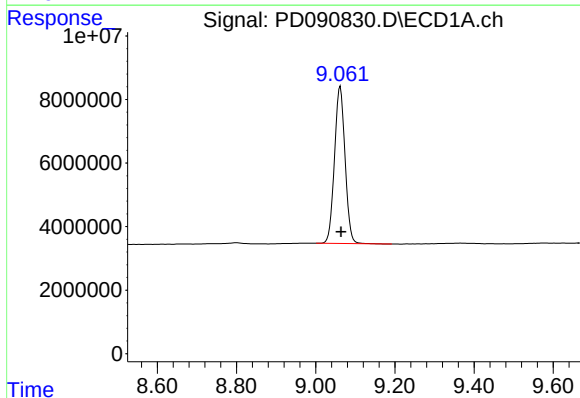
R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 63765514
Conc: 20.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



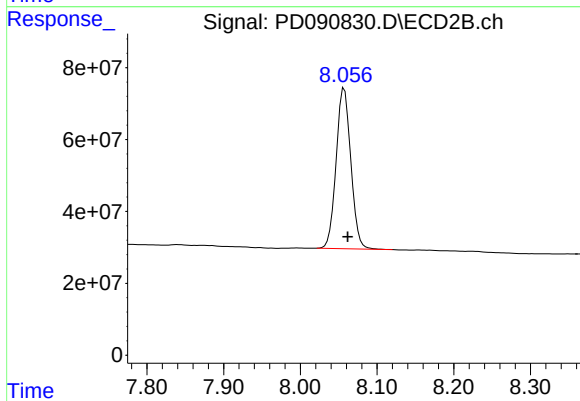
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 621166195
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.002 min
Response: 91423256
Conc: 19.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.005 min
Response: 593907142
Conc: 19.61 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/27/25
Project:	RFP 905		Date Received:	10/27/25
Client Sample ID:	PIBLK-PD090844.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PD090844.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	10/27/25	pd102725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/27/25	pd102725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/27/25	pd102725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/27/25	pd102725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/27/25	pd102725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/27/25	pd102725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/27/25	pd102725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/27/25	pd102725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/27/25	pd102725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/27/25	pd102725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/27/25	pd102725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/27/25	pd102725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/27/25	pd102725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/27/25	pd102725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/27/25	pd102725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/27/25	pd102725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/27/25	pd102725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/27/25	pd102725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/27/25	pd102725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/27/25	pd102725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/27/25	pd102725
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.2			57 - 171	91%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.5			61 - 148	102%	SPK: 20		

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\PD102725\
Data File : PD090844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 15:48
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: Oct 28 01:09:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 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...	3.544	2.874	63818277	592.4E6	20.493	19.896
28)	SA Decachlor...	9.062	8.059	85172390	484.3E6	18.207	15.988

Target Compounds

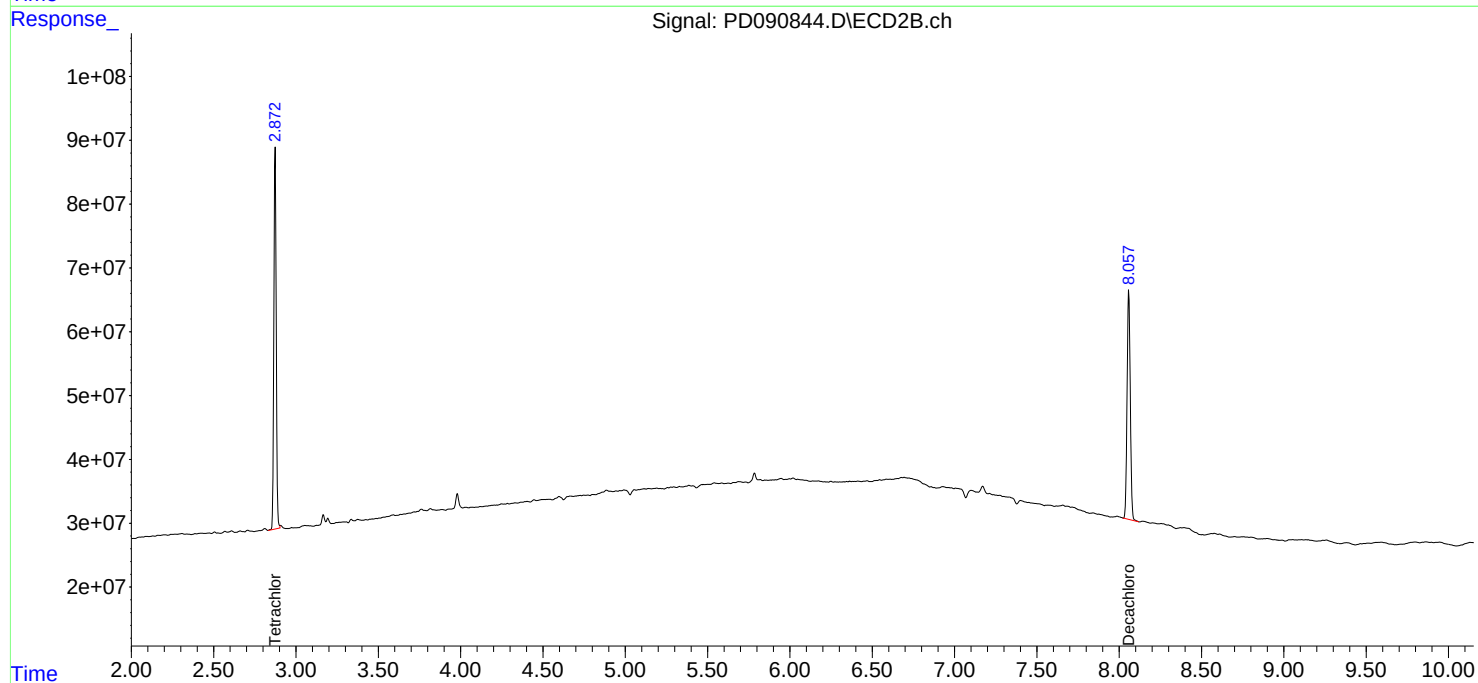
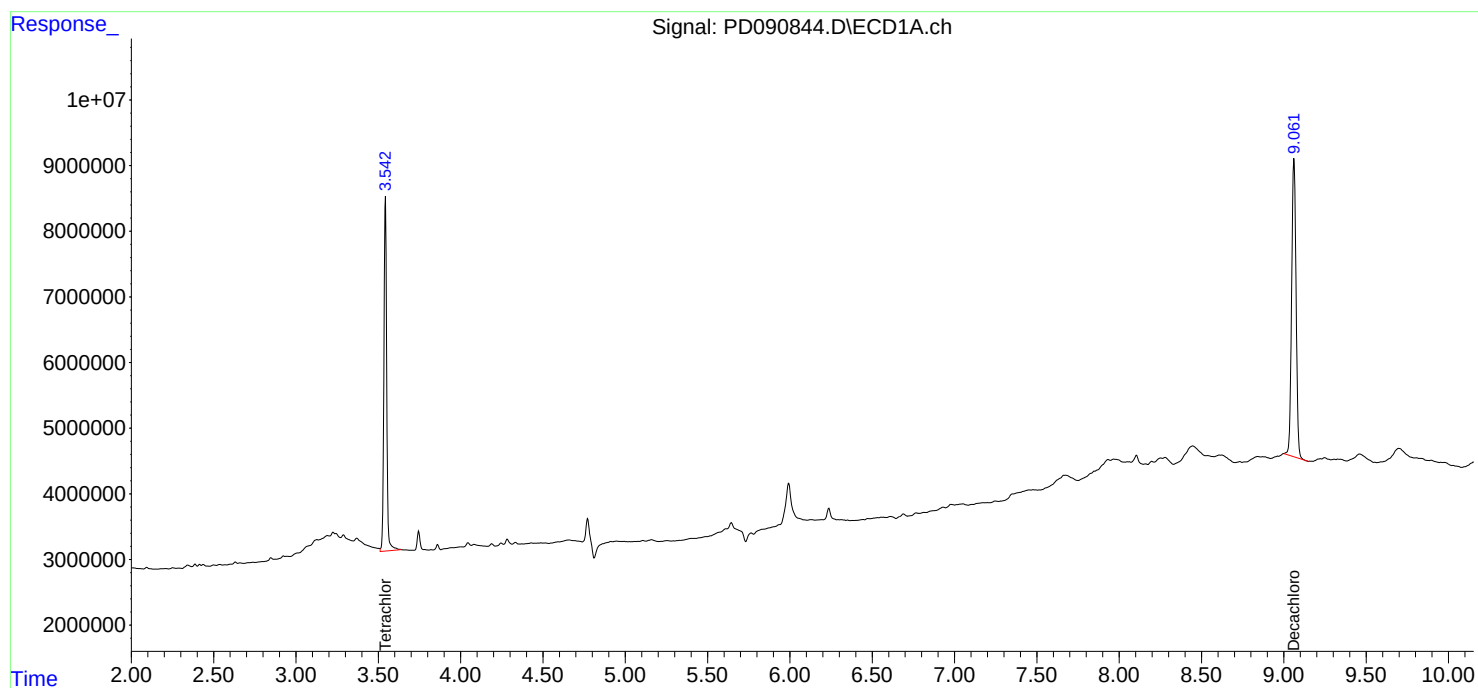
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

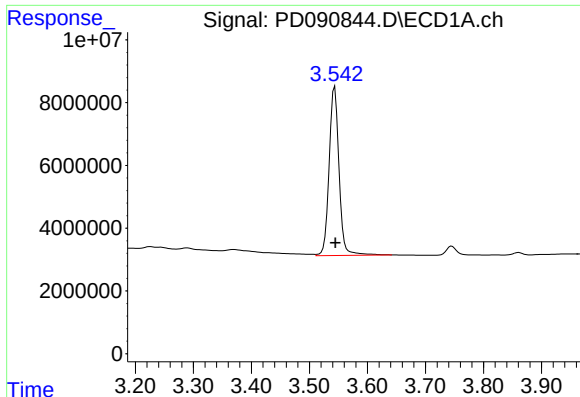
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 15:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:09:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

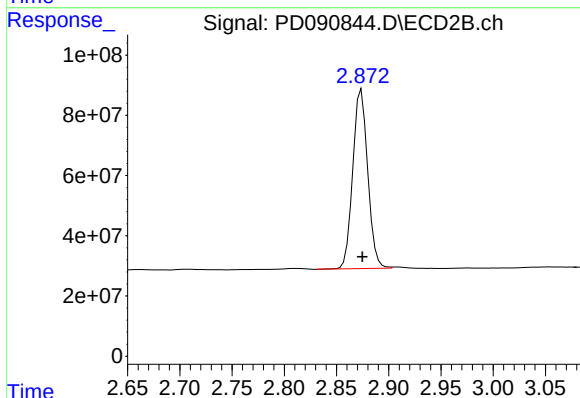




#1 Tetrachloro-m-xylene

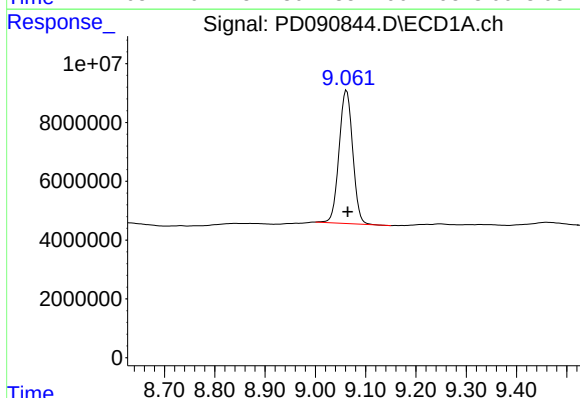
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 63818277
Conc: 20.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



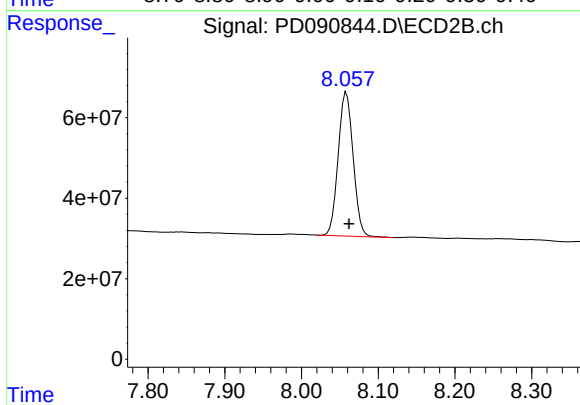
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 592445916
Conc: 19.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.002 min
Response: 85172390
Conc: 18.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 484309421
Conc: 15.99 ng/ml



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 905		Date Received:	
Client Sample ID:	PB170235BS		SDG No.:	Q3447
Lab Sample ID:	PB170235BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.7		1	0.13	1.70	ug/kg	10/24/25 11:43	PB170235
319-85-7	beta-BHC	15.3		1	0.18	1.70	ug/kg	10/24/25 11:43	PB170235
319-86-8	delta-BHC	15.8		1	0.39	1.70	ug/kg	10/24/25 11:43	PB170235
58-89-9	gamma-BHC (Lindane)	15.5		1	0.14	1.70	ug/kg	10/24/25 11:43	PB170235
76-44-8	Heptachlor	18.2		1	0.12	1.70	ug/kg	10/24/25 11:43	PB170235
309-00-2	Aldrin	15.7		1	0.12	1.70	ug/kg	10/24/25 11:43	PB170235
1024-57-3	Heptachlor epoxide	15.9		1	0.19	1.70	ug/kg	10/24/25 11:43	PB170235
959-98-8	Endosulfan I	15.8		1	0.14	1.70	ug/kg	10/24/25 11:43	PB170235
60-57-1	Dieldrin	16.0		1	0.14	1.70	ug/kg	10/24/25 11:43	PB170235
72-55-9	4,4-DDE	15.8		1	0.14	1.70	ug/kg	10/24/25 11:43	PB170235
72-20-8	Endrin	15.5		1	0.14	1.70	ug/kg	10/24/25 11:43	PB170235
33213-65-9	Endosulfan II	16.2		1	0.29	1.70	ug/kg	10/24/25 11:43	PB170235
72-54-8	4,4-DDD	17.1		1	0.15	1.70	ug/kg	10/24/25 11:43	PB170235
1031-07-8	Endosulfan Sulfate	16.1		1	0.13	1.70	ug/kg	10/24/25 11:43	PB170235
50-29-3	4,4-DDT	15.8		1	0.14	1.70	ug/kg	10/24/25 11:43	PB170235
72-43-5	Methoxychlor	15.8		1	0.37	1.70	ug/kg	10/24/25 11:43	PB170235
53494-70-5	Endrin ketone	17.0		1	0.19	1.70	ug/kg	10/24/25 11:43	PB170235
7421-93-4	Endrin aldehyde	16.5		1	0.37	1.70	ug/kg	10/24/25 11:43	PB170235
5103-71-9	alpha-Chlordane	15.5		1	0.12	1.70	ug/kg	10/24/25 11:43	PB170235
5103-74-2	gamma-Chlordane	15.7		1	0.15	1.70	ug/kg	10/24/25 11:43	PB170235
8001-35-2	Toxaphene	5.40	U	1	5.40	33.0	ug/kg	10/24/25 11:43	PB170235
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.7			20 - 144	123%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.8			19 - 148	89%	SPK: 20		

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\PD102425\
 Data File : PD090814.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 11:43
 Operator : AR\AJ
 Sample : PB170235BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170235BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:35:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.544	2.873	54985576	528.7E6	17.657	17.754
28)	SA Decachlor...	9.063	8.059	103.7E6	747.9E6	22.167	24.690
Target Compounds							
2)	A alpha-BHC	3.993	3.385	338.0E6	2336.4E6	47.101	45.725
3)	MA gamma-BHC...	4.324	3.721	316.2E6	2161.9E6	46.503	45.755
4)	MA Heptachlor	4.921	4.073	305.2E6	2083.8E6	54.607	46.719
5)	MB Aldrin	5.263	4.358	309.2E6	2134.4E6	47.226	46.080
6)	B beta-BHC	4.511	4.017	120.0E6	897.4E6	45.807	45.255
7)	B delta-BHC	4.759	4.253	320.6E6	2200.7E6	47.411	46.121
8)	B Heptachlo...	5.683	4.862	276.7E6	1952.7E6	47.804	45.795
9)	A Endosulfan I	6.067	5.236	262.3E6	1743.1E6	47.381	44.252
10)	B gamma-Chl...	5.938	5.115	278.8E6	2103.5E6	47.001	46.798
11)	B alpha-Chl...	6.019	5.179	284.5E6	2007.4E6	46.037	46.535
12)	B 4,4'-DDE	6.189	5.364	246.1E6	2083.6E6	46.194	47.530
13)	MA Dieldrin	6.339	5.501	280.6E6	2094.0E6	48.117	47.394
14)	MA Endrin	6.566	5.778	229.4E6	1889.7E6	46.310	46.667
15)	B Endosulfa...	6.780	6.070	243.8E6	1790.5E6	48.757	47.675
16)	A 4,4'-DDD	6.699	5.918	207.9E6	1775.9E6	51.285	48.737
17)	MA 4,4'-DDT	7.014	6.172	194.8E6	1655.1E6	47.403	47.189
18)	B Endrin al...	6.908	6.248	181.1E6	1360.8E6	49.437	49.138
19)	B Endosulfa...	7.143	6.471	219.8E6	1728.9E6	47.393	48.232
20)	A Methoxychlor	7.487	6.742	98446037	826.5E6	46.315	47.423
21)	B Endrin ke...	7.624	6.980	239.1E6	1923.1E6	49.206	50.987
22)	Mirex	8.106	7.173	162.3E6	1353.2E6	50.707	52.672

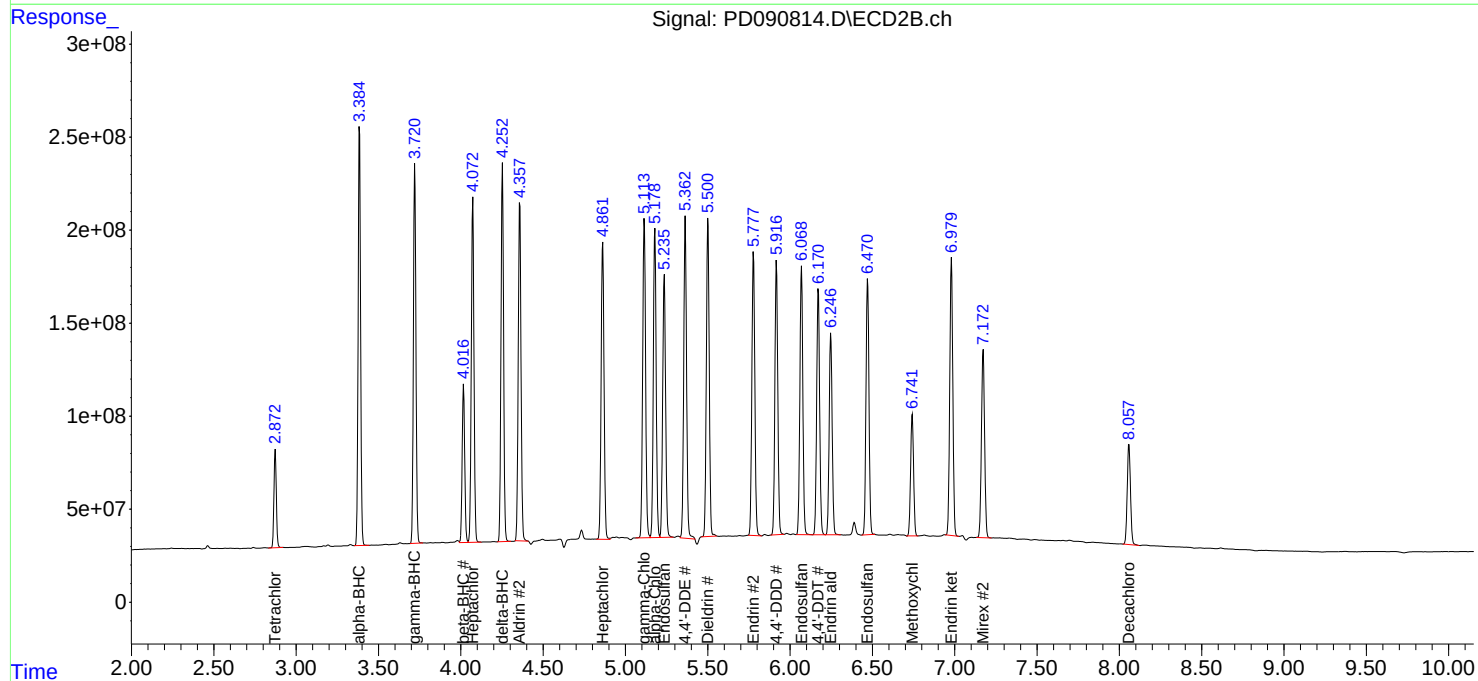
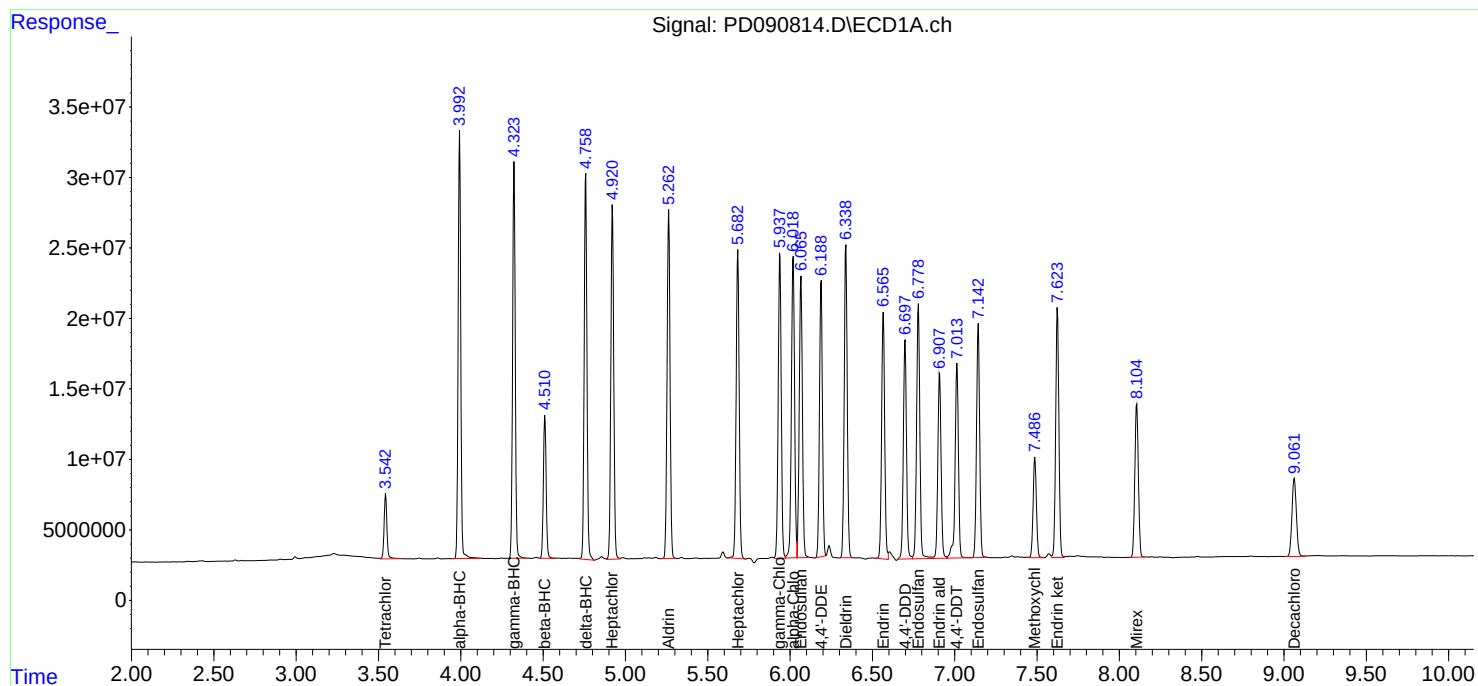
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

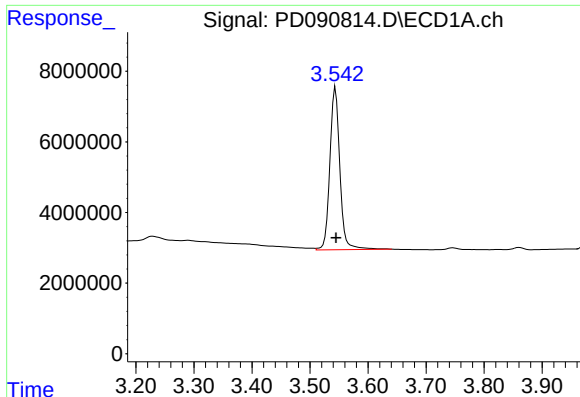
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090814.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 11:43
Operator : AR\AJ
Sample : PB170235BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170235BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

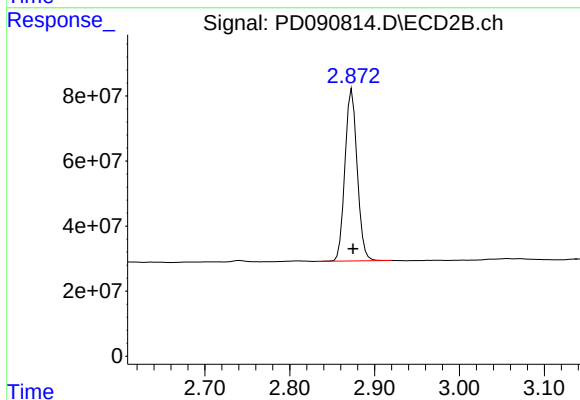




#1 Tetrachloro-m-xylene

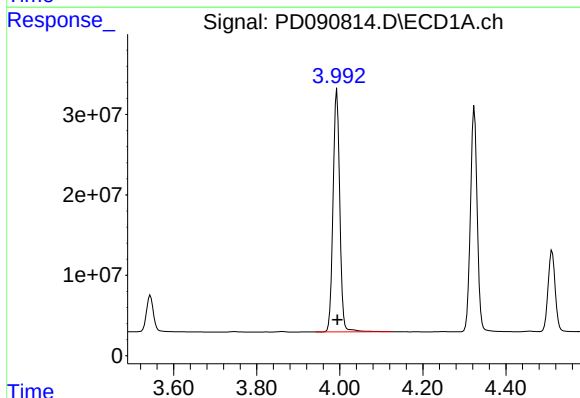
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 54985576
Conc: 17.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS



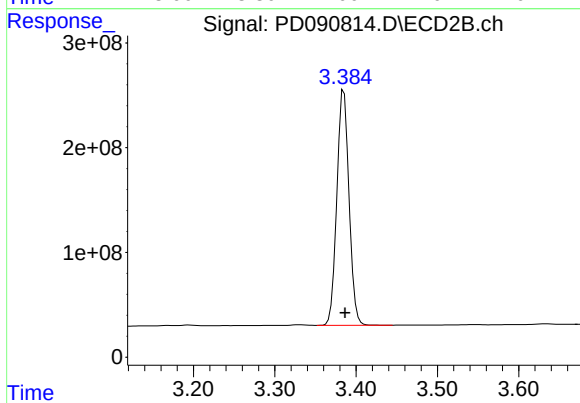
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 528675665
Conc: 17.75 ng/ml



#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 338048974
Conc: 47.10 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2336373249
Conc: 45.73 ng/ml

Response_ Signal: PD090814.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.001 min
Response: 316164652
Conc: 46.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS

Time

Response_ Signal: PD090814.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 2161893027
Conc: 45.76 ng/ml

Time

Response_ Signal: PD090814.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: -0.001 min
Response: 305227804
Conc: 54.61 ng/ml

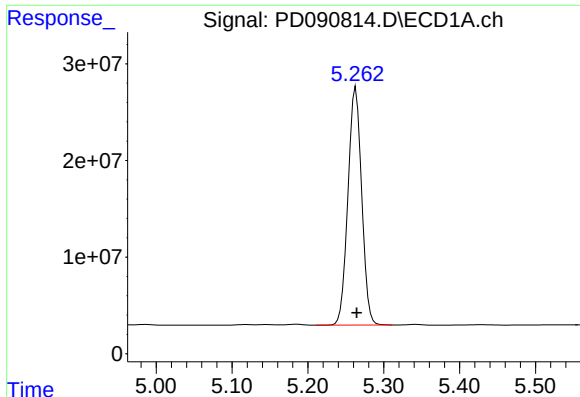
Time

Response_ Signal: PD090814.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2083822045
Conc: 46.72 ng/ml

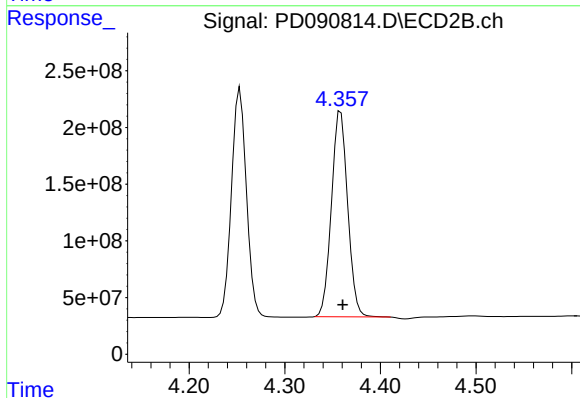
Time



#5 Aldrin

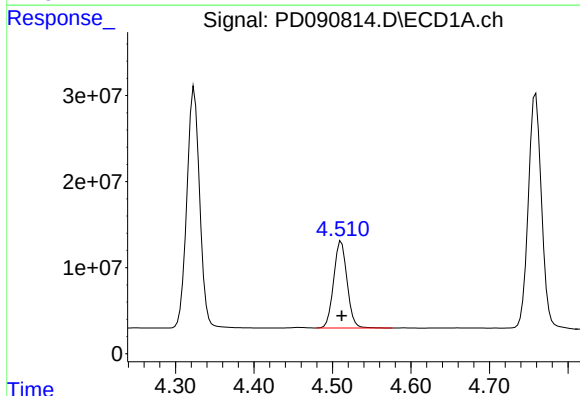
R.T.: 5.263 min
Delta R.T.: -0.001 min
Response: 309198720
Conc: 47.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS



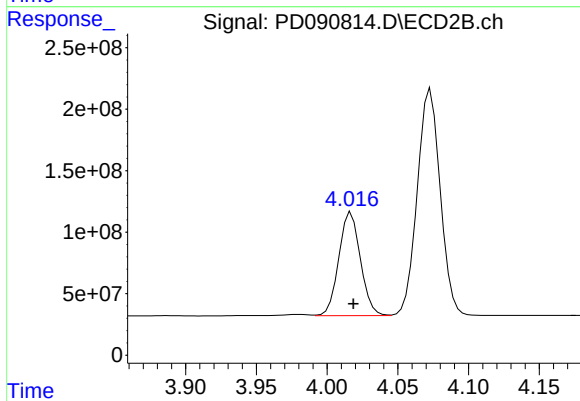
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: -0.002 min
Response: 2134374937
Conc: 46.08 ng/ml



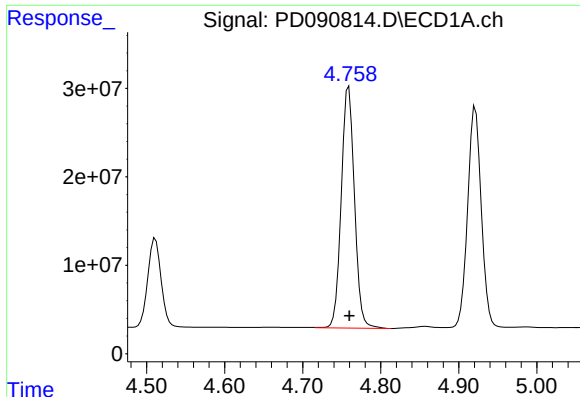
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 119996303
Conc: 45.81 ng/ml



#6 beta-BHC

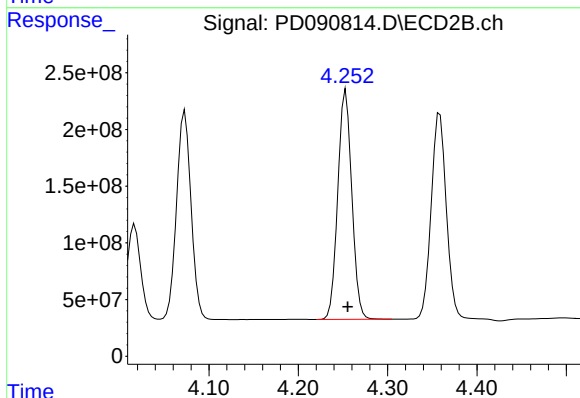
R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 897376600
Conc: 45.25 ng/ml



#7 delta-BHC

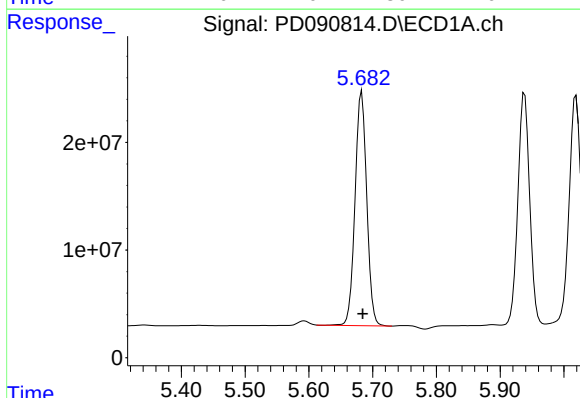
R.T.: 4.759 min
Delta R.T.: -0.001 min
Response: 320577207
Conc: 47.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS



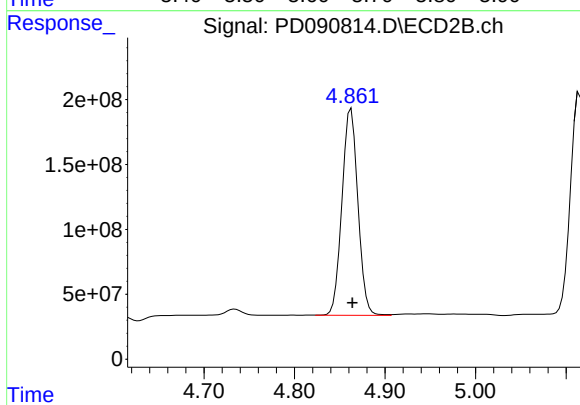
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2200747300
Conc: 46.12 ng/ml



#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.001 min
Response: 276742317
Conc: 47.80 ng/ml



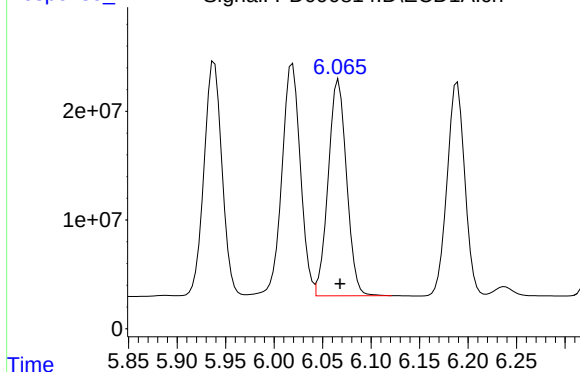
#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 1952670091
Conc: 45.80 ng/ml

Response_

Signal: PD090814.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.067 min
Delta R.T.: -0.001 min
Response: 262330987
Conc: 47.38 ng/ml

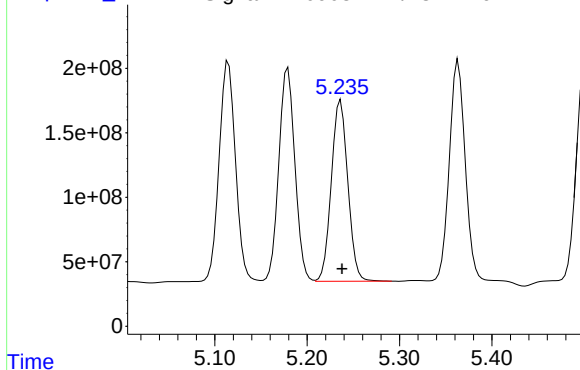
Instrument :
ECD_D
ClientSampleId :
PB170235BS

Time

Response_

Signal: PD090814.D\ECD2B.ch

#9 Endosulfan I



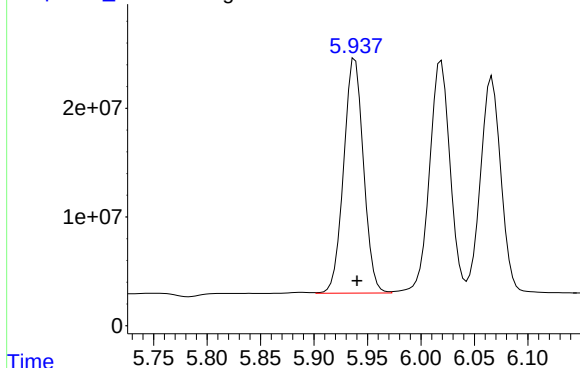
R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1743090808
Conc: 44.25 ng/ml

Time

Response_

Signal: PD090814.D\ECD1A.ch

#10 gamma-Chlordane



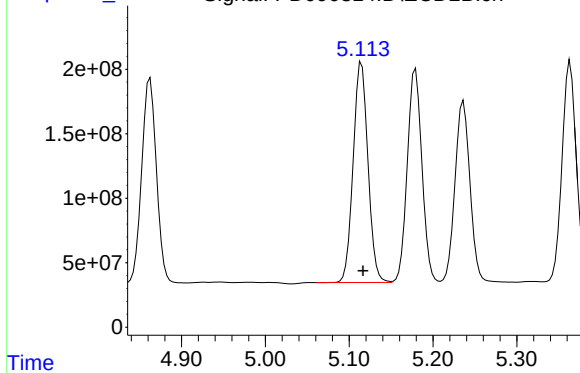
R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 278773435
Conc: 47.00 ng/ml

Time

Response_

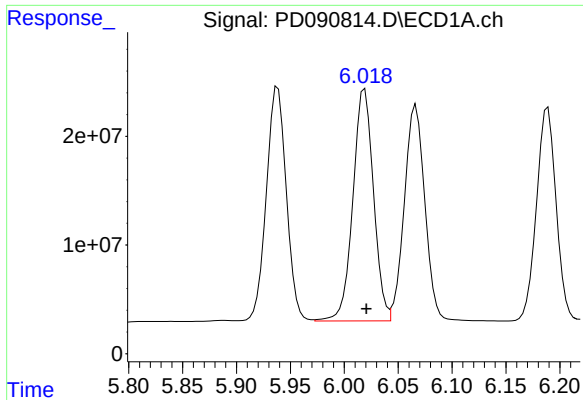
Signal: PD090814.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2103525139
Conc: 46.80 ng/ml

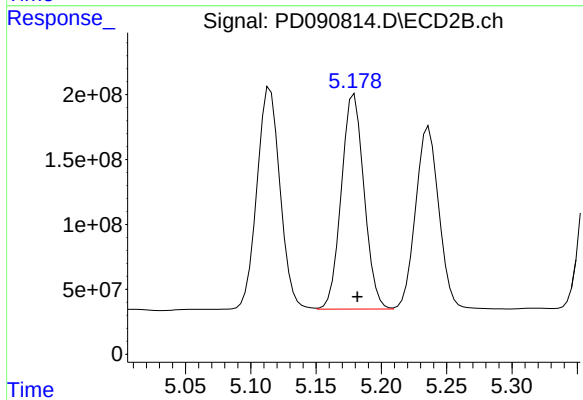
Time



#11 alpha-Chlordane

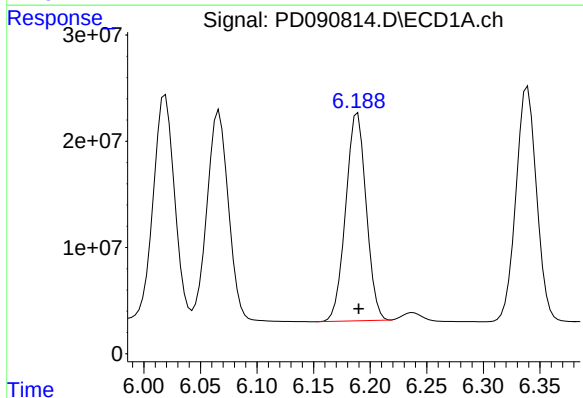
R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 284523129
Conc: 46.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS



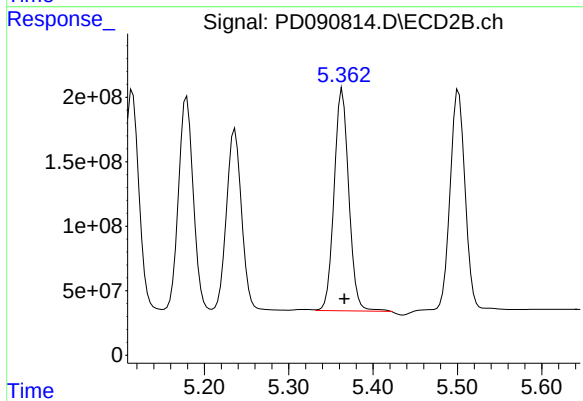
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 2007416873
Conc: 46.54 ng/ml



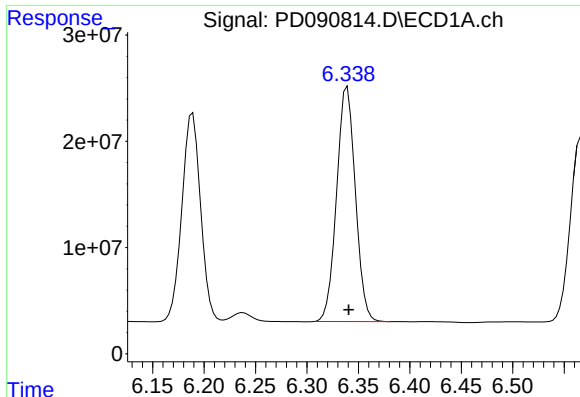
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.001 min
Response: 246055962
Conc: 46.19 ng/ml



#12 4,4'-DDE

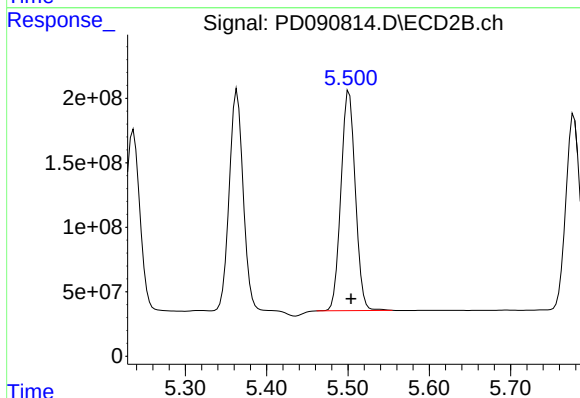
R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2083616064
Conc: 47.53 ng/ml



#13 Dieldrin

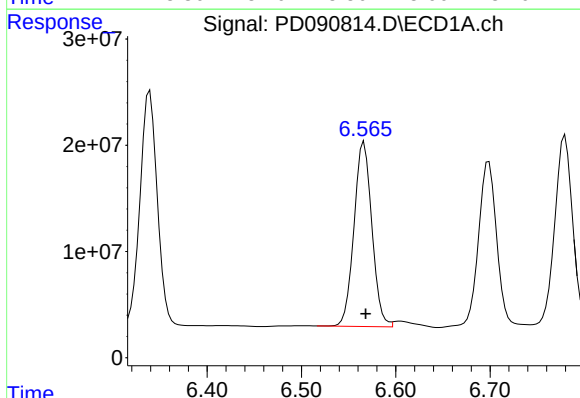
R.T.: 6.339 min
Delta R.T.: -0.001 min
Response: 280587520
Conc: 48.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS



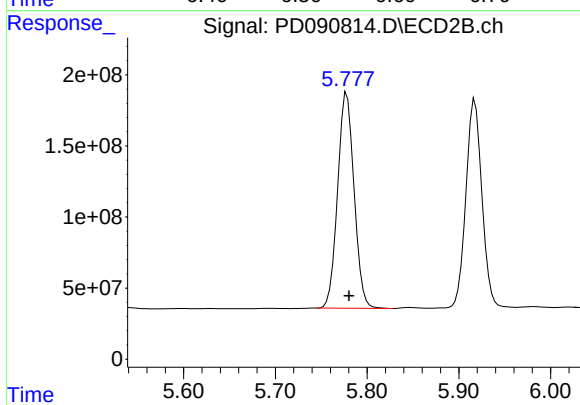
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: -0.002 min
Response: 2094044621
Conc: 47.39 ng/ml



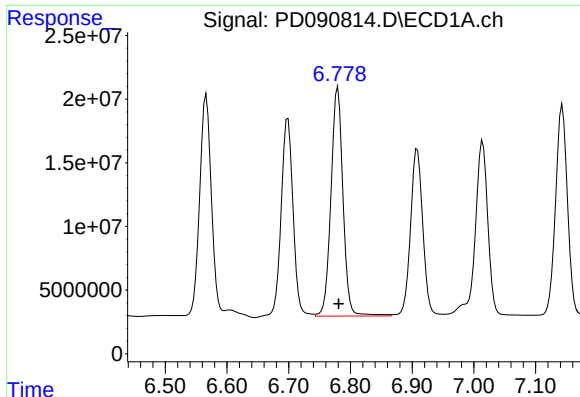
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.002 min
Response: 229407659
Conc: 46.31 ng/ml



#14 Endrin

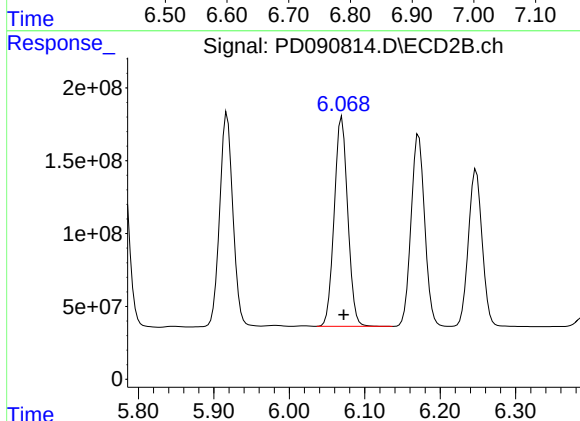
R.T.: 5.778 min
Delta R.T.: -0.003 min
Response: 1889712765
Conc: 46.67 ng/ml



#15 Endosulfan II

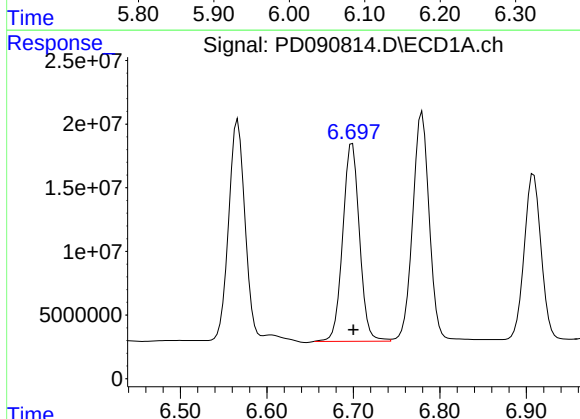
R.T.: 6.780 min
Delta R.T.: -0.001 min
Response: 243784881
Conc: 48.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS



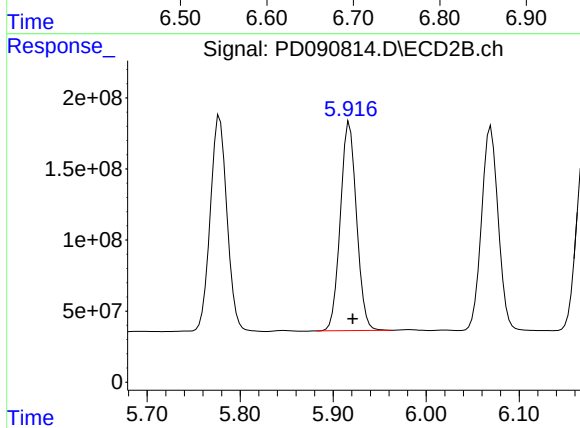
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1790453583
Conc: 47.67 ng/ml



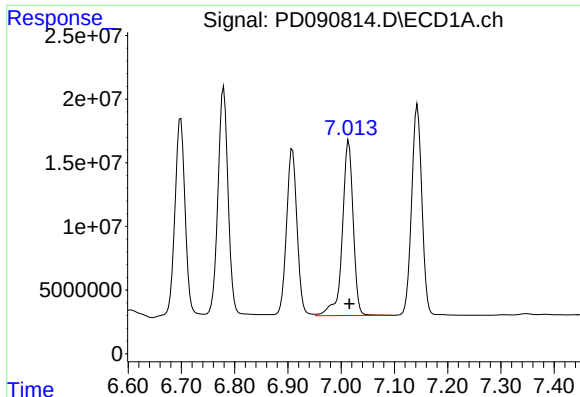
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 207918404
Conc: 51.28 ng/ml



#16 4,4'-DDD

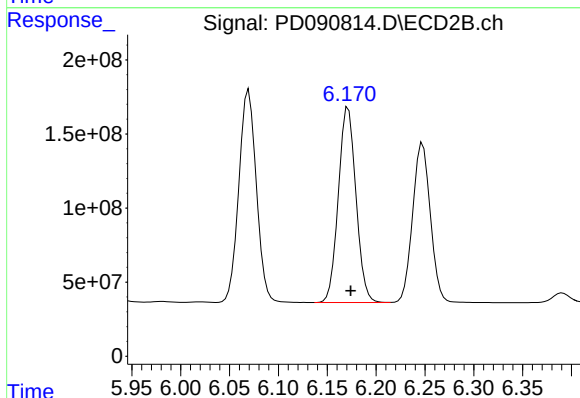
R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 1775891058
Conc: 48.74 ng/ml



#17 4,4'-DDT

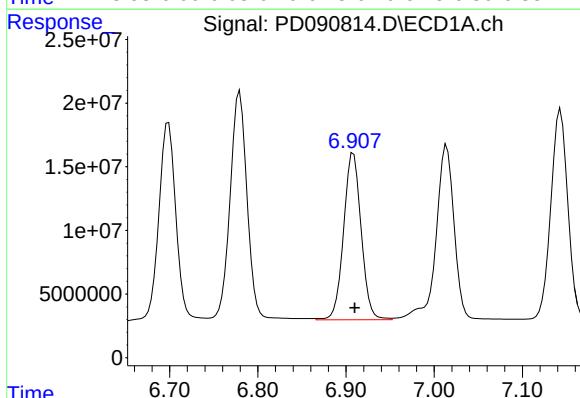
R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 194848482
Conc: 47.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS



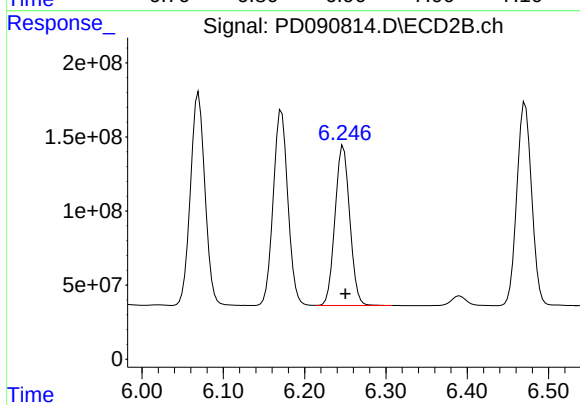
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1655063270
Conc: 47.19 ng/ml



#18 Endrin aldehyde

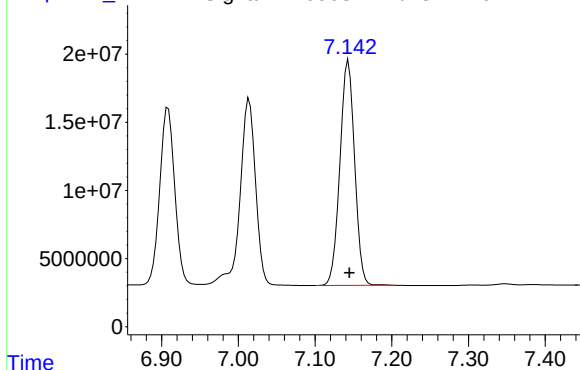
R.T.: 6.908 min
Delta R.T.: -0.001 min
Response: 181073062
Conc: 49.44 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 1360759033
Conc: 49.14 ng/ml

Response_ Signal: PD090814.D\ECD1A.ch

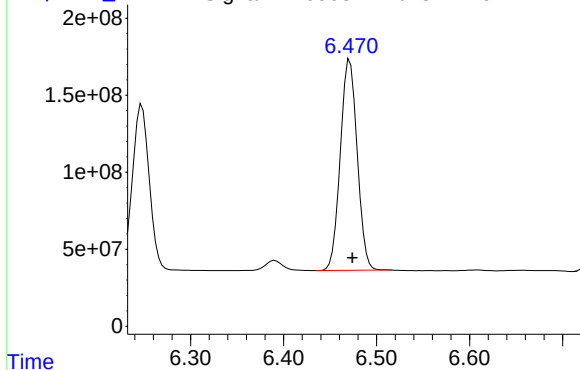


#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.001 min
Response: 219817848
Conc: 47.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS

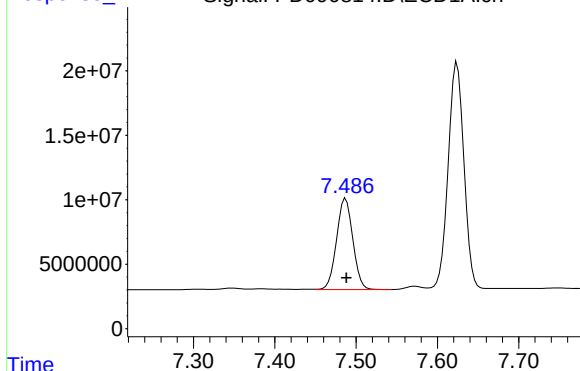
Response_ Signal: PD090814.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 1728860320
Conc: 48.23 ng/ml

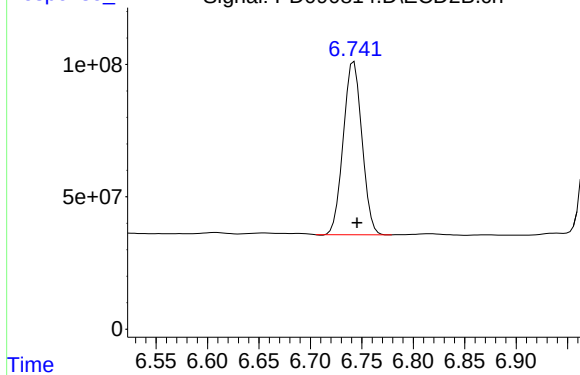
Response_ Signal: PD090814.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.001 min
Response: 98446037
Conc: 46.31 ng/ml

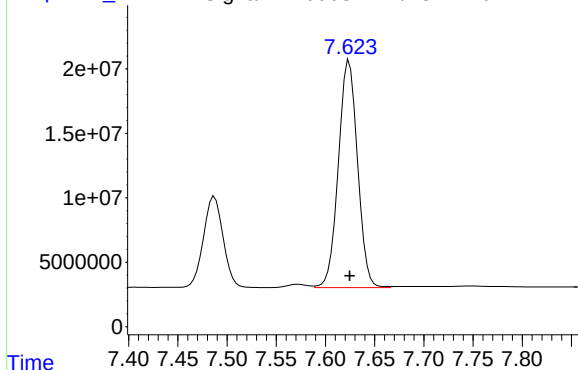
Response_ Signal: PD090814.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 826487893
Conc: 47.42 ng/ml

Response_ Signal: PD090814.D\ECD1A.ch

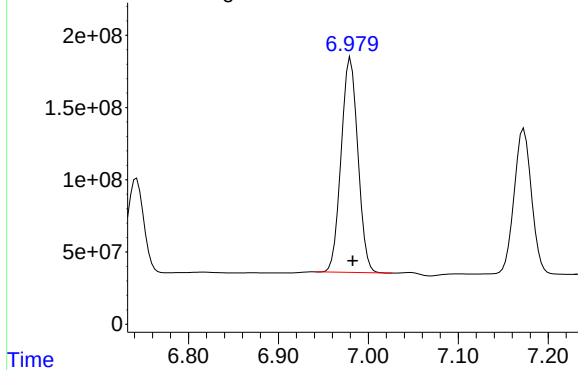


#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 239085159
Conc: 49.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS

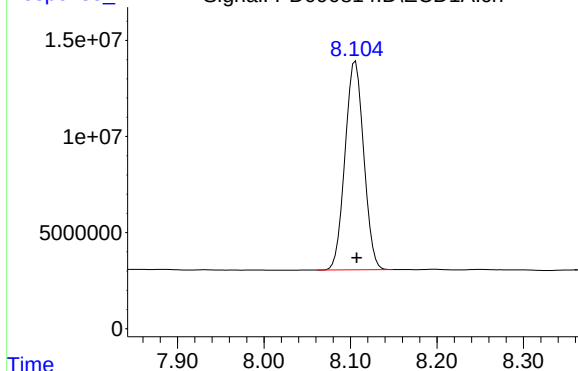
Response_ Signal: PD090814.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 1923098719
Conc: 50.99 ng/ml

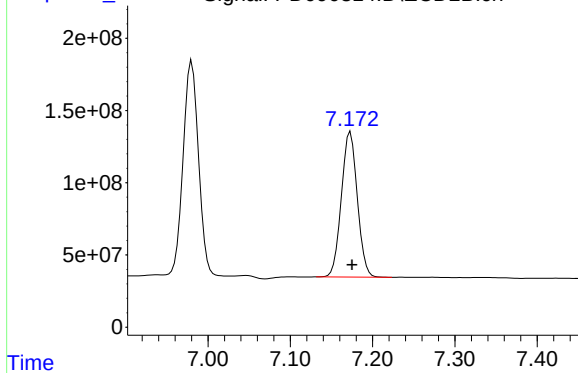
Response_ Signal: PD090814.D\ECD1A.ch



#22 Mirex

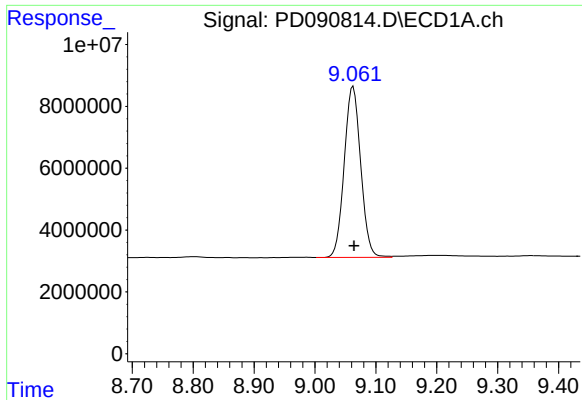
R.T.: 8.106 min
Delta R.T.: -0.002 min
Response: 162306889
Conc: 50.71 ng/ml

Response_ Signal: PD090814.D\ECD2B.ch



#22 Mirex

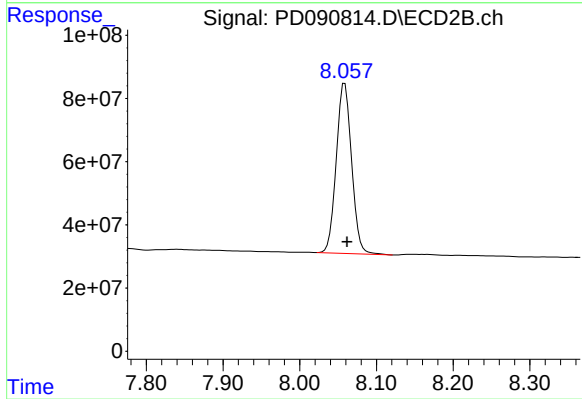
R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1353199768
Conc: 52.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.002 min
Response: 103697187
Conc: 22.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170235BS



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 747903904
Conc: 24.69 ng/ml



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	TP-10MS		SDG No.:	Q3447
Lab Sample ID:	Q3439-05MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	91.2
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	19.6		1	0.14	1.90	ug/kg	10/24/25 13:18	PB170235
319-85-7	beta-BHC	18.7		1	0.20	1.90	ug/kg	10/24/25 13:18	PB170235
319-86-8	delta-BHC	19.5		1	0.43	1.90	ug/kg	10/24/25 13:18	PB170235
58-89-9	gamma-BHC (Lindane)	19.1		1	0.15	1.90	ug/kg	10/24/25 13:18	PB170235
76-44-8	Heptachlor	21.8		1	0.13	1.90	ug/kg	10/24/25 13:18	PB170235
309-00-2	Aldrin	18.6		1	0.13	1.90	ug/kg	10/24/25 13:18	PB170235
1024-57-3	Heptachlor epoxide	18.8		1	0.21	1.90	ug/kg	10/24/25 13:18	PB170235
959-98-8	Endosulfan I	18.0		1	0.15	1.90	ug/kg	10/24/25 13:18	PB170235
60-57-1	Dieldrin	17.8		1	0.15	1.90	ug/kg	10/24/25 13:18	PB170235
72-55-9	4,4-DDE	17.6		1	0.15	1.90	ug/kg	10/24/25 13:18	PB170235
72-20-8	Endrin	17.4		1	0.15	1.90	ug/kg	10/24/25 13:18	PB170235
33213-65-9	Endosulfan II	17.3		1	0.32	1.90	ug/kg	10/24/25 13:18	PB170235
72-54-8	4,4-DDD	18.4		1	0.16	1.90	ug/kg	10/24/25 13:18	PB170235
1031-07-8	Endosulfan Sulfate	17.1		1	0.14	1.90	ug/kg	10/24/25 13:18	PB170235
50-29-3	4,4-DDT	16.7		1	0.15	1.90	ug/kg	10/24/25 13:18	PB170235
72-43-5	Methoxychlor	16.4		1	0.40	1.90	ug/kg	10/24/25 13:18	PB170235
53494-70-5	Endrin ketone	17.3		1	0.21	1.90	ug/kg	10/24/25 13:18	PB170235
7421-93-4	Endrin aldehyde	17.6		1	0.40	1.90	ug/kg	10/24/25 13:18	PB170235
5103-71-9	alpha-Chlordane	17.9		1	0.13	1.90	ug/kg	10/24/25 13:18	PB170235
5103-74-2	gamma-Chlordane	17.4		1	0.16	1.90	ug/kg	10/24/25 13:18	PB170235
8001-35-2	Toxaphene	5.90	U	1	5.90	36.1	ug/kg	10/24/25 13:18	PB170235
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.6			20 - 144	93%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.6			19 - 148	103%	SPK: 20		

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\PD102425\
 Data File : PD090818.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 13:18
 Operator : AR\AJ
 Sample : Q3439-05MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-10MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:37:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.542	2.874	60939220	613.1E6	19.568m	20.591
28)	SA Decachlor...	9.063	8.059	87200442	469.6E6	18.641	15.503
Target Compounds							
2)	A alpha-BHC	3.993	3.385	385.0E6	2625.3E6	53.643	51.379
3)	MA gamma-BHC...	4.324	3.721	355.4E6	2379.6E6	52.275	50.362
4)	MA Heptachlor	4.922	4.073	334.4E6	2271.3E6	59.830	50.922
5)	MB Aldrin	5.263	4.359	334.0E6	2295.7E6	51.013	49.563
6)	B beta-BHC	4.511	4.017	134.4E6	986.7E6	51.288	49.758
7)	B delta-BHC	4.759	4.254	361.5E6	2356.4E6	53.461	49.384
8)	B Heptachlo...	5.683	4.863	299.1E6	2092.9E6	51.662	49.083
9)	A Endosulfan I	6.067	5.237	273.7E6	1858.4E6	49.435	47.179
10)	B gamma-Chl...	5.939	5.115	282.7E6	2140.8E6	47.659	47.628
11)	B alpha-Chl...	6.019	5.180	303.6E6	2047.2E6	49.122	47.458
12)	B 4,4'-DDE	6.189	5.364	256.7E6	2048.7E6	48.190	46.732
13)	MA Dieldrin	6.340	5.502	285.1E6	2073.7E6	48.892	46.934
14)	MA Endrin	6.567	5.779	237.0E6	1809.9E6	47.847	44.696
15)	B Endosulfa...	6.779	6.070	236.9E6	1718.0E6	47.385	45.746
16)	A 4,4'-DDD	6.699	5.919	204.3E6	1592.1E6	50.401	43.694
17)	MA 4,4'-DDT	7.014	6.172	188.1E6	1552.8E6	45.762	44.273
18)	B Endrin al...	6.908	6.248	176.8E6	1235.7E6	48.262	44.621
19)	B Endosulfa...	7.143	6.472	217.9E6	1584.3E6	46.971	44.199
20)	A Methoxychlor	7.487	6.742	95468310	727.4E6	44.914	41.740
21)	B Endrin ke...	7.624	6.981	231.0E6	1595.0E6	47.533	42.287
22)	Mirex	8.106	7.174	142.9E6	1029.7E6	44.638	40.080

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090818.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 13:18
Operator : AR\AJ
Sample : Q3439-05MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-10MS

Manual Integrations

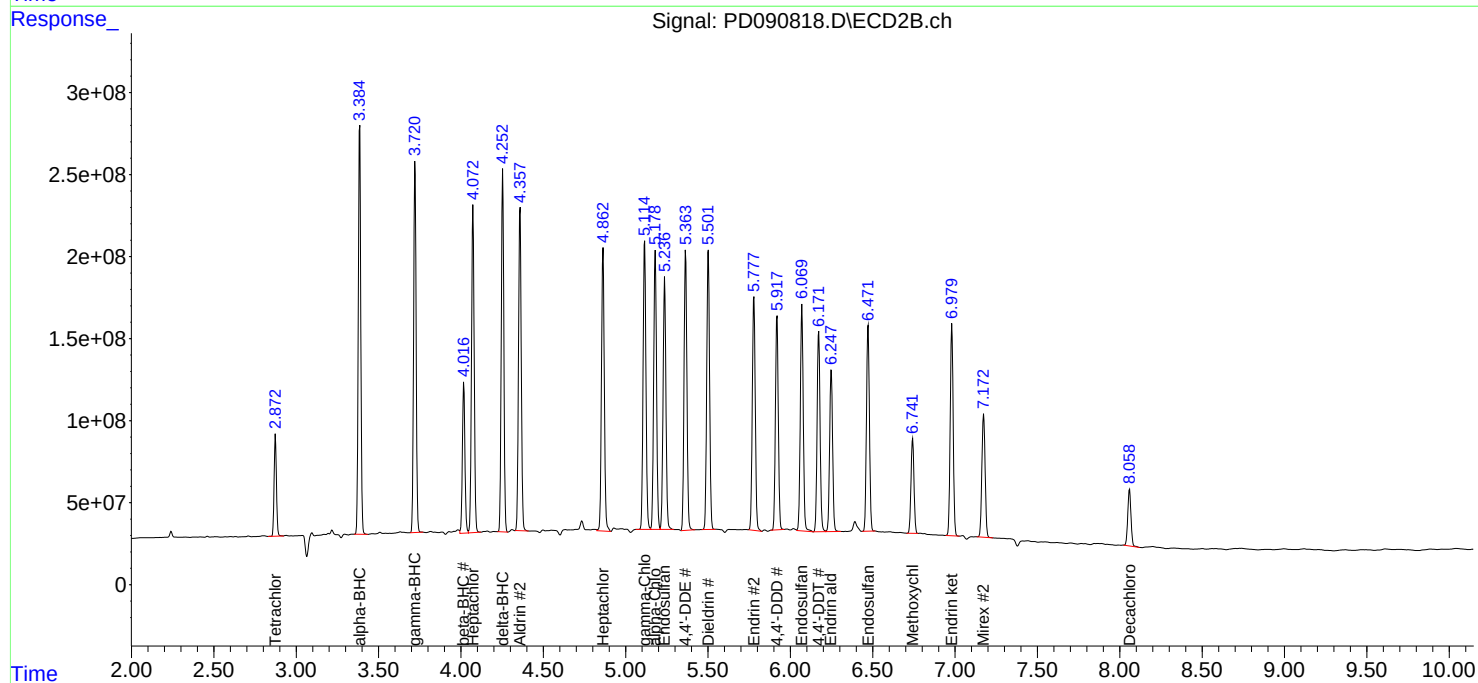
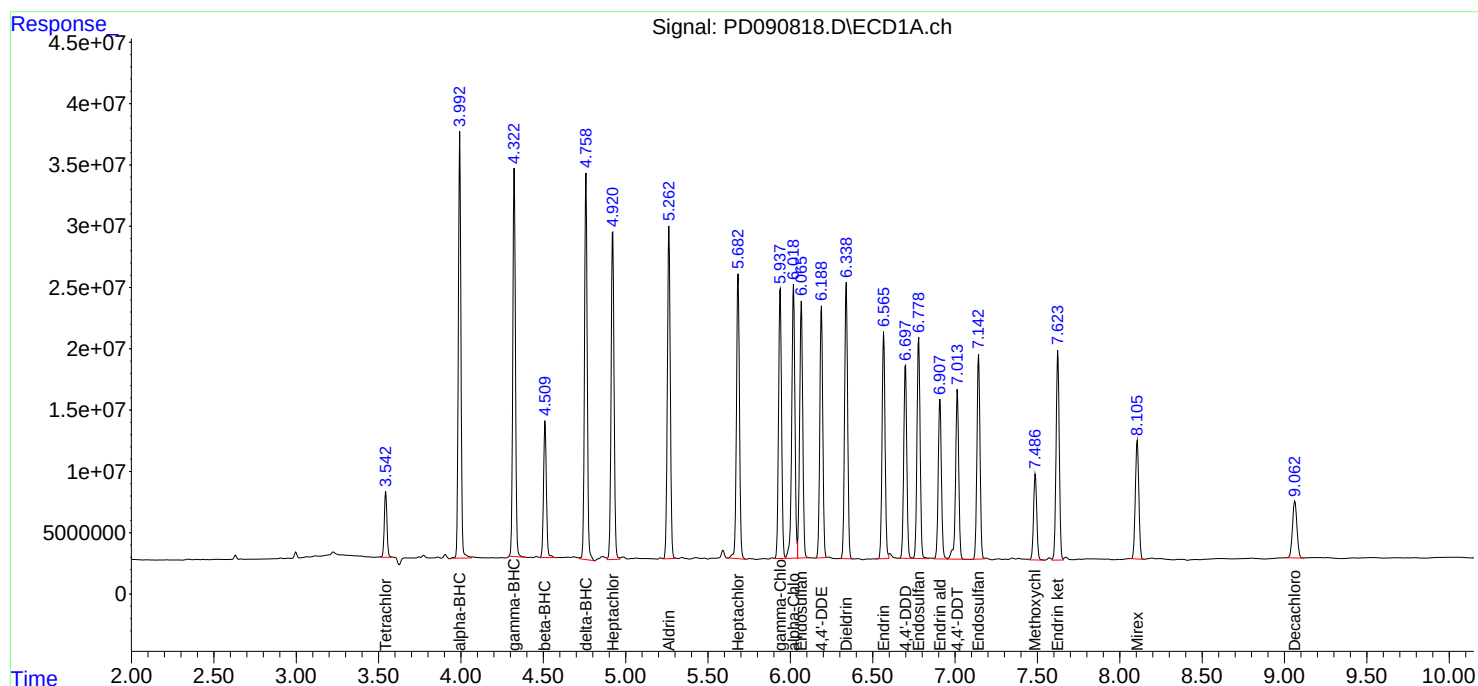
APPROVED

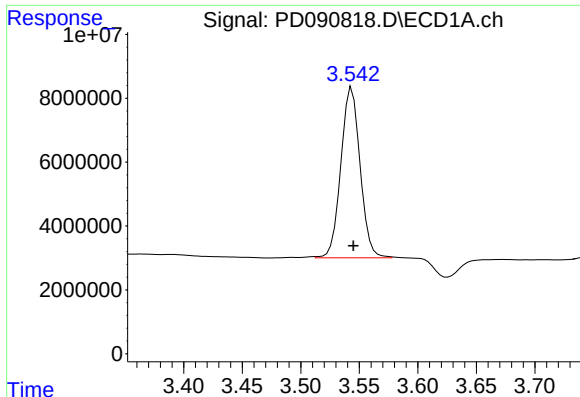
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:37:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





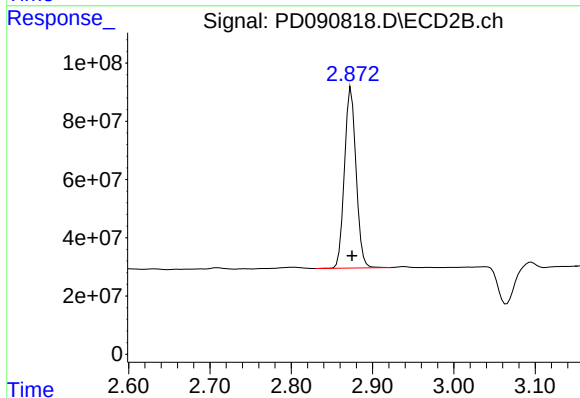
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 60939220
Conc: 19.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

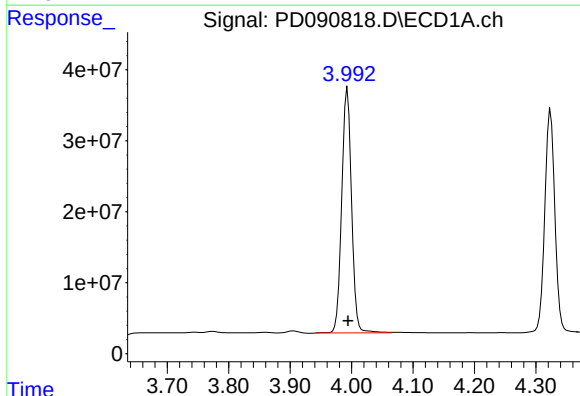
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



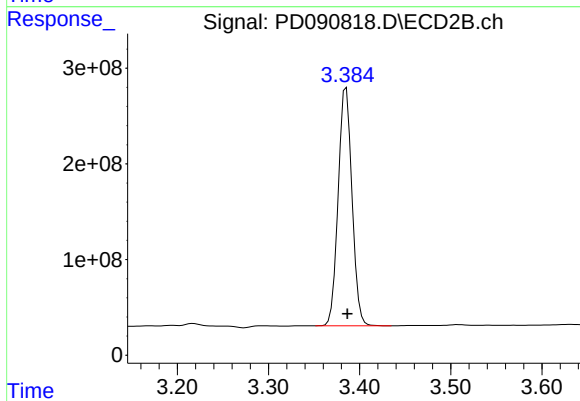
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 613143529
Conc: 20.59 ng/ml



#2 alpha-BHC

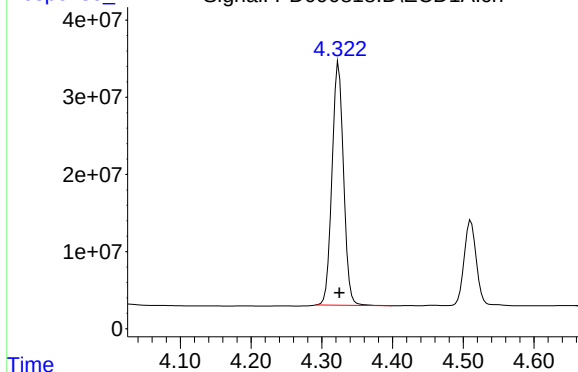
R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 385000800
Conc: 53.64 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2625274561
Conc: 51.38 ng/ml

Response_ Signal: PD090818.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.001 min
Response: 355408414
Conc: 52.27 ng/ml

Instrument :

ECD_D

ClientSampleId :

TP-10MS

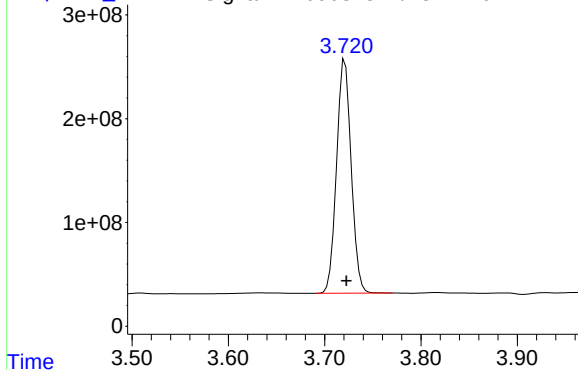
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

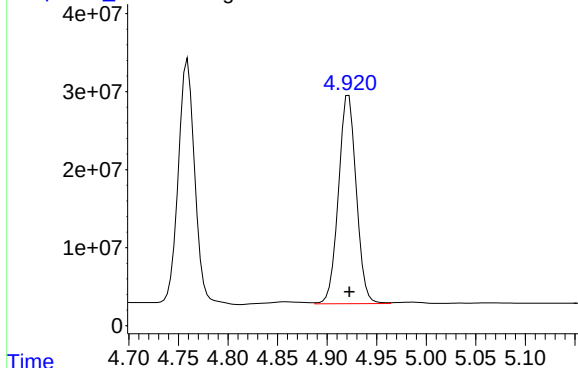
Response_ Signal: PD090818.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 2379565341
Conc: 50.36 ng/ml

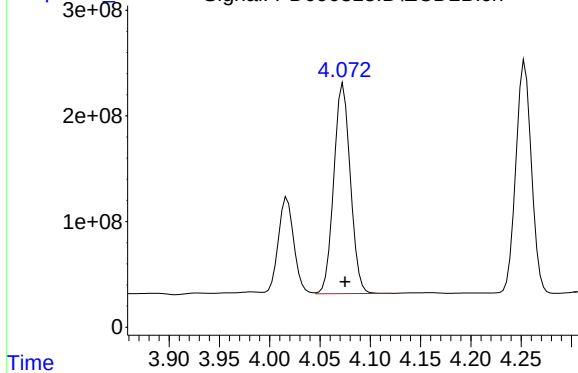
Response_ Signal: PD090818.D\ECD1A.ch



#4 Heptachlor

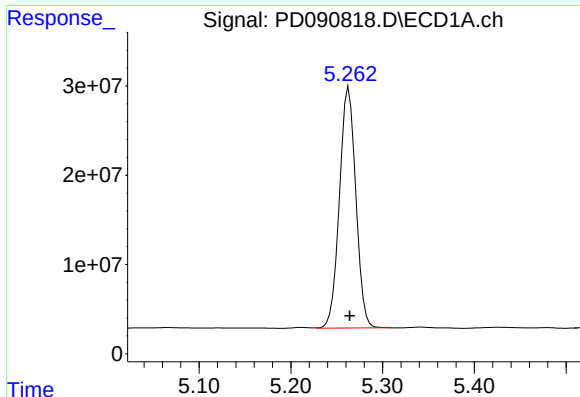
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 334422065
Conc: 59.83 ng/ml

Response_ Signal: PD090818.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2271284326
Conc: 50.92 ng/ml



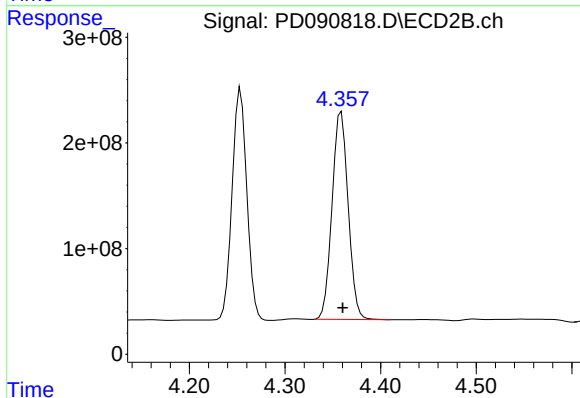
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 333998628
Conc: 51.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

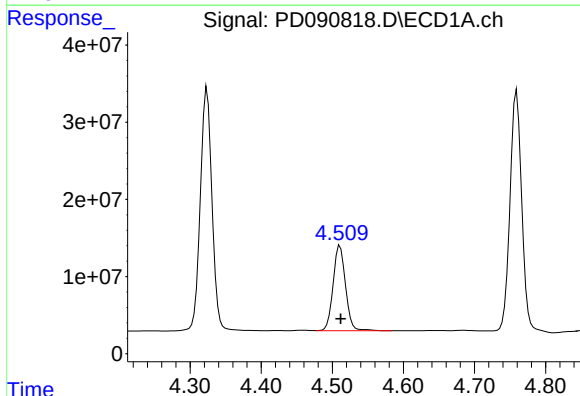
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/28/2025



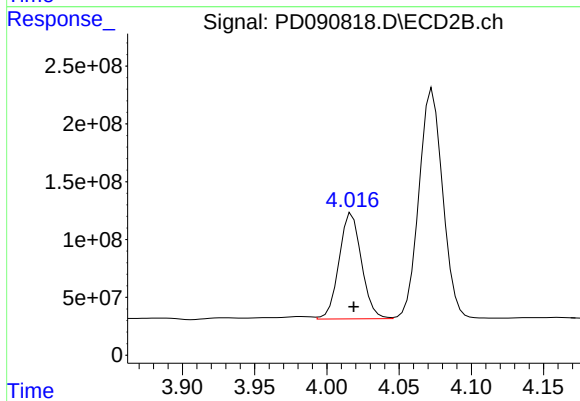
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2295725027
Conc: 49.56 ng/ml



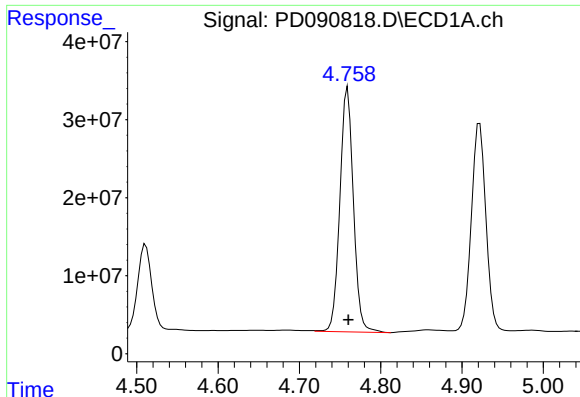
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 134355770
Conc: 51.29 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 986678195
Conc: 49.76 ng/ml



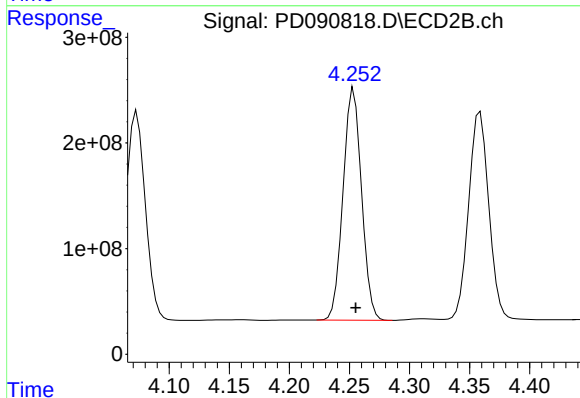
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 361487916
Conc: 53.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

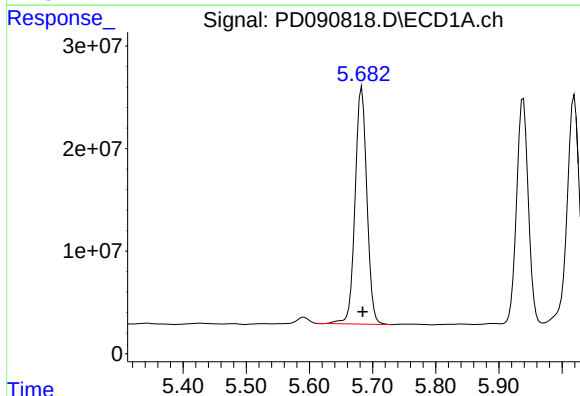
Manual Integrations
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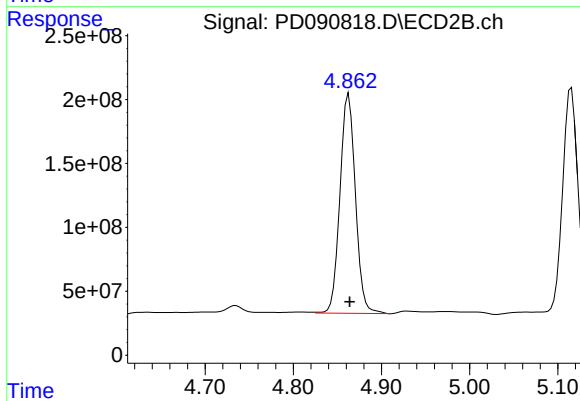
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.002 min
Response: 2356417487
Conc: 49.38 ng/ml



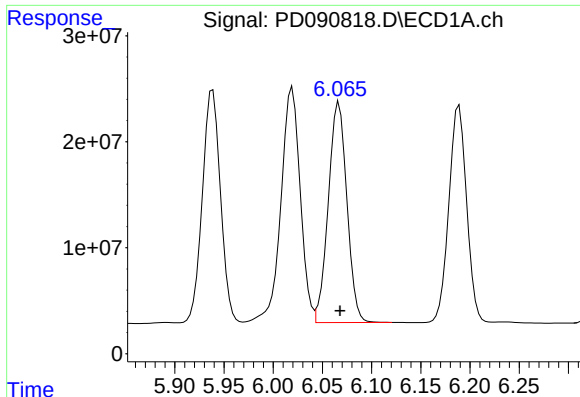
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.001 min
Response: 299075353
Conc: 51.66 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.001 min
Response: 2092850381
Conc: 49.08 ng/ml



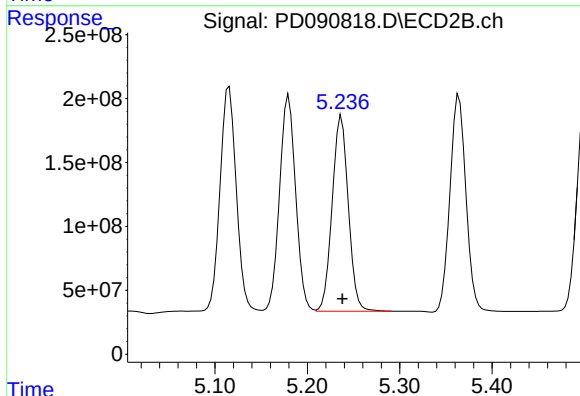
#9 Endosulfan I

R.T.: 6.067 min
 Delta R.T.: 0.000 min
 Response: 273701681
 Conc: 49.43 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 TP-10MS

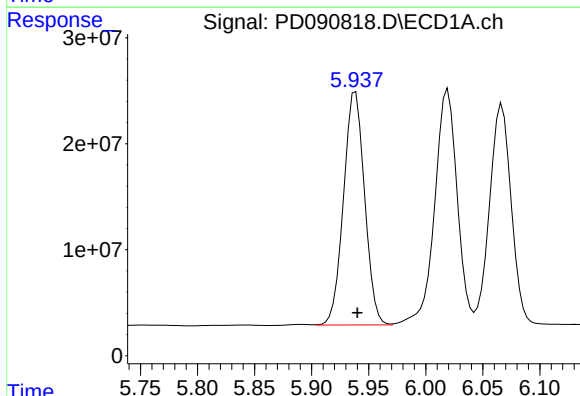
Manual Integrations
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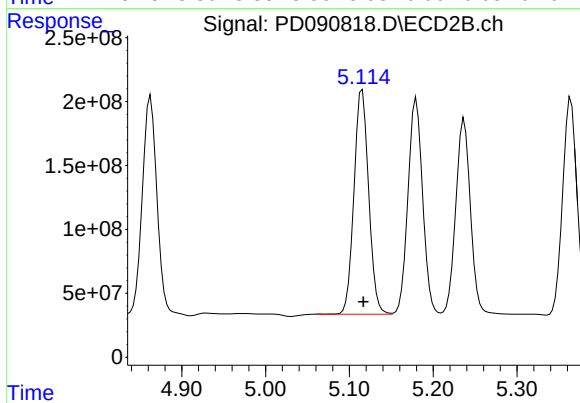
#9 Endosulfan I

R.T.: 5.237 min
 Delta R.T.: -0.001 min
 Response: 1858407352
 Conc: 47.18 ng/ml



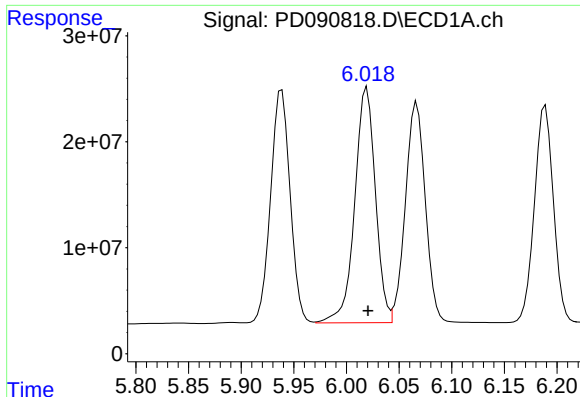
#10 gamma-Chlordane

R.T.: 5.939 min
 Delta R.T.: -0.002 min
 Response: 282676446
 Conc: 47.66 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
 Delta R.T.: -0.001 min
 Response: 2140825409
 Conc: 47.63 ng/ml



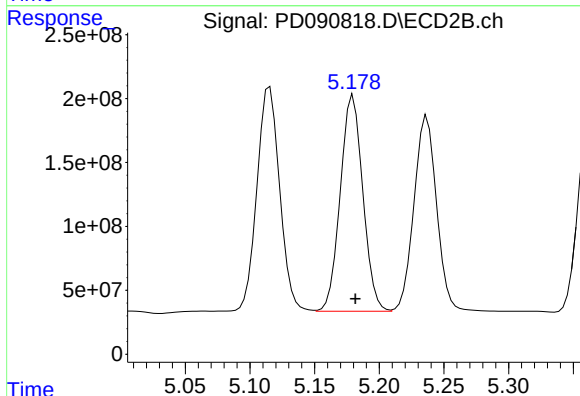
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 303586253
Conc: 49.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

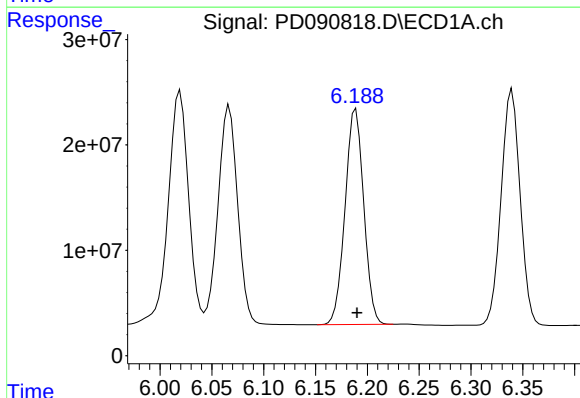
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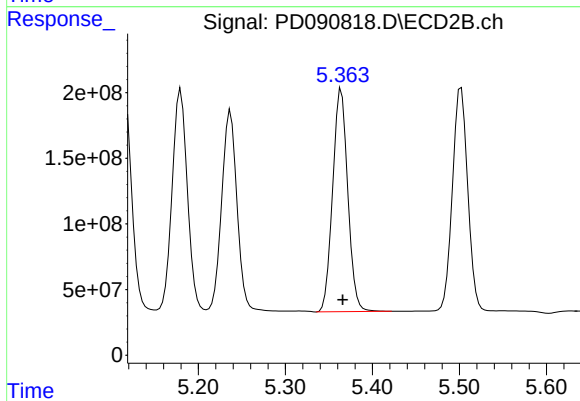
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.002 min
Response: 2047210013
Conc: 47.46 ng/ml



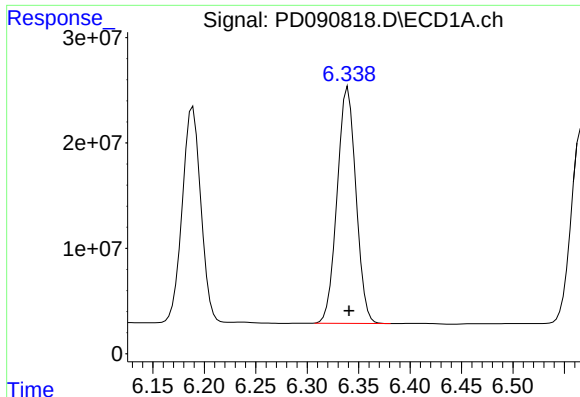
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.001 min
Response: 256690077
Conc: 48.19 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2048667641
Conc: 46.73 ng/ml



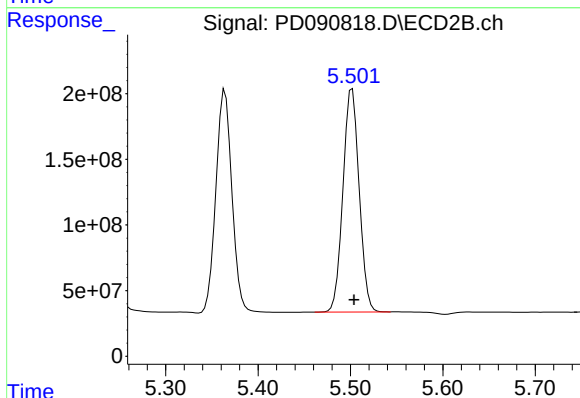
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 285108890
Conc: 48.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

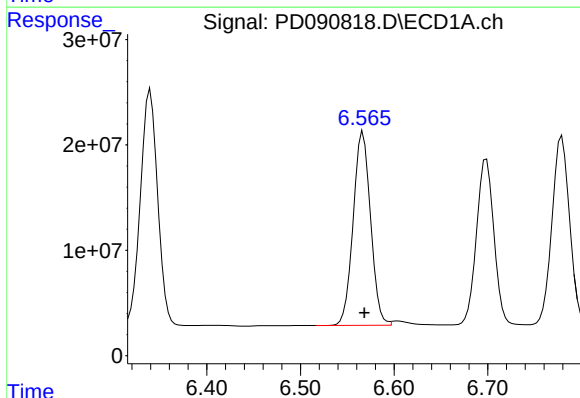
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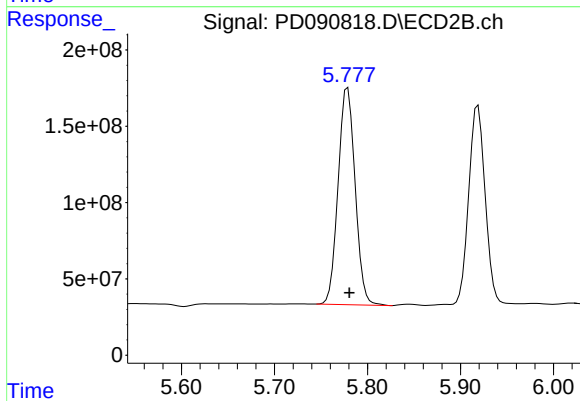
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2073720662
Conc: 46.93 ng/ml



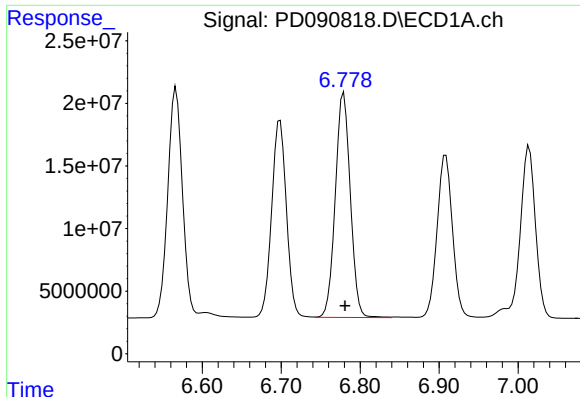
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 237020986
Conc: 47.85 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 1809924532
Conc: 44.70 ng/ml



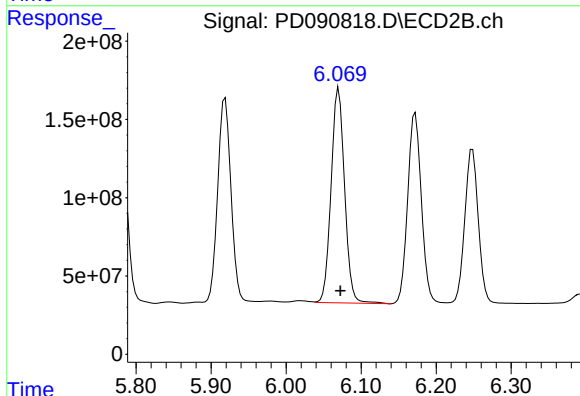
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.002 min
Response: 236922836
Conc: 47.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

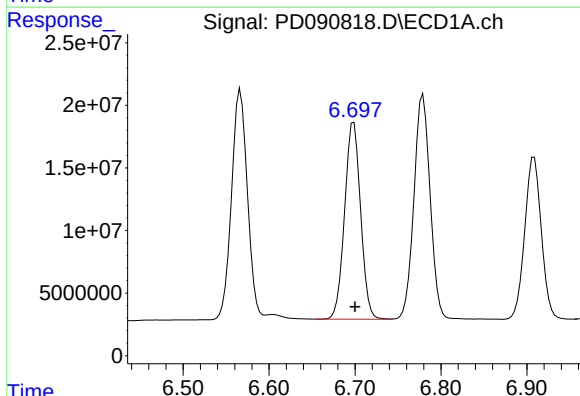
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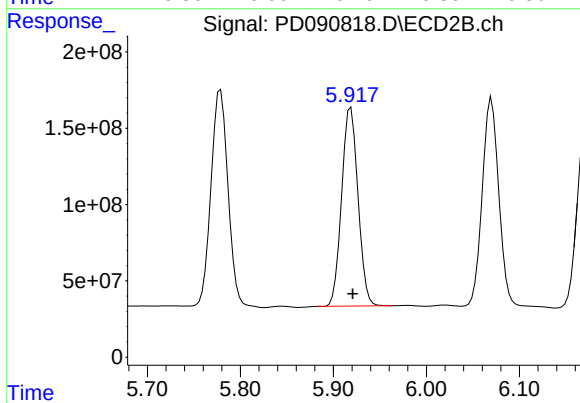
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1718029983
Conc: 45.75 ng/ml



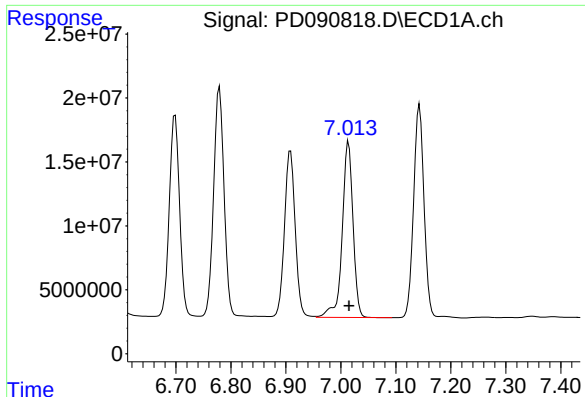
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 204338154
Conc: 50.40 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1592138911
Conc: 43.69 ng/ml



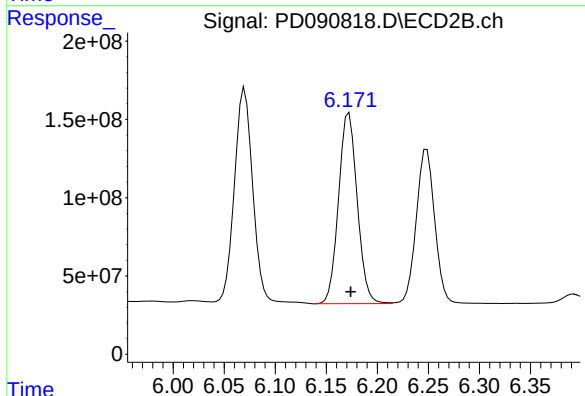
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 188104492
Conc: 45.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

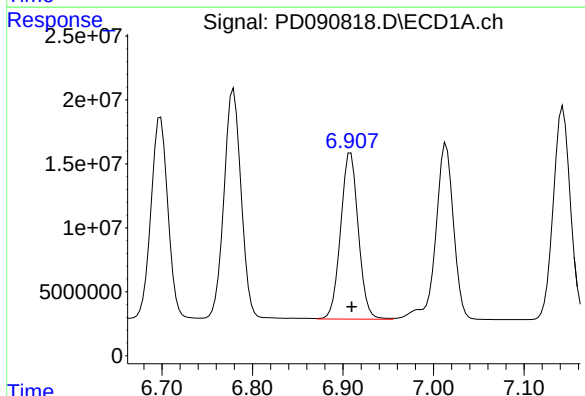
Manual Integrations
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Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



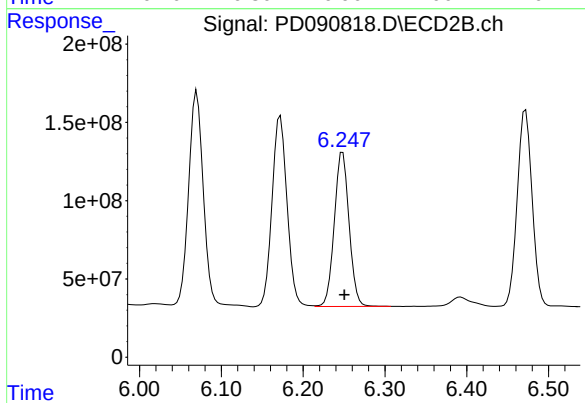
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1552794707
Conc: 44.27 ng/ml



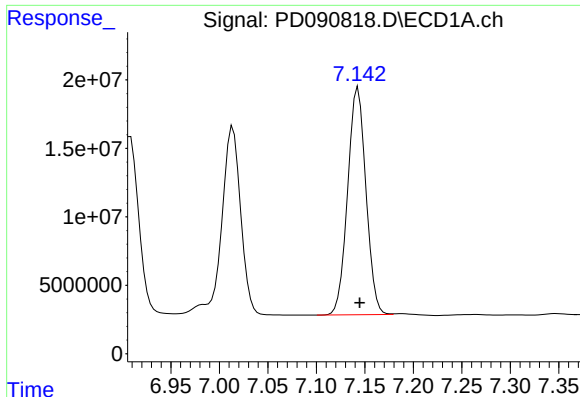
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.001 min
Response: 176769267
Conc: 48.26 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 1235671313
Conc: 44.62 ng/ml



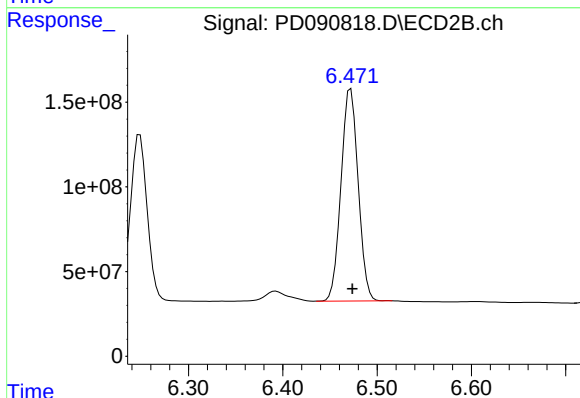
#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.002 min
Response: 217861238
Conc: 46.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

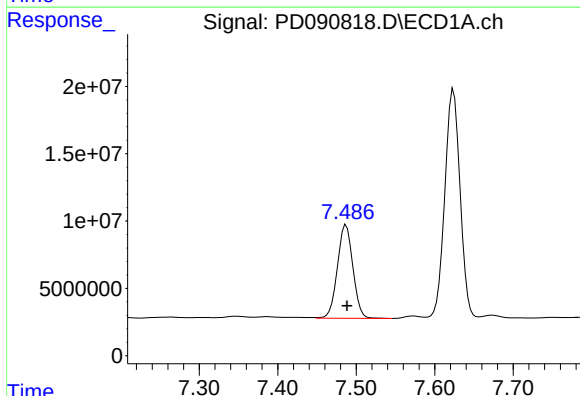
Manual Integrations
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Reviewed By :Abdul Mirza 10/27/2025
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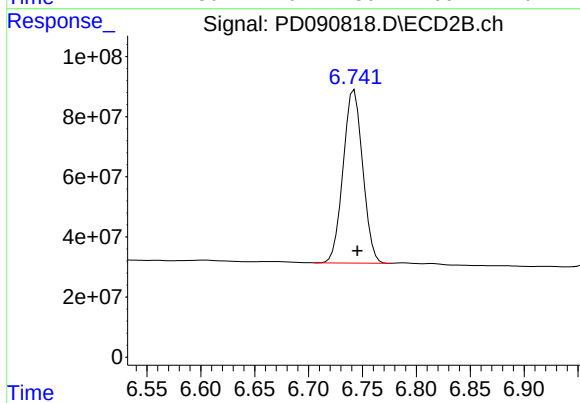
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1584322882
Conc: 44.20 ng/ml



#20 Methoxychlor

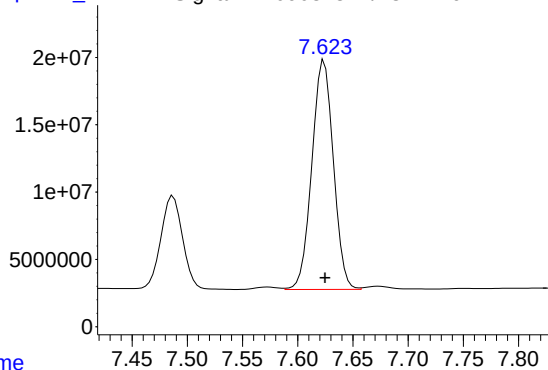
R.T.: 7.487 min
Delta R.T.: -0.001 min
Response: 95468310
Conc: 44.91 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 727435041
Conc: 41.74 ng/ml

Response_ Signal: PD090818.D\ECD1A.ch



#21 Endrin ketone

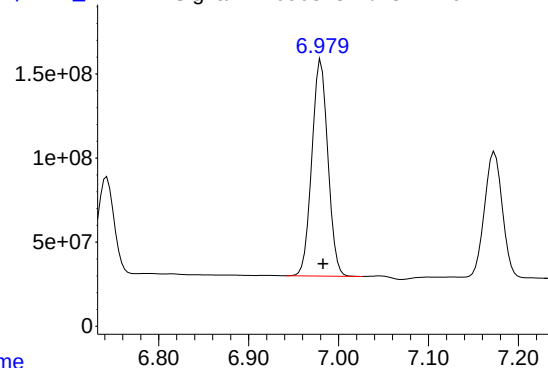
R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 230955022
Conc: 47.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

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Supervised By :mohammad ahmed 10/28/2025

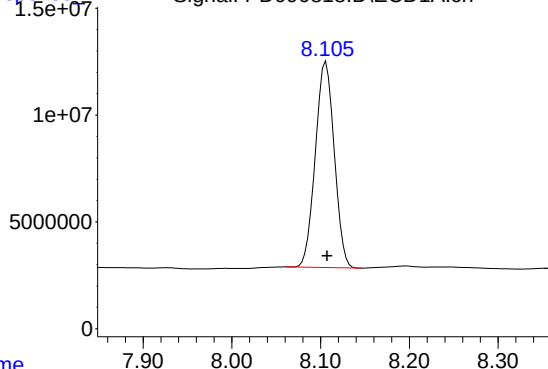
Time Response_ Signal: PD090818.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 1594964556
Conc: 42.29 ng/ml

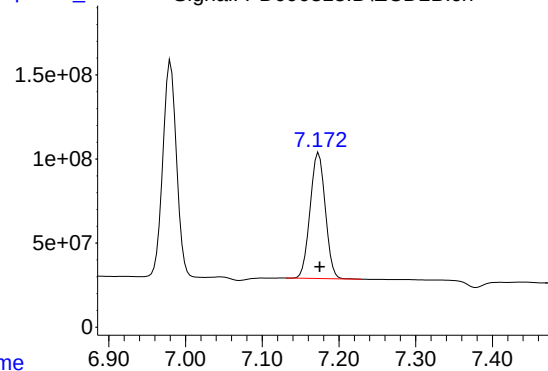
Time Response_ Signal: PD090818.D\ECD1A.ch



#22 Mirex

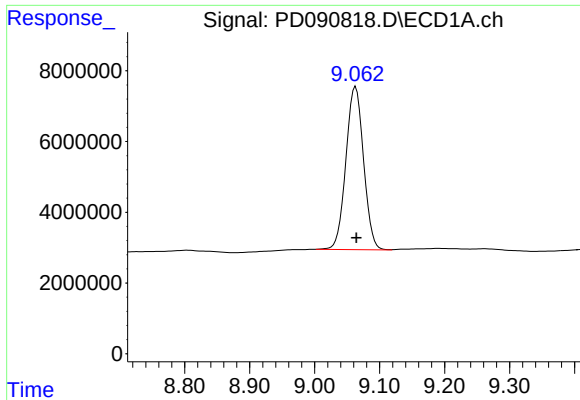
R.T.: 8.106 min
Delta R.T.: -0.001 min
Response: 142880287
Conc: 44.64 ng/ml

Time Response_ Signal: PD090818.D\ECD2B.ch



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.002 min
Response: 1029679715
Conc: 40.08 ng/ml



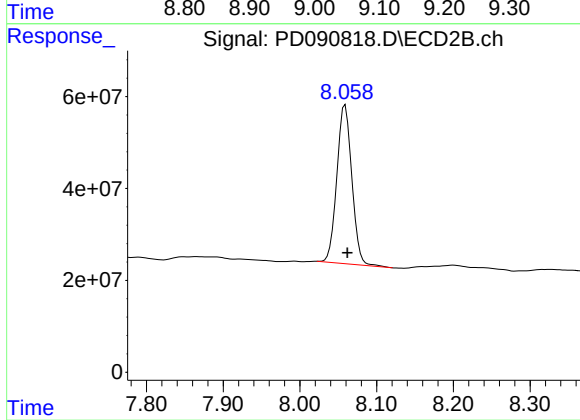
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.001 min
Response: 87200442
Conc: 18.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 469608834
Conc: 15.50 ng/ml



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	TP-10MSD		SDG No.:	Q3447
Lab Sample ID:	Q3439-05MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	91.2
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	19.7		1	0.14	1.90	ug/kg	10/24/25 13:31	PB170235
319-85-7	beta-BHC	18.5		1	0.20	1.90	ug/kg	10/24/25 13:31	PB170235
319-86-8	delta-BHC	19.4		1	0.43	1.90	ug/kg	10/24/25 13:31	PB170235
58-89-9	gamma-BHC (Lindane)	19.1		1	0.15	1.90	ug/kg	10/24/25 13:31	PB170235
76-44-8	Heptachlor	22.1		1	0.13	1.90	ug/kg	10/24/25 13:31	PB170235
309-00-2	Aldrin	19.0		1	0.13	1.90	ug/kg	10/24/25 13:31	PB170235
1024-57-3	Heptachlor epoxide	18.6		1	0.21	1.90	ug/kg	10/24/25 13:31	PB170235
959-98-8	Endosulfan I	18.3		1	0.15	1.90	ug/kg	10/24/25 13:31	PB170235
60-57-1	Dieldrin	18.2		1	0.15	1.90	ug/kg	10/24/25 13:31	PB170235
72-55-9	4,4-DDE	17.7		1	0.15	1.90	ug/kg	10/24/25 13:31	PB170235
72-20-8	Endrin	17.8		1	0.15	1.90	ug/kg	10/24/25 13:31	PB170235
33213-65-9	Endosulfan II	17.4		1	0.32	1.90	ug/kg	10/24/25 13:31	PB170235
72-54-8	4,4-DDD	18.8		1	0.16	1.90	ug/kg	10/24/25 13:31	PB170235
1031-07-8	Endosulfan Sulfate	16.9		1	0.14	1.90	ug/kg	10/24/25 13:31	PB170235
50-29-3	4,4-DDT	17.4		1	0.15	1.90	ug/kg	10/24/25 13:31	PB170235
72-43-5	Methoxychlor	17.0		1	0.40	1.90	ug/kg	10/24/25 13:31	PB170235
53494-70-5	Endrin ketone	18.3		1	0.21	1.90	ug/kg	10/24/25 13:31	PB170235
7421-93-4	Endrin aldehyde	17.6		1	0.40	1.90	ug/kg	10/24/25 13:31	PB170235
5103-71-9	alpha-Chlordane	18.0		1	0.13	1.90	ug/kg	10/24/25 13:31	PB170235
5103-74-2	gamma-Chlordane	18.0		1	0.16	1.90	ug/kg	10/24/25 13:31	PB170235
8001-35-2	Toxaphene	5.90	U	1	5.90	36.1	ug/kg	10/24/25 13:31	PB170235
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.8			20 - 144	94%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.3			19 - 148	102%	SPK: 20		

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\PD102425\
 Data File : PD090819.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 13:31
 Operator : AR\AJ
 Sample : Q3439-05MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-10MSD

Manual Integrations
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Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:37:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.543	2.874	61393979	605.0E6	19.714m	20.319
28)	SA Decachlor...	9.063	8.059	88154444	491.6E6	18.845	16.229
Target Compounds							
2)	A alpha-BHC	3.993	3.385	388.5E6	2603.8E6	54.126	50.958
3)	MA gamma-BHC...	4.324	3.722	356.8E6	2380.3E6	52.478	50.378
4)	MA Heptachlor	4.922	4.074	338.8E6	2279.4E6	60.610	51.104
5)	MB Aldrin	5.263	4.359	341.3E6	2291.7E6	52.128	49.477
6)	B beta-BHC	4.511	4.018	133.2E6	988.5E6	50.851	49.852
7)	B delta-BHC	4.760	4.254	359.8E6	2367.3E6	53.209	49.612
8)	B Heptachlo...	5.683	4.863	295.4E6	2100.8E6	51.025	49.270
9)	A Endosulfan I	6.067	5.236	277.5E6	1906.8E6	50.117	48.408
10)	B gamma-Chl...	5.938	5.115	292.3E6	2183.0E6	49.280	48.565
11)	B alpha-Chl...	6.019	5.180	304.3E6	2091.3E6	49.230	48.479
12)	B 4,4'-DDE	6.189	5.364	258.8E6	2077.4E6	48.579	47.388
13)	MA Dieldrin	6.339	5.502	291.0E6	2086.3E6	49.903	47.218
14)	MA Endrin	6.567	5.779	241.9E6	1832.3E6	48.841	45.249
15)	B Endosulfa...	6.779	6.071	239.3E6	1747.3E6	47.853	46.526
16)	A 4,4'-DDD	6.699	5.919	209.0E6	1612.0E6	51.552	44.239
17)	MA 4,4'-DDT	7.014	6.173	196.2E6	1587.3E6	47.731	45.258
18)	B Endrin al...	6.908	6.249	177.3E6	1252.3E6	48.398	45.221
19)	B Endosulfa...	7.143	6.472	215.1E6	1610.4E6	46.378	44.926
20)	A Methoxychlor	7.487	6.743	99290204	736.6E6	46.712	42.263
21)	B Endrin ke...	7.624	6.981	243.2E6	1692.7E6	50.048	44.878
22)	Mirex	8.106	7.173	145.9E6	1023.1E6	45.577	39.824

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090819.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 13:31
Operator : AR\AJ
Sample : Q3439-05MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-10MSD

Manual Integrations

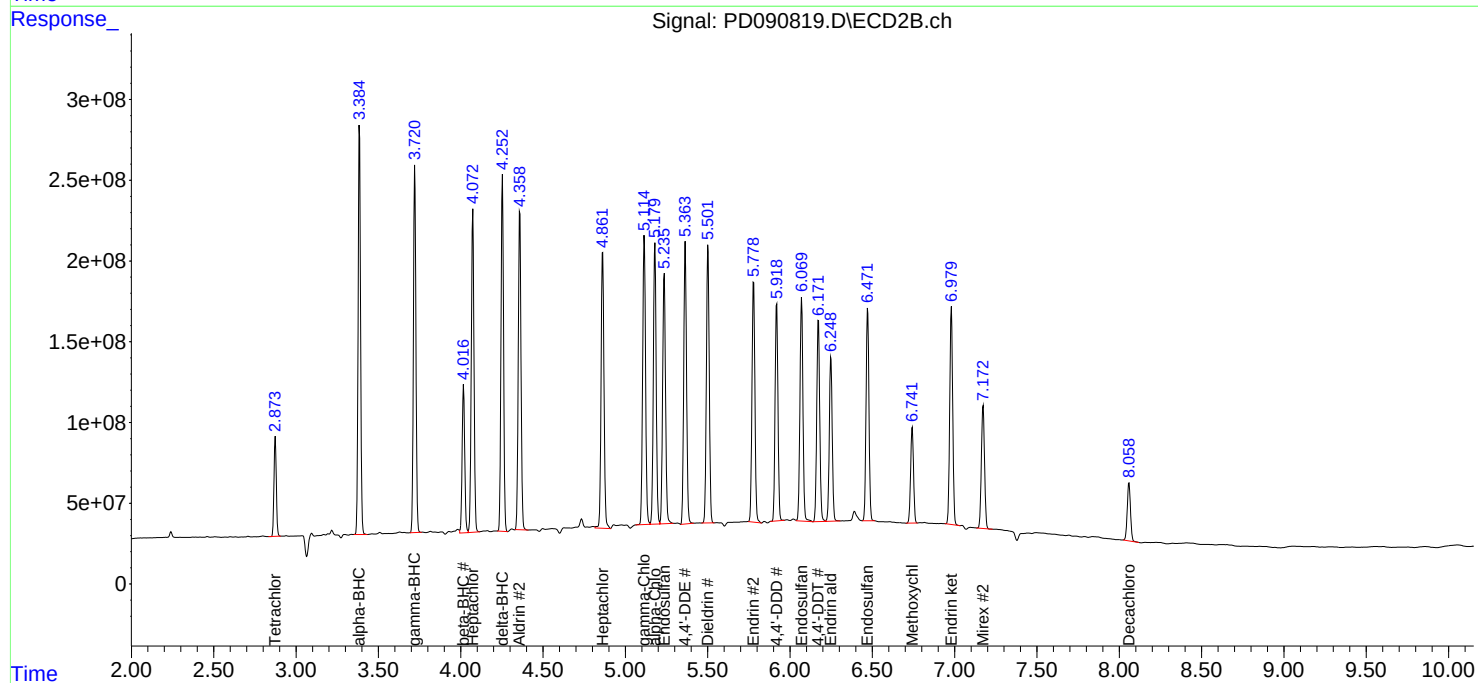
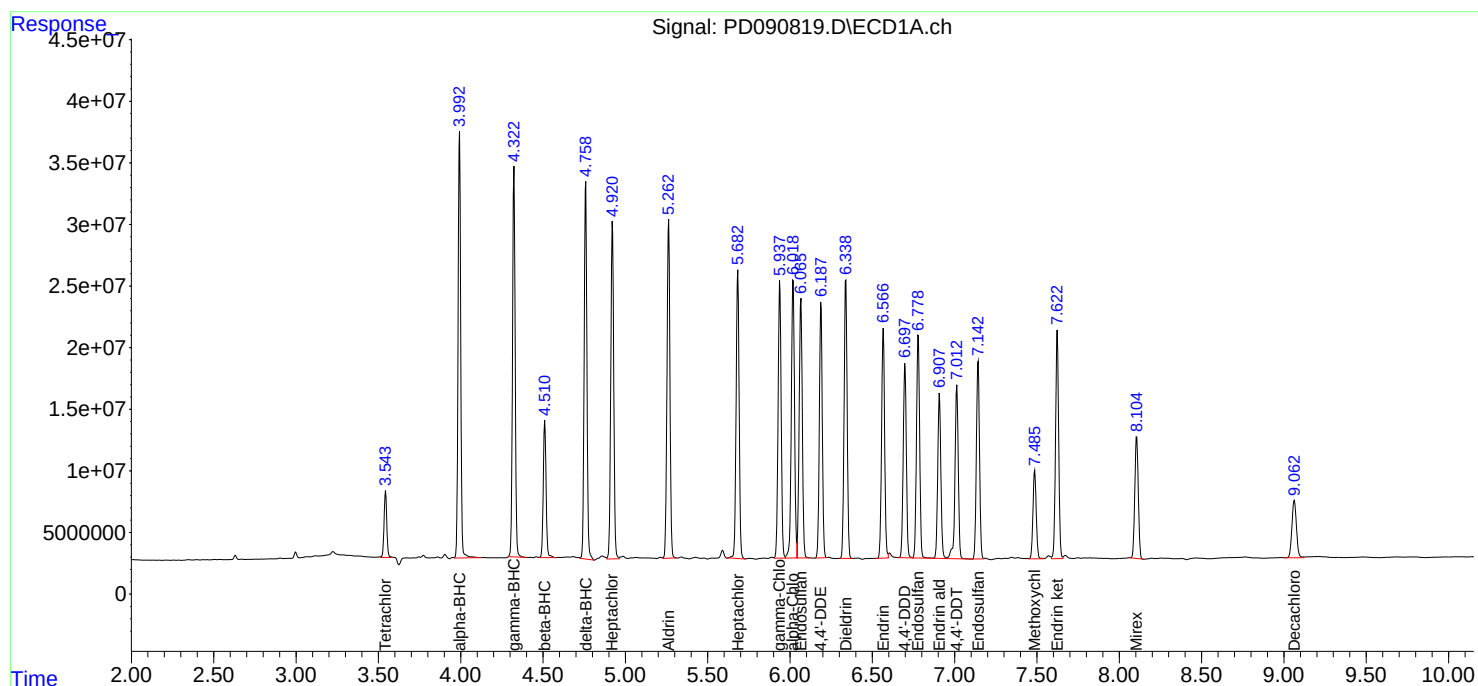
APPROVED

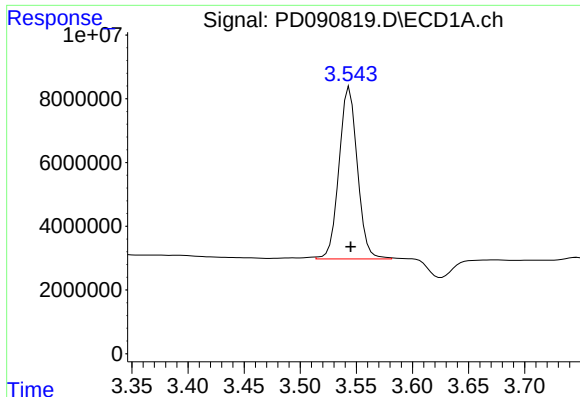
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:37:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





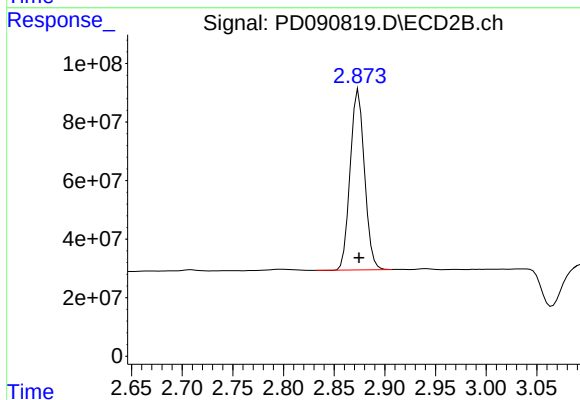
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 61393979
Conc: 19.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

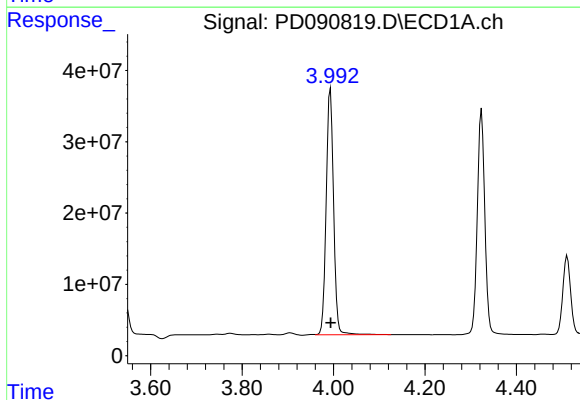
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



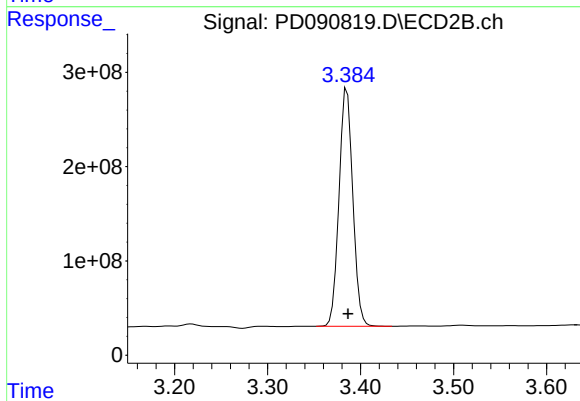
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 605043194
Conc: 20.32 ng/ml



#2 alpha-BHC

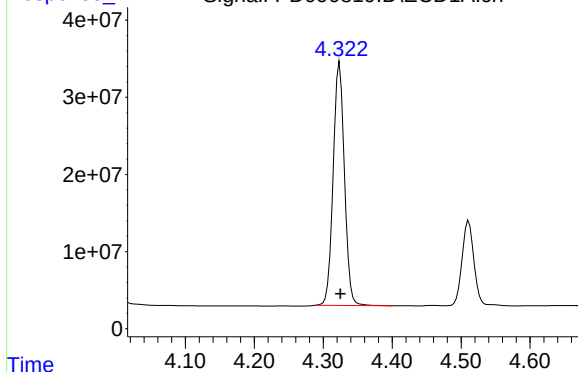
R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 388466873
Conc: 54.13 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2603752024
Conc: 50.96 ng/ml

Response_ Signal: PD090819.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.001 min
Response: 356789488
Conc: 52.48 ng/ml

Instrument :

ECD_D

ClientSampleId :

TP-10MSD

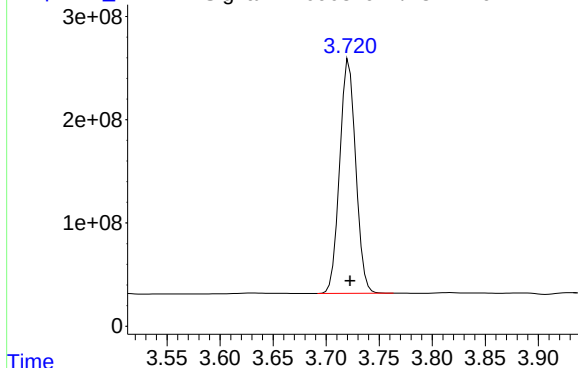
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

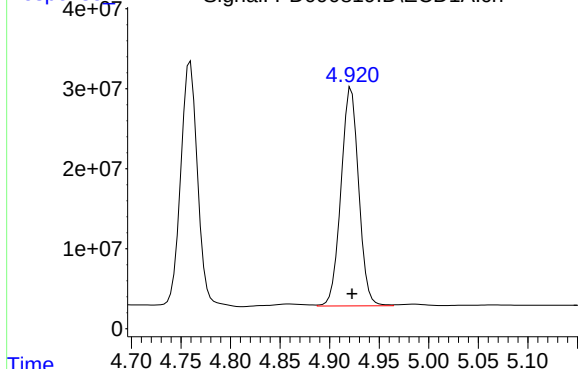
Response_ Signal: PD090819.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.001 min
Response: 2380281271
Conc: 50.38 ng/ml

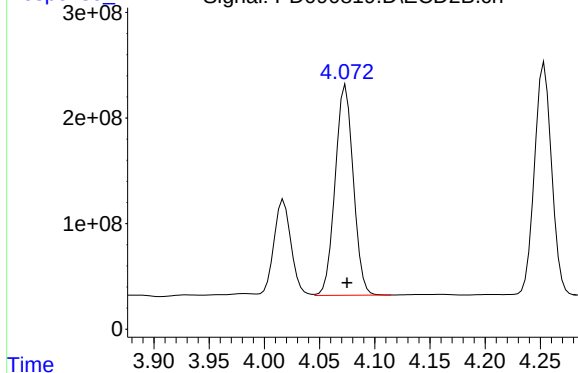
Response_ Signal: PD090819.D\ECD1A.ch



#4 Heptachlor

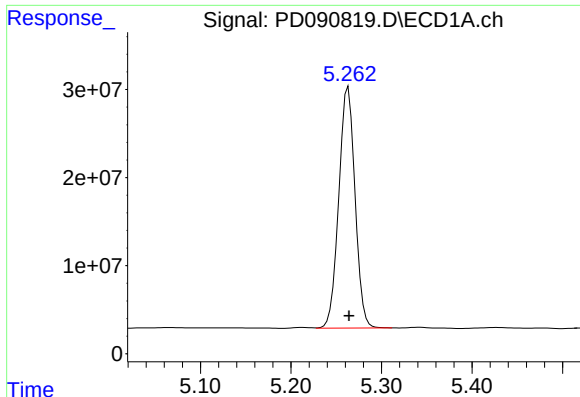
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 338782266
Conc: 60.61 ng/ml

Response_ Signal: PD090819.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 2279399916
Conc: 51.10 ng/ml



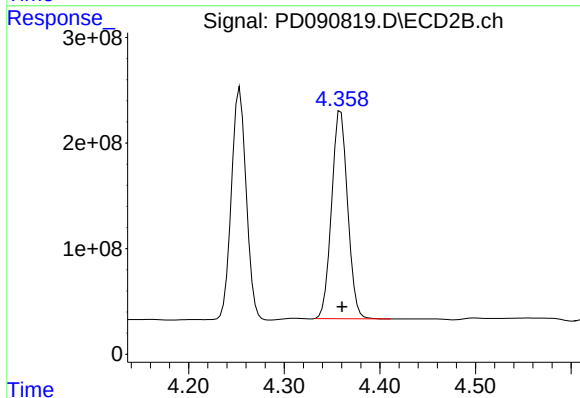
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 341297090
Conc: 52.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

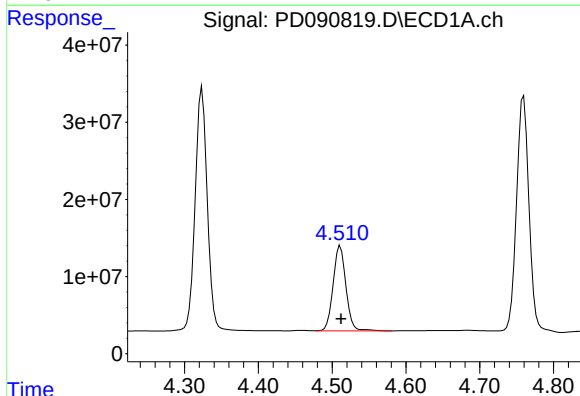
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



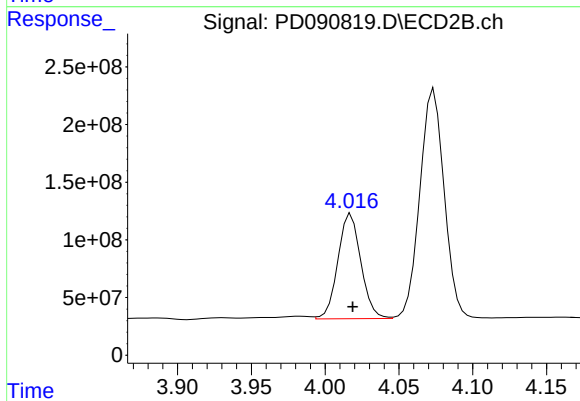
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2291703089
Conc: 49.48 ng/ml



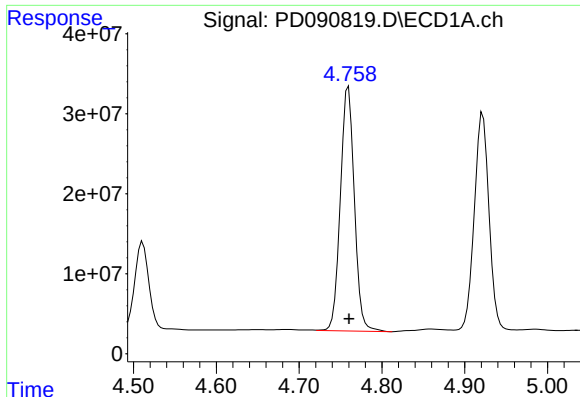
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 133209964
Conc: 50.85 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 988544091
Conc: 49.85 ng/ml



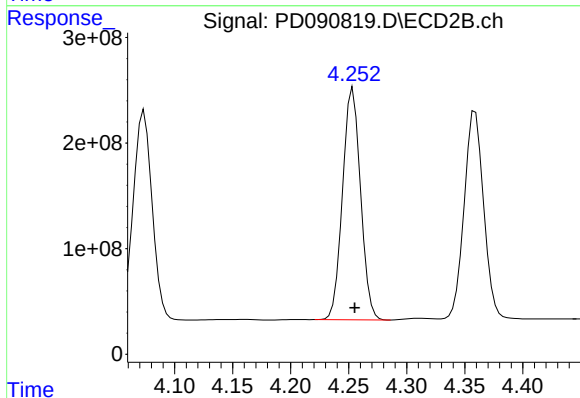
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 359786817
Conc: 53.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

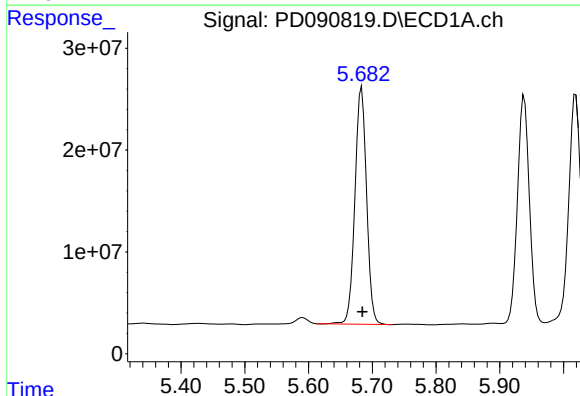
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



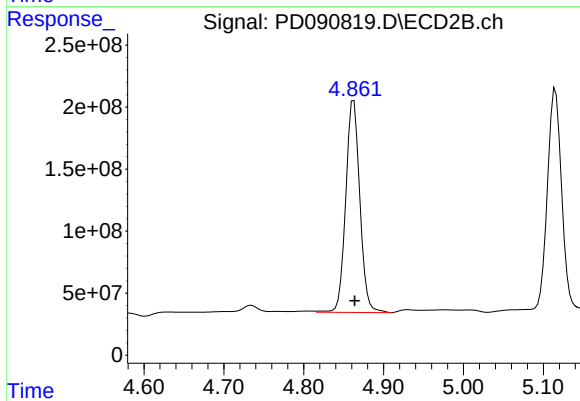
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2367331008
Conc: 49.61 ng/ml



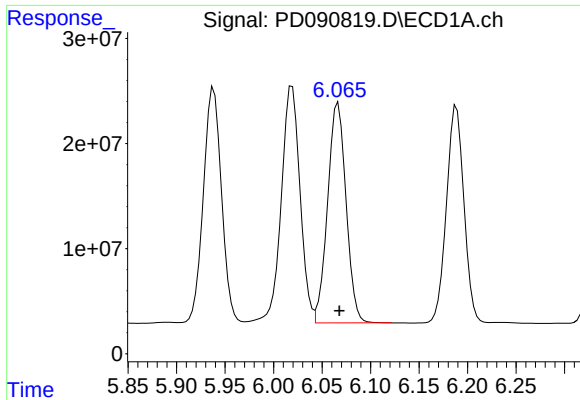
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 295384184
Conc: 51.02 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.002 min
Response: 2100815682
Conc: 49.27 ng/ml



#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.001 min
Response: 277477479
Conc: 50.12 ng/ml

Instrument :

ECD_D

ClientSampleId :

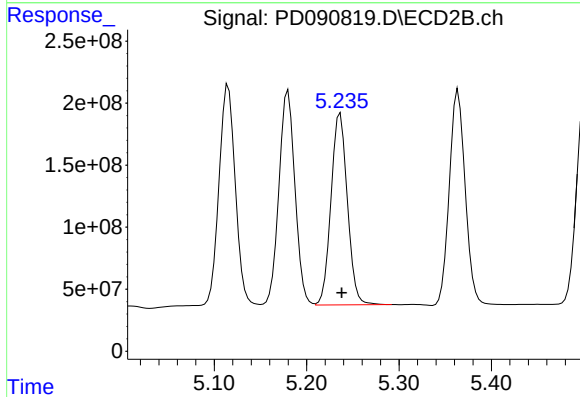
TP-10MSD

Manual Integrations

APPROVED

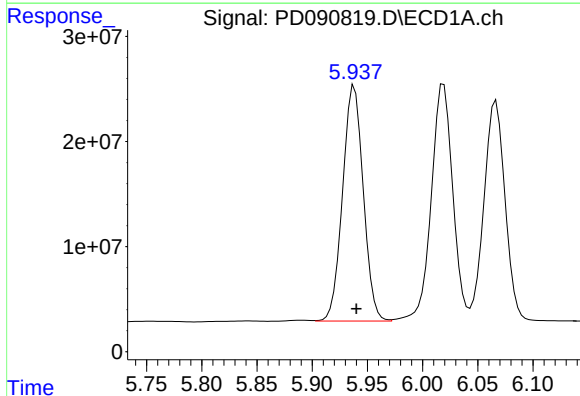
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



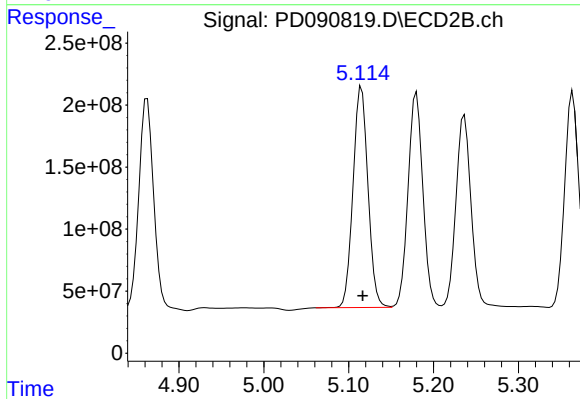
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1906825359
Conc: 48.41 ng/ml



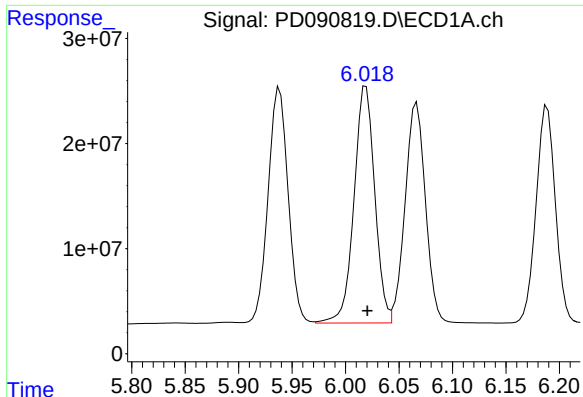
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 292285930
Conc: 49.28 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2182956341
Conc: 48.57 ng/ml



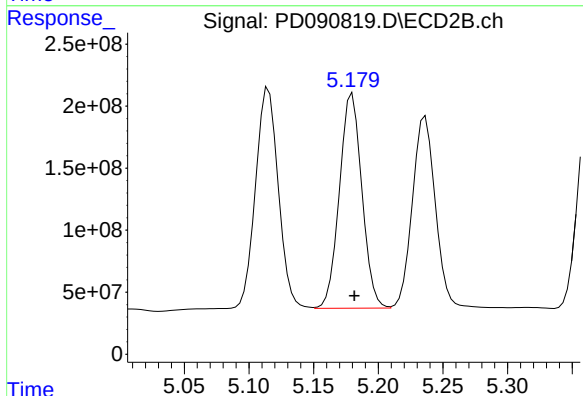
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 304256101
Conc: 49.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

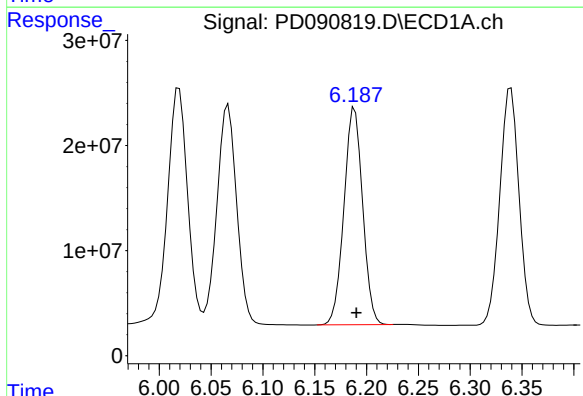
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



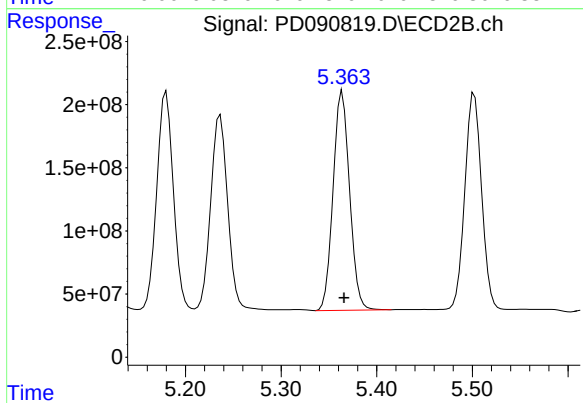
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.002 min
Response: 2091267812
Conc: 48.48 ng/ml



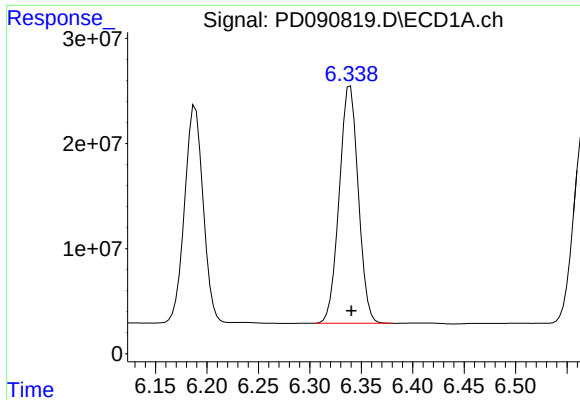
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.001 min
Response: 258761298
Conc: 48.58 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2077387314
Conc: 47.39 ng/ml



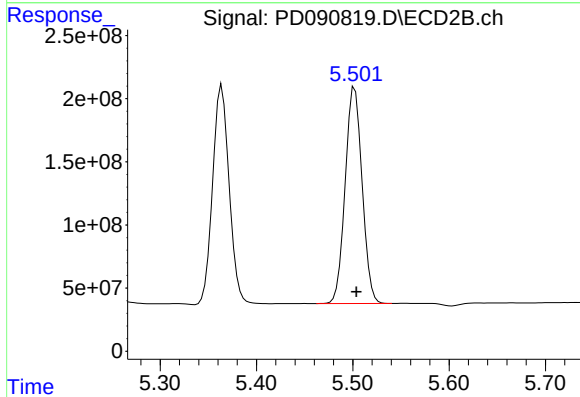
#13 Dieldrin

R.T.: 6.339 min
Delta R.T.: -0.001 min
Response: 291004074
Conc: 49.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

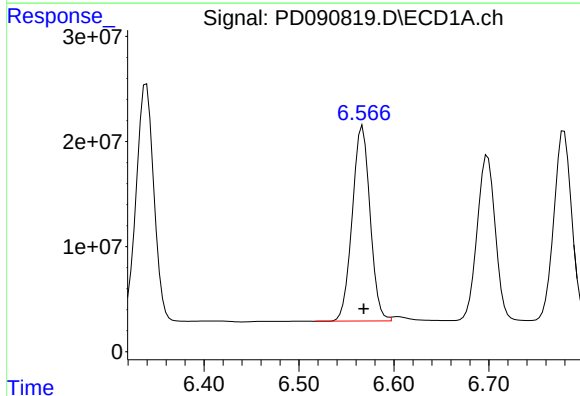
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



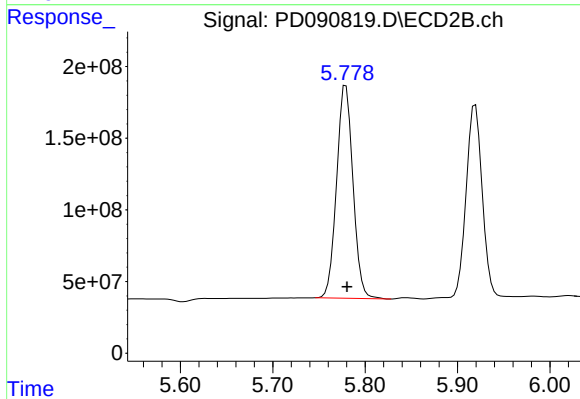
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2086279864
Conc: 47.22 ng/ml



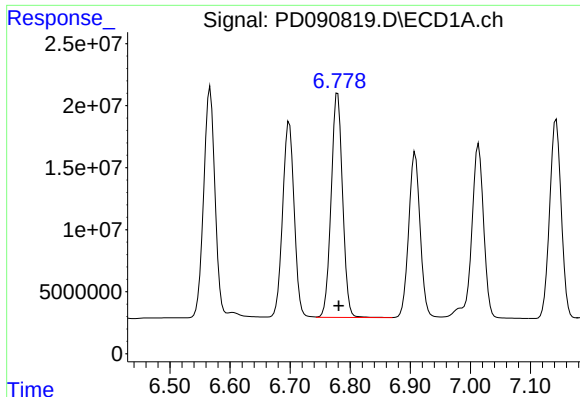
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.001 min
Response: 241944247
Conc: 48.84 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 1832310027
Conc: 45.25 ng/ml



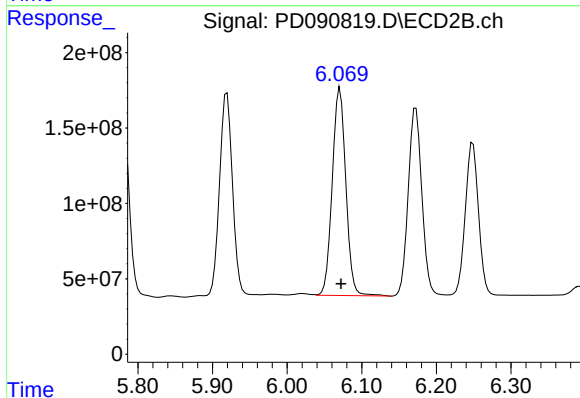
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.002 min
Response: 239263626
Conc: 47.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

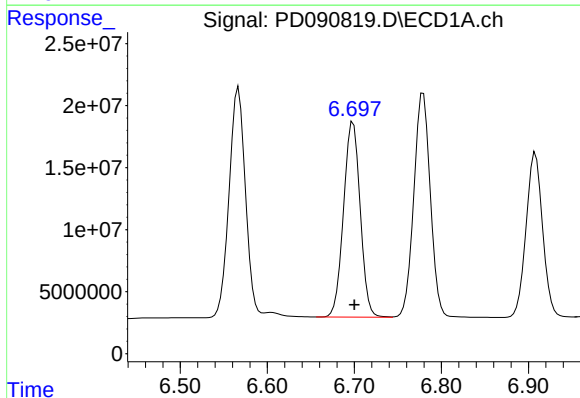
Manual Integrations
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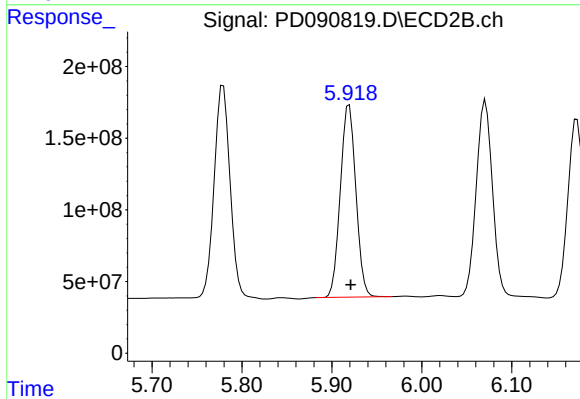
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 1747305051
Conc: 46.53 ng/ml



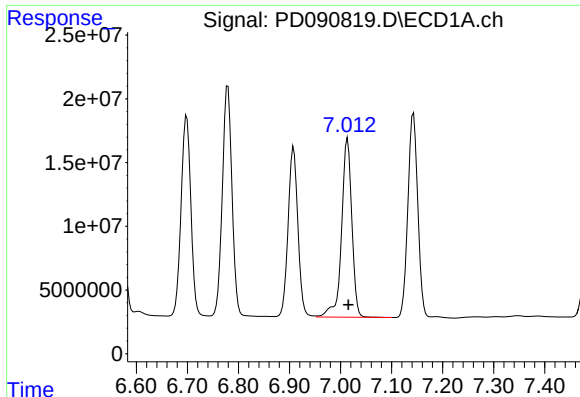
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 209002077
Conc: 51.55 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.001 min
Response: 1611986463
Conc: 44.24 ng/ml



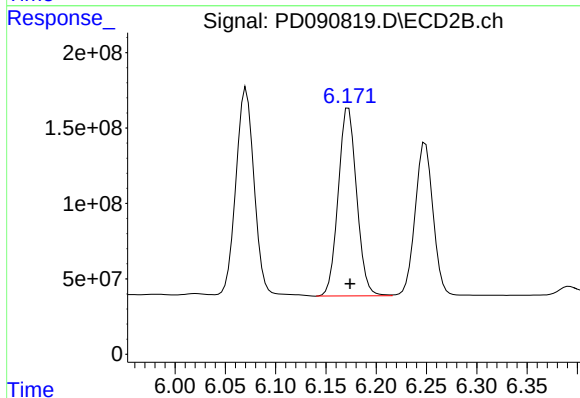
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 196197250
Conc: 47.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

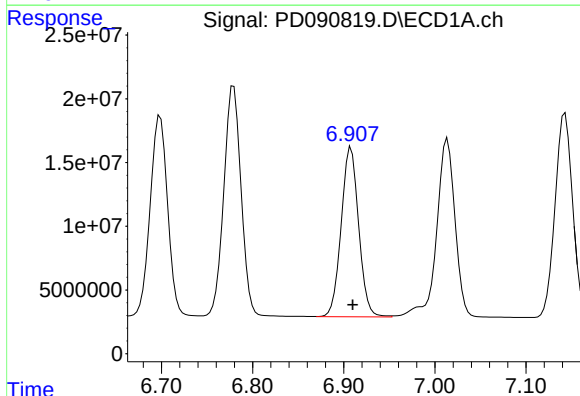
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



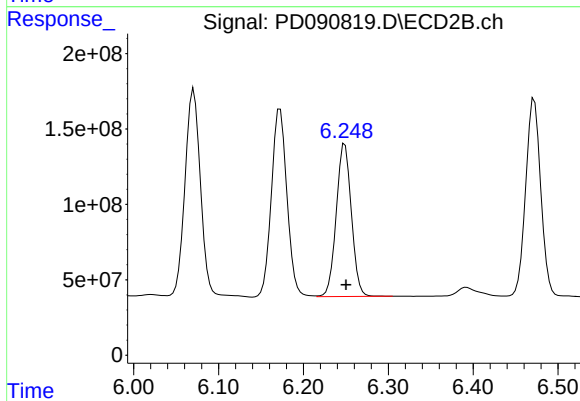
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.001 min
Response: 1587330085
Conc: 45.26 ng/ml



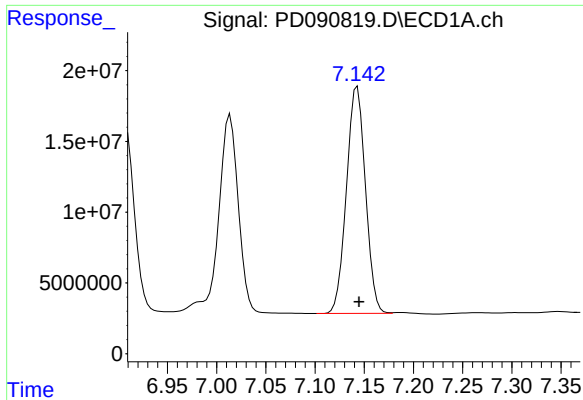
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.002 min
Response: 177267113
Conc: 48.40 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1252285106
Conc: 45.22 ng/ml



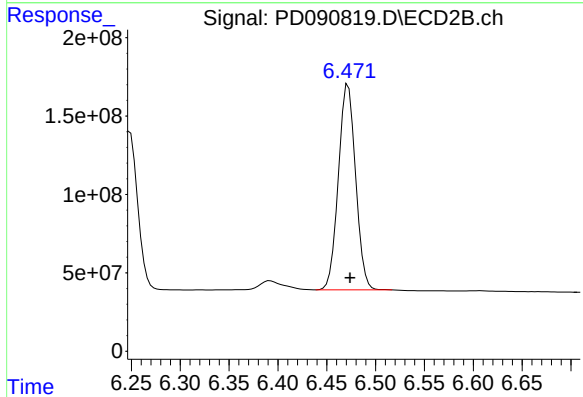
#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.002 min
Response: 215112074
Conc: 46.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

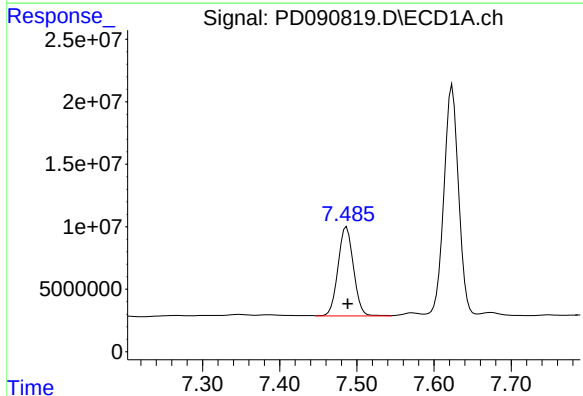
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



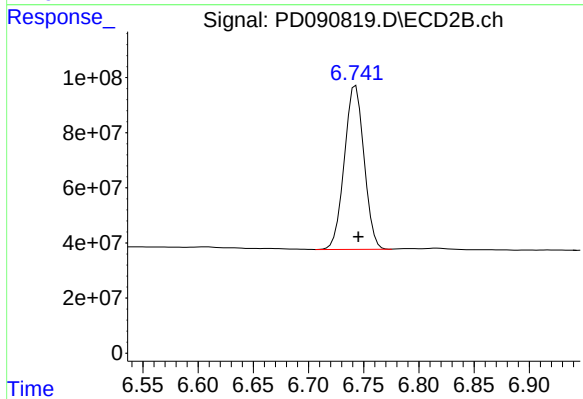
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1610386393
Conc: 44.93 ng/ml



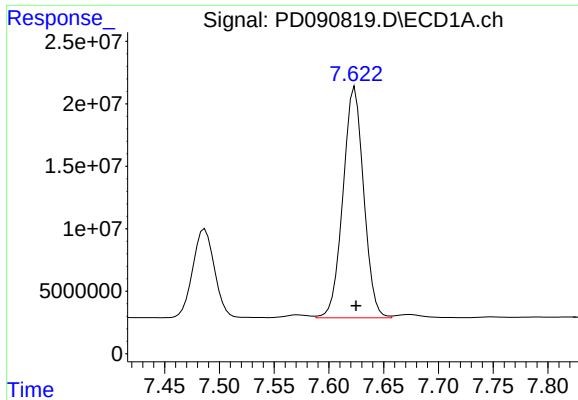
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 99290204
Conc: 46.71 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 736554820
Conc: 42.26 ng/ml



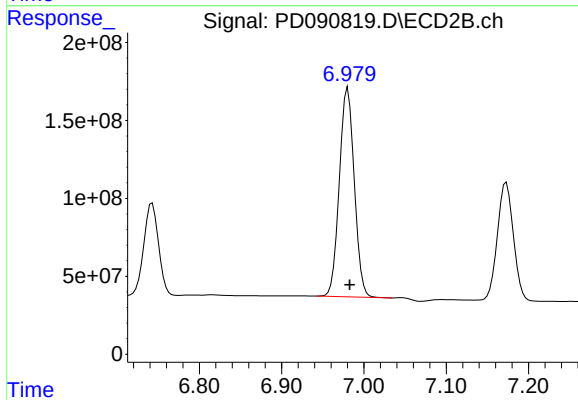
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.001 min
Response: 243175237
Conc: 50.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

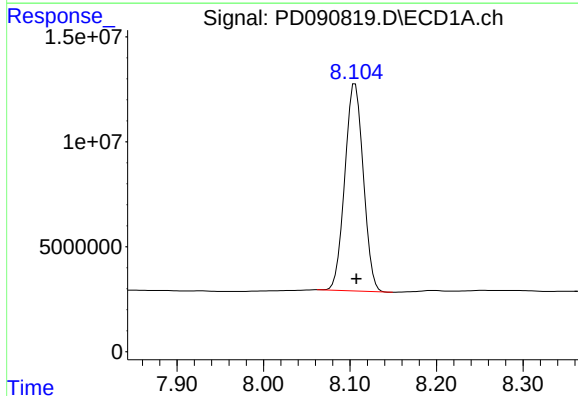
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



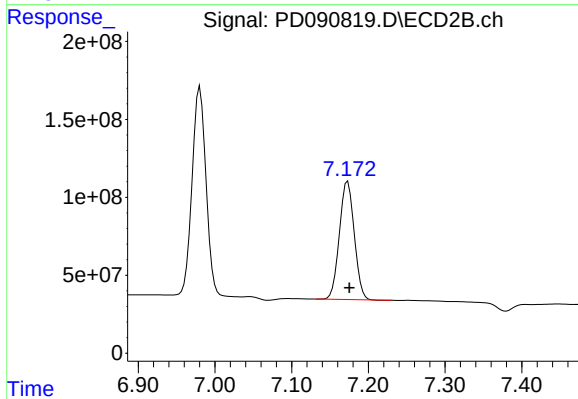
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 1692686283
Conc: 44.88 ng/ml



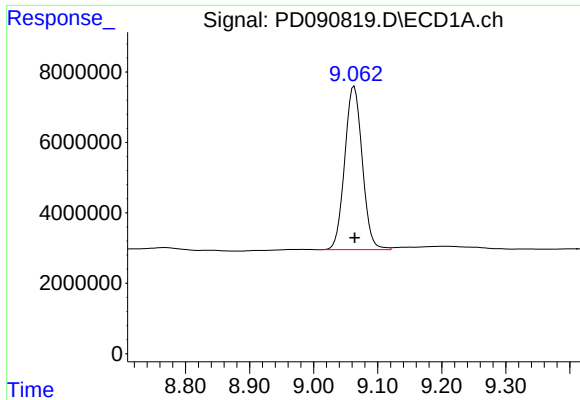
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.002 min
Response: 145886582
Conc: 45.58 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1023122388
Conc: 39.82 ng/ml



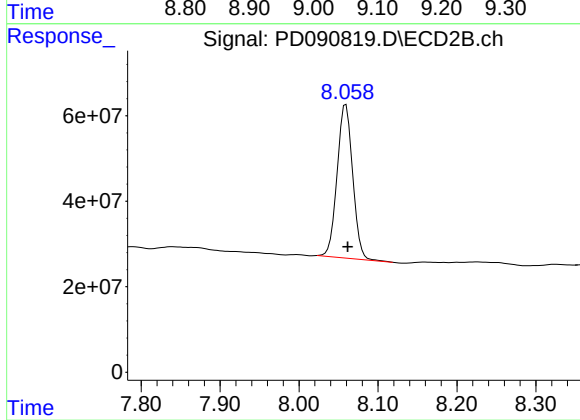
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.000 min
Response: 88154444
Conc: 18.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-10MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.002 min
Response: 491606724
Conc: 16.23 ng/ml

Manual Integration Report

Sequence:	pd101725	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090648.D	Endrin aldehyde	Abdul	10/19/2025 5:20:46 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090648.D	Endrin ketone #2	Abdul	10/19/2025 5:20:46 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
RESCHK	PD090649.D	Tetrachloro-m-xylene	Abdul	10/19/2025 5:20:37 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	alpha-Chlordane	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	Endrin ketone	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	Tetrachloro-m-xylene	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PTOXICV500	PD090667.D	Toxaphene-5 #2	Abdul	10/21/2025 8:49:16 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	4,4"-DDD	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	4,4"-DDD #2	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	Endrin aldehyde	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software

Manual Integration Report

Sequence:	pd102425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090809.D	4,4"-DDD	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PEM	PD090809.D	4,4"-DDD #2	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PEM	PD090809.D	4,4"-DDE	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PEM	PD090809.D	4,4"-DDE #2	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PEM	PD090809.D	Endrin aldehyde	Abdul	10/27/2025 9:11:20 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PSTDCCC050	PD090810.D	Endosulfan II	Abdul	10/27/2025 9:11:01 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3439-05MS	PD090818.D	Tetrachloro-m-xylene	Abdul	10/27/2025 9:10:22 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3439-05MSD	PD090819.D	Tetrachloro-m-xylene	Abdul	10/27/2025 9:10:18 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3447-05	PD090821.D	Tetrachloro-m-xylene	Abdul	10/27/2025 9:10:08 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3447-05	PD090821.D	Tetrachloro-m-xylene #2	Abdul	10/27/2025 9:10:08 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3447-01	PD090822.D	Decachlorobiphenyl	Abdul	10/27/2025 9:11:39 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3447-01	PD090822.D	Decachlorobiphenyl #2	Abdul	10/27/2025 9:11:39 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3447-01	PD090822.D	Tetrachloro-m-xylene	Abdul	10/27/2025 9:11:39 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software

Manual Integration Report

Sequence:	pd102425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3447-01	PD090822.D	Tetrachloro-m-xylene #2	Abdul	10/27/2025 9:11:39 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PSTDCCC050	PD090824.D	Heptachlor epoxide	Abdul	10/27/2025 9:09:55 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3447-07	PD090826.D	Decachlorobiphenyl	Abdul	10/27/2025 9:11:47 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3447-07	PD090826.D	Decachlorobiphenyl #2	Abdul	10/27/2025 9:11:47 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
Q3447-07	PD090826.D	Tetrachloro-m-xylene #2	Abdul	10/27/2025 9:11:47 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software
PSTDCCC050	PD090828.D	Heptachlor epoxide	Abdul	10/27/2025 9:09:13 AM	mohammad	10/28/2025 6:10:48	Peak Integrated by Software

Manual Integration Report

Sequence:	pd102725	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3447-03	PD090833.D	4,4"-DDE	Abdul	10/28/2025 9:28:17 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
Q3447-03	PD090833.D	4,4"-DDT	Abdul	10/28/2025 9:28:17 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
Q3447-03	PD090833.D	Aldrin #2	Abdul	10/28/2025 9:28:17 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
Q3447-03	PD090833.D	Decachlorobiphenyl	Abdul	10/28/2025 9:28:17 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
Q3447-03	PD090833.D	Decachlorobiphenyl #2	Abdul	10/28/2025 9:28:17 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
Q3447-03	PD090833.D	Endosulfan Sulfate	Abdul	10/28/2025 9:28:17 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
Q3447-03	PD090833.D	Endosulfan Sulfate #2	Abdul	10/28/2025 9:28:17 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
Q3447-03	PD090833.D	Tetrachloro-m-xylene #2	Abdul	10/28/2025 9:28:17 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
PEM	PD090853.D	Endrin ketone	Abdul	10/28/2025 9:27:02 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software
PSTDCCC050	PD090854.D	Decachlorobiphenyl #2	Abdul	10/28/2025 9:26:58 AM	mohammad	10/29/2025 5:28:22	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090646.D	17 Oct 2025 10:40	AR\AJ	Ok
2	I.BLK	PD090647.D	17 Oct 2025 10:53	AR\AJ	Ok
3	PEM	PD090648.D	17 Oct 2025 11:07	AR\AJ	Ok,M
4	RESCHK	PD090649.D	17 Oct 2025 11:20	AR\AJ	Ok,M
5	PSTDICC100	PD090650.D	17 Oct 2025 11:34	AR\AJ	Ok
6	PSTDICC075	PD090651.D	17 Oct 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PD090652.D	17 Oct 2025 12:01	AR\AJ	Ok
8	PSTDICC025	PD090653.D	17 Oct 2025 12:15	AR\AJ	Ok
9	PSTDICC005	PD090654.D	17 Oct 2025 12:28	AR\AJ	Ok,M
10	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PD090656.D	17 Oct 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PD090657.D	17 Oct 2025 13:09	AR\AJ	Ok
13	PCHLORICC250	PD090658.D	17 Oct 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PD090659.D	17 Oct 2025 13:36	AR\AJ	Ok,M
15	PTOXICC1000	PD090660.D	17 Oct 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PD090661.D	17 Oct 2025 14:03	AR\AJ	Ok
17	PTOXICC500	PD090662.D	17 Oct 2025 14:17	AR\AJ	Ok
18	PTOXICC250	PD090663.D	17 Oct 2025 14:30	AR\AJ	Ok
19	PTOXICC100	PD090664.D	17 Oct 2025 16:18	AR\AJ	Ok
20	PSTDICV050	PD090665.D	17 Oct 2025 16:46	AR\AJ	Ok
21	PCHLORICV500	PD090666.D	17 Oct 2025 17:50	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD090667.D	17 Oct 2025 18:42	AR\AJ	Ok,M
23	I.BLK	PD090668.D	17 Oct 2025 19:50	AR\AJ	Ok
24	PEM	PD090669.D	17 Oct 2025 20:04	AR\AJ	Ok,M
25	PSTDCCC050	PD090670.D	17 Oct 2025 20:18	AR\AJ	Ok
26	PB170142BL	PD090671.D	17 Oct 2025 20:31	AR\AJ	Ok
27	PB170142BS	PD090672.D	17 Oct 2025 20:45	AR\AJ	Ok
28	Q3366-01	PD090673.D	17 Oct 2025 20:59	AR\AJ	Ok,M
29	Q3366-03	PD090674.D	17 Oct 2025 21:12	AR\AJ	Ok,M
30	Q3367-01	PD090675.D	17 Oct 2025 21:26	AR\AJ	Ok,M
31	Q3369-01	PD090676.D	17 Oct 2025 21:40	AR\AJ	Ok,M
32	Q3369-05	PD090677.D	17 Oct 2025 21:53	AR\AJ	Ok,M
33	Q3363-01	PD090678.D	17 Oct 2025 22:48	AR\AJ	Ok,M
34	Q3363-02	PD090679.D	17 Oct 2025 23:02	AR\AJ	Ok,M
35	Q3363-03	PD090680.D	17 Oct 2025 23:15	AR\AJ	Ok,M
36	Q3363-04	PD090681.D	17 Oct 2025 23:29	AR\AJ	Ok,M
37	Q3363-04MS	PD090682.D	17 Oct 2025 23:43	AR\AJ	Ok,M
38	Q3363-04MSD	PD090683.D	17 Oct 2025 23:56	AR\AJ	Ok,M
39	Q3363-05	PD090684.D	18 Oct 2025 00:10	AR\AJ	Ok,M
40	Q3343-04MS	PD090685.D	18 Oct 2025 00:24	AR\AJ	Ok,M
41	Q3343-04MSD	PD090686.D	18 Oct 2025 00:37	AR\AJ	Ok
42	I.BLK	PD090687.D	18 Oct 2025 00:51	AR\AJ	Ok
43	PSTDCCC050	PD090688.D	18 Oct 2025 02:13	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102425

Review By	Abdul	Review On	10/27/2025 9:12:28 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:48 AM
SubDirectory	PD102425	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	P24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090807.D	24 Oct 2025 09:43	AR\AJ	Ok
2	I.BLK	PD090808.D	24 Oct 2025 09:57	AR\AJ	Ok
3	PEM	PD090809.D	24 Oct 2025 10:10	AR\AJ	Ok,M
4	PSTDCCC050	PD090810.D	24 Oct 2025 10:24	AR\AJ	Ok,M
5	Q3419-02MS	PD090811.D	24 Oct 2025 11:02	AR\AJ	Ok,M
6	Q3419-03MSD	PD090812.D	24 Oct 2025 11:16	AR\AJ	Ok,M
7	PB170235BL	PD090813.D	24 Oct 2025 11:30	AR\AJ	Ok
8	PB170235BS	PD090814.D	24 Oct 2025 11:43	AR\AJ	Ok
9	Q3445-01	PD090815.D	24 Oct 2025 12:37	AR\AJ	Ok,M
10	Q3439-01	PD090816.D	24 Oct 2025 12:50	AR\AJ	Ok,M
11	Q3439-05	PD090817.D	24 Oct 2025 13:04	AR\AJ	Ok,M
12	Q3439-05MS	PD090818.D	24 Oct 2025 13:18	AR\AJ	Ok,M
13	Q3439-05MSD	PD090819.D	24 Oct 2025 13:31	AR\AJ	Ok,M
14	Q3440-01	PD090820.D	24 Oct 2025 13:45	AR\AJ	Ok,M
15	Q3447-05	PD090821.D	24 Oct 2025 13:58	AR\AJ	Ok,M
16	Q3447-01	PD090822.D	24 Oct 2025 14:57	AR\AJ	Ok,M
17	I.BLK	PD090823.D	24 Oct 2025 15:10	AR\AJ	Ok
18	PSTDCCC050	PD090824.D	24 Oct 2025 15:42	AR\AJ	Ok,M
19	Q3447-03	PD090825.D	24 Oct 2025 16:24	AR\AJ	Not Ok
20	Q3447-07	PD090826.D	24 Oct 2025 16:38	AR\AJ	Ok,M
21	I.BLK	PD090827.D	24 Oct 2025 16:51	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102425

Review By	Abdul	Review On	10/27/2025 9:12:28 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:48 AM
SubDirectory	PD102425	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	P24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PSTDCCC050	PD090828.D	24 Oct 2025 18:14	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102725

Review By	Abdul	Review On	10/28/2025 9:31:57 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:22 AM
SubDirectory	PD102725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090829.D	27 Oct 2025 09:05	AR\AJ	Ok
2	I.BLK	PD090830.D	27 Oct 2025 09:19	AR\AJ	Ok
3	PEM	PD090831.D	27 Oct 2025 09:32	AR\AJ	Ok
4	PSTDCCC050	PD090832.D	27 Oct 2025 10:30	AR\AJ	Ok
5	Q3447-03	PD090833.D	27 Oct 2025 10:54	AR\AJ	Ok,M
6	Q3447-03	PD090834.D	27 Oct 2025 11:44	AR\AJ	Not Ok
7	PB170257BL	PD090835.D	27 Oct 2025 12:56	AR\AJ	Ok
8	PB170257BS	PD090836.D	27 Oct 2025 13:45	AR\AJ	Ok,M
9	Q3449-01	PD090837.D	27 Oct 2025 13:58	AR\AJ	Ok,M
10	Q3457-01	PD090838.D	27 Oct 2025 14:12	AR\AJ	Ok,M
11	Q3460-01	PD090839.D	27 Oct 2025 14:26	AR\AJ	Ok,M
12	Q3460-05	PD090840.D	27 Oct 2025 14:39	AR\AJ	Ok,M
13	Q3460-09	PD090841.D	27 Oct 2025 14:53	AR\AJ	Ok,M
14	Q3460-13	PD090842.D	27 Oct 2025 15:07	AR\AJ	Ok,M
15	Q3460-17	PD090843.D	27 Oct 2025 15:20	AR\AJ	Ok,M
16	I.BLK	PD090844.D	27 Oct 2025 15:48	AR\AJ	Ok
17	PSTDCCC050	PD090845.D	27 Oct 2025 16:45	AR\AJ	Ok
18	Q3449-06	PD090846.D	27 Oct 2025 16:58	AR\AJ	Ok,M
19	Q3451-01	PD090847.D	27 Oct 2025 17:12	AR\AJ	Ok,M
20	Q3451-01MS	PD090848.D	27 Oct 2025 17:26	AR\AJ	Ok,M
21	Q3451-01MSD	PD090849.D	27 Oct 2025 17:39	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102725

Review By	Abdul	Review On	10/28/2025 9:31:57 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:22 AM
SubDirectory	PD102725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3451-05	PD090850.D	27 Oct 2025 17:53	AR\AJ	Ok,M
23	Q3452-01	PD090851.D	27 Oct 2025 18:07	AR\AJ	Ok,M
24	I.BLK	PD090852.D	27 Oct 2025 18:20	AR\AJ	Ok
25	PEM	PD090853.D	27 Oct 2025 18:34	AR\AJ	Ok,M
26	PSTDCCC050	PD090854.D	27 Oct 2025 18:48	AR\AJ	Ok,M
27	PB170270BL	PD090855.D	27 Oct 2025 19:42	AR\AJ	Not Ok
28	PB170270BS	PD090856.D	27 Oct 2025 19:56	AR\AJ	Not Ok
29	PB170239TB	PD090857.D	27 Oct 2025 20:10	AR\AJ	Not Ok
30	Q3447-02	PD090858.D	27 Oct 2025 20:23	AR\AJ	Not Ok
31	Q3447-02MS	PD090859.D	27 Oct 2025 20:37	AR\AJ	Not Ok
32	Q3447-02MSD	PD090860.D	27 Oct 2025 20:51	AR\AJ	Not Ok
33	Q3447-04	PD090861.D	27 Oct 2025 21:05	AR\AJ	Not Ok
34	Q3447-06	PD090862.D	27 Oct 2025 21:18	AR\AJ	Not Ok
35	Q3447-08	PD090863.D	27 Oct 2025 21:32	AR\AJ	Not Ok
36	I.BLK	PD090864.D	27 Oct 2025 21:59	AR\AJ	Ok
37	PSTDCCC050	PD090865.D	27 Oct 2025 22:13	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090646.D	17 Oct 2025 10:40		AR\AJ	Ok
2	I.BLK	I.BLK	PD090647.D	17 Oct 2025 10:53		AR\AJ	Ok
3	PEM	PEM	PD090648.D	17 Oct 2025 11:07		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090649.D	17 Oct 2025 11:20		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PD090650.D	17 Oct 2025 11:34		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090651.D	17 Oct 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090652.D	17 Oct 2025 12:01		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090653.D	17 Oct 2025 12:15		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090654.D	17 Oct 2025 12:28		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090656.D	17 Oct 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090657.D	17 Oct 2025 13:09		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090658.D	17 Oct 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090659.D	17 Oct 2025 13:36		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090660.D	17 Oct 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090661.D	17 Oct 2025 14:03		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090662.D	17 Oct 2025 14:17		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090663.D	17 Oct 2025 14:30		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD090664.D	17 Oct 2025 16:18		AR\AJ	Ok
20	PSTDICV050	ICVPD101725	PD090665.D	17 Oct 2025 16:46		AR\AJ	Ok
21	PCHLORICV500	ICVPD101725CHLOR	PD090666.D	17 Oct 2025 17:50		AR\AJ	Ok
22	PTOXICV500	ICVPD101725TOX	PD090667.D	17 Oct 2025 18:42		AR\AJ	Ok,M
23	I.BLK	I.BLK	PD090668.D	17 Oct 2025 19:50		AR\AJ	Ok
24	PEM	PEM	PD090669.D	17 Oct 2025 20:04		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD090670.D	17 Oct 2025 20:18		AR\AJ	Ok
26	PB170142BL	PB170142BL	PD090671.D	17 Oct 2025 20:31		AR\AJ	Ok
27	PB170142BS	PB170142BS	PD090672.D	17 Oct 2025 20:45		AR\AJ	Ok
28	Q3366-01	TR-06-101625	PD090673.D	17 Oct 2025 20:59		AR\AJ	Ok,M
29	Q3366-03	TR-1-101625	PD090674.D	17 Oct 2025 21:12		AR\AJ	Ok,M
30	Q3367-01	BU-03-101625	PD090675.D	17 Oct 2025 21:26		AR\AJ	Ok,M
31	Q3369-01	MH-22	PD090676.D	17 Oct 2025 21:40		AR\AJ	Ok,M
32	Q3369-05	MH-21	PD090677.D	17 Oct 2025 21:53		AR\AJ	Ok,M
33	Q3363-01	PR132-SO1-085011-20	PD090678.D	17 Oct 2025 22:48		AR\AJ	Ok,M
34	Q3363-02	PR132-SO1-039085-20	PD090679.D	17 Oct 2025 23:02		AR\AJ	Ok,M
35	Q3363-03	PR132-SO3-028010-20	PD090680.D	17 Oct 2025 23:15		AR\AJ	Ok,M
36	Q3363-04	PR132-SO3-010013-20	PD090681.D	17 Oct 2025 23:29		AR\AJ	Ok,M
37	Q3363-04MS	PR132-SO3-010013-20	PD090682.D	17 Oct 2025 23:43		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q3363-04MSD	PR132-SO3-010013-20	PD090683.D	17 Oct 2025 23:56		AR\AJ	Ok,M
39	Q3363-05	COMP01-20251015	PD090684.D	18 Oct 2025 00:10		AR\AJ	Ok,M
40	Q3343-04MS	SOIL-ROLLOFF-WC-11	PD090685.D	18 Oct 2025 00:24		AR\AJ	Ok,M
41	Q3343-04MSD	SOIL-ROLLOFF-WC-11	PD090686.D	18 Oct 2025 00:37		AR\AJ	Ok
42	I.BLK	I.BLK	PD090687.D	18 Oct 2025 00:51		AR\AJ	Ok
43	PSTDCCC050	PSTDCCC050	PD090688.D	18 Oct 2025 02:13		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102425

Review By	Abdul	Review On	10/27/2025 9:12:28 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:48 AM
SubDirectory	PD102425	HP Acquire Method	HP Processing Method pd101725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	P24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090807.D	24 Oct 2025 09:43		AR\AJ	Ok
2	I.BLK	I.BLK	PD090808.D	24 Oct 2025 09:57		AR\AJ	Ok
3	PEM	PEM	PD090809.D	24 Oct 2025 10:10		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090810.D	24 Oct 2025 10:24		AR\AJ	Ok,M
5	Q3419-02MS	PR-132-S16-015094-20	PD090811.D	24 Oct 2025 11:02	Endosulfan Sulfate recovery fail	AR\AJ	Ok,M
6	Q3419-03MSD	PR-132-S16-015094-20	PD090812.D	24 Oct 2025 11:16	Endosulfan Sulfate recovery fail	AR\AJ	Ok,M
7	PB170235BL	PB170235BL	PD090813.D	24 Oct 2025 11:30		AR\AJ	Ok
8	PB170235BS	PB170235BS	PD090814.D	24 Oct 2025 11:43		AR\AJ	Ok
9	Q3445-01	EO-01-102325	PD090815.D	24 Oct 2025 12:37		AR\AJ	Ok,M
10	Q3439-01	TP-9	PD090816.D	24 Oct 2025 12:50		AR\AJ	Ok,M
11	Q3439-05	TP-10	PD090817.D	24 Oct 2025 13:04		AR\AJ	Ok,M
12	Q3439-05MS	TP-10MS	PD090818.D	24 Oct 2025 13:18		AR\AJ	Ok,M
13	Q3439-05MSD	TP-10MSD	PD090819.D	24 Oct 2025 13:31		AR\AJ	Ok,M
14	Q3440-01	JB-2	PD090820.D	24 Oct 2025 13:45		AR\AJ	Ok,M
15	Q3447-05	P001-TW3-251023-01	PD090821.D	24 Oct 2025 13:58		AR\AJ	Ok,M
16	Q3447-01	P001-TW1-251023-01	PD090822.D	24 Oct 2025 14:57		AR\AJ	Ok,M
17	I.BLK	I.BLK	PD090823.D	24 Oct 2025 15:10		AR\AJ	Ok
18	PSTDCCC050	PSTDCCC050	PD090824.D	24 Oct 2025 15:42		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102425

Review By	Abdul	Review On	10/27/2025 9:12:28 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:48 AM
SubDirectory	PD102425	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	P24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3447-03	P001-TW2-251023-01	PD090825.D	24 Oct 2025 16:24	F Flag in dcb in 1st column , DCB high in 1st column	AR\AJ	Not Ok
20	Q3447-07	P001-TW4-251023-01	PD090826.D	24 Oct 2025 16:38	DCB high in 1st column	AR\AJ	Ok,M
21	I.BLK	I.BLK	PD090827.D	24 Oct 2025 16:51		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PD090828.D	24 Oct 2025 18:14	Comp#4 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102725

Review By	Abdul	Review On	10/28/2025 9:31:57 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:22 AM
SubDirectory	PD102725	HP Acquire Method	HP Processing Method pd101725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090829.D	27 Oct 2025 09:05		AR\AJ	Ok
2	I.BLK	I.BLK	PD090830.D	27 Oct 2025 09:19		AR\AJ	Ok
3	PEM	PEM	PD090831.D	27 Oct 2025 09:32		AR\AJ	Ok
4	PSTDCCC050	PSTDCCC050	PD090832.D	27 Oct 2025 10:30		AR\AJ	Ok
5	Q3447-03	P001-TW2-251023-01	PD090833.D	27 Oct 2025 10:54	F Flag in dcb in 1st column , DCB high in 1st column	AR\AJ	Ok,M
6	Q3447-03	P001-TW2-251023-01	PD090834.D	27 Oct 2025 11:44	F Flag in dcb in 1st column ,DCB high in 1st column	AR\AJ	Not Ok
7	PB170257BL	PB170257BL	PD090835.D	27 Oct 2025 12:56		AR\AJ	Ok
8	PB170257BS	PB170257BS	PD090836.D	27 Oct 2025 13:45		AR\AJ	Ok,M
9	Q3449-01	CF-620-COMP-41	PD090837.D	27 Oct 2025 13:58		AR\AJ	Ok,M
10	Q3457-01	TR-05-102425	PD090838.D	27 Oct 2025 14:12		AR\AJ	Ok,M
11	Q3460-01	WC-1	PD090839.D	27 Oct 2025 14:26		AR\AJ	Ok,M
12	Q3460-05	WC-2	PD090840.D	27 Oct 2025 14:39		AR\AJ	Ok,M
13	Q3460-09	WC-3	PD090841.D	27 Oct 2025 14:53		AR\AJ	Ok,M
14	Q3460-13	WC-4	PD090842.D	27 Oct 2025 15:07		AR\AJ	Ok,M
15	Q3460-17	WC-5	PD090843.D	27 Oct 2025 15:20		AR\AJ	Ok,M
16	I.BLK	I.BLK	PD090844.D	27 Oct 2025 15:48		AR\AJ	Ok
17	PSTDCCC050	PSTDCCC050	PD090845.D	27 Oct 2025 16:45		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102725

Review By	Abdul	Review On	10/28/2025 9:31:57 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:22 AM
SubDirectory	PD102725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q3449-06	CF-620-COMP-41	PD090846.D	27 Oct 2025 16:58		AR\AJ	Ok,M
19	Q3451-01	TP-11	PD090847.D	27 Oct 2025 17:12		AR\AJ	Ok,M
20	Q3451-01MS	TP-11MS	PD090848.D	27 Oct 2025 17:26		AR\AJ	Ok,M
21	Q3451-01MSD	TP-11MSD	PD090849.D	27 Oct 2025 17:39		AR\AJ	Ok,M
22	Q3451-05	TP-12	PD090850.D	27 Oct 2025 17:53		AR\AJ	Ok,M
23	Q3452-01	JB-1	PD090851.D	27 Oct 2025 18:07		AR\AJ	Ok,M
24	I.BLK	I.BLK	PD090852.D	27 Oct 2025 18:20		AR\AJ	Ok
25	PEM	PEM	PD090853.D	27 Oct 2025 18:34		AR\AJ	Ok,M
26	PSTDCCC050	PSTDCCC050	PD090854.D	27 Oct 2025 18:48		AR\AJ	Ok,M
27	PB170270BL	PB170270BL	PD090855.D	27 Oct 2025 19:42	END CCC Fail	AR\AJ	Not Ok
28	PB170270BS	PB170270BS	PD090856.D	27 Oct 2025 19:56	Heptachlor recovery fail , END CCC Fail	AR\AJ	Not Ok
29	PB170239TB	PB170239TB	PD090857.D	27 Oct 2025 20:10	END CCC Fail	AR\AJ	Not Ok
30	Q3447-02	P001-TW1-251023-01	PD090858.D	27 Oct 2025 20:23	END CCC Fail	AR\AJ	Not Ok
31	Q3447-02MS	P001-TW1-251023-01M	PD090859.D	27 Oct 2025 20:37	END CCC Fail	AR\AJ	Not Ok
32	Q3447-02MSD	P001-TW1-251023-01M	PD090860.D	27 Oct 2025 20:51	END CCC Fail	AR\AJ	Not Ok
33	Q3447-04	P001-TW2-251023-01	PD090861.D	27 Oct 2025 21:05	END CCC Fail	AR\AJ	Not Ok
34	Q3447-06	P001-TW3-251023-01	PD090862.D	27 Oct 2025 21:18	END CCC Fail	AR\AJ	Not Ok
35	Q3447-08	P001-TW4-251023-01	PD090863.D	27 Oct 2025 21:32	END CCC Fail	AR\AJ	Not Ok
36	I.BLK	I.BLK	PD090864.D	27 Oct 2025 21:59		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102725

Review By	Abdul	Review On	10/28/2025 9:31:57 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:22 AM
SubDirectory	PD102725	HP Acquire Method	HP Processing Method pd101725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	PSTDCCC050	PSTDCCC050	PD090865.D	27 Oct 2025 22:13	DCB high in both column , Comp#4 high in 1st column	AR\AJ	Not Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/24/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137624

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
Q3399-03	COMP-ROLLOFF	15	1.15	10.96	12.11	11.00	89.9	
Q3437-03	SS-15R(2.0-2.5)	1	1.18	10.46	11.64	10.32	87.4	
Q3437-05	SS-26(0-0.5)	2	1.16	10.19	11.35	10.17	88.4	
Q3437-11	SS-27(0-0.5)	3	1.17	10.34	11.51	10.85	93.6	
Q3437-14	SS-25(0-0.5)	4	1.11	10.33	11.44	10.34	89.4	
Q3437-16	SS-23(0-0.5)	5	1.13	10.84	11.97	11.26	93.5	
Q3439-01	TP-9	6	1.18	10.29	11.47	10.55	91.1	
Q3439-02	TP-9-EPH	7	1.19	10.61	11.8	10.87	91.2	
Q3439-03	TP-9-VOC	8	1.18	10.14	11.32	10.41	91.0	
Q3439-05	TP-10	9	1.15	10.60	11.75	10.82	91.2	
Q3439-06	TP-10-EPH	10	1.19	10.17	11.36	10.44	91.0	
Q3439-07	TP-10-VOC	11	1.18	10.31	11.49	10.37	89.1	
Q3440-01	JB-2	12	1.13	11.32	12.45	10.38	81.7	
Q3440-02	JB-2-EPH	13	1.17	10.42	11.59	9.79	82.7	
Q3440-03	JB-2-VOC	14	1.13	8.36	9.49	8.14	83.9	
Q3445-01	EO-01-102325	16	1.14	10.46	11.6	10.74	91.8	
Q3445-02	EO-01-102325-E2	17	1.16	10.40	11.56	10.57	90.5	
Q3446-01	SB-14	18	1.11	10.00	11.11	10.82	97.1	
Q3446-02	SB-15	19	1.14	10.54	11.68	11.64	99.6	
Q3446-03	SB-16	20	1.19	10.31	11.5	11.44	99.4	
Q3446-04	SB-17	21	1.19	10.13	11.32	11.27	99.5	
Q3446-05	SB-18	22	1.19	10.53	11.72	11.67	99.5	
Q3446-06	SB-19	23	1.15	10.44	11.59	11.32	97.4	
Q3446-07	SB-20	24	1.16	10.50	11.66	11.6	99.4	
Q3446-08	SB-21	25	1.14	10.08	11.22	10.9	96.8	
Q3447-01	P001-TW1-251023-01	26	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q3447-03	P001-TW2-251023-01	27	1.19	10.43	11.62	10.75	91.7	
Q3447-05	P001-TW3-251023-01	28	1.18	10.70	11.88	11.64	97.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/24/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137624

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
Q3447-07	P001-TW4-251023-01	29	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE

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

WORKLIST(Hardcopy Internal Chain)

10/23/25

WorkList Name : %1-102325

WorkList ID : 192629

Department : Wet-Chemistry

Date : 10-23-2025 08:26:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3399-03	COMP-ROLLOFF	Solid	Percent Solids	Cool 4 deg C	ICES02	D41	10/20/2025	Chemtech -SO
Q3437-03	SS-15R(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-05	SS-26(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-11	SS-27(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-14	SS-25(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-16	SS-23(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3439-01	TP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-02	TP-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-03	TP-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3439-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3440-01	JB-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3440-02	JB-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3440-03	JB-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3445-01	EO-01-102325	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/22/2025	Chemtech -SO
Q3445-02	EO-01-102325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/23/2025	Chemtech -SO
Q3446-01	SB-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-02	SB-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-03	SB-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-04	SB-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO

Date/Time 10/23/25 15:00

Raw Sample Received by: JH (wlc)

Raw Sample Relinquished by: JH (sm)

Date/Time 10/23/25

Raw Sample Received by: JH (sm)

Raw Sample Relinquished by: JH (wlc)

WORKLIST(Hardcopy Internal Chain)

10137624

WorkList Name : %1-102325

WorkList ID : 192629

Department : Wet-Chemistry

Date : 10-23-2025 08:26:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3446-05	SB-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-06	SB-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-07	SB-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-08	SB-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3447-01	P001-TW1-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-03	P001-TW2-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-05	P001-TW3-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-07	P001-TW4-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO

Date/Time 10/23/25 15:00
 Raw Sample Received by: JB WCC
 Raw Sample Relinquished by: CP (SM)

Date/Time 10/23/25 17:30
 Raw Sample Received by: CP (SM)
 Raw Sample Relinquished by: JB WCC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH **Extraction By:** RJ

Balance check: EH **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Start Date : 10/23/2025

Extraction Start Time : 15:06

Extraction End Date : 10/23/2025

Extraction End Time : 18:20

Concentration By: EH

Supervisor By : RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
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	EP2643
Baked Na2SO4	N/A	EP2652
Sand	N/A	E3951
Hexane	N/A	E3978
Florisil	N/A	E3976
9:1 Hexane:Acetone Mixture	N/A	EP2644
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 # 03-40BTS721. Q3447-07 used Limited volume as sample is tar matrix.

KD Bath ID: N/A **Envap ID:** N-EVAP-02

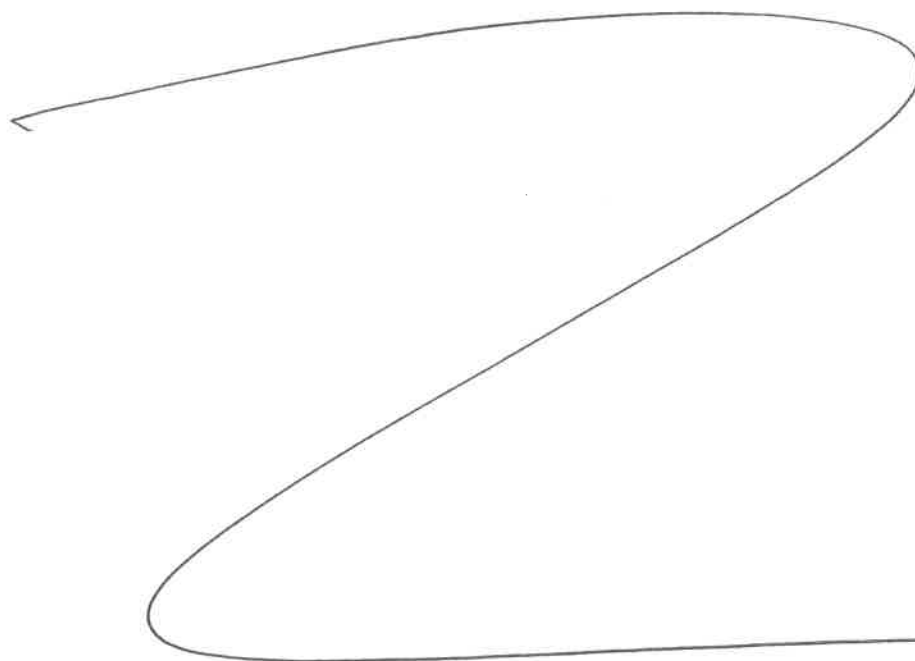
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/25	RS (Ext Lab)	RS Post/PLC
18:25	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/23/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170235BL	PBLK235	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U1-1
PB170235BS	PLCS235	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			2
Q3439-01	TP-9	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q3439-05	TP-10	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q3439-05MS	TP-10MS	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q3439-05MS D	TP-10MSD	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		6
Q3440-01	JB-2	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		U2-1
Q3445-01	EO-01-102325	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		2
Q3447-01	P001-TW1-251023-01	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E	Oily Mat.	3
Q3447-03	P001-TW2-251023-01	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E	Oily Mat.	4
Q3447-05	P001-TW3-251023-01	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E	Tar Mat.	5
Q3447-07	P001-TW4-251023-01	Pesticide-TCL	10.05	N/A	ritesh	Evelyn	10	E	Tar Mat.	6



RS
10/23

170235
15:06

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3439

WorkList ID : 192649

Department : Extraction

Date : 10-23-2025 15:01:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3439-01	TP-9	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/22/2025	8081B
Q3439-05	TP-10	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/23/2025	8081B
Q3440-01	JB-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/22/2025	8081B
Q3445-01	EO-01-102325	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	10/23/2025	8081B
Q3447-01	P001-TW1-251023-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	D41	10/23/2025	8081B
Q3447-03	P001-TW2-251023-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	D41	10/23/2025	8081B
Q3447-05	P001-TW3-251023-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	D41	10/23/2025	8081B
Q3447-07	P001-TW4-251023-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	D41	10/23/2025	8081B

Date/Time 10/23/25 15:01

Raw Sample Received by: RJ (Ext Lab)

Raw Sample Relinquished by: CP SM

Date/Time 10/23/25 15:39

Raw Sample Received by: CP SM

Raw Sample Relinquished by: RJ (Ext Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q3447

Test : Pesticide-TCL

Prepbatch ID : PB170235,

Sequence ID/Qc Batch ID: pd102425,pd102725,

Standard ID :

EP2643,EP2652,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

Chemical ID :

E3875,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3976,E3978,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,P24754,P9053,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel
09/16/2025								

FROM 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2	None	Riteshkumar Patel
(EX-SC-2)								

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of PP24749 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24766	07/28/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								08/19/2025

FROM 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
758	PEM Mix w/Surr	PP24942	09/24/2025	03/24/2026	Abdul Mirza	None	None	Yogesh Patel
								10/10/2025

FROM 1.00000ml of P13780 + 99.00000ml of E3971 = Final Quantity: 100.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M07456	04/03/2026	10/03/2025 / Evelyn	10/03/2025 / Evelyn	E3976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32074 / Pesticide Performance Evaluation Mix w/Surrogate	A0213999	03/24/2026	09/24/2025 / Abdul	11/19/2024 / Ankita	P13780

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001



Recd. by RI on 6/11/25

E3941

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.
 *Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E 3955

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**[™]



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Cleanert Florisil

1g/6ml 30/pkg

LOT#:M07456

MFG#:G02147

CAT#FS0006



固相萃取产品

Made in China

Agela Technologies

E 3976



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
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 P13043
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 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

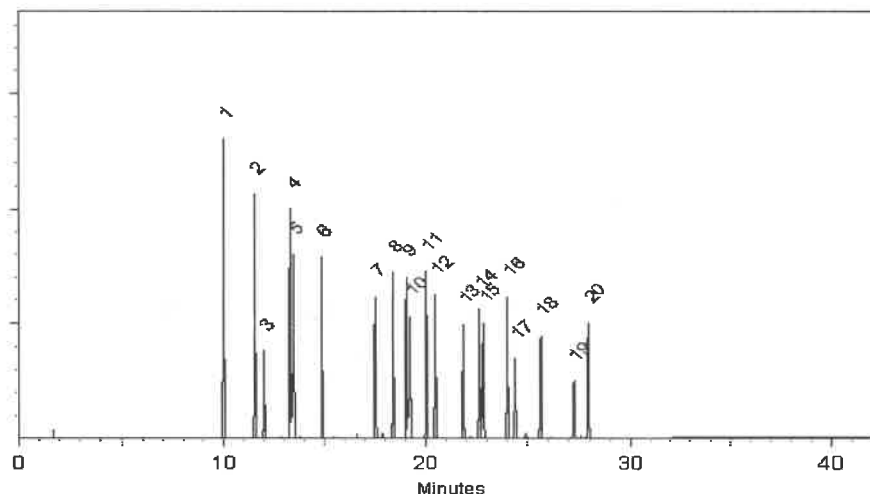
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone
Lot#: 81025

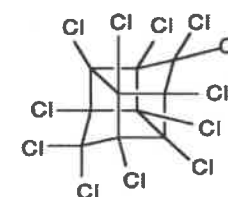
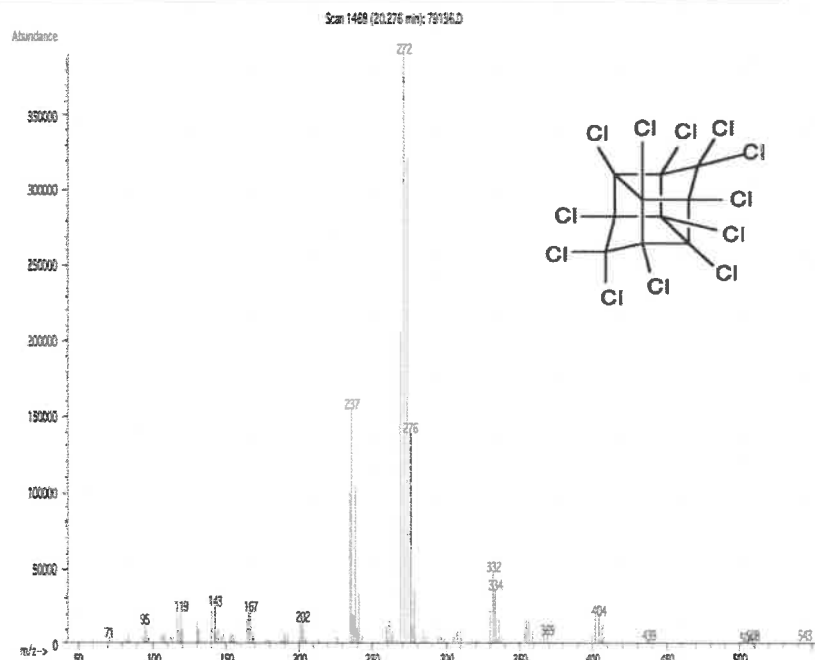
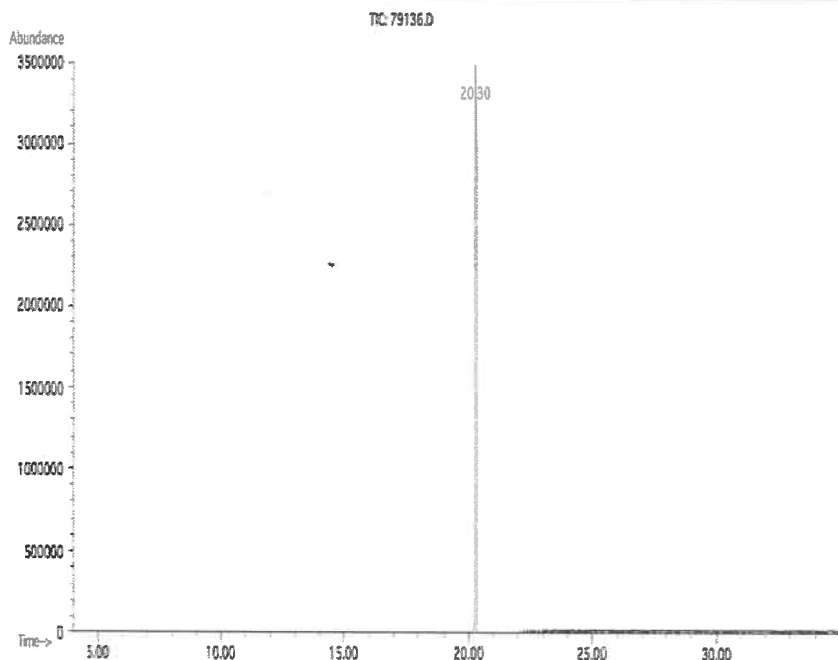
Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

		042022
Formulated By:	Prashant Chauhan	DATE
		042022
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
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P13199
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(5)
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W. H. H. H.
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

P 12603
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P 12605
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7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

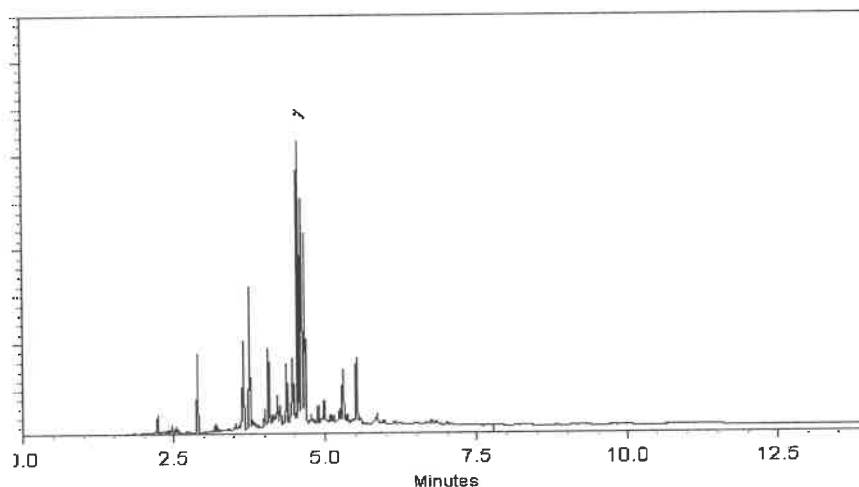
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

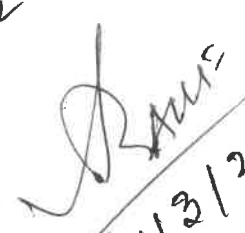
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32021 Lot No.: A0197993
Description: Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: August 31, 2029 Storage: 10°C or colder
Ship: Ambient

Handwritten: P 12606
P 12610
5 Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. { hold 10 min.}

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

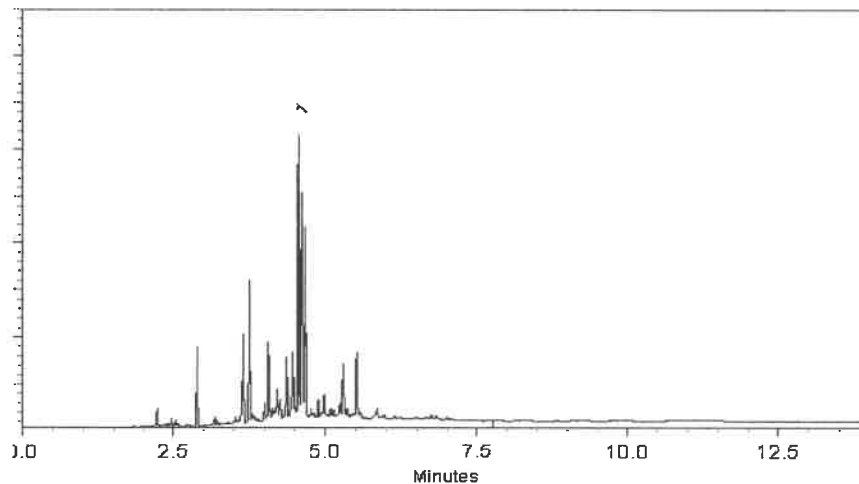
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291

Lot No.: A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2027

Storage: 10°C or colder

Ship: Ambient

P 13034
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P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
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12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

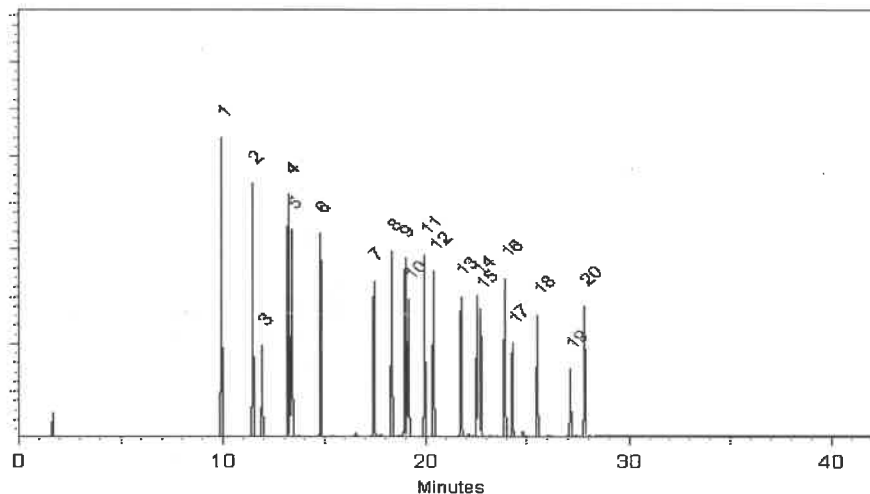
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
 ↓
 02/9/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	—%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13773
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P13779
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11/19/24

05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

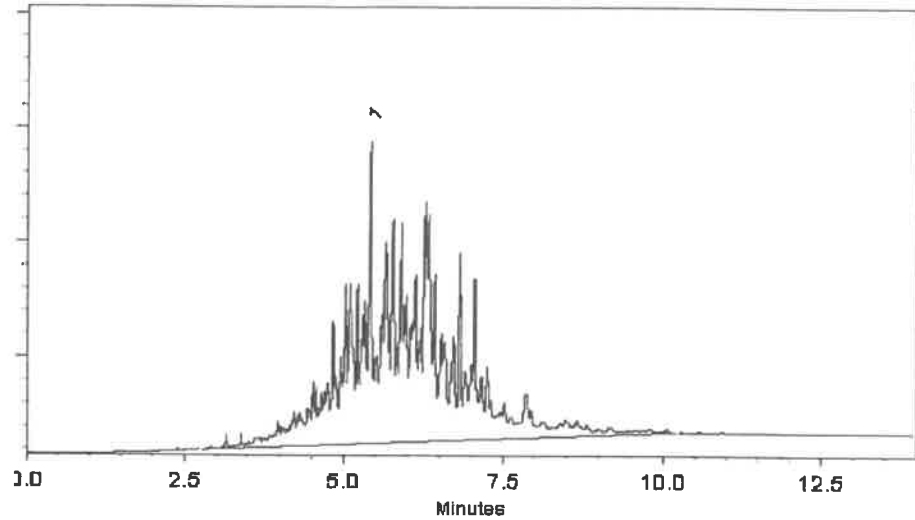
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

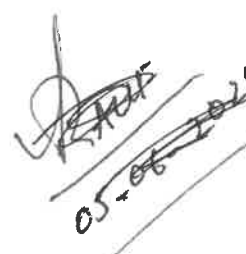
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397


P13338
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P13389
P13773
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P13779
AJ
11/19/24
05-06-2024



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32074 **Lot No.:** A0213999

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13780
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P13784
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	2.0 µg/mL	+/- 0.1506
2	alpha-BHC	319-84-6	15279000	99%	1.0 µg/mL	+/- 0.0749
3	gamma-BHC (Lindane)	58-89-9	14931300	97%	1.0 µg/mL	+/- 0.0756
4	beta-BHC	319-85-7	BCCC6425	99%	1.0 µg/mL	+/- 0.0749
5	Endrin	72-20-8	15076100	98%	5.0 µg/mL	+/- 0.3769
6	4,4'-DDT	50-29-3	231103JLM	97%	10.0 µg/mL	+/- 0.7512
7	Methoxychlor	72-43-5	14979500	98%	24.8 µg/mL	+/- 1.8543
8	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	2.0 µg/mL	+/- 0.1513

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

300°C

Det. Type:

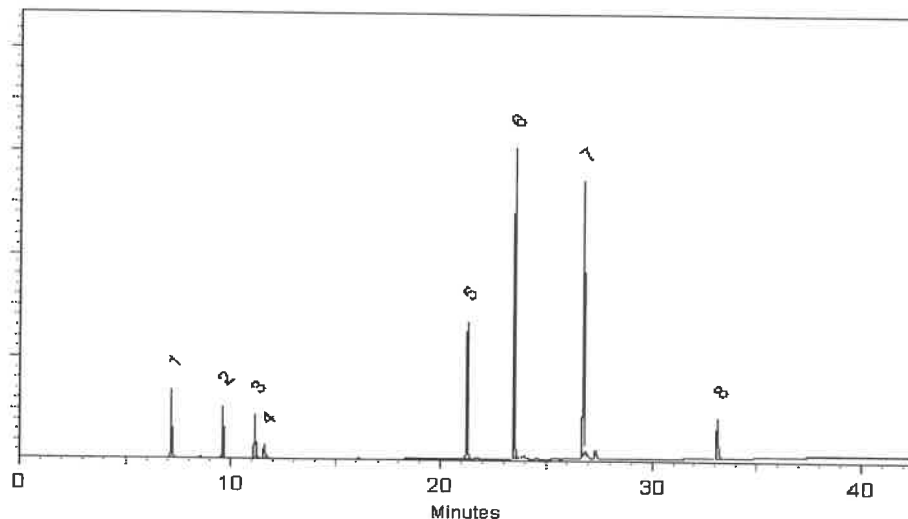
ECD

Split Vent:

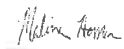
Split ratio 50:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

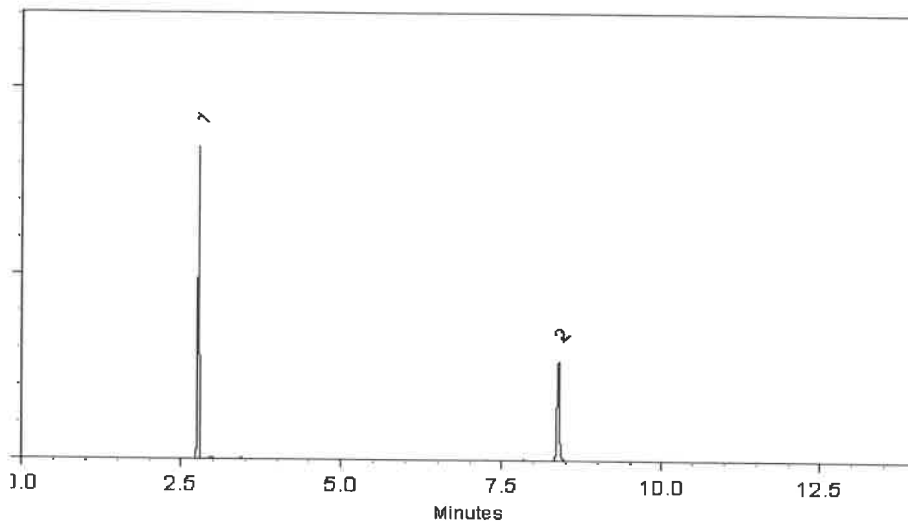
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

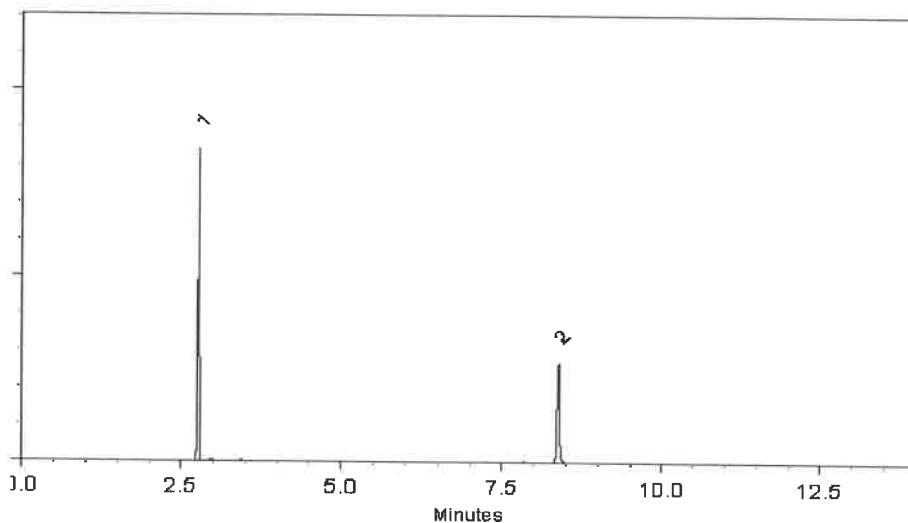
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

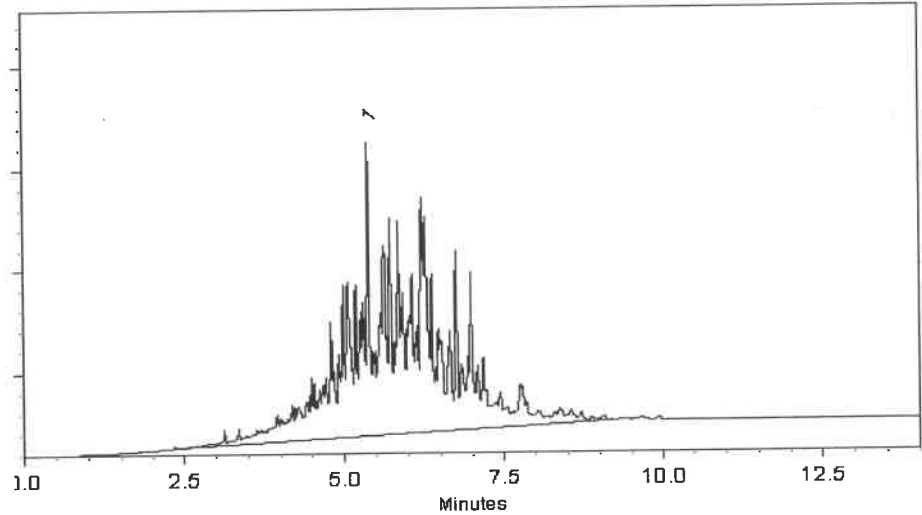
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**

Solvent(s):
Methylene chloride
Lot#: **102669**

Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**

Weight(s) shown below were combined and diluted to (mL):

200.0

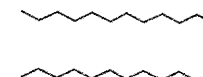
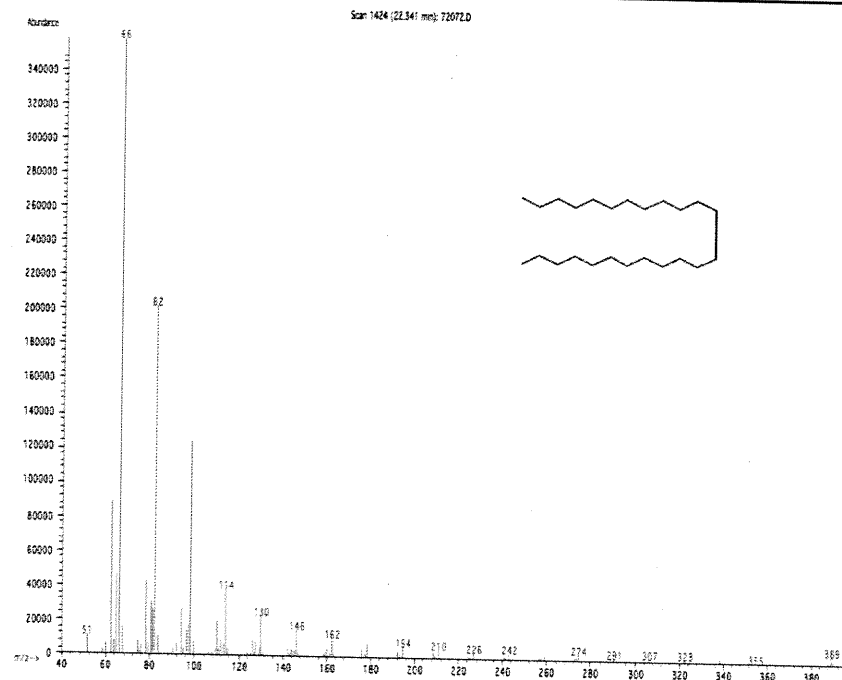
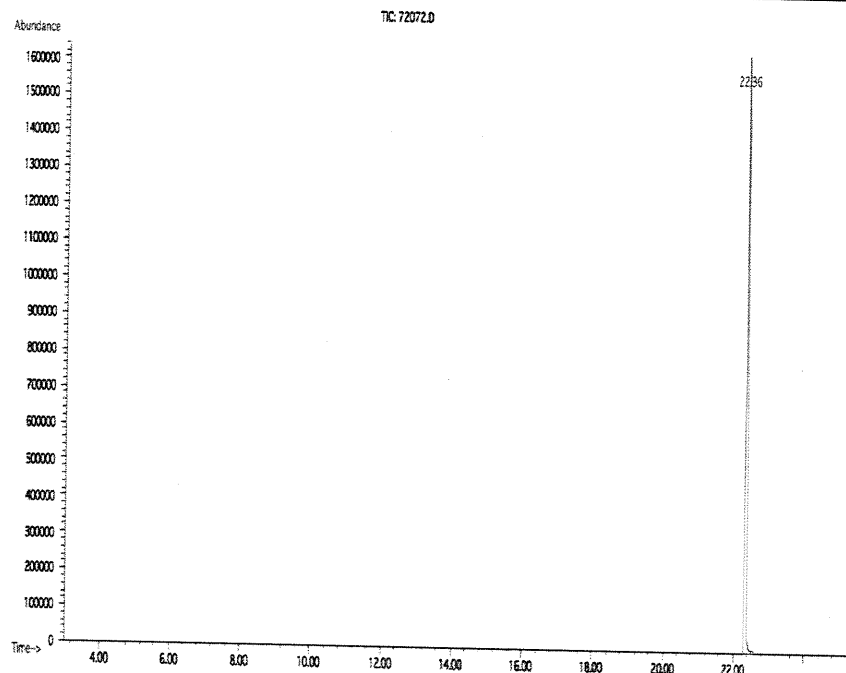
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Received by
SG on 11/1/19
P9044 - P9053

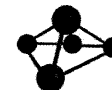
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

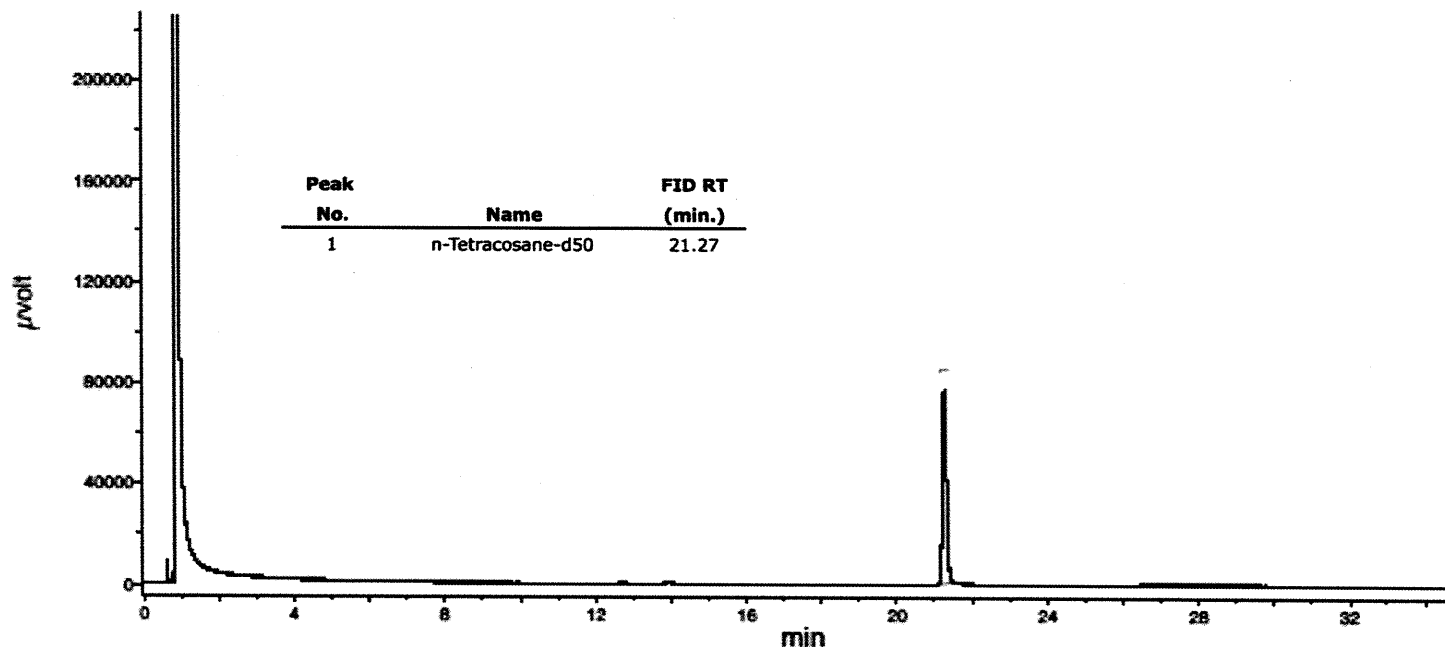
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090834.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 11:44
 Operator : AR\AJ
 Sample : Q3447-03 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-TW2-251023-01

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:07:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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...	3.548	2.872	5139467	21691728	1.650	0.728m#
28)	SA Decachlor...	9.086f	8.057	36426868	58728393	7.787m	1.939m#
Target Compounds							
5)	MB Aldrin	5.255	4.364	13374426	65936328	2.043	1.424m#
9)	A Endosulfan I	6.062	5.226	6127025	24106583	1.107	0.612 #
11)	B alpha-Chl...	6.024	5.175	9122908	45490246	1.476	1.055 #
12)	B 4,4'-DDE	6.192	5.374	28024384	217.5E6	5.261m	4.961
17)	MA 4,4'-DDT	7.019	6.170	23669986	325.3E6	5.758m	9.275 #
19)	B Endosulfa...	7.143	6.469	18356160	80791015	3.958m	2.254m#

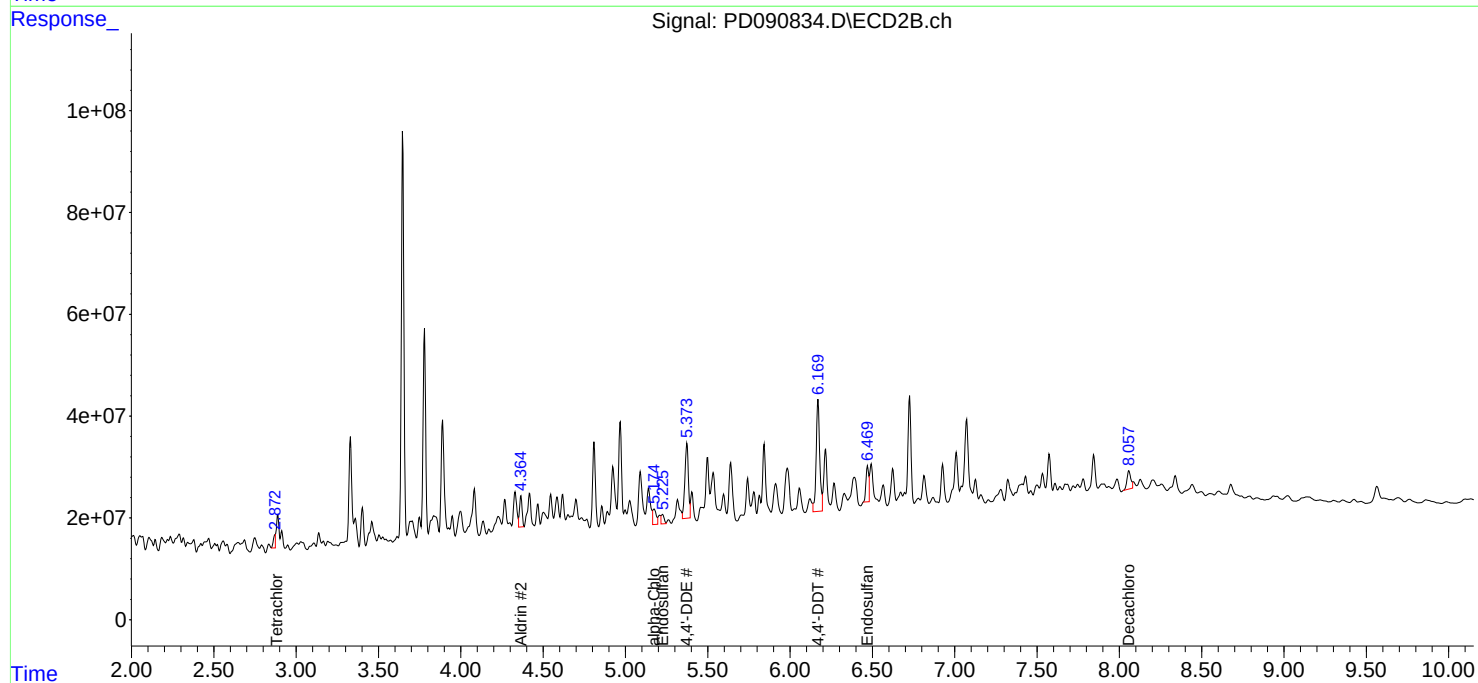
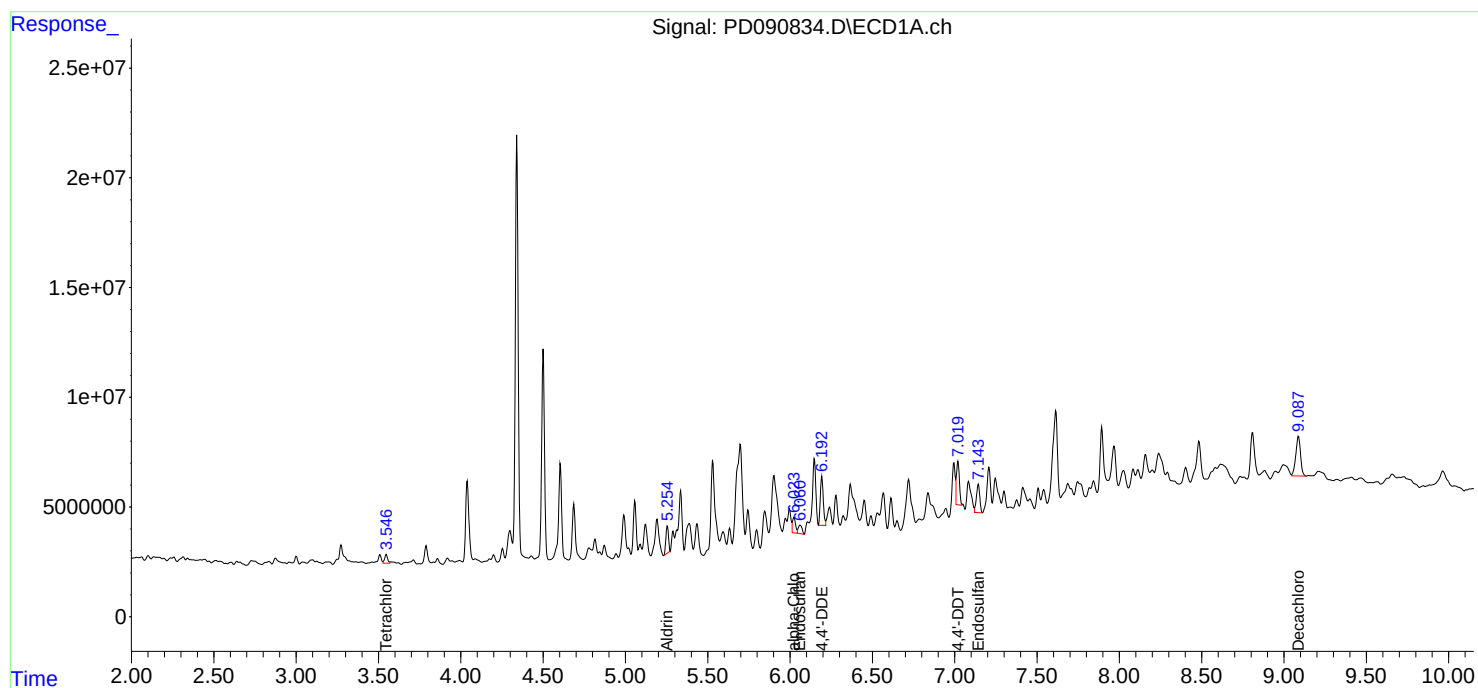
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

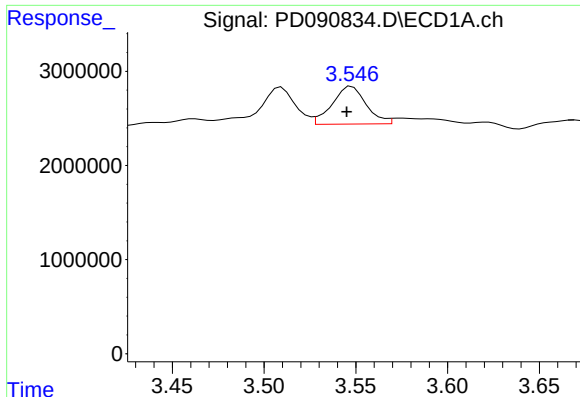
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090834.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 11:44
Operator : AR\AJ
Sample : Q3447-03 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:07:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

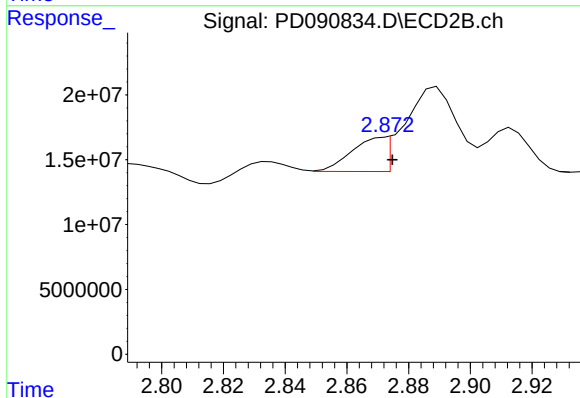




#1 Tetrachloro-m-xylene

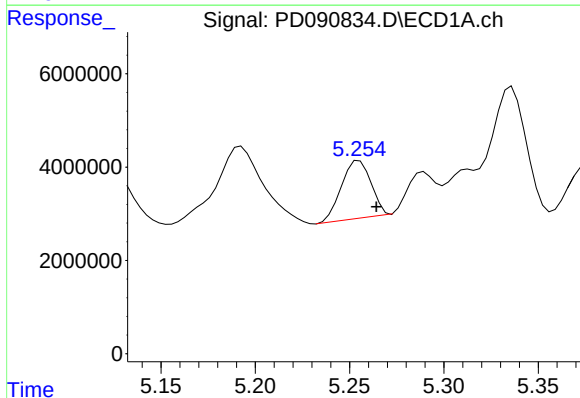
R.T.: 3.548 min
Delta R.T.: 0.003 min
Response: 5139467
Conc: 1.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01



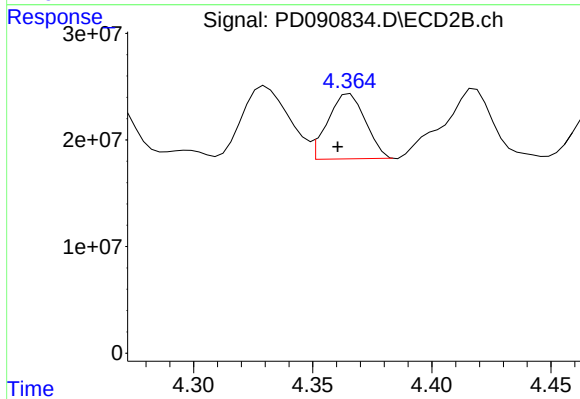
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 21691728
Conc: 0.73 ng/ml m



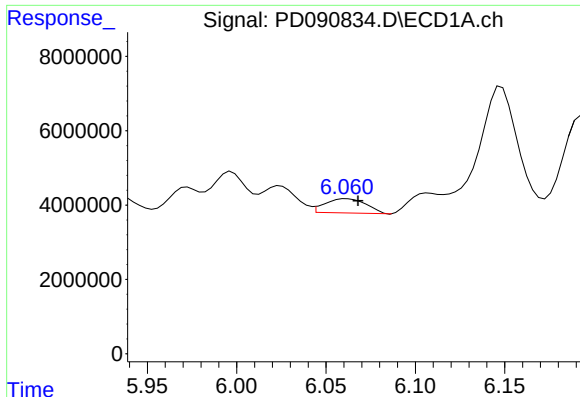
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.009 min
Response: 13374426
Conc: 2.04 ng/ml



#5 Aldrin

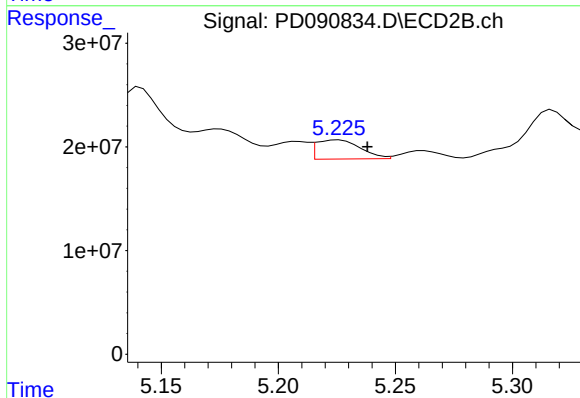
R.T.: 4.364 min
Delta R.T.: 0.004 min
Response: 65936328
Conc: 1.42 ng/ml m



#9 Endosulfan I

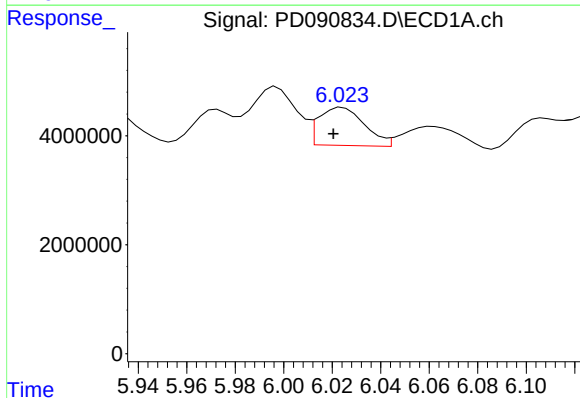
R.T.: 6.062 min
Delta R.T.: -0.006 min
Response: 6127025
Conc: 1.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01



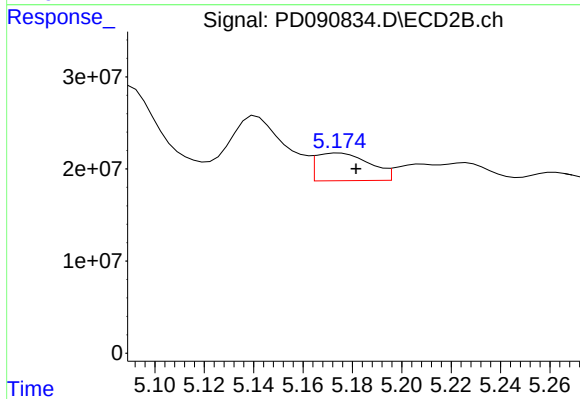
#9 Endosulfan I

R.T.: 5.226 min
Delta R.T.: -0.012 min
Response: 24106583
Conc: 0.61 ng/ml



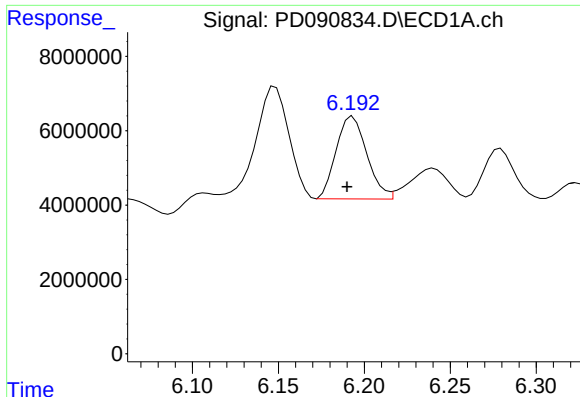
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.004 min
Response: 9122908
Conc: 1.48 ng/ml



#11 alpha-Chlordane

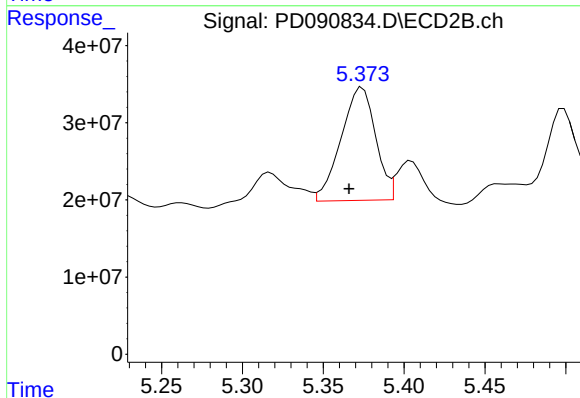
R.T.: 5.175 min
Delta R.T.: -0.007 min
Response: 45490246
Conc: 1.05 ng/ml



#12 4,4'-DDE

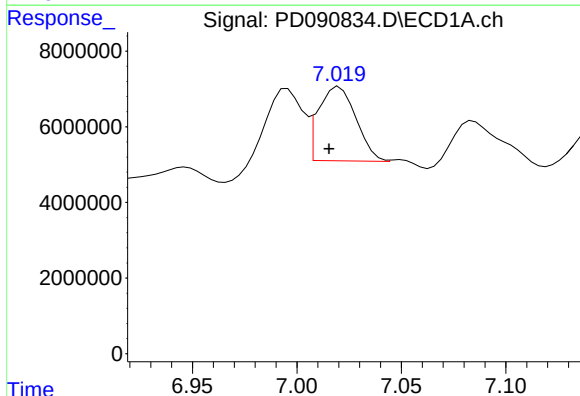
R.T.: 6.192 min
Delta R.T.: 0.002 min
Response: 28024384
Conc: 5.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01



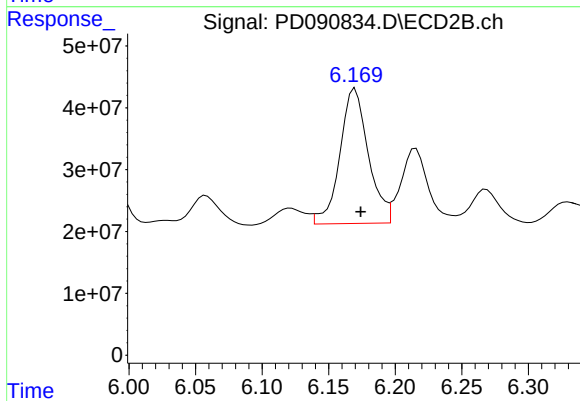
#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.008 min
Response: 217490926
Conc: 4.96 ng/ml



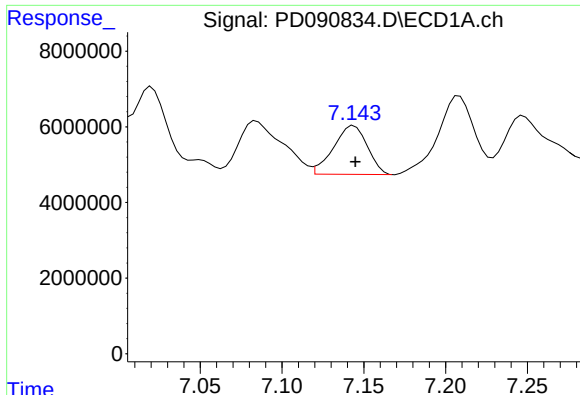
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.004 min
Response: 23669986
Conc: 5.76 ng/ml m



#17 4,4'-DDT

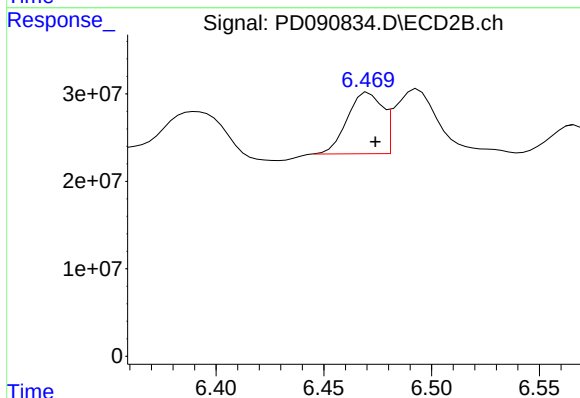
R.T.: 6.170 min
Delta R.T.: -0.004 min
Response: 325310635
Conc: 9.28 ng/ml



#19 Endosulfan Sulfate

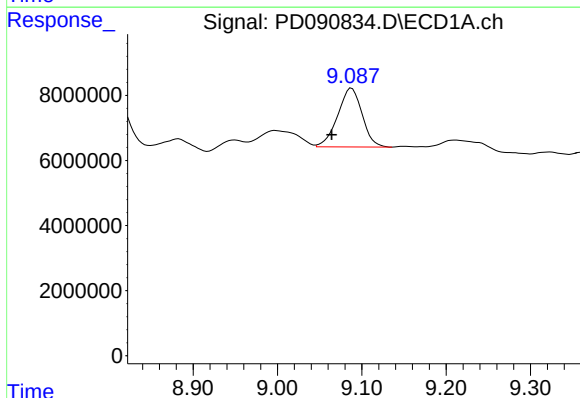
R.T.: 7.143 min
Delta R.T.: -0.002 min
Response: 18356160
Conc: 3.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW2-251023-01



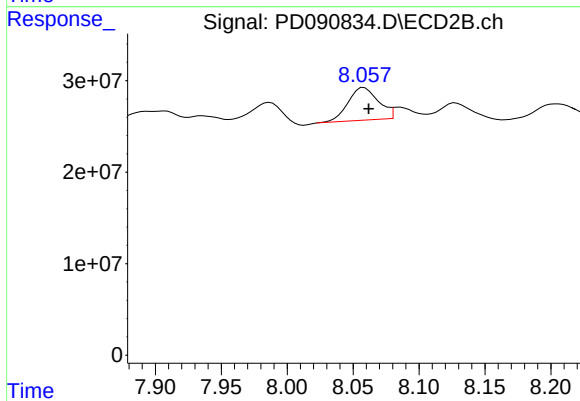
#19 Endosulfan Sulfate

R.T.: 6.469 min
Delta R.T.: -0.005 min
Response: 80791015
Conc: 2.25 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.086 min
Delta R.T.: 0.022 min
Response: 36426868
Conc: 7.79 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.005 min
Response: 58728393
Conc: 1.94 ng/ml m



SHIPPING DOCUMENTS

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #906

Lab: Alliance Technical Group, LLC - Non CLP

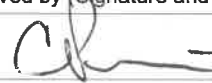
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW1-251023-01	Waste		A	TAL VOCs		10/23/2025	10:00	4	5 gram Encore/4 oz glass	4 C	N
	P001-TW1-251023-01	Waste		B	TAL SVOCs		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		C	TAL PCBs		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		D	TAL Pesticides		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		F	TCLP VOC		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		J	TCLP Herbicide		10/23/2025	10:00	1	8 oz glass	4 C	N

Special Instructions: **POSSIBLE HIGH CONCENTRATIONS** Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 906. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Initials	Olga Kuznetsova	10/23/25 1330		10/23/25 1330	IF-60 #1 2.1-c

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #905

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW2-251023-01	Waste		A	TAL VOCs		10/23/2025	10:30	4	5 gram Encore/4 oz glass	4 C	N
	P001-TW2-251023-01	Waste		B	TAL SVOCs		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		C	TAL PCBs		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		D	TAL Pesticides		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		F	TCLP VOC		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		J	TCLP Herbicide		10/23/2025	10:30	1	8 oz glass	4 C	N

Special Instructions: **POSSIBLE HIGH CONCENTRATIONS.** Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 905. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Olga Kuznitskaya	10/23/25 13:30	CF	10/23/25 13:30	If Con #1 2.1

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #905

Lab: Alliance Technical Group, LLC - Non
CLP

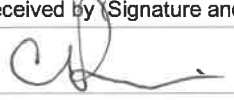
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW3-251023-01	Waste		A	TAL VOCs		10/23/2025	11:00	1	4 oz glass w/septum	4 C	N
	P001-TW3-251023-01	Waste		B	TAL SVOCs		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		C	TAL PCBs		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		D	TAL Pesticides		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		F	TCLP VOC		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		J	TCLP Herbicide		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		A	TAL VOCs		10/23/2025	11:30	1	4 oz glass w/septum	4 C	N

Special Instructions: **POSSIBLE HIGH CONCENTRATIONS** Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 905. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Oleg Kuzmitskanz	10/23/25 1330		10/23/25 1330	21 Cont 1 2.1 -1

Lab Phone: 908-728-3144

10-23-2025

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	<i>Opa Kuzmitskane</i>	10/23/25 1330	<i>ck</i>	10/23/25 1330	<i>FF-1000 / 2.1</i>

Precautionary Measures Against Hidden Hazards in Laboratory Samples

Notice to Laboratory Personnel

Background

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) of 1980, as amended, Section 311 of the Clean Water Act (CWA), as amended, by the Oil Pollution Act of 1990, Subtitle I of the Resource Conservation and Recovery Act (RCRA), an pursuant to the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and Presidential Decision Document (PDD) #39, the Environmental Protection Agency (EPA) has been delegated the responsibility to undertake response actions with respect to, as a general matter, the release or threat of release of oil, petroleum products, hazardous substances, or pollutants and contaminants, that pose an actual or potential threat to human health or welfare, or to the environment. EPA is responsible for conducting evaluations and cleanups of uncontrolled hazardous substance disposal sites and placing those that are considered to pose a significant threat to the public health or the environment on the National Priorities List (NPL).

EPA's successful implementation of these emergency response action responsibilities requires that technical support capabilities be provided in the form of a contracted Superfund Technical Assessment & Response Team (START) for EPA. The WESTON START Contract 68HE0319D0004, provides this support to EPA Region II.

Hazardous Communication

The Samples which accompany this notice were shipped to your laboratory for analysis in accordance with applicable D.O.T. or IATA Regulations and were collected by the WESTON START and tentatively designated by the field response team, as either environmental or hazardous material samples.

In general, *Environmental Samples* are collected from streams, farm ponds, small lakes, wells, and off-site soil locations that are not reasonably expected to be contaminated with hazardous materials. Samples of on-site soils or water, and materials collected from drums, bulk storage tanks, obviously contaminated ponds, impoundments, lagoons, pools, and leachates from hazardous waste sites are considered *Hazardous Samples*. Samples which are obtained from a known radioactive material contamination site or which demonstrate beta or gamma activity greater than three times average background as scanned with a radiation survey meter are considered *Radioactive Samples*.

The samples which accompany this notice were tentatively classified by the field response team as:

☐ Environmental ☒ Hazardous ☐ Comb (Envir. & Haz) ☐ Radioactive

The field team which collected the samples used the following Level(s) of personal protection as designated by EPA and OSHA conventions to provide protection against possible radiological or chemical exposure:

☐ Level A ☐ Level B ☐ Level C ☒ Level D

This information is intended for use as a guide for the safe handling of these laboratory samples in accordance with EPA and OSHA regulations. The Sample classification(s) and Levels of personal protection used by the WESTON START are not represented to be, nor are they adequate or applicable in all situations, nor are they intended to serve as substitutes for professional/personal judgement.

Laboratory Name: Alliance RFP No. 905

Prepared by: Josh Frizzell Date 10-23-2025

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3447	ROYF02	Order Date : 10/23/2025 1:50:00 PM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 10/23/2025 1:30:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3447-01	P001-TW1-251023-01	Solid	10/23/2025	10:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3447-03	P001-TW2-251023-01	Solid	10/23/2025	10:30 ~~10:00~~	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3447-05	P001-TW3-251023-01	Solid	10/23/2025	11:00 ~~10:00~~	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3447-07	P001-TW4-251023-01	Solid	10/23/2025	11:30 ~~10:00~~	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : cl

Date / Time : 10/23/25 1437

Received By : AK

Date / Time : 10/23/25 1437

Storage Area : VOA Refridgerator Room