

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RFP 918

WESTON SOLUTIONS, INC.
1090 King Georges Post Road
Suite 201
Edison, NJ - 08837-3703
Phone No: 732-585-4410

ORDER ID : Q3321
ATTENTION : Smita Sumbaly



Laboratory Certification ID # 20012



1) PESTICIDE-TCL Data	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	12
9) QC Data Summary For Pesticide-TCL	13
9.1) Deuterated Monitoring Compound Summary	14
9.2) MS/MSD Summary	15
9.3) LCS/LCSD Summary	19
9.4) Method Blank Summary	20
10) Sample Data	21
10.1) P001-DS-01	22
11) Calibration Data Summary	28
11.1) Initial Calibration Data	29
11.1.1) PL100725	29
11.2) Continued Calibration Data	131
11.2.1) PL097598.D	131
11.2.2) PL097610.D	149
11.2.3) PEM Files	167
11.3) RESCHK Data	187
11.4) Analytical Seq	195
12) Compound Detection Summary	197
13) QC Sample Data	204
13.1) Method Blank Data	205
13.2) PIBLK Data	210
13.3) LCS Data	225
13.4) MS Data	241
13.5) MSD Data	257
14) Manual Integration	273
15) Analytical Runlogs	279
16) Percent Solid	286
17) Extraction Logs	288

Table Of Contents for Q3321

17.1) PB170054.pdf	288
17.2) PB170054IC.pdf	290
18) Standard Prep Logs	291
19) Shipping Document	345
19.1) Chain Of Custody	346
19.2) Lab Certificate	348
19.3) Internal COC	349

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

Cover Page

Order ID : Q3321

Project ID : RFP 918

Client : Weston Solutions, Inc.

Lab Sample Number

Q3321-01
Q3321-02

Client Sample Number

P001-DS-01
P001-DS-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 :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:14 am, Oct 24, 2025

Date: 10/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 918

Project # N/A

Order ID # Q3321

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/09/2025.

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_L. 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.

The Retention Times were met for all analysis.

The MS {Q3310-01MS} with File ID: PL097602.D recoveries met the requirements for all compounds except for [Endrin ketone(2)51%] due to matrix interference.

The MSD {Q3310-01MSD} with File ID: PL097603.D recoveries met the requirements for all compounds except for [Endrin ketone(2)53%] due to matrix interference.

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 met the requirements.

E. Additional Comments:

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

F. Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vi) (Ws) (D)}$$

Where,

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

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

Vt = Volume of the concentrated extract in uL

Vi = 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).

Ws = 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)

Vin = Volume of extract loaded onto GPC column.

Vout = 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_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:14 am, Oct 24, 2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3321

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 met the requirements			
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.			
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 {Q3310-01MS} with File ID: PL097602.D recoveries met the requirements for all compounds except for [Endrin ketone(2)51%] due to matrix interference.			
The MSD {Q3310-01MSD} with File ID: PL097603.D recoveries met the requirements for all compounds except for [Endrin ketone(2)53%] due to matrix interference.			
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:			
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:36 am, Oct 24, 2025

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3321

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: 10/16/2025

LAB CHRONICLE

OrderID:	Q3321	OrderDate:	10/9/2025 10:30:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 918
Contact:	Smita Sumbaly	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3321-01	P001-DS-01	SOIL	Pesticide-TCL	8081B	10/08/25	10/10/25	10/10/25	10/09/25

Hit Summary Sheet
SW-846

SDG No.: Q3321

Order ID: Q3321

Client: Weston Solutions, Inc.

Project ID: RFP 918

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Q3321-01	P001-DS-01 P001-DS-01	SOIL	Endrin	0.71	JP	0.18	2.20	ug/kg
Total Concentration:				0.710				



QC SUMMARY

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Surrogate Summary

SDG No.: Q3321

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL097523.D	PIBLK-PL097523.D	Decachlorobiphen	1	20	21.4	107		57	171
		Tetrachloro-m-xyl	1	20	19.2	96		61	148
		Decachlorobiphen	2	20	20.6	103		57	171
		Tetrachloro-m-xyl	2	20	19.3	97		61	148
I.BLK-PL097596.D	PIBLK-PL097596.D	Decachlorobiphen	1	20	24.3	121		57	171
		Tetrachloro-m-xyl	1	20	23.0	115		61	148
		Decachlorobiphen	2	20	19.7	99		57	171
		Tetrachloro-m-xyl	2	20	21.3	106		61	148
PB170054BL	PB170054BL	Decachlorobiphen	1	20	20.6	103		20	144
		Tetrachloro-m-xyl	1	20	18.6	93		19	148
		Decachlorobiphen	2	20	17.0	85		20	144
		Tetrachloro-m-xyl	2	20	16.9	85		19	148
Q3310-01MS	SS-01-0-1MS	Decachlorobiphen	1	20	8.92	45		20	144
		Tetrachloro-m-xyl	1	20	12.9	64		19	148
		Decachlorobiphen	2	20	7.30	37		20	144
		Tetrachloro-m-xyl	2	20	11.4	57		19	148
Q3310-01MSD	SS-01-0-1MSD	Decachlorobiphen	1	20	10.5	53		20	144
		Tetrachloro-m-xyl	1	20	13.5	68		19	148
		Decachlorobiphen	2	20	7.64	38		20	144
		Tetrachloro-m-xyl	2	20	12.3	61		19	148
Q3321-01	P001-DS-01	Decachlorobiphen	1	20	10.8	54		20	144
		Tetrachloro-m-xyl	1	20	9.83	49		19	148
		Decachlorobiphen	2	20	8.23	41		20	144
		Tetrachloro-m-xyl	2	20	9.01	45		19	148
PB170054BS	PB170054BS	Decachlorobiphen	1	20	22.2	111		20	144
		Tetrachloro-m-xyl	1	20	21.1	105		19	148
		Decachlorobiphen	2	20	18.2	91		20	144
		Tetrachloro-m-xyl	2	20	20.8	104		19	148
I.BLK-PL097609.D	PIBLK-PL097609.D	Decachlorobiphen	1	20	24.3	122		57	171
		Tetrachloro-m-xyl	1	20	22.5	113		61	148
		Decachlorobiphen	2	20	19.8	99		57	171
		Tetrachloro-m-xyl	2	20	21.9	109		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PL097602.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
			Result								High		
Lab Sample ID:	Q3310-01MS (Column 1)	Client Sample ID:		SS-01-0-1MS									
	alpha-BHC	25.51	0	19.8	ug/kg	78				60	144		
	beta-BHC	25.51	0	18.3	ug/kg	72				54	143		
	delta-BHC	25.51	0	21.0	ug/kg	82				29	151		
	gamma-BHC (Lindane)	25.51	0	19.9	ug/kg	78				61	140		
	Heptachlor	25.51	0	19.9	ug/kg	78				63	135		
	Aldrin	25.51	0	19.6	ug/kg	77				49	139		
	Heptachlor epoxide	25.51	0	20.5	ug/kg	80				41	156		
	Endosulfan I	25.51	0	20.5	ug/kg	80				56	142		
	Dieldrin	25.51	3.10	24.6	ug/kg	84				47	161		
	4,4'-DDE	25.51	0.94	20.3	ug/kg	76				55	136		
	Endrin	25.51	0.65	19.7	ug/kg	75				57	139		
	Endosulfan II	25.51	0	17.9	ug/kg	70				40	163		
	4,4'-DDD	25.51	1.90	23.9	ug/kg	86				47	163		
	Endosulfan sulfate	25.51	0	23.3	ug/kg	91				62	139		
	4,4'-DDT	25.51	0.92	22.9	ug/kg	86				51	146		
	Methoxychlor	25.51	0	25.8	ug/kg	101				54	136		
	Endrin ketone	25.51	0	22.8	ug/kg	89				60	129		
	Endrin aldehyde	25.51	0	19.7	ug/kg	77				59	132		
	alpha-Chlordane	25.51	3.60	23.6	ug/kg	78				39	166		
	gamma-Chlordane	25.51	4.10	24.6	ug/kg	80				44	175		
Lab Sample ID:	Q3310-01MS (Column 2)	Client Sample ID:		SS-01-0-1MS									
	alpha-BHC	25.51	0	17.4	ug/kg	68				60	144		
	beta-BHC	25.51	0	16.0	ug/kg	63				54	143		
	delta-BHC	25.51	0	17.3	ug/kg	68				29	151		
	gamma-BHC (Lindane)	25.51	0	18.6	ug/kg	73				61	140		
	Heptachlor	25.51	0	16.7	ug/kg	65				63	135		
	Aldrin	25.51	0	17.1	ug/kg	67				49	139		
	Heptachlor epoxide	25.51	0	16.7	ug/kg	65				41	156		
	Endosulfan I	25.51	0	16.1	ug/kg	63				56	142		
	Dieldrin	25.51	4.00	19.0	ug/kg	59				47	161		
	4,4'-DDE	25.51	0.59	16.2	ug/kg	61				55	136		
	Endrin	25.51	0.67	15.4	ug/kg	58				57	139		
	Endosulfan II	25.51	0	16.3	ug/kg	64				40	163		
	4,4'-DDD	25.51	0.69	15.8	ug/kg	59				47	163		
	Endosulfan sulfate	25.51	0	21.8	ug/kg	85				62	139		

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PL097602.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
		Result	Result							High		
4,4'-DDT	25.51	3.20	18.1	ug/kg	58				51	146		
Methoxychlor	25.51	0	18.2	ug/kg	71				54	136		
Endrin ketone	25.51	0	13.1	ug/kg	51	*			60	129		
Endrin aldehyde	25.51	0	15.5	ug/kg	61				59	132		
alpha-Chlordane	25.51	3.00	17.8	ug/kg	58				39	166		
gamma-Chlordane	25.51	3.40	20.8	ug/kg	68				44	175		

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321 Analytical Method: 8081B
Client: Weston Solutions, Inc. DataFile : PL097603.D

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
			Result								High		
Lab Sample ID:	Q3310-01MSD (Column 1)	Client Sample ID:		SS-01-0-1MSD									
	alpha-BHC	25.47	0	21.4	ug/kg	84		7		60	144		20
	beta-BHC	25.47	0	19.5	ug/kg	77		7		54	143		20
	delta-BHC	25.47	0	22.3	ug/kg	88		7		29	151		20
	gamma-BHC (Lindane)	25.47	0	21.5	ug/kg	84		7		61	140		20
	Heptachlor	25.47	0	20.5	ug/kg	80		3		63	135		20
	Aldrin	25.47	0	21.3	ug/kg	84		9		49	139		20
	Heptachlor epoxide	25.47	0	21.4	ug/kg	84		5		41	156		20
	Endosulfan I	25.47	0	22.5	ug/kg	88		10		56	142		20
	Dieldrin	25.47	3.10	27.5	ug/kg	96		13		47	161		20
	4,4'-DDE	25.47	0.94	21.3	ug/kg	80		5		55	136		20
	Endrin	25.47	0.65	20.9	ug/kg	79		5		57	139		20
	Endosulfan II	25.47	0	18.3	ug/kg	72		3		40	163		20
	4,4'-DDD	25.47	1.90	25.4	ug/kg	92		7		47	163		20
	Endosulfan sulfate	25.47	0	24.8	ug/kg	97		6		62	139		20
	4,4'-DDT	25.47	0.92	24.1	ug/kg	91		6		51	146		20
	Methoxychlor	25.47	0	27.2	ug/kg	107		6		54	136		20
	Endrin ketone	25.47	0	24.0	ug/kg	94		5		60	129		20
	Endrin aldehyde	25.47	0	20.8	ug/kg	82		6		59	132		20
	alpha-Chlordane	25.47	3.60	24.3	ug/kg	81		4		39	166		20
	gamma-Chlordane	25.47	4.10	24.8	ug/kg	81		1		44	175		20
Lab Sample ID:	Q3310-01MSD (Column 2)	Client Sample ID:		SS-01-0-1MSD									
	alpha-BHC	25.47	0	18.6	ug/kg	73		7		60	144		20
	beta-BHC	25.47	0	16.5	ug/kg	65		3		54	143		20
	delta-BHC	25.47	0	18.4	ug/kg	72		6		29	151		20
	gamma-BHC (Lindane)	25.47	0	19.8	ug/kg	78		7		61	140		20
	Heptachlor	25.47	0	17.7	ug/kg	69		6		63	135		20
	Aldrin	25.47	0	19.0	ug/kg	75		11		49	139		20
	Heptachlor epoxide	25.47	0	17.6	ug/kg	69		6		41	156		20
	Endosulfan I	25.47	0	17.0	ug/kg	67		6		56	142		20
	Dieldrin	25.47	4.00	19.9	ug/kg	62		5		47	161		20
	4,4'-DDE	25.47	0.59	17.0	ug/kg	64		5		55	136		20
	Endrin	25.47	0.67	15.9	ug/kg	60		3		57	139		20
	Endosulfan II	25.47	0	16.9	ug/kg	66		3		40	163		20
	4,4'-DDD	25.47	0.69	16.4	ug/kg	62		5		47	163		20
	Endosulfan sulfate	25.47	0	22.6	ug/kg	89		5		62	139		20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PL097603.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Low	Limits	
		Result	Result				RPD	Qual		High	RPD
4,4'-DDT	25.47	3.20	18.9	ug/kg	62		7		51	146	20
Methoxychlor	25.47	0	19.1	ug/kg	75		5		54	136	20
Endrin ketone	25.47	0	13.5	ug/kg	53	*	4		60	129	20
Endrin aldehyde	25.47	0	15.8	ug/kg	62		2		59	132	20
alpha-Chlordane	25.47	3.00	18.7	ug/kg	62		7		39	166	20
gamma-Chlordane	25.47	3.40	21.9	ug/kg	73		7		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3321	Analytical Method:	8081B
Client:	Weston Solutions, Inc.	Datafile :	PL097608.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170054BS (Column 1)	alpha-BHC	16.65	19.7	ug/kg	118				84	123	
	beta-BHC	16.65	19.8	ug/kg	119				82	123	
	delta-BHC	16.65	19.5	ug/kg	117				83	126	
	gamma-BHC (Lindane)	16.65	19.7	ug/kg	118				83	125	
	Heptachlor	16.65	18.6	ug/kg	112				83	122	
	Aldrin	16.65	19.3	ug/kg	116				82	124	
	Heptachlor epoxide	16.65	18.1	ug/kg	109				83	120	
	Endosulfan I	16.65	19.1	ug/kg	115				81	124	
	Dieldrin	16.65	19.3	ug/kg	116				85	121	
	4,4'-DDE	16.65	19.8	ug/kg	119				81	123	
	Endrin	16.65	17.9	ug/kg	108				76	130	
	Endosulfan II	16.65	17.8	ug/kg	107				80	125	
	4,4'-DDD	16.65	20.5	ug/kg	123				80	131	
	Endosulfan sulfate	16.65	18.7	ug/kg	112				81	122	
	4,4'-DDT	16.65	17.6	ug/kg	106				70	129	
	Methoxychlor	16.65	16.6	ug/kg	100				60	119	
	Endrin ketone	16.65	19.1	ug/kg	115				77	132	
	Endrin aldehyde	16.65	18.8	ug/kg	113				79	124	
	alpha-Chlordane	16.65	19.0	ug/kg	114				84	120	
	gamma-Chlordane	16.65	19.4	ug/kg	117				83	122	
	alpha-BHC	16.65	19.4	ug/kg	117				84	123	
PB170054BS (Column 2)	beta-BHC	16.65	18.3	ug/kg	110				82	123	
	delta-BHC	16.65	19.1	ug/kg	115				83	126	
	gamma-BHC (Lindane)	16.65	19.2	ug/kg	115				83	125	
	Heptachlor	16.65	18.2	ug/kg	109				83	122	
	Aldrin	16.65	18.8	ug/kg	113				82	124	
	Heptachlor epoxide	16.65	19.4	ug/kg	117				83	120	
	Endosulfan I	16.65	18.3	ug/kg	110				81	124	
	Dieldrin	16.65	17.8	ug/kg	107				85	121	
	4,4'-DDE	16.65	18.5	ug/kg	111				81	123	
	Endrin	16.65	16.6	ug/kg	100				76	130	
	Endosulfan II	16.65	17.7	ug/kg	106				80	125	
	4,4'-DDD	16.65	18.7	ug/kg	112				80	131	
	Endosulfan sulfate	16.65	17.2	ug/kg	103				81	122	
	4,4'-DDT	16.65	16.3	ug/kg	98				70	129	
	Methoxychlor	16.65	15.0	ug/kg	90				60	119	
	Endrin ketone	16.65	16.1	ug/kg	97				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	17.9	ug/kg	108				84	120	
	gamma-Chlordane	16.65	17.7	ug/kg	106				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170054BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170054BL

Lab File ID: PL097599.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/10/2025

Date Analyzed (1): 10/10/2025

Date Analyzed (2): 10/10/2025

Time Analyzed (1): 13:44

Time Analyzed (2): 13:44

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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
SS-01-0-1MS	Q3310-01MS	PL097602.D	10/10/2025	10/10/2025
SS-01-0-1MSD	Q3310-01MSD	PL097603.D	10/10/2025	10/10/2025
P001-DS-01	Q3321-01	PL097605.D	10/10/2025	10/10/2025
PB170054BS	PB170054BS	PL097608.D	10/10/2025	10/10/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01	SDG No.:	Q3321
Lab Sample ID:	Q3321-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097605.D	1	10/10/25 09:06	10/10/25 15:05	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.17	U	0.17	2.20	ug/kg
319-85-7	beta-BHC	0.23	U	0.23	2.20	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	0.18	U	0.18	2.20	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.20	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.20	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	2.20	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-20-8	Endrin	0.71	JP	0.18	2.20	ug/kg
33213-65-9	Endosulfan II	0.37	U	0.37	2.20	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	0.17	U	0.17	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
72-43-5	Methoxychlor	0.47	U	0.47	2.20	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	2.20	ug/kg
7421-93-4	Endrin aldehyde	0.47	U	0.47	2.20	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.20	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.20	ug/kg
8001-35-2	Toxaphene	6.90	U	6.90	42.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.8		20 - 144	54%	SPK: 20
877-09-8	Tetrachloro-m-xylene	9.83		19 - 148	49%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/08/25	
Project:	RFP 918		Date Received:	10/09/25	
Client Sample ID:	P001-DS-01		SDG No.:	Q3321	
Lab Sample ID:	Q3321-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	78.4	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097605.D	1	10/10/25 09:06	10/10/25 15:05	PB170054

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:05
Operator : AR\AJ
Sample : Q3321-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-DS-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:19:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.525	2.823	40077575	54868846	9.831	9.015
28) SA Decachlor...	8.993	7.978	32160097	42704877	10.815m	8.230
Target Compounds						
14) MA Endrin	6.527	5.706	7448181	5121986	1.665m	0.692m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:05
Operator : AR\AJ
Sample : Q3321-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

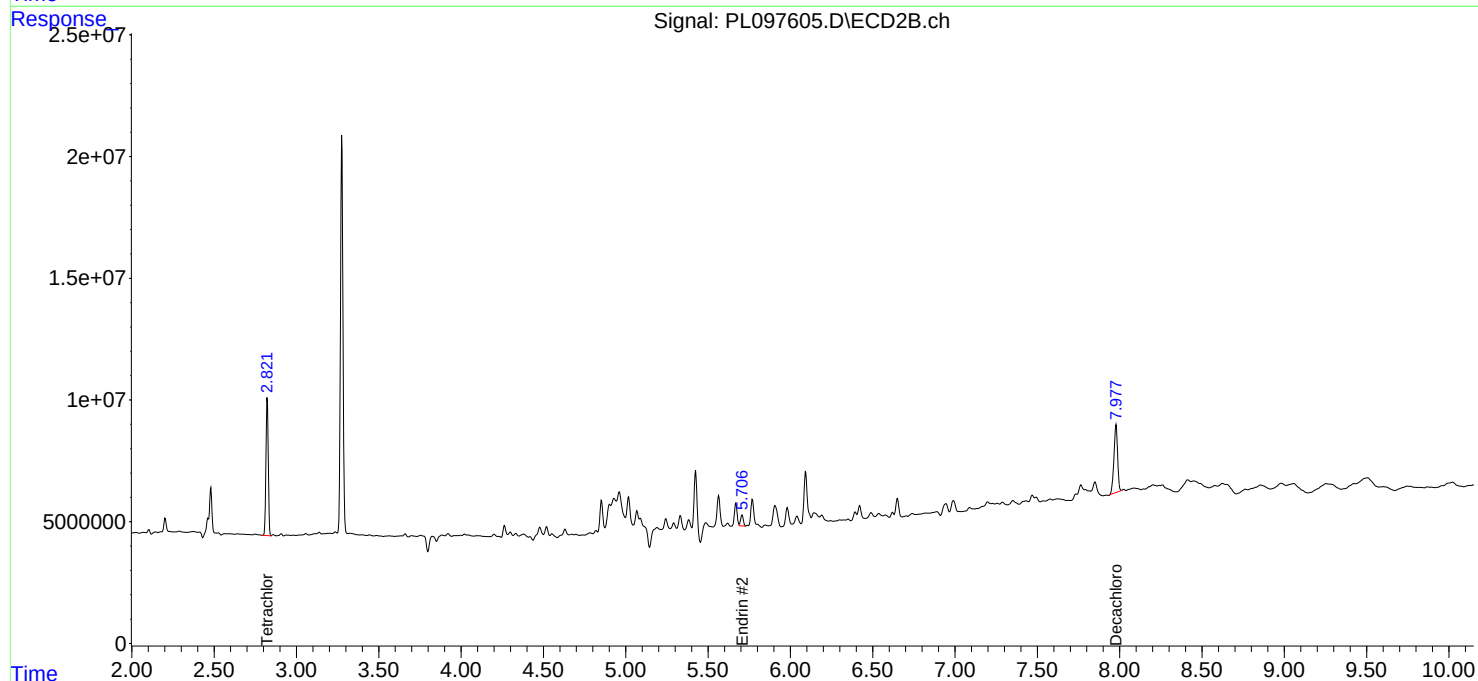
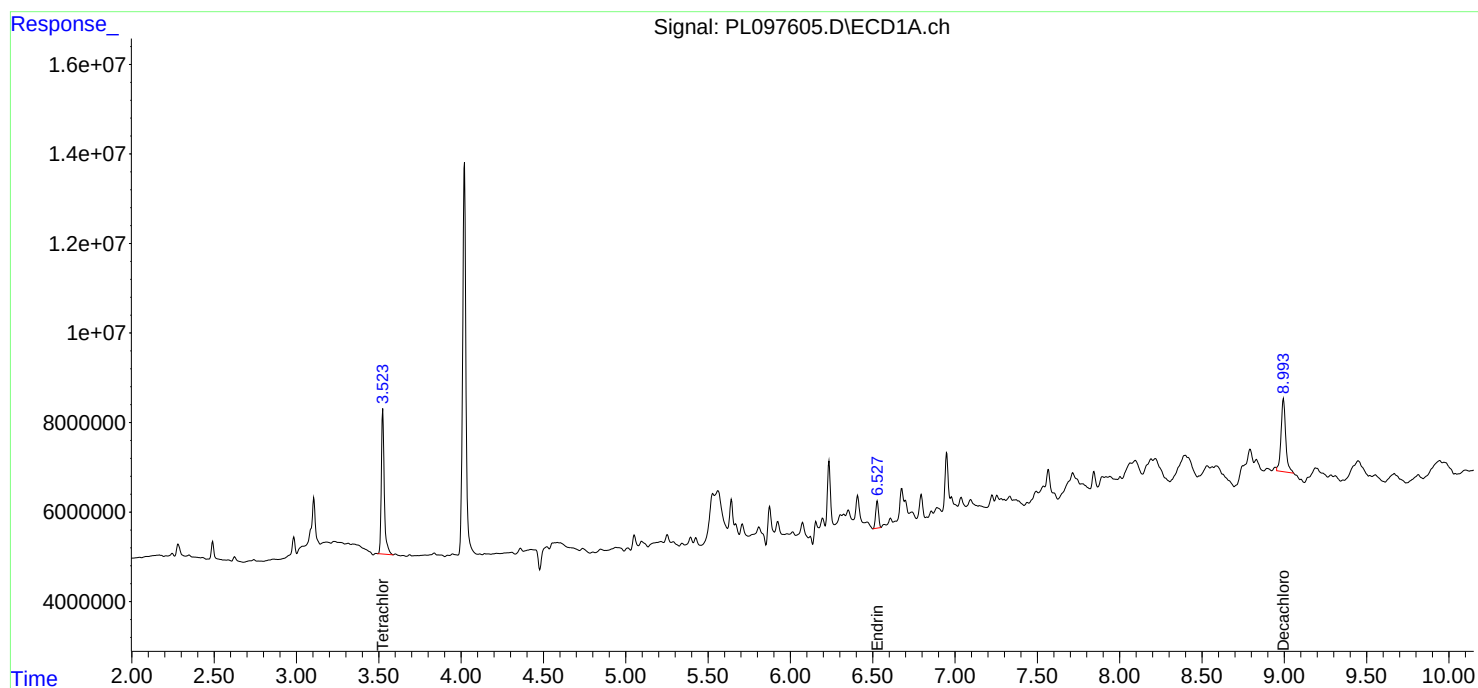
Instrument :
ECD_L
ClientSampleId :
P001-DS-01

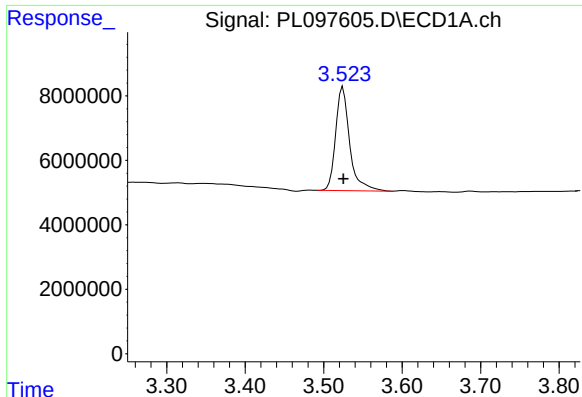
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:19:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm





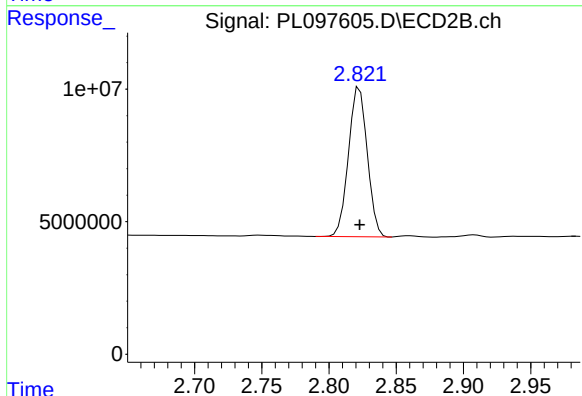
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 40077575
Conc: 9.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-DS-01

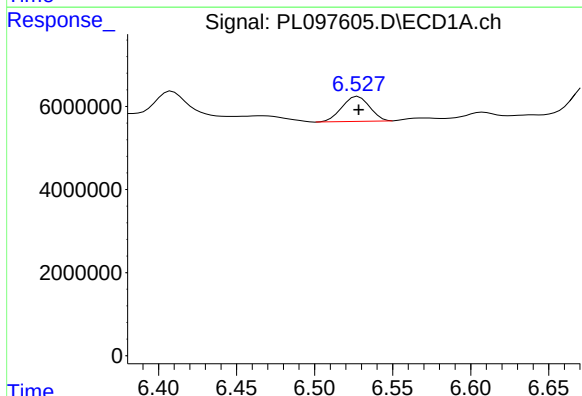
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



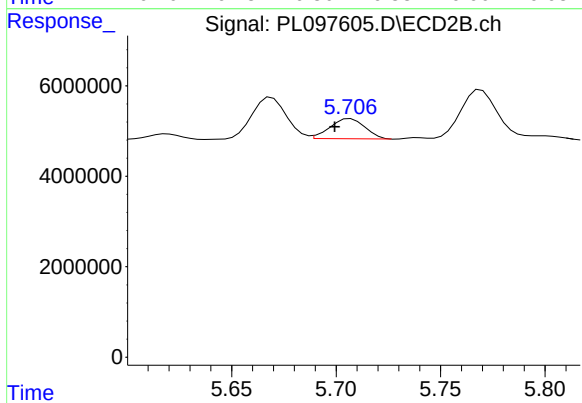
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 54868846
Conc: 9.01 ng/ml



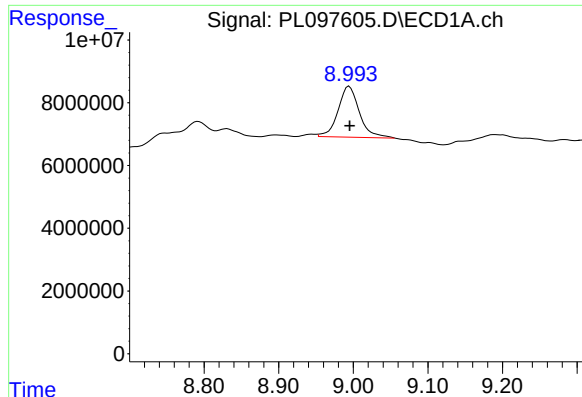
#14 Endrin

R.T.: 6.527 min
Delta R.T.: -0.002 min
Response: 7448181
Conc: 1.66 ng/ml m



#14 Endrin

R.T.: 5.706 min
Delta R.T.: 0.006 min
Response: 5121986
Conc: 0.69 ng/ml m



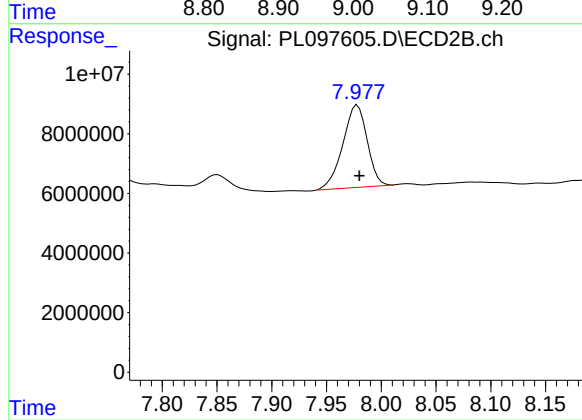
#28 Decachlorobiphenyl

R.T.: 8.993 min
Delta R.T.: -0.002 min
Response: 32160097
Conc: 10.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-DS-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.978 min
Delta R.T.: -0.002 min
Response: 42704877
Conc: 8.23 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3321</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
		Calibration Times:	<u>10:33</u> <u>11:55</u>

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

LAB FILE ID:	RT 100 = <u>PL097526.D</u>	RT 075 = <u>PL097527.D</u>
RT 050 = <u>PL097528.D</u>	RT 025 = <u>PL097529.D</u>	RT 005 = <u>PL097530.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
4,4'-DDE	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
4,4'-DDT	6.98	6.98	6.98	6.98	6.98	6.97	6.87	7.07
Aldrin	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
alpha-BHC	3.97	3.97	3.97	3.97	3.97	3.97	3.87	4.07
alpha-Chlordane	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
beta-BHC	4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Decachlorobiphenyl	9.00	9.00	9.00	9.00	9.00	9.00	8.90	9.10
delta-BHC	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Dieldrin	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Endosulfan I	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Endosulfan II	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Endosulfan sulfate	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Endrin	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Endrin aldehyde	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Endrin ketone	7.58	7.58	7.58	7.58	7.58	7.58	7.48	7.68
gamma-BHC (Lindane)	4.30	4.30	4.30	4.30	4.30	4.30	4.20	4.40
gamma-Chlordane	5.90	5.90	5.90	5.90	5.90	5.90	5.80	6.00
Heptachlor	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Heptachlor epoxide	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Methoxychlor	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55
Tetrachloro-m-xylene	3.53	3.52	3.53	3.53	3.53	3.52	3.42	3.62

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3321</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
		Calibration Times:	<u>10:33</u> <u>11:55</u>

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

LAB FILE ID:	RT 100 = <u>PL097526.D</u>	RT 075 = <u>PL097527.D</u>
RT 050 = <u>PL097528.D</u>	RT 025 = <u>PL097529.D</u>	RT 005 = <u>PL097530.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
4,4'-DDE	5.29	5.29	5.30	5.30	5.29	5.29	5.19	5.39
4,4'-DDT	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aldrin	4.29	4.29	4.29	4.29	4.29	4.29	4.19	4.39
alpha-BHC	3.33	3.33	3.33	3.33	3.33	3.33	3.23	3.43
alpha-Chlordane	5.11	5.11	5.11	5.11	5.10	5.11	5.01	5.21
beta-BHC	3.96	3.96	3.96	3.96	3.96	3.95	3.85	4.05
Decachlorobiphenyl	7.98	7.98	7.98	7.98	7.98	7.98	7.88	8.08
delta-BHC	4.19	4.19	4.19	4.19	4.19	4.19	4.09	4.29
Dieldrin	5.43	5.43	5.43	5.43	5.43	5.43	5.33	5.53
Endosulfan I	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Endosulfan II	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Endosulfan sulfate	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Endrin	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Endrin aldehyde	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Endrin ketone	6.90	6.90	6.90	6.90	6.90	6.90	6.80	7.00
gamma-BHC (Lindane)	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
gamma-Chlordane	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Heptachlor	4.01	4.01	4.01	4.01	4.01	4.01	3.91	4.11
Heptachlor epoxide	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Methoxychlor	6.67	6.67	6.67	6.67	6.67	6.67	6.57	6.77
Tetrachloro-m-xylene	2.82	2.82	2.82	2.82	2.82	2.82	2.72	2.92

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ROYF02
SDG NO.: Q3321

Calibration Date(s): 10/07/2025 10/07/2025
Calibration Times: 10:33 11:55

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

LAB FILE ID:				CF 100 =	PL097526.D	CF 075 =	PL097527.D		
CF 050 =		PL097528.D		CF 025 =		PL097529.D		CF 005 =	PL097530.D
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD		
4,4'-DDD	3783520000	3735790000	3836440000	3741690000	3770050000	3773500000	1		
4,4'-DDE	4769720000	4759010000	4659840000	4581780000	4515640000	4657200000	2		
4,4'-DDT	4158660000	4086470000	4066920000	4052430000	3909040000	4054710000	2		
Aldrin	6100180000	6021960000	5978240000	6004420000	5958610000	6012680000	1		
alpha-BHC	7057770000	6888230000	6778270000	6677840000	6326260000	6745680000	4		
alpha-Chlordane	5353290000	5303430000	5334480000	5467810000	5673330000	5426470000	3		
beta-BHC	2559030000	2540680000	2560440000	2620670000	2646530000	2585470000	2		
Decachlorobiphenyl	2806950000	2848090000	2915160000	3035350000	3262730000	2973660000	6		
delta-BHC	6161670000	6066620000	6020720000	6020370000	6093700000	6072620000	1		
Dieldrin	5325080000	5250780000	5231620000	5259220000	5235730000	5260490000	1		
Endosulfan I	4917900000	4878480000	4901240000	5022330000	5137180000	4971420000	2		
Endosulfan II	4422070000	4556670000	4577300000	4802660000	6101860000	4892110000	14		
Endosulfan sulfate	3911300000	3900330000	3938060000	4073730000	4226080000	4009900000	3		
Endrin	4509120000	4507230000	4463320000	4443310000	4448560000	4474310000	1		
Endrin aldehyde	3165060000	3153360000	3209030000	3315700000	3540440000	3276720000	5		
Endrin ketone	4226710000	4197910000	4228440000	4385050000	4370480000	4281720000	2		
gamma-BHC (Lindane)	6564350000	6445110000	6376450000	6329620000	6065990000	6356310000	3		
gamma-Chlordane	5429110000	5433580000	5370180000	5512260000	5391960000	5427420000	1		
Heptachlor	6459360000	6362530000	6415150000	6555100000	6461320000	6450690000	1		
Heptachlor epoxide	5410720000	5607600000	5590350000	5882200000	6620370000	5822250000	8		
Methoxychlor	1993250000	2095700000	2001910000	2102020000	2252130000	2089000000	5		
Tetrachloro-m-xylene	4057850000	4039070000	4058380000	4076200000	4152120000	4076720000	1		

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ROYF02
SDG NO.: Q3321
Calibration Date(s): 10/07/2025 10/07/2025
Calibration Times: 10:33 11:55

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

LAB FILE ID:		CF 100 =	PL097526.D	CF 075 =	PL097527.D		
CF 050 =	PL097528.D	CF 025 =	PL097529.D	CF 005 =	PL097530.D		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	6363530000	6423620000	6340540000	6352240000	6414460000	6378880000	1
4,4'-DDE	7768680000	7645780000	7550200000	7588550000	7409020000	7592450000	2
4,4'-DDT	6841050000	6803500000	6637840000	6652330000	6382250000	6663390000	3
Aldrin	8766150000	8705210000	8635070000	8657680000	8595010000	8671830000	1
alpha-BHC	10279400000	10079800000	9958260000	9819180000	9198160000	9866970000	4
alpha-Chlordane	8144420000	8211300000	8127490000	8435120000	8717860000	8327240000	3
beta-BHC	3856560000	3825760000	3870120000	4044470000	4293830000	3978150000	5
Decachlorobiphenyl	4790770000	4878130000	4964040000	5287180000	6025240000	5189070000	10
delta-BHC	9345060000	9200770000	9073180000	9002200000	8548720000	9033990000	3
Dieldrin	8065300000	8399370000	8165250000	8096170000	8615460000	8268310000	3
Endosulfan I	7264600000	6965080000	7193960000	7596220000	7851830000	7374340000	5
Endosulfan II	6727550000	6799990000	6773690000	7041530000	7182230000	6905000000	3
Endosulfan sulfate	6373610000	6493820000	6492610000	6787240000	7141880000	6657830000	5
Endrin	7139620000	7398350000	7208020000	7256580000	8004750000	7401460000	5
Endrin aldehyde	5031190000	5120350000	5235930000	5694060000	7710960000	5758500000	19
Endrin ketone	7064800000	8038380000	7654960000	7625480000	9115720000	7899870000	10
gamma-BHC (Lindane)	9445390000	9303450000	9218050000	9168550000	8800820000	9187250000	3
gamma-Chlordane	8467390000	8545470000	8460560000	8844200000	9148230000	8693170000	3
Heptachlor	9131850000	9119150000	9130340000	9236480000	9343400000	9192240000	1
Heptachlor epoxide	7728450000	7679940000	7764190000	7977750000	8339470000	7897960000	3
Methoxychlor	3422660000	3497520000	3535950000	3751710000	4018250000	3645220000	7
Tetrachloro-m-xylene	6022720000	5973970000	5995720000	6061780000	6377890000	6086420000	3



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
Instrument ID: ECD_L **Date(s) Analyzed:** 10/07/2025 10/07/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.20	6.10	6.30	39237900
		2	6.60	6.50	6.70	31957100
		3	7.01	6.91	7.11	141164000
		4	7.10	7.00	7.20	103403000
		5	7.88	7.78	7.98	74016500



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
Instrument ID: ECD_L **Date(s) Analyzed:** 10/07/2025 10/07/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.06	4.96	5.16	43648800
		2	5.75	5.65	5.85	54814100
		3	6.03	5.93	6.13	56569500
		4	6.66	6.56	6.76	172263000
		5	7.10	7.00	7.20	104730000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097526.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 10:33
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 11:27:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 11:25:02 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.822	405.8E6	602.3E6	99.993	100.225
28)	SA Decachlor...	8.995	7.980	280.7E6	479.1E6	98.109	98.224
Target Compounds							
2)	A alpha-BHC	3.971	3.327	705.8E6	1027.9E6	102.020	101.587
3)	MA gamma-BHC...	4.299	3.659	656.4E6	944.5E6	101.452	101.218
4)	MA Heptachlor	4.890	4.006	645.9E6	913.2E6	100.343	100.008
5)	MB Aldrin	5.229	4.288	610.0E6	876.6E6	101.010	100.753
6)	B beta-BHC	4.487	3.955	255.9E6	385.7E6	99.972	99.825
7)	B delta-BHC	4.732	4.187	616.2E6	934.5E6	101.157	101.476
8)	B Heptachlo...	5.648	4.790	541.1E6	772.8E6	98.367	99.769
9)	A Endosulfan I	6.029	5.161	491.8E6	726.5E6	100.170	100.489
10)	B gamma-Chl...	5.902	5.042	542.9E6	846.7E6	100.546	100.040
11)	B alpha-Chl...	5.982	5.106	535.3E6	814.4E6	100.176	100.104
12)	B 4,4'-DDE	6.152	5.294	477.0E6	776.9E6	101.165	101.426
13)	MA Dieldrin	6.302	5.425	532.5E6	806.5E6	100.885	99.384
14)	MA Endrin	6.528	5.699	450.9E6	714.0E6	100.510	99.523
15)	B Endosulfa...	6.741	5.991	442.2E6	672.8E6	98.275	99.658
16)	A 4,4'-DDD	6.661	5.846	378.4E6	636.4E6	99.305	100.181
17)	MA 4,4'-DDT	6.975	6.099	415.9E6	684.1E6	101.115	101.508
18)	B Endrin al...	6.870	6.169	316.5E6	503.1E6	99.310	98.006
19)	B Endosulfa...	7.104	6.393	391.1E6	637.4E6	99.659	99.075
20)	A Methoxychlor	7.448	6.671	199.3E6	342.3E6	99.783	98.372
21)	B Endrin ke...	7.583	6.897	422.7E6	706.5E6	99.979	95.991
22)	Mirex	8.060	7.085	285.5E6	487.6E6	97.441	97.818

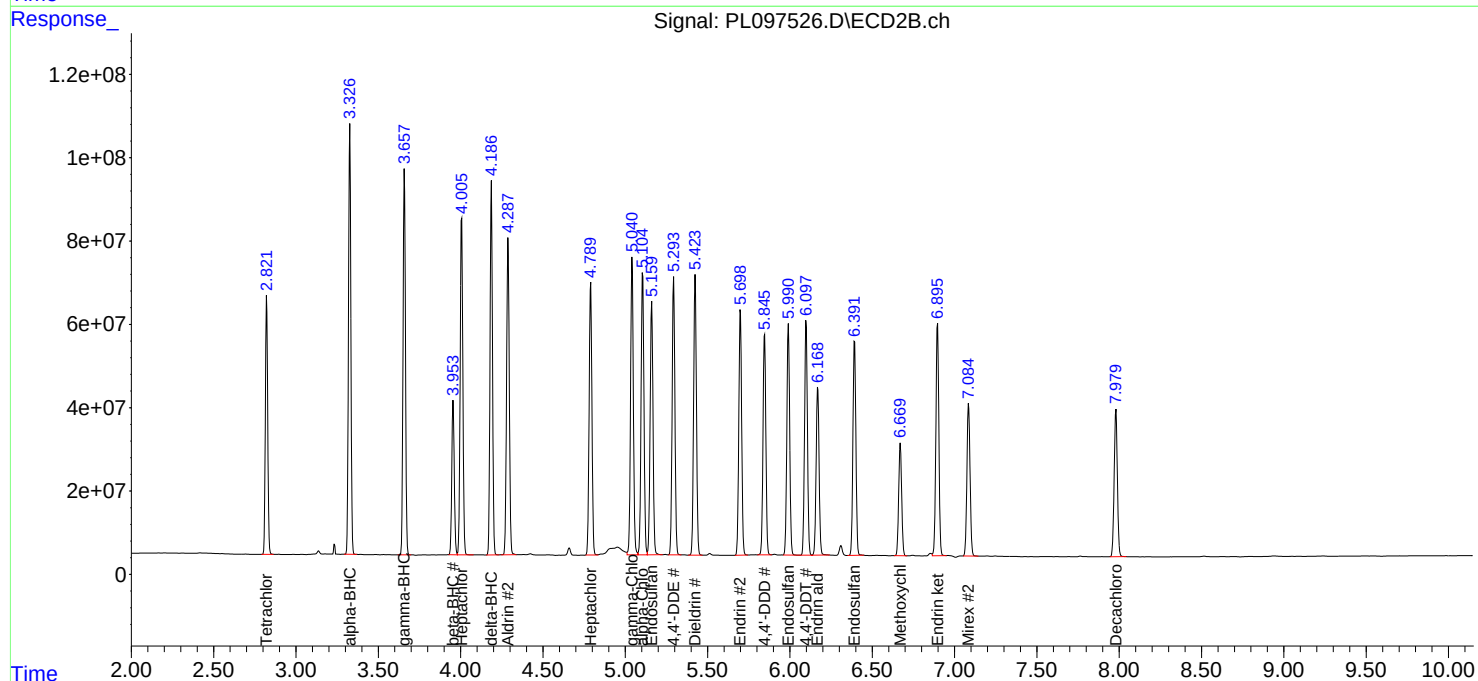
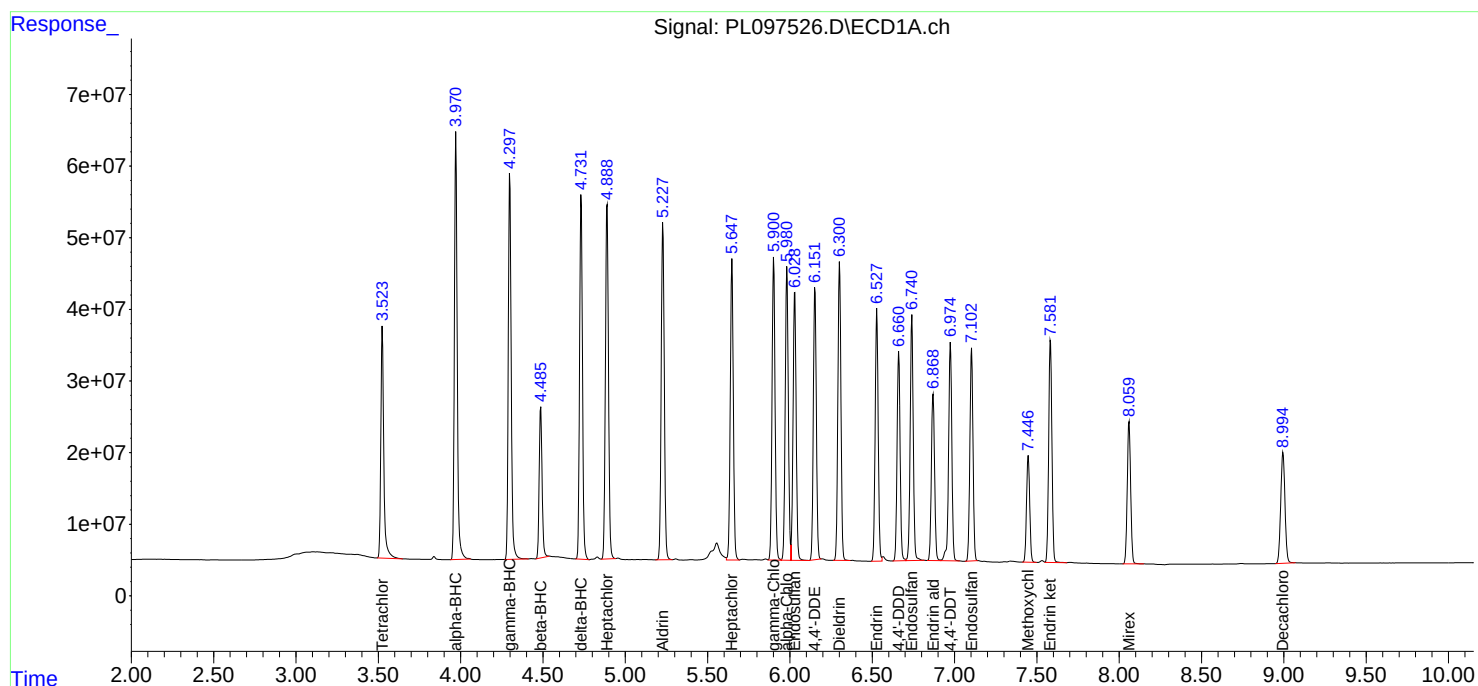
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

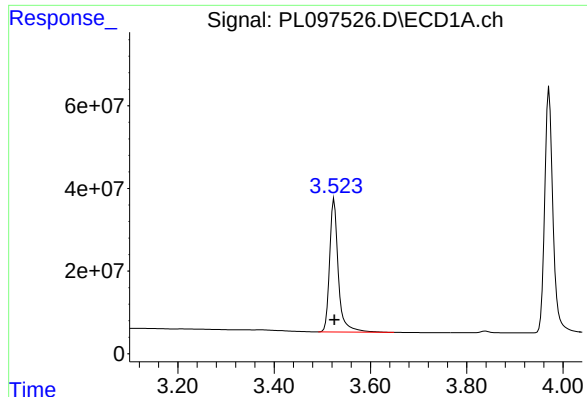
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:33
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:27:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 11:25:02 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 x0.25µm

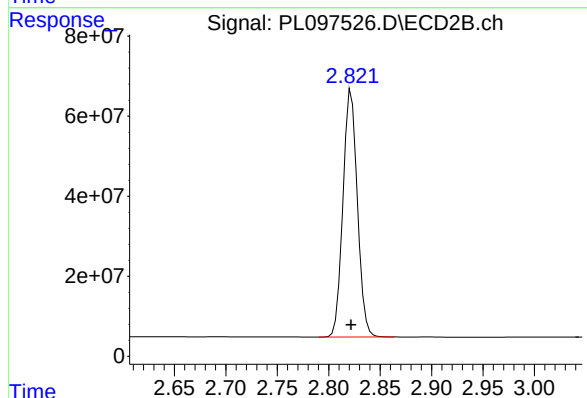




#1 Tetrachloro-m-xylene

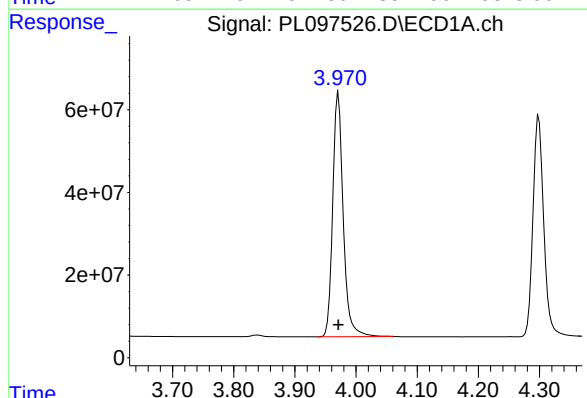
R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 405784728
Conc: 99.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



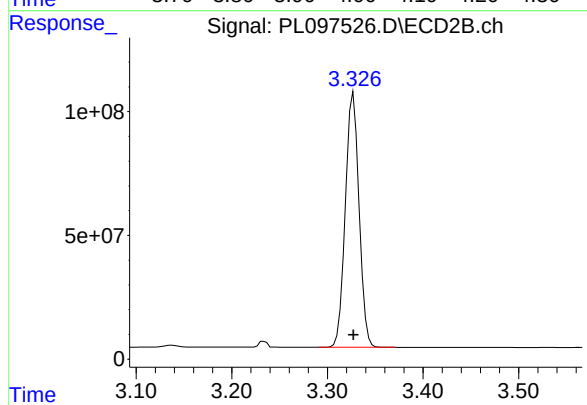
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 602272234
Conc: 100.22 ng/ml



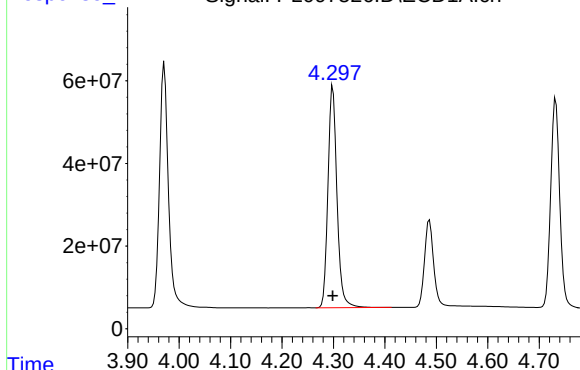
#2 alpha-BHC

R.T.: 3.971 min
Delta R.T.: 0.000 min
Response: 705776823
Conc: 102.02 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 1027944168
Conc: 101.59 ng/ml



R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 656435480
Conc: 101.45 ng/ml

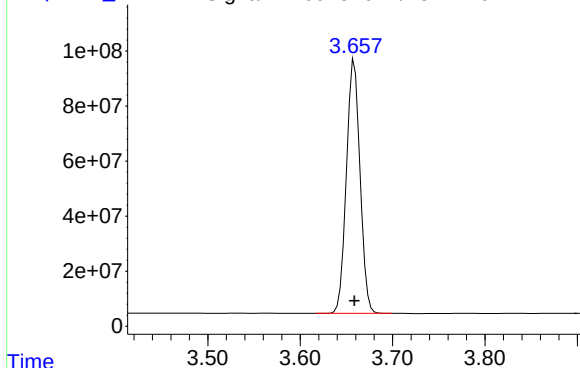
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL097526.D\ECD2B.ch

#3 gamma-BHC (Lindane)



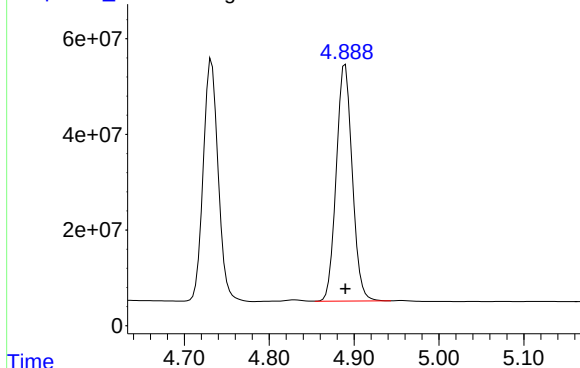
R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 944538686
Conc: 101.22 ng/ml

Time

Response_

Signal: PL097526.D\ECD1A.ch

#4 Heptachlor



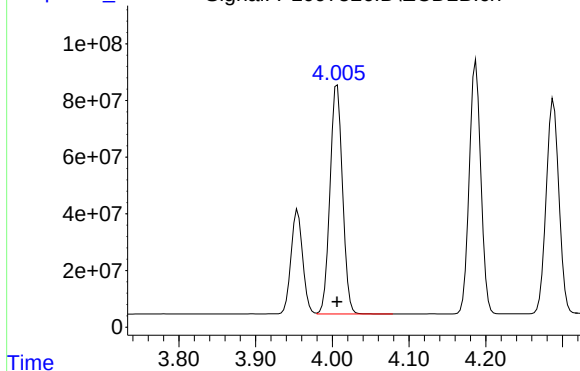
R.T.: 4.890 min
Delta R.T.: 0.000 min
Response: 645935870
Conc: 100.34 ng/ml

Time

Response_

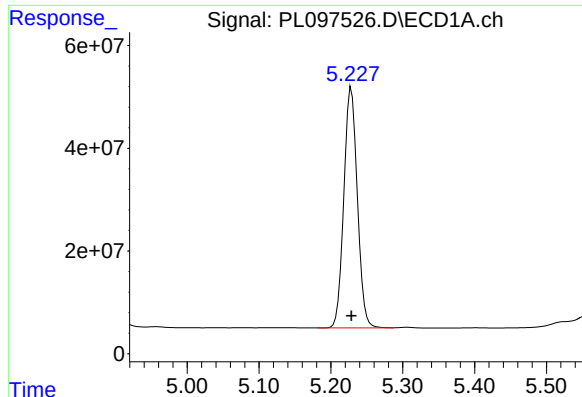
Signal: PL097526.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 913185011
Conc: 100.01 ng/ml

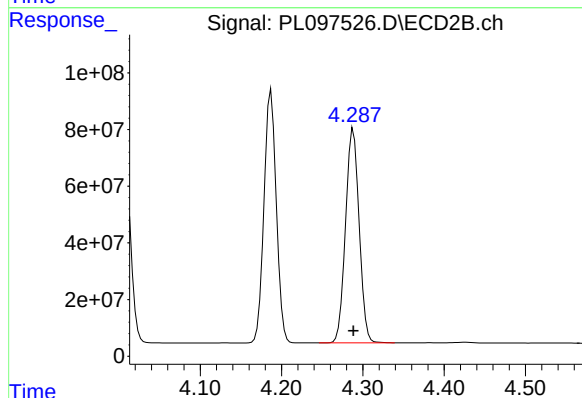
Time



#5 Aldrin

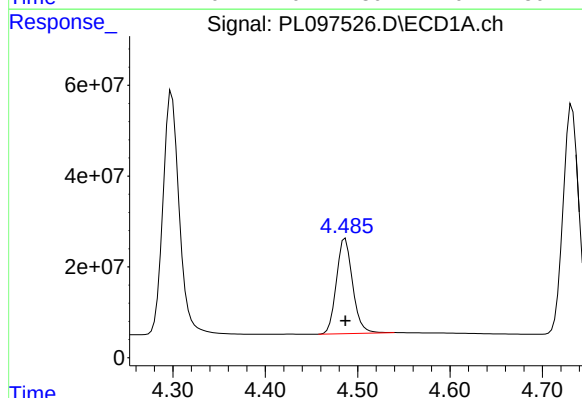
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 610018132
Conc: 101.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



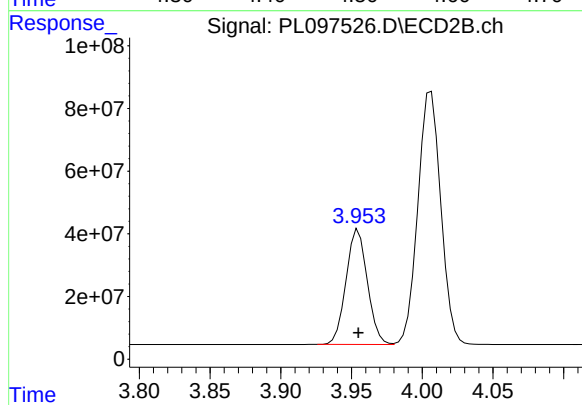
#5 Aldrin

R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 876615092
Conc: 100.75 ng/ml



#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 255903338
Conc: 99.97 ng/ml

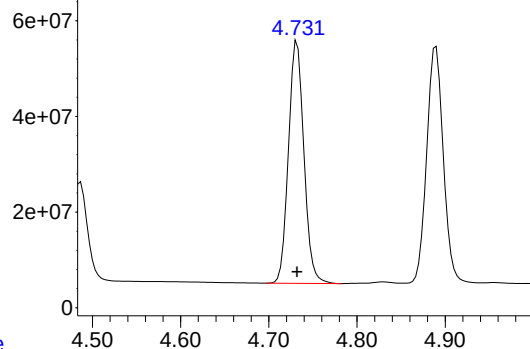


#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 385656247
Conc: 99.82 ng/ml

Response_ Signal: PL097526.D\ECD1A.ch

#7 delta-BHC

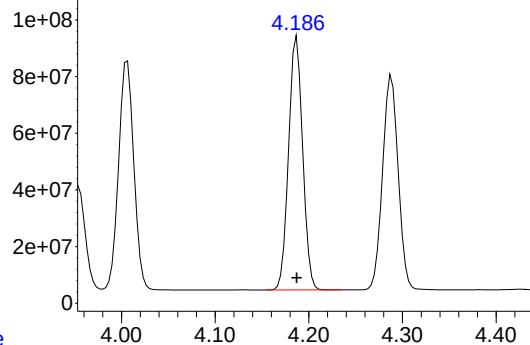


R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 616166638
Conc: 101.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time Response_ Signal: PL097526.D\ECD2B.ch

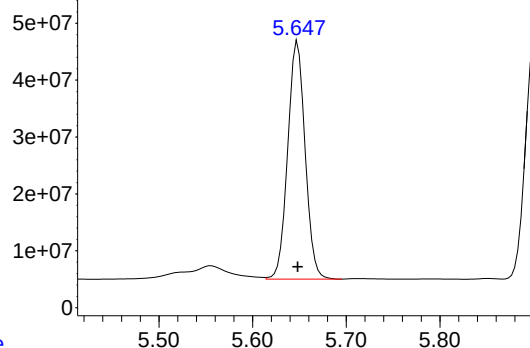
#7 delta-BHC



R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 934506430
Conc: 101.48 ng/ml

Time Response_ Signal: PL097526.D\ECD1A.ch

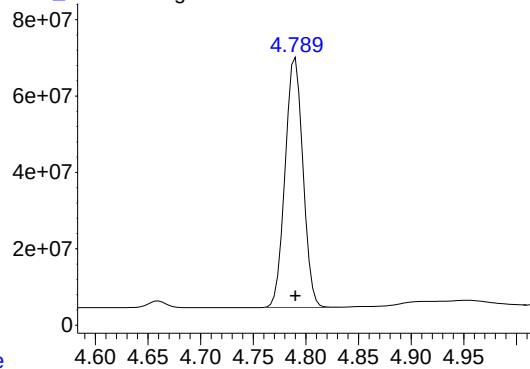
#8 Heptachlor epoxide



R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 541072468
Conc: 98.37 ng/ml

Time Response_ Signal: PL097526.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 772845405
Conc: 99.77 ng/ml

Response_

Signal: PL097526.D\ECD1A.ch

#9 Endosulfan I

R.T.: 6.029 min

Delta R.T.: 0.000 min

Response: 491789699

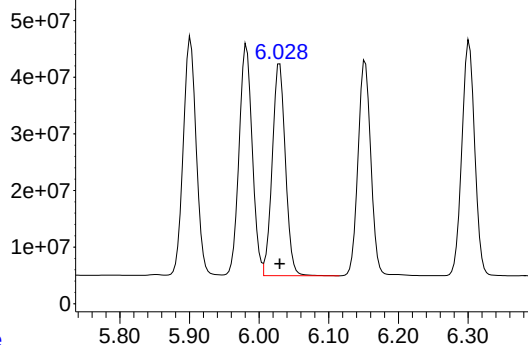
Conc: 100.17 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC100



Time

Response_

Signal: PL097526.D\ECD2B.ch

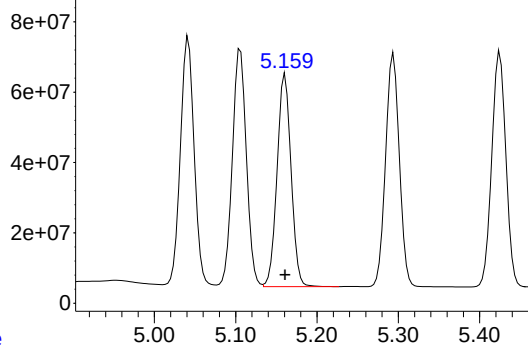
#9 Endosulfan I

R.T.: 5.161 min

Delta R.T.: 0.000 min

Response: 726459913

Conc: 100.49 ng/ml



Time

Response_

Signal: PL097526.D\ECD1A.ch

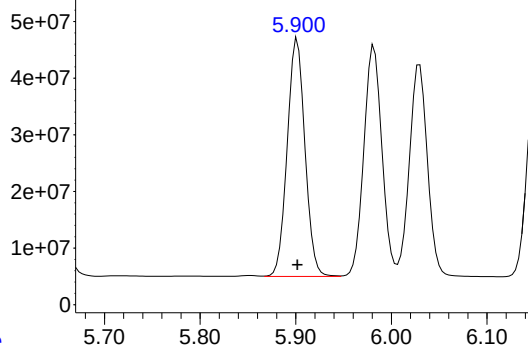
#10 gamma-Chlordane

R.T.: 5.902 min

Delta R.T.: 0.000 min

Response: 542911019

Conc: 100.55 ng/ml



Time

Response_

Signal: PL097526.D\ECD2B.ch

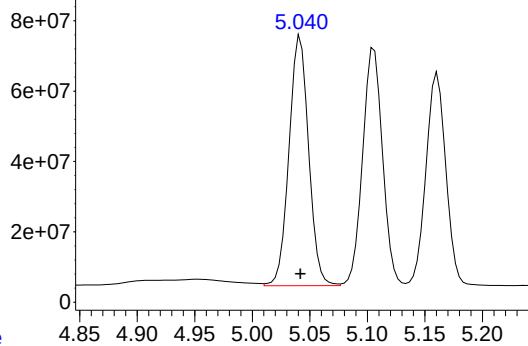
#10 gamma-Chlordane

R.T.: 5.042 min

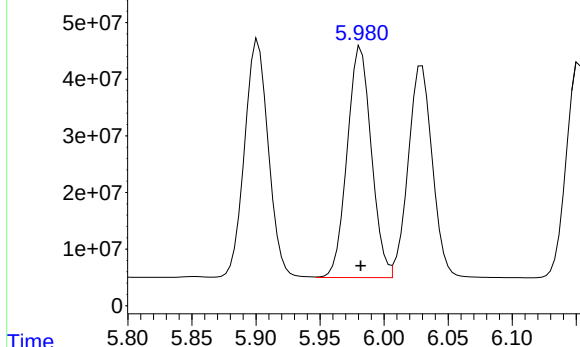
Delta R.T.: 0.000 min

Response: 846739397

Conc: 100.04 ng/ml



Time



R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 535328523
Conc: 100.18 ng/ml

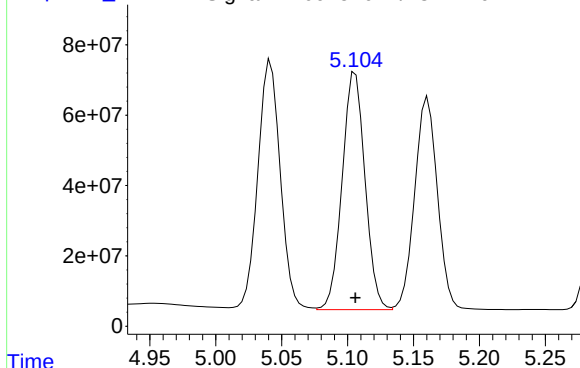
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL097526.D\ECD2B.ch

#11 alpha-Chlordane



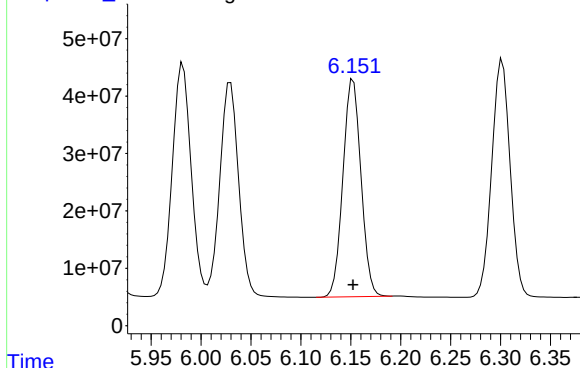
R.T.: 5.106 min
Delta R.T.: 0.000 min
Response: 814441698
Conc: 100.10 ng/ml

Time

Response_

Signal: PL097526.D\ECD1A.ch

#12 4,4'-DDE



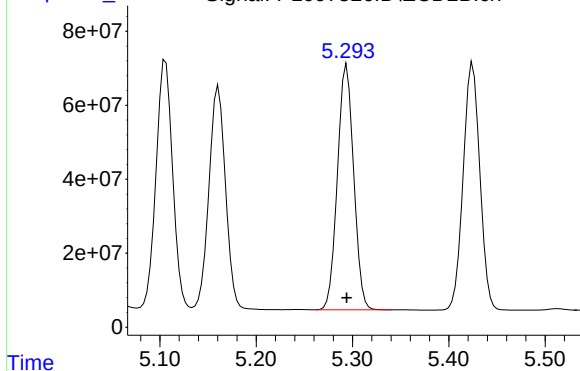
R.T.: 6.152 min
Delta R.T.: 0.000 min
Response: 476971701
Conc: 101.17 ng/ml

Time

Response_

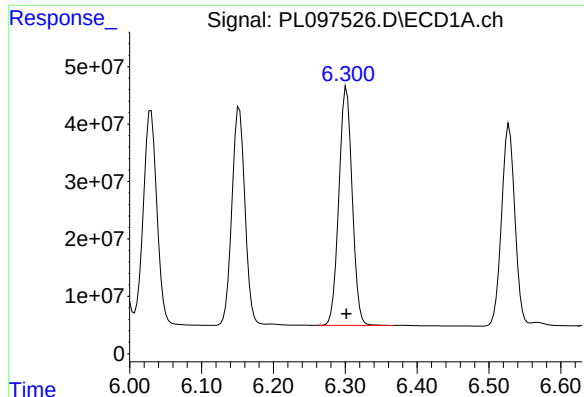
Signal: PL097526.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.294 min
Delta R.T.: 0.000 min
Response: 776867890
Conc: 101.43 ng/ml

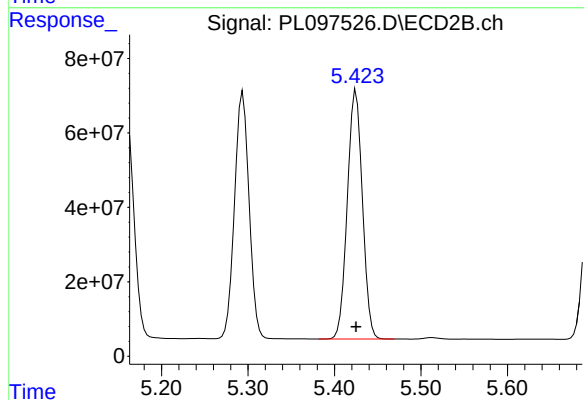
Time



#13 Dieldrin

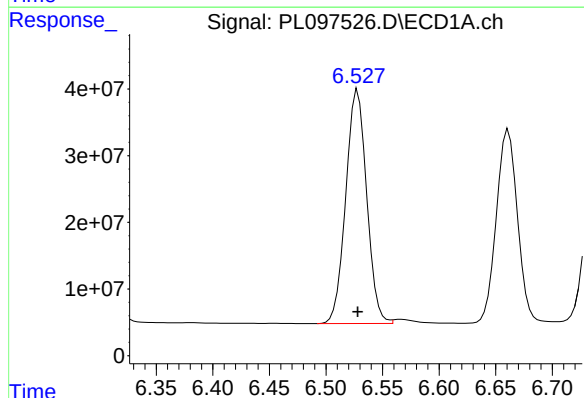
R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 532507675
Conc: 100.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



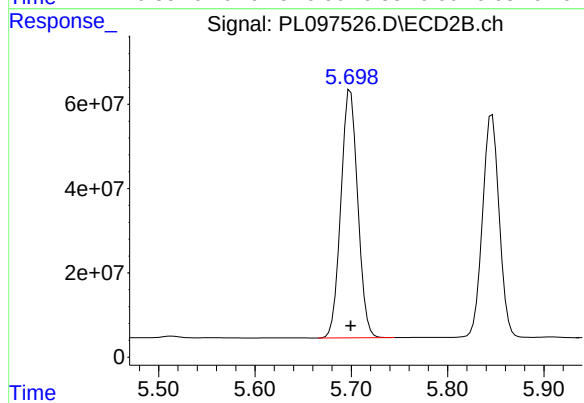
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: 0.000 min
Response: 806529540
Conc: 99.38 ng/ml



#14 Endrin

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 450911770
Conc: 100.51 ng/ml



#14 Endrin

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 713962107
Conc: 99.52 ng/ml

Response_ Signal: PL097526.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.741 min
Delta R.T.: 0.000 min
Response: 442207184
Conc: 98.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PL097526.D\ECD2B.ch

#15 Endosulfan II

R.T.: 5.991 min
Delta R.T.: 0.000 min
Response: 672754704
Conc: 99.66 ng/ml

Time

Response_ Signal: PL097526.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 378352033
Conc: 99.31 ng/ml

Time

Response_ Signal: PL097526.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 636352980
Conc: 100.18 ng/ml

Time

Response_ Signal: PL097526.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: 0.000 min
Response: 415866277
Conc: 101.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PL097526.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: 0.000 min
Response: 684104994
Conc: 101.51 ng/ml

Time

Response_ Signal: PL097526.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 316506348
Conc: 99.31 ng/ml

Time

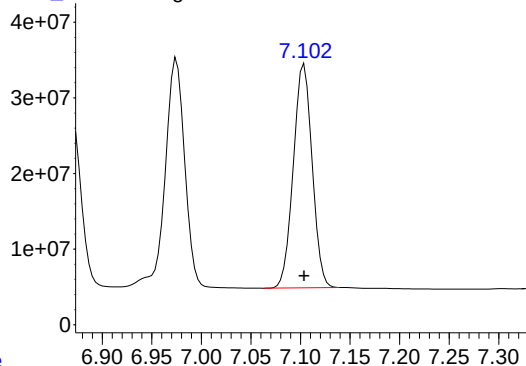
Response_ Signal: PL097526.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 503118640
Conc: 98.01 ng/ml

Time

Response_ Signal: PL097526.D\ECD1A.ch



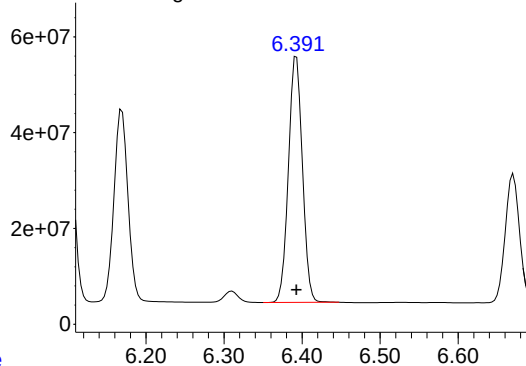
#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 391129687
Conc: 99.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PL097526.D\ECD2B.ch

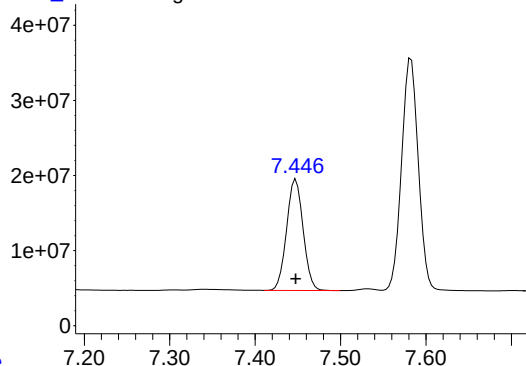


#19 Endosulfan Sulfate

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 637360618
Conc: 99.08 ng/ml

Time

Response_ Signal: PL097526.D\ECD1A.ch

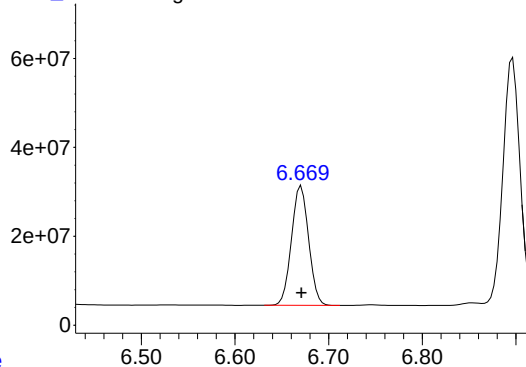


#20 Methoxychlor

R.T.: 7.448 min
Delta R.T.: 0.000 min
Response: 199324614
Conc: 99.78 ng/ml

Time

Response_ Signal: PL097526.D\ECD2B.ch

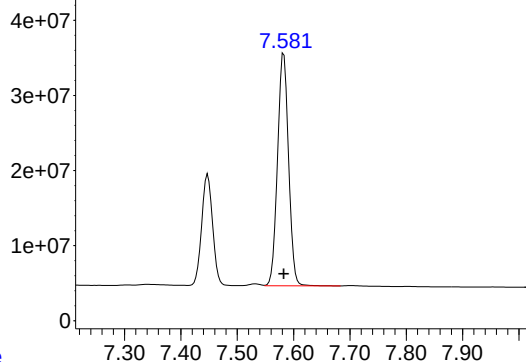


#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 342265978
Conc: 98.37 ng/ml

Time

Response_ Signal: PL097526.D\ECD1A.ch

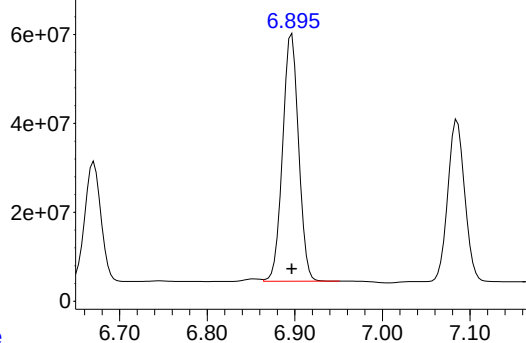


#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: 0.000 min
Response: 422670906
Conc: 99.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

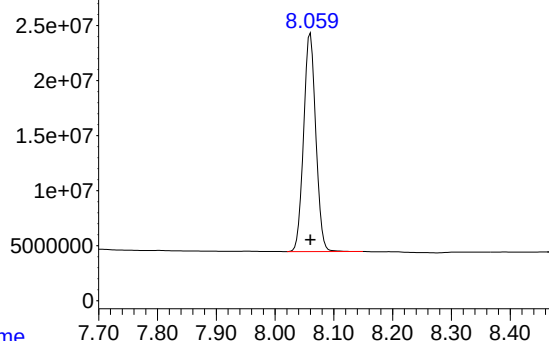
Time Response_ Signal: PL097526.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: 0.000 min
Response: 706479660
Conc: 95.99 ng/ml

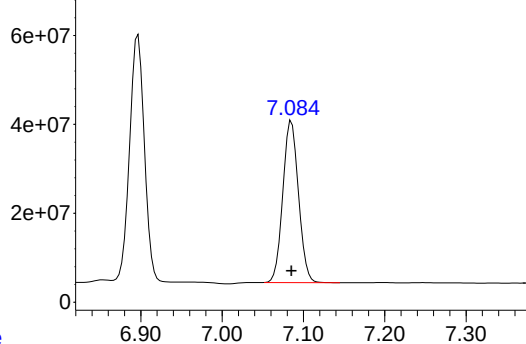
Time Response_ Signal: PL097526.D\ECD1A.ch



#22 Mirex

R.T.: 8.060 min
Delta R.T.: 0.000 min
Response: 285473225
Conc: 97.44 ng/ml

Time Response_ Signal: PL097526.D\ECD2B.ch



#22 Mirex

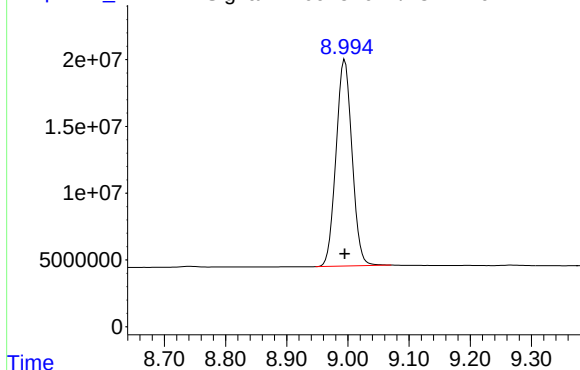
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 487553358
Conc: 97.82 ng/ml

Response_

Signal: PL097526.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 280695429
Conc: 98.11 ng/ml

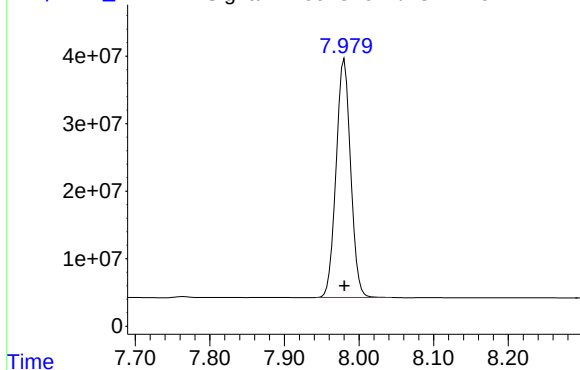
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL097526.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 479077293
Conc: 98.22 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097527.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 10:47
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 11:30:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 11:25:02 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.524	2.822	302.9E6	448.0E6	74.765	74.706
28)	SA Decachlor...	8.996	7.980	213.6E6	365.9E6	74.773	75.007
Target Compounds							
2)	A alpha-BHC	3.971	3.327	516.6E6	756.0E6	74.784	74.807
3)	MA gamma-BHC...	4.299	3.659	483.4E6	697.8E6	74.804	74.848
4)	MA Heptachlor	4.890	4.006	477.2E6	683.9E6	74.417	74.935
5)	MB Aldrin	5.229	4.288	451.6E6	652.9E6	74.857	75.026
6)	B beta-BHC	4.487	3.955	190.6E6	286.9E6	74.627	74.512
7)	B delta-BHC	4.732	4.187	455.0E6	690.1E6	74.798	74.955
8)	B Heptachlo...	5.646	4.790	420.6E6	576.0E6	75.990m	74.570
9)	A Endosulfan I	6.028	5.161	365.9E6	522.4E6	74.442m	73.150
10)	B gamma-Chl...	5.901	5.042	407.5E6	640.9E6	75.493m	75.480
11)	B alpha-Chl...	5.980	5.106	397.8E6	615.8E6	74.338m	75.462
12)	B 4,4'-DDE	6.153	5.294	356.9E6	573.4E6	75.468	74.911
13)	MA Dieldrin	6.302	5.425	393.8E6	630.0E6	74.738	76.730
14)	MA Endrin	6.526	5.700	338.0E6	554.9E6	75.358m	76.549
15)	B Endosulfa...	6.742	5.992	341.8E6	510.0E6	75.631	75.365
16)	A 4,4'-DDD	6.660	5.847	280.2E6	481.8E6	73.939m	75.561
17)	MA 4,4'-DDT	6.975	6.099	306.5E6	510.3E6	74.679	75.474
18)	B Endrin al...	6.870	6.170	236.5E6	384.0E6	74.470	74.871
19)	B Endosulfa...	7.104	6.393	292.5E6	487.0E6	74.689	75.470
20)	A Methoxychlor	7.447	6.670	157.2E6	262.3E6	77.591m	75.261
21)	B Endrin ke...	7.583	6.897	314.8E6	602.9E6	74.648	79.472
22)	Mirex	8.061	7.086	217.5E6	373.6E6	74.492	74.976

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097527.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:47
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

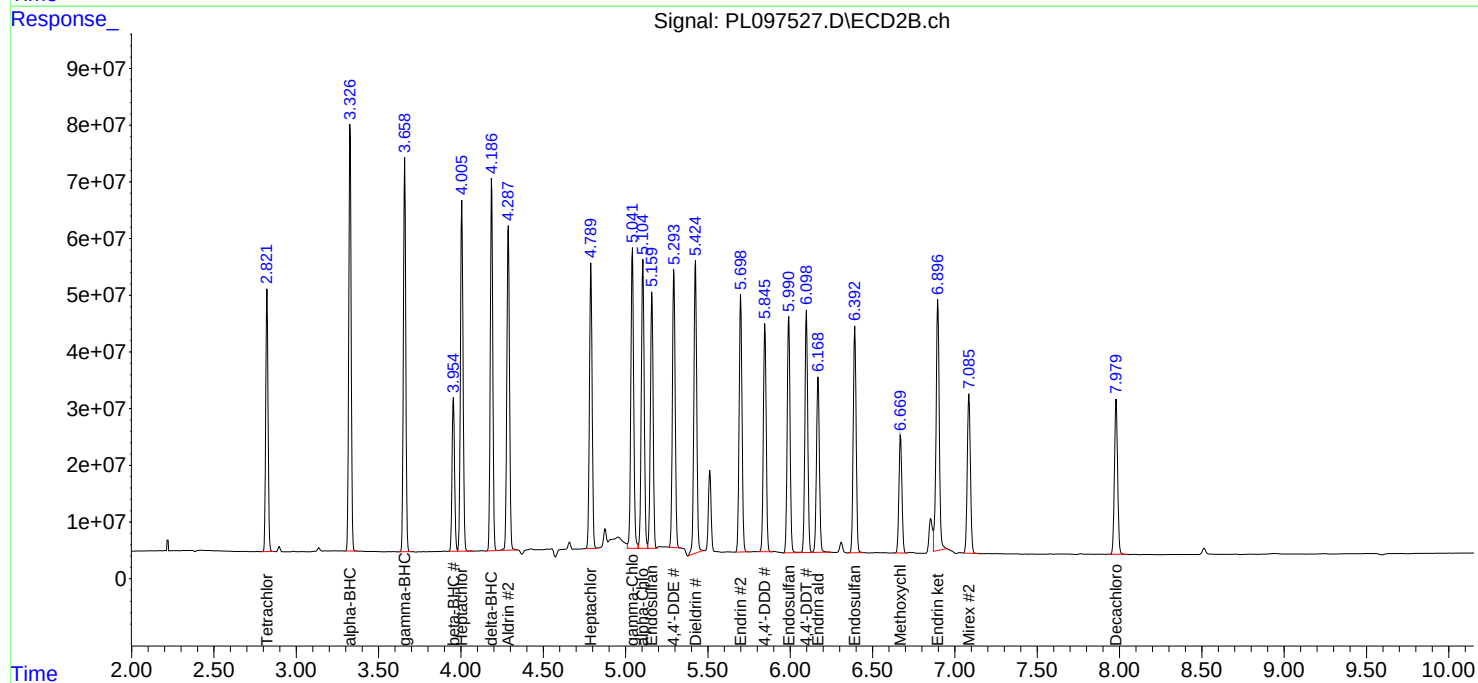
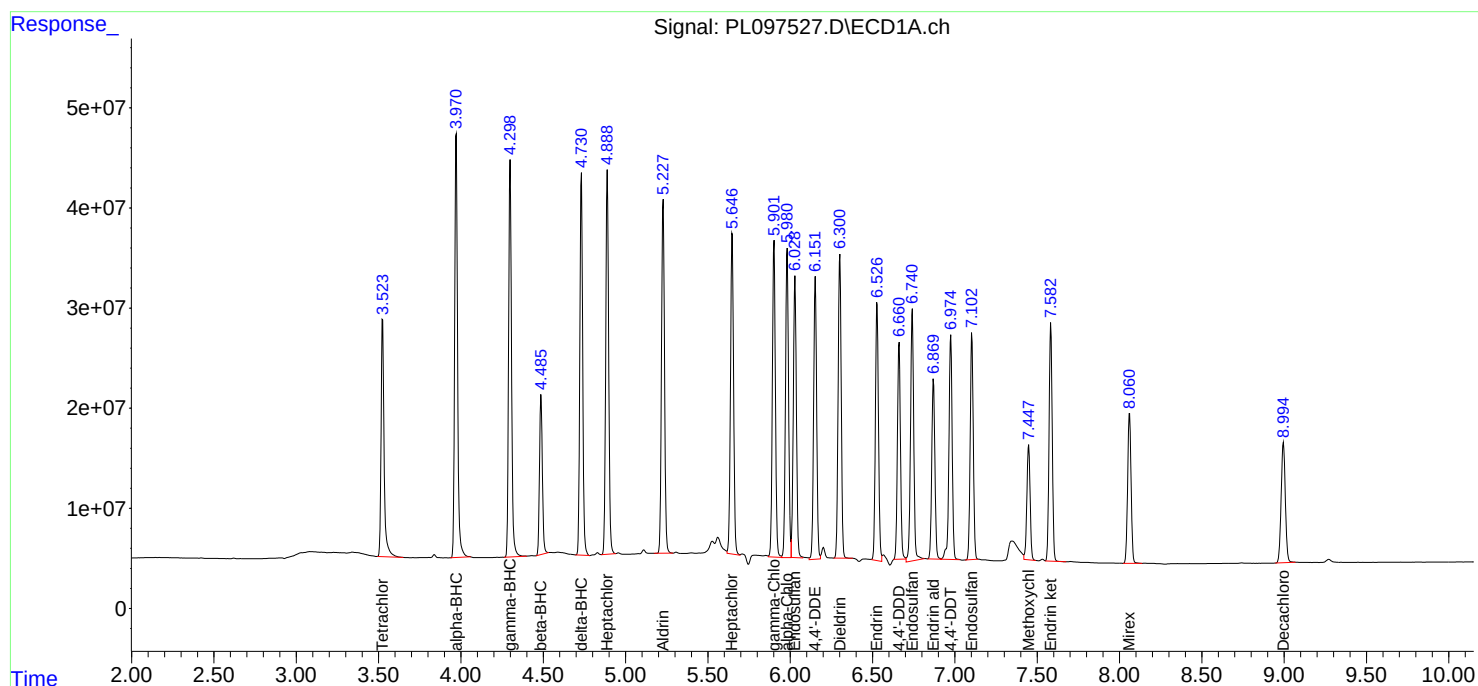
APPROVED

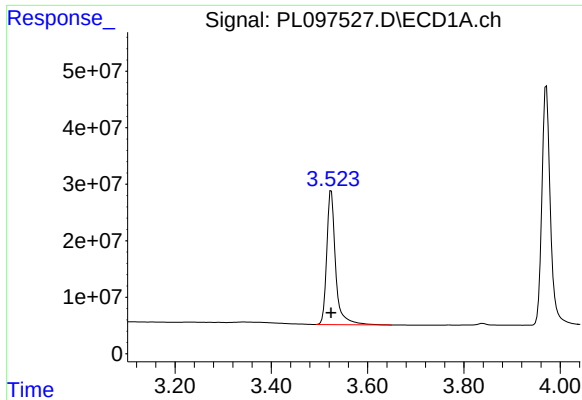
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:30:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 11:25:02 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 x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: 0.000 min
Response: 302930247
Conc: 74.76 ng/ml

Instrument :

ECD_L

ClientSampleId :

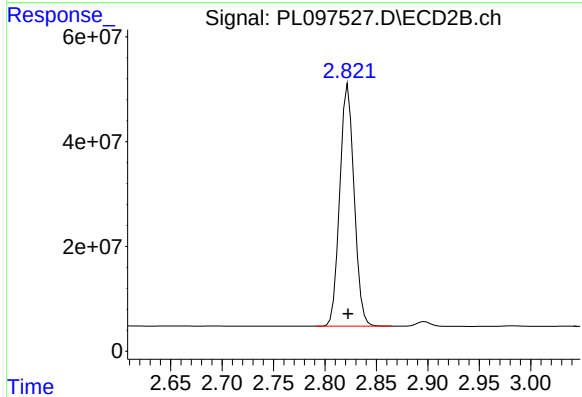
PSTDICC075

Manual Integrations

APPROVED

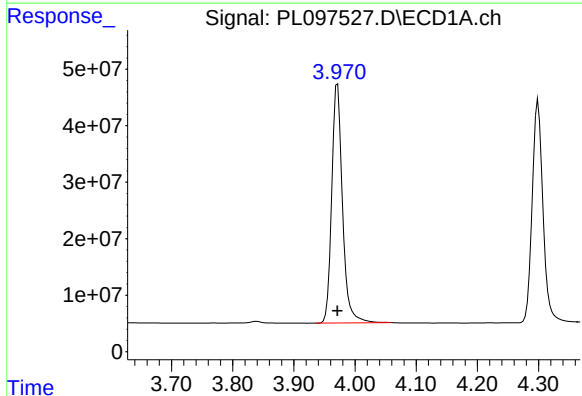
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



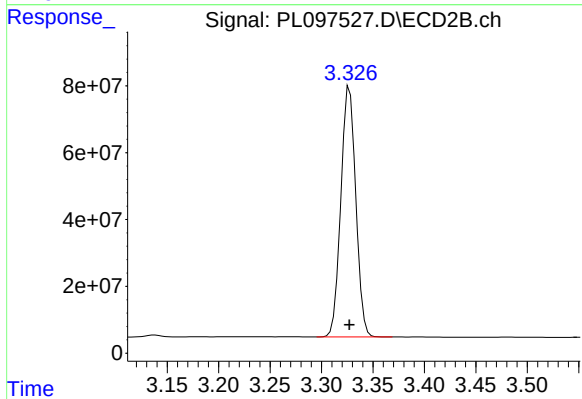
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 448047560
Conc: 74.71 ng/ml



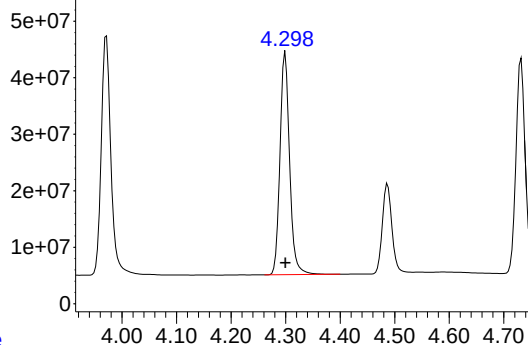
#2 alpha-BHC

R.T.: 3.971 min
Delta R.T.: 0.000 min
Response: 516617502
Conc: 74.78 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 755985175
Conc: 74.81 ng/ml



R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 483383553
Conc: 74.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

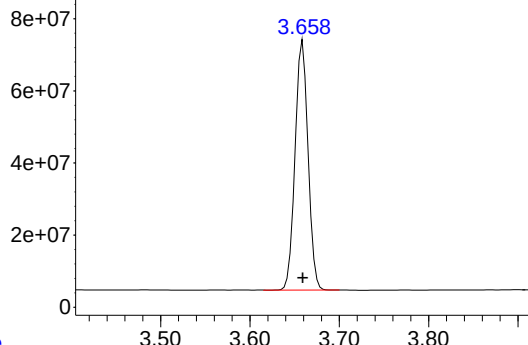
Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Time

Response_

Signal: PL097527.D\ECD2B.ch

#3 gamma-BHC (Lindane)



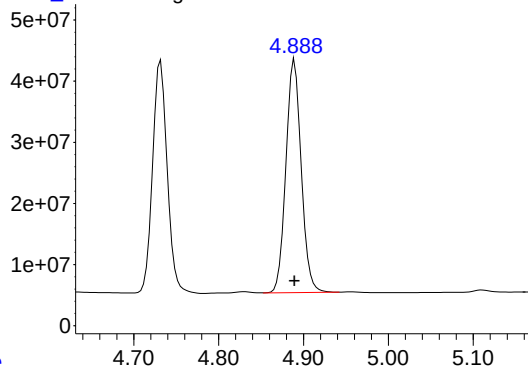
R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 697758459
Conc: 74.85 ng/ml

Time

Response_

Signal: PL097527.D\ECD1A.ch

#4 Heptachlor



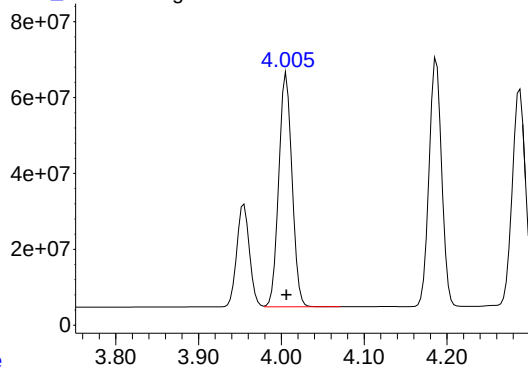
R.T.: 4.890 min
Delta R.T.: 0.000 min
Response: 477189790
Conc: 74.42 ng/ml

Time

Response_

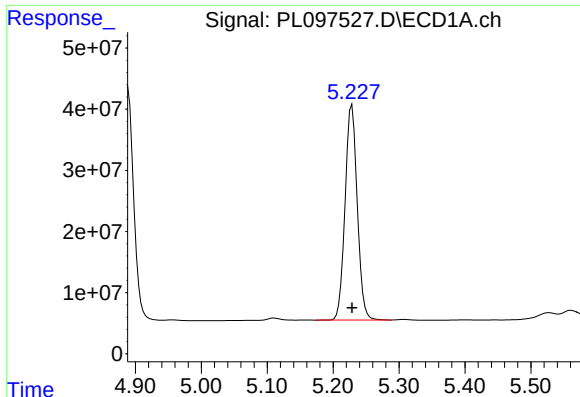
Signal: PL097527.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 683936271
Conc: 74.93 ng/ml

Time



#5 Aldrin

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 451646966
Conc: 74.86 ng/ml

Instrument :

ECD_L

ClientSampleId :

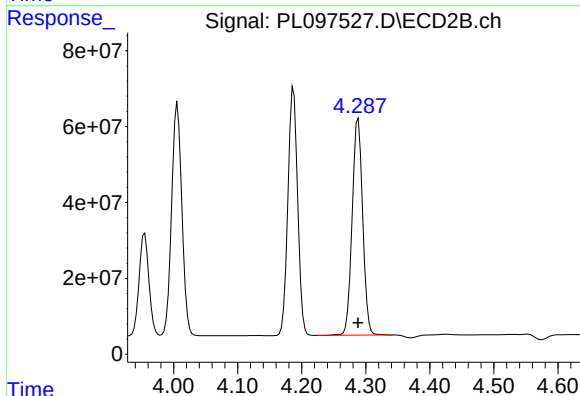
PSTDICC075

Manual Integrations

APPROVED

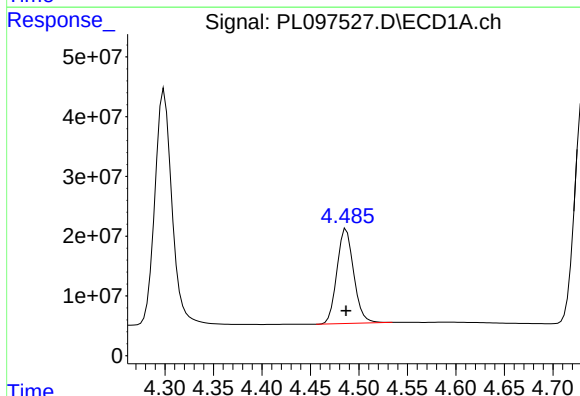
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



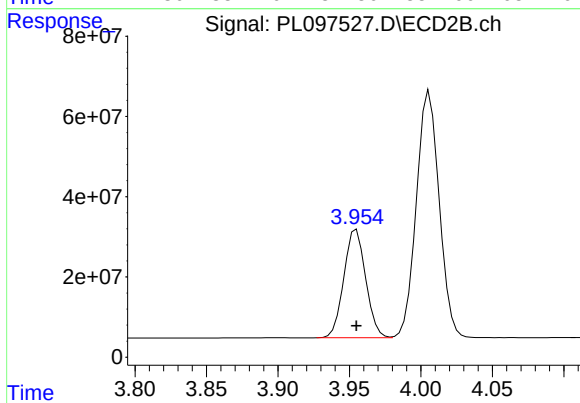
#5 Aldrin

R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 652890999
Conc: 75.03 ng/ml



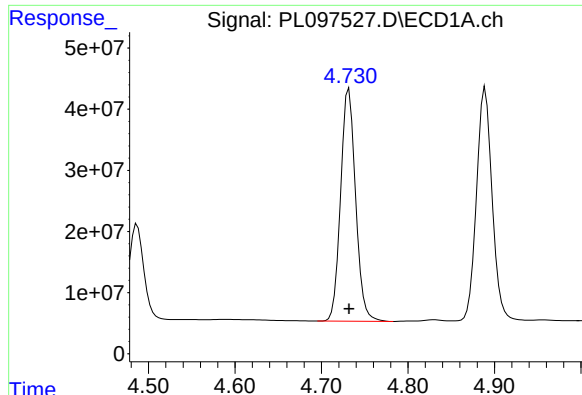
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 190550928
Conc: 74.63 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 286931948
Conc: 74.51 ng/ml



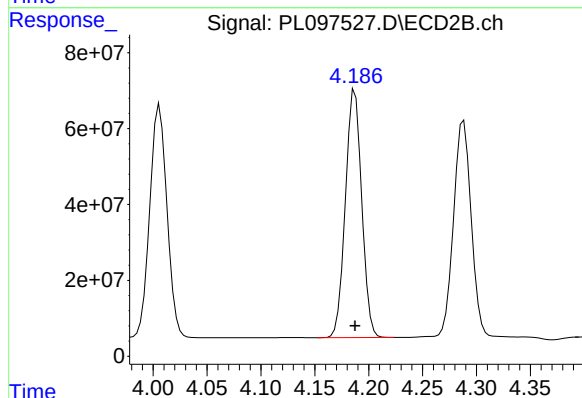
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 454996867
Conc: 74.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

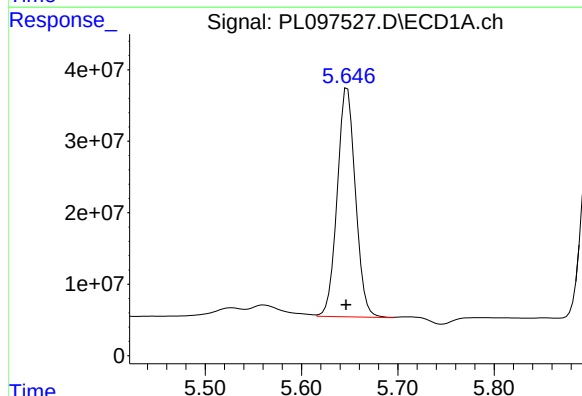
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



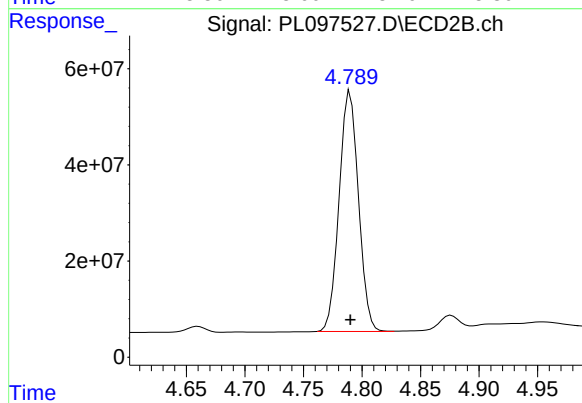
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 690058074
Conc: 74.95 ng/ml



#8 Heptachlor epoxide

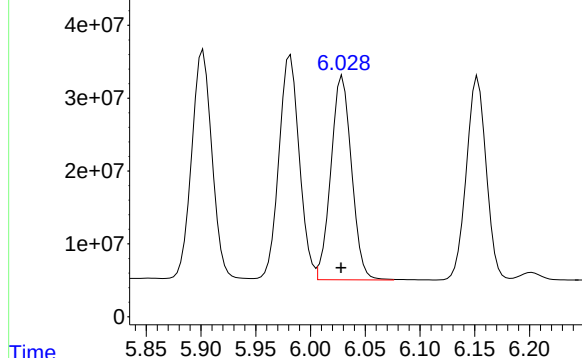
R.T.: 5.646 min
Delta R.T.: 0.000 min
Response: 420569748
Conc: 75.99 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 575995630
Conc: 74.57 ng/ml

Response_ Signal: PL097527.D\ECD1A.ch



#9 Endosulfan I

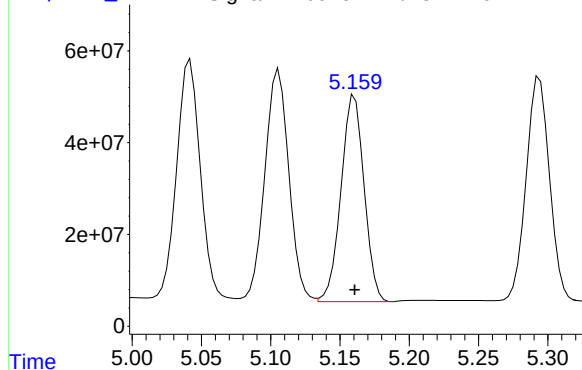
R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 365885715
Conc: 74.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

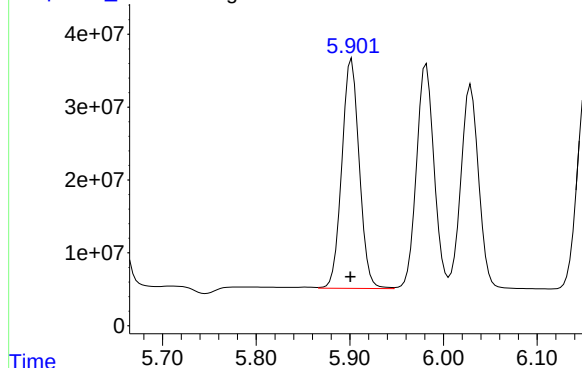
Response_ Signal: PL097527.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 522380899
Conc: 73.15 ng/ml

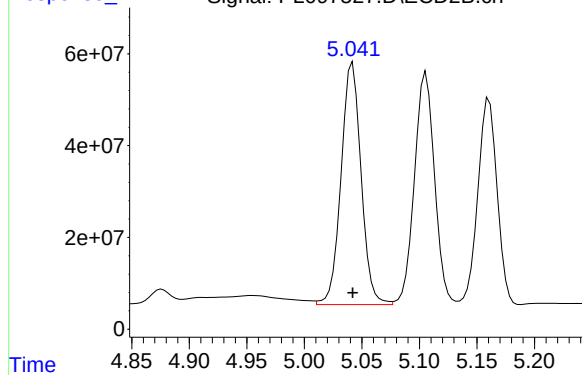
Response_ Signal: PL097527.D\ECD1A.ch



#10 gamma-Chlordane

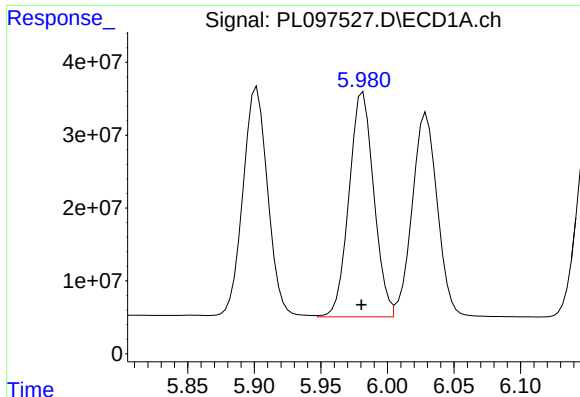
R.T.: 5.901 min
Delta R.T.: 0.000 min
Response: 407518316
Conc: 75.49 ng/ml m

Response_ Signal: PL097527.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 640909927
Conc: 75.48 ng/ml



#11 alpha-Chlordane

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 397757163
Conc: 74.34 ng/ml

Instrument :

ECD_L

ClientSampleId :

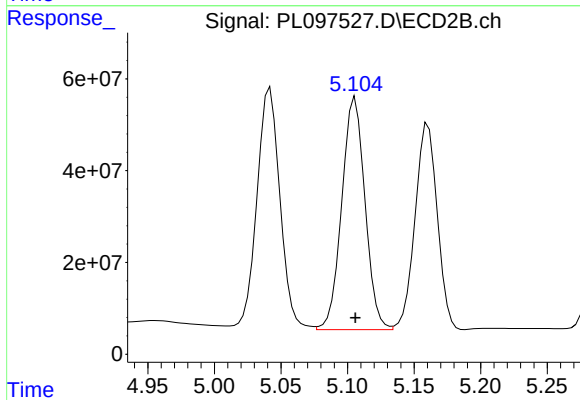
PSTDICC075

Manual Integrations

APPROVED

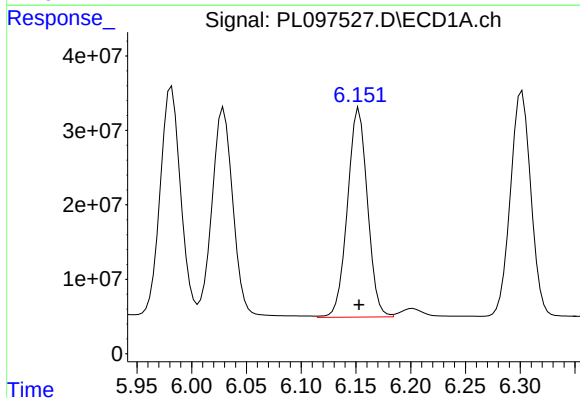
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



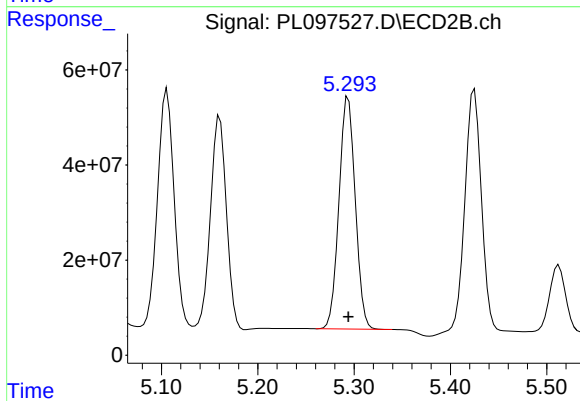
#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: 0.000 min
Response: 615847187
Conc: 75.46 ng/ml



#12 4,4'-DDE

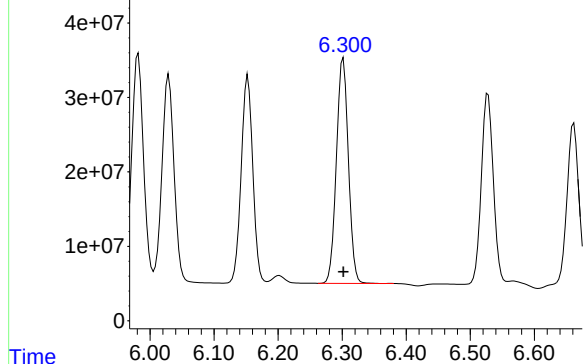
R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 356926123
Conc: 75.47 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: 0.000 min
Response: 573433508
Conc: 74.91 ng/ml

Response_ Signal: PL097527.D\ECD1A.ch



#13 Dieldrin

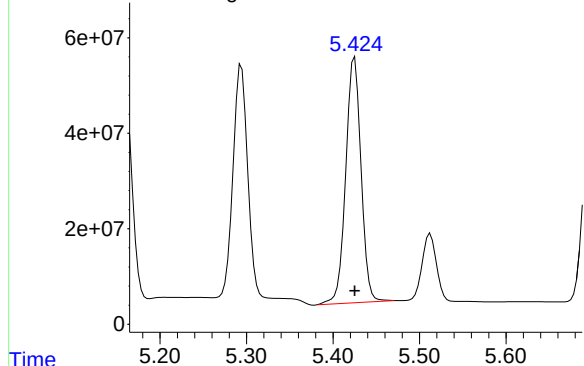
R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 393808283
Conc: 74.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

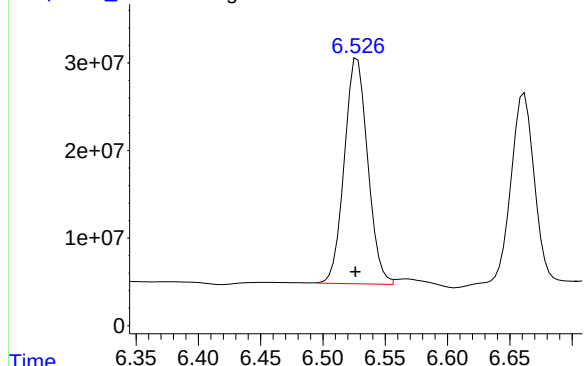
Time Response_ Signal: PL097527.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: 0.000 min
Response: 629952690
Conc: 76.73 ng/ml

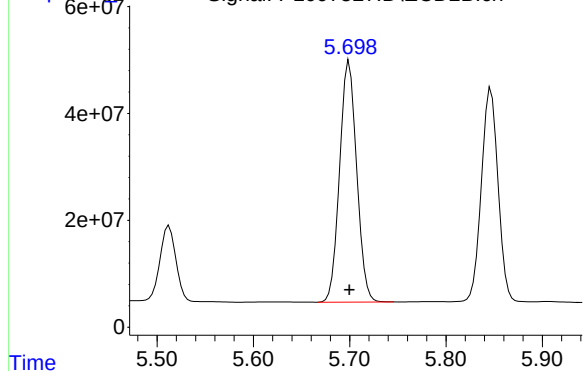
Time Response_ Signal: PL097527.D\ECD1A.ch



#14 Endrin

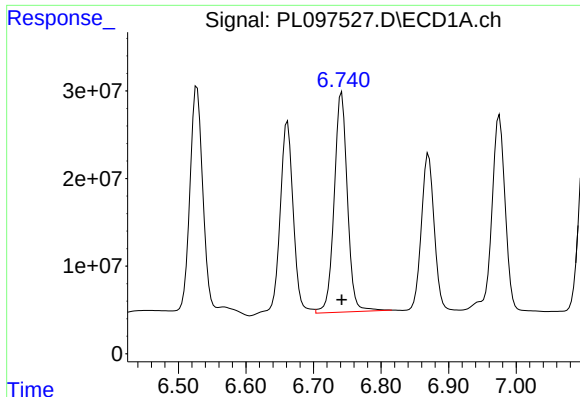
R.T.: 6.526 min
Delta R.T.: 0.000 min
Response: 338042167
Conc: 75.36 ng/ml m

Time Response_ Signal: PL097527.D\ECD2B.ch



#14 Endrin

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 554876055
Conc: 76.55 ng/ml



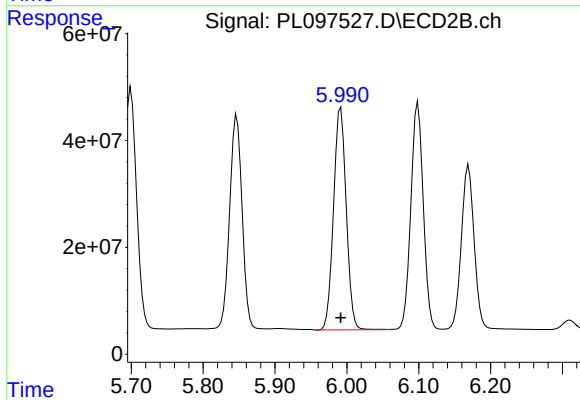
#15 Endosulfan II

R.T.: 6.742 min
Delta R.T.: 0.000 min
Response: 341750205
Conc: 75.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

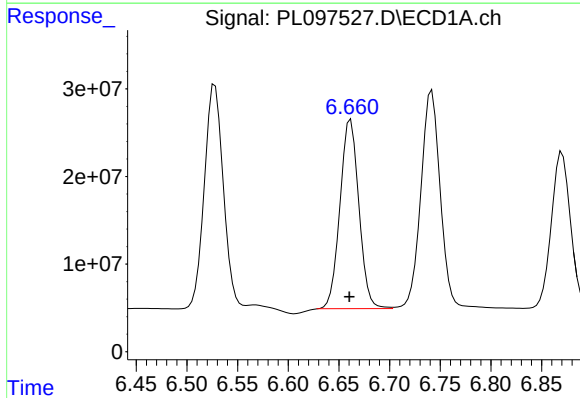
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



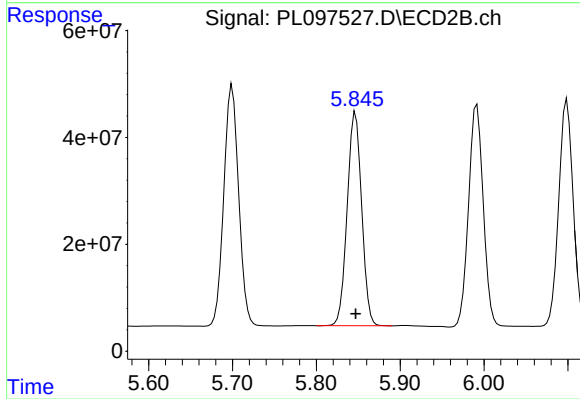
#15 Endosulfan II

R.T.: 5.992 min
Delta R.T.: 0.000 min
Response: 509999026
Conc: 75.36 ng/ml



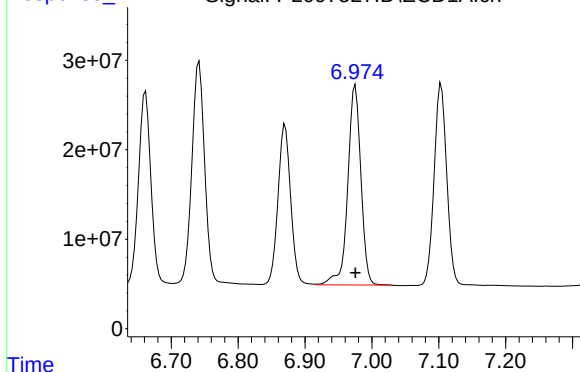
#16 4,4'-DDD

R.T.: 6.660 min
Delta R.T.: 0.000 min
Response: 280183888
Conc: 73.94 ng/ml m



#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: 0.000 min
Response: 481771702
Conc: 75.56 ng/ml



R.T.: 6.975 min
Delta R.T.: 0.000 min
Response: 306485212
Conc: 74.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

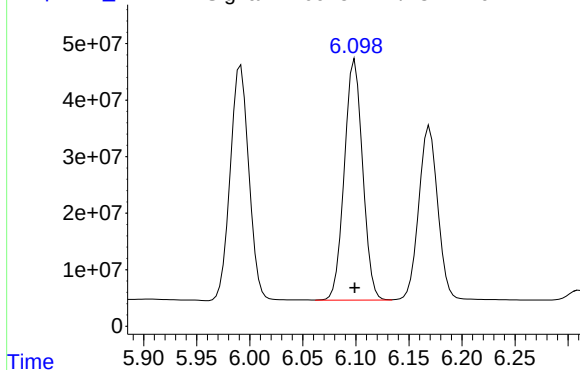
Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Time

Response_

Signal: PL097527.D\ECD2B.ch

#17 4,4'-DDT



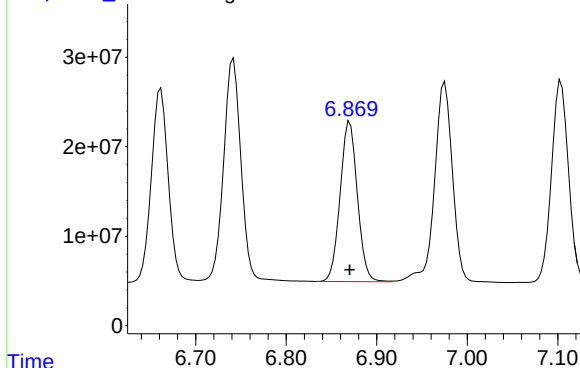
R.T.: 6.099 min
Delta R.T.: 0.000 min
Response: 510262134
Conc: 75.47 ng/ml

Time

Response_

Signal: PL097527.D\ECD1A.ch

#18 Endrin aldehyde



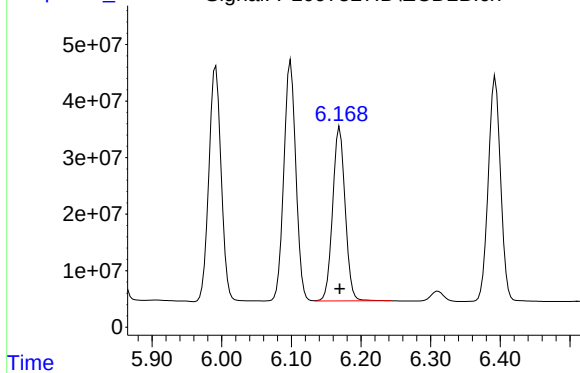
R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 236501651
Conc: 74.47 ng/ml

Time

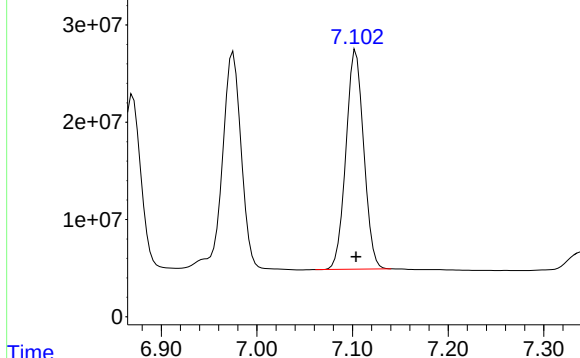
Response_

Signal: PL097527.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 384026584
Conc: 74.87 ng/ml

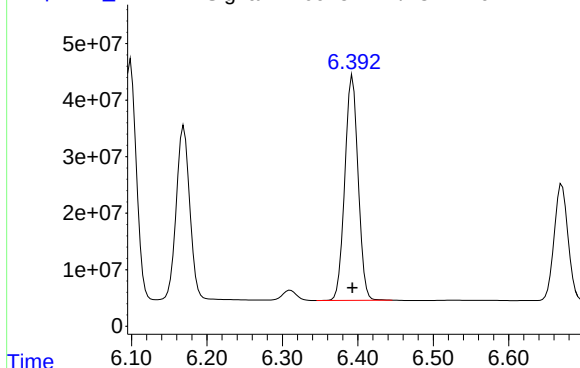


R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 292524727
Conc: 74.69 ng/ml

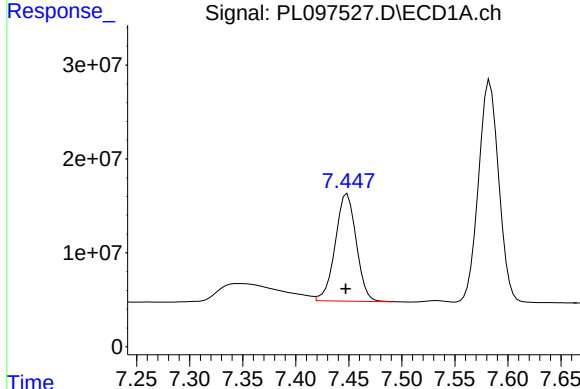
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

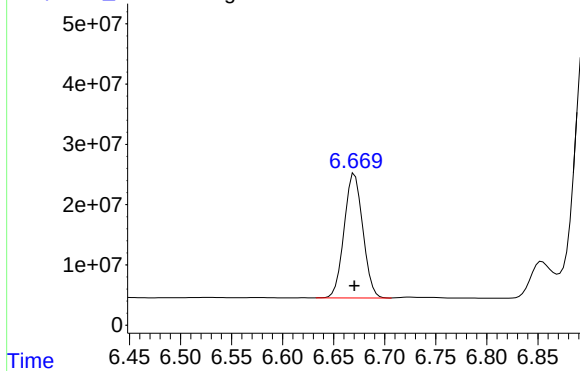
Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



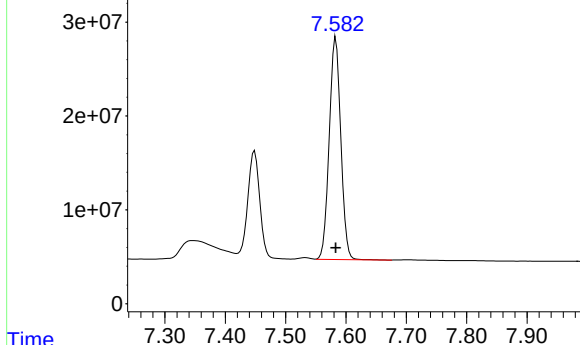
R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 487036846
Conc: 75.47 ng/ml



R.T.: 7.447 min
Delta R.T.: 0.000 min
Response: 157177153
Conc: 77.59 ng/ml m



R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 262313861
Conc: 75.26 ng/ml



R.T.: 7.583 min
Delta R.T.: 0.000 min
Response: 314843055
Conc: 74.65 ng/ml

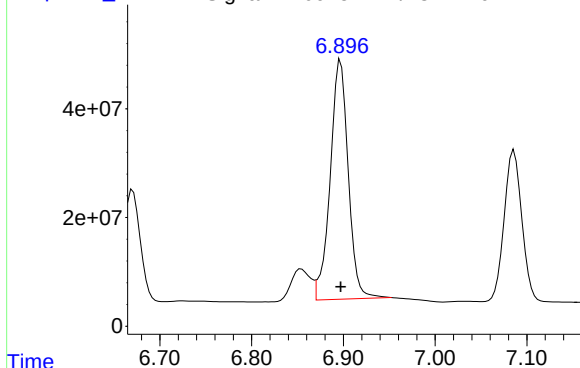
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Time Response_ Signal: PL097527.D\ECD2B.ch

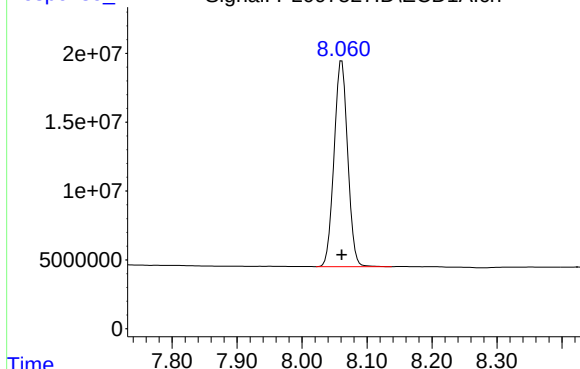
#21 Endrin ketone



R.T.: 6.897 min
Delta R.T.: 0.000 min
Response: 602878858
Conc: 79.47 ng/ml

Time Response_ Signal: PL097527.D\ECD1A.ch

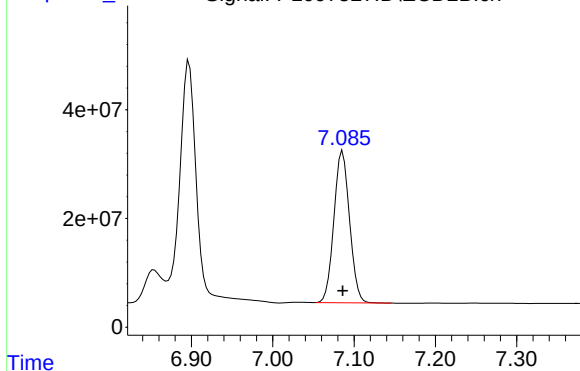
#22 Mirex



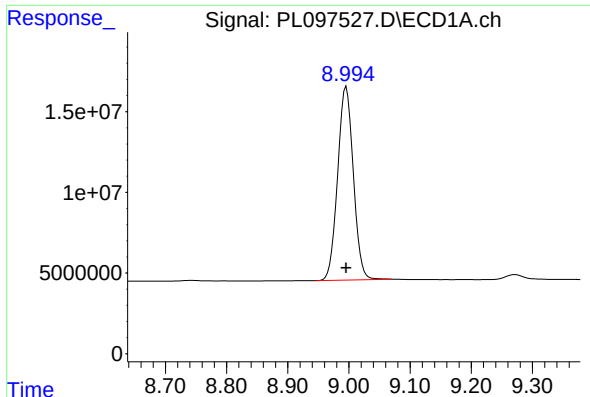
R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 217502312
Conc: 74.49 ng/ml

Time Response_ Signal: PL097527.D\ECD2B.ch

#22 Mirex



R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 373645226
Conc: 74.98 ng/ml



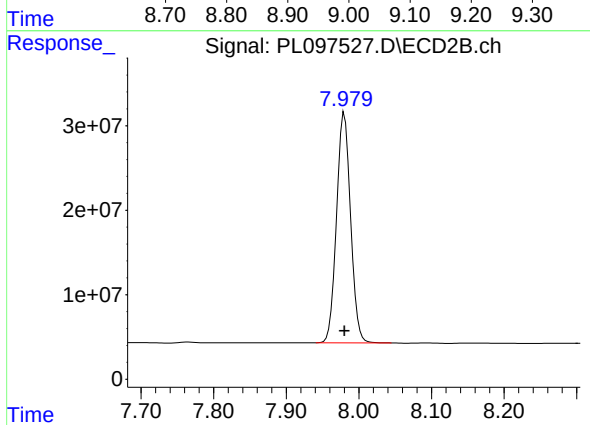
#28 Decachlorobiphenyl

R.T.: 8.996 min
Delta R.T.: 0.000 min
Response: 213606726
Conc: 74.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 365860089
Conc: 75.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097528.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 11:00
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 11:25:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 11:25:02 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.823	202.9E6	299.8E6	50.000	50.000
28)	SA Decachlor...	8.995	7.980	145.8E6	248.2E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.972	3.328	338.9E6	497.9E6	50.000	50.000
3)	MA gamma-BHC...	4.300	3.659	318.8E6	460.9E6	50.000	50.000
4)	MA Heptachlor	4.890	4.007	320.8E6	456.5E6	50.000	50.000
5)	MB Aldrin	5.229	4.288	298.9E6	431.8E6	50.000	50.000
6)	B beta-BHC	4.487	3.955	128.0E6	193.5E6	50.000	50.000
7)	B delta-BHC	4.732	4.187	301.0E6	453.7E6	50.000	50.000
8)	B Heptachlo...	5.648	4.790	279.5E6	388.2E6	50.000	50.000
9)	A Endosulfan I	6.030	5.161	245.1E6	359.7E6	50.000	50.000
10)	B gamma-Chl...	5.902	5.042	268.5E6	423.0E6	50.000	50.000
11)	B alpha-Chl...	5.982	5.106	266.7E6	406.4E6	50.000	50.000
12)	B 4,4'-DDE	6.153	5.295	233.0E6	377.5E6	50.000	50.000
13)	MA Dieldrin	6.302	5.425	261.6E6	408.3E6	50.000	50.000
14)	MA Endrin	6.528	5.699	223.2E6	360.4E6	50.000	50.000
15)	B Endosulfa...	6.741	5.991	228.9E6	338.7E6	50.000	50.000
16)	A 4,4'-DDD	6.661	5.846	191.8E6	317.0E6	50.000	50.000
17)	MA 4,4'-DDT	6.975	6.099	203.3E6	331.9E6	50.000	50.000
18)	B Endrin al...	6.871	6.169	160.5E6	261.8E6	50.000	50.000
19)	B Endosulfa...	7.104	6.393	196.9E6	324.6E6	50.000	50.000
20)	A Methoxychlor	7.448	6.671	100.1E6	176.8E6	50.000	50.000
21)	B Endrin ke...	7.583	6.897	211.4E6	382.7E6	50.000	50.000
22)	Mirex	8.061	7.086	150.2E6	254.7E6	50.000	50.000

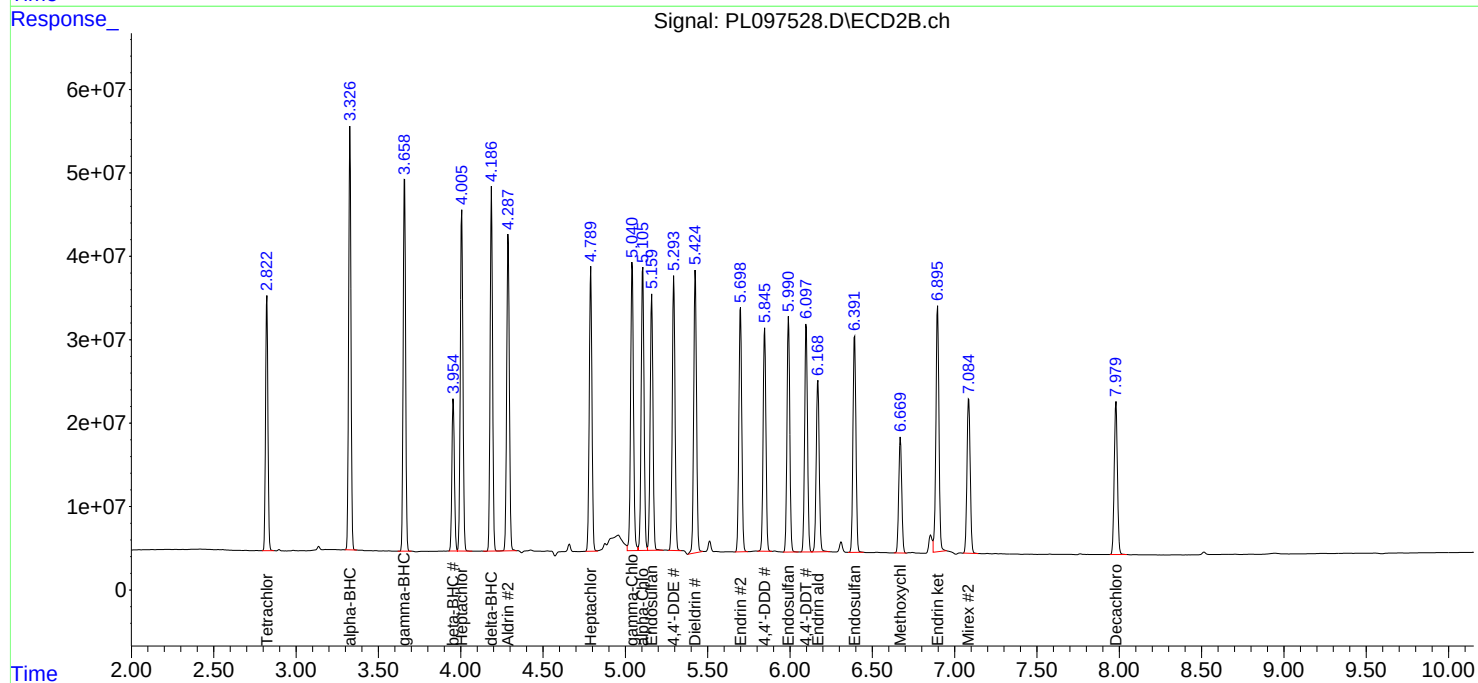
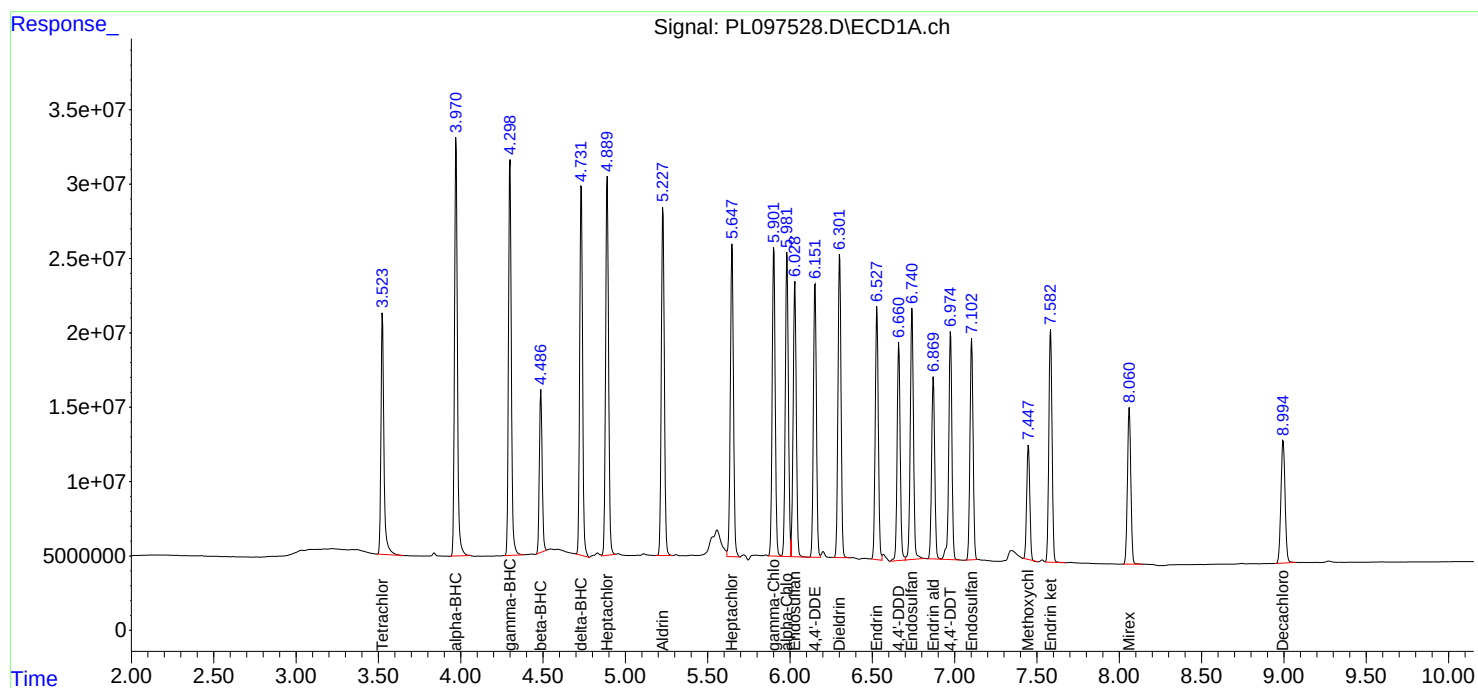
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

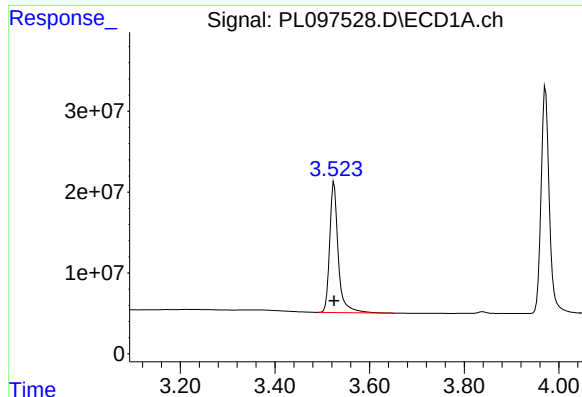
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097528.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:00
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:25:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 11:25:02 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 x0.25µm

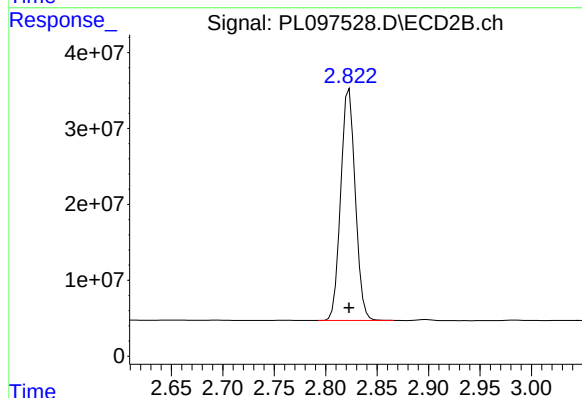




#1 Tetrachloro-m-xylene

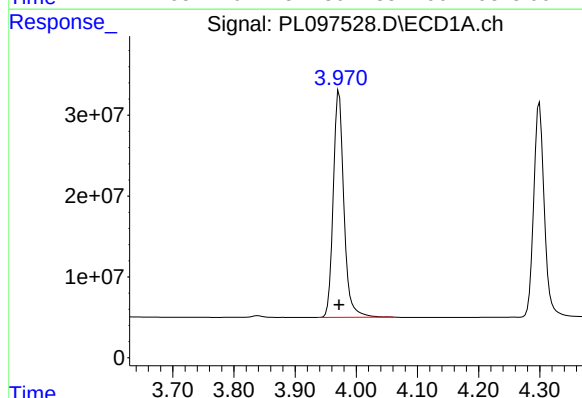
R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 202919079
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



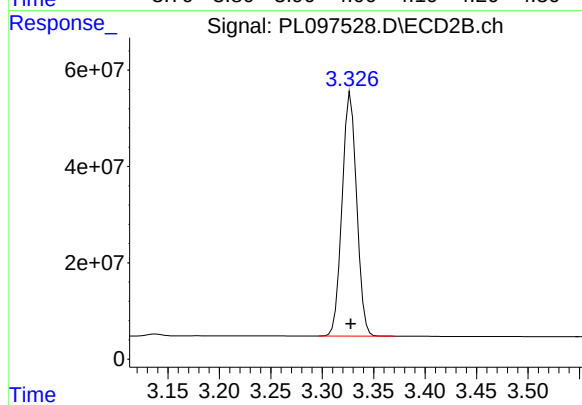
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 299786209
Conc: 50.00 ng/ml



#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: 0.000 min
Response: 338913672
Conc: 50.00 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 497913104
Conc: 50.00 ng/ml

Response_

Signal: PL097528.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.300 min

Delta R.T.: 0.000 min

Response: 318822608

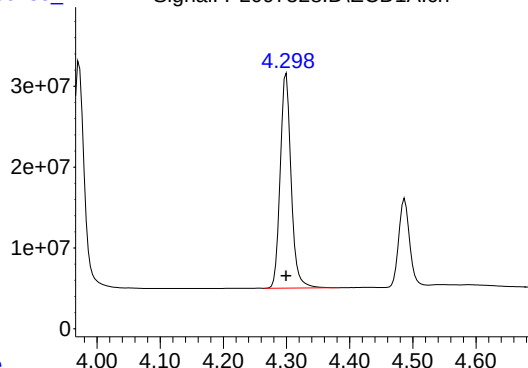
Conc: 50.00 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC050



Time

Response_

Signal: PL097528.D\ECD2B.ch

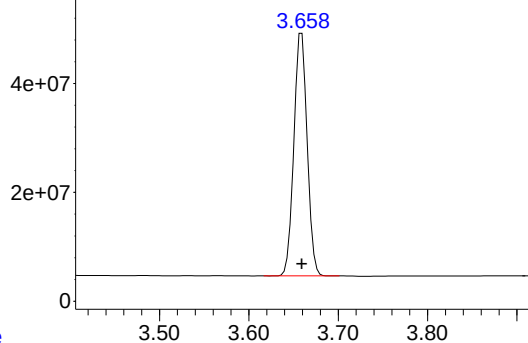
#3 gamma-BHC (Lindane)

R.T.: 3.659 min

Delta R.T.: 0.000 min

Response: 460902497

Conc: 50.00 ng/ml



Time

Response_

Signal: PL097528.D\ECD1A.ch

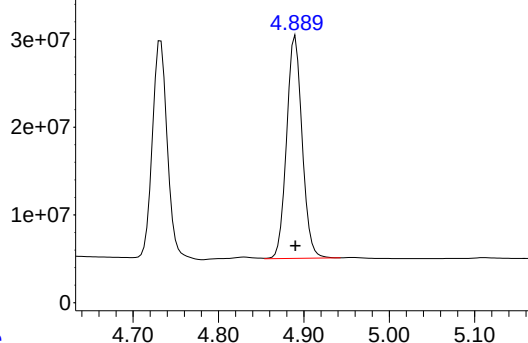
#4 Heptachlor

R.T.: 4.890 min

Delta R.T.: 0.000 min

Response: 320757499

Conc: 50.00 ng/ml



Time

Response_

Signal: PL097528.D\ECD2B.ch

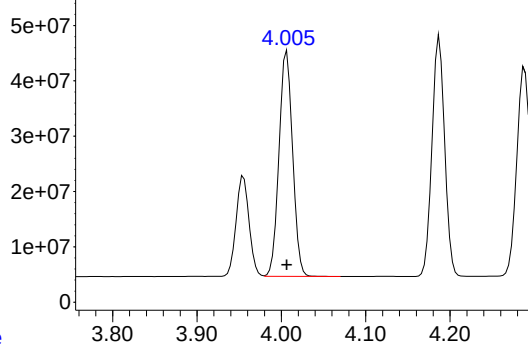
#4 Heptachlor

R.T.: 4.007 min

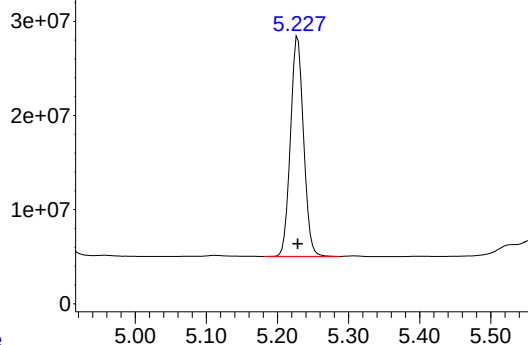
Delta R.T.: 0.000 min

Response: 456516933

Conc: 50.00 ng/ml



Time



R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 298912220
Conc: 50.00 ng/ml

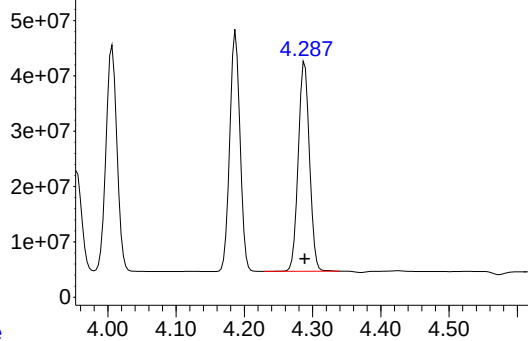
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PL097528.D\ECD2B.ch

#5 Aldrin



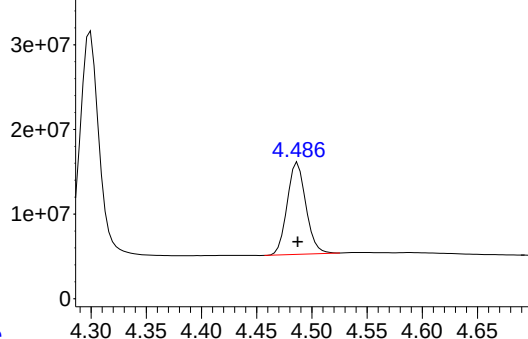
R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 431753355
Conc: 50.00 ng/ml

Time

Response_

Signal: PL097528.D\ECD1A.ch

#6 beta-BHC



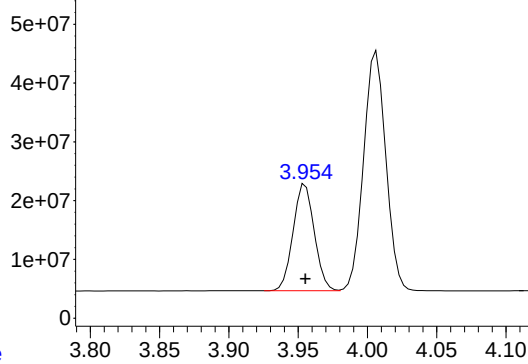
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 128022099
Conc: 50.00 ng/ml

Time

Response_

Signal: PL097528.D\ECD2B.ch

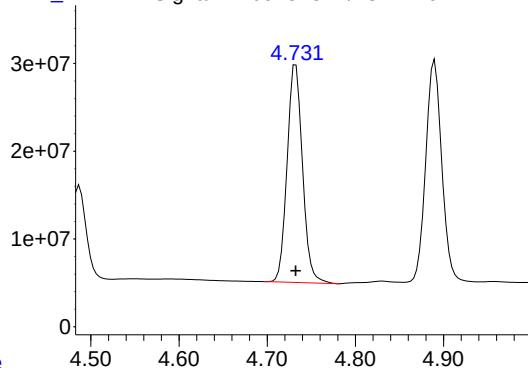
#6 beta-BHC



R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 193505993
Conc: 50.00 ng/ml

Time

Response_ Signal: PL097528.D\ECD1A.ch

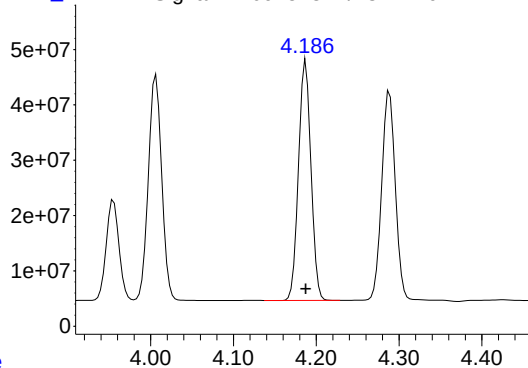


#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 301035959
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

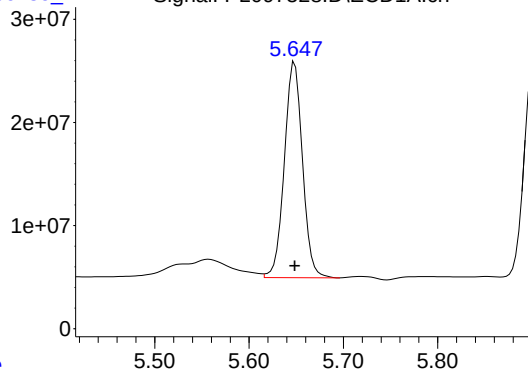
Time Response_ Signal: PL097528.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 453658980
Conc: 50.00 ng/ml

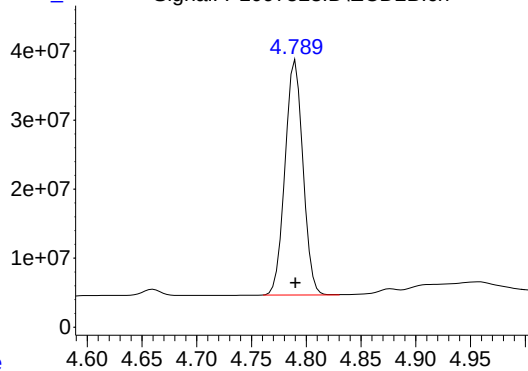
Time Response_ Signal: PL097528.D\ECD1A.ch



#8 Heptachlor epoxide

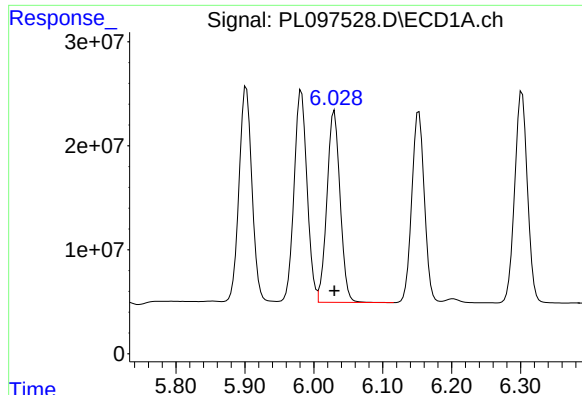
R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 279517741
Conc: 50.00 ng/ml

Time Response_ Signal: PL097528.D\ECD2B.ch



#8 Heptachlor epoxide

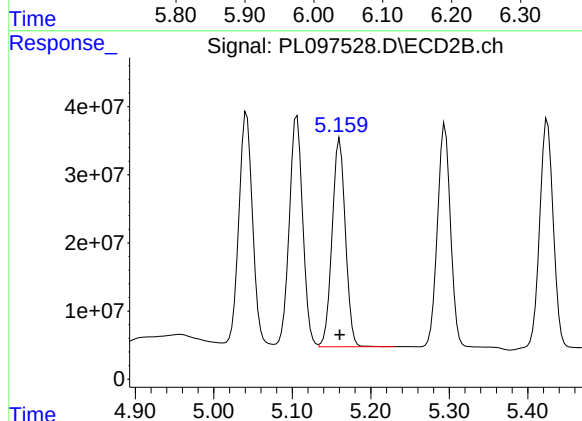
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 388209276
Conc: 50.00 ng/ml



#9 Endosulfan I

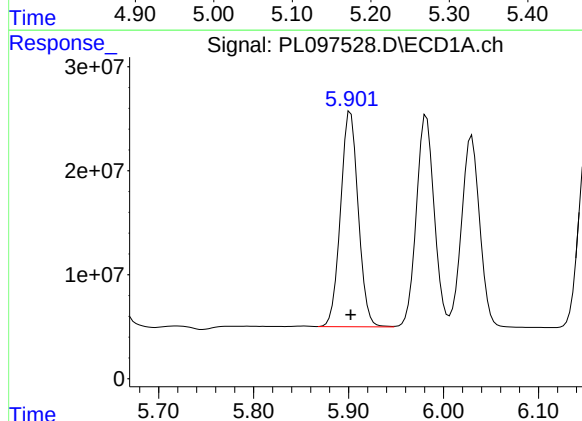
R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 245061755
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



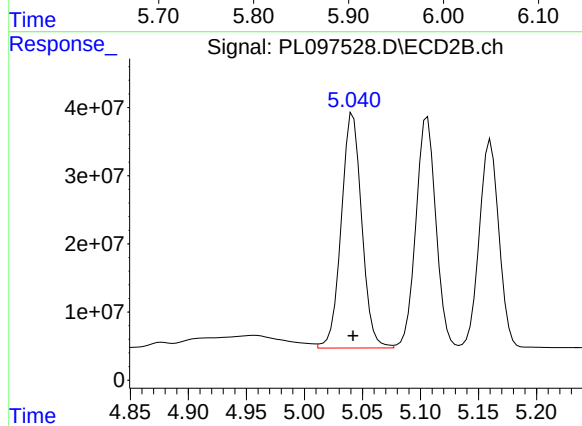
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 359697954
Conc: 50.00 ng/ml



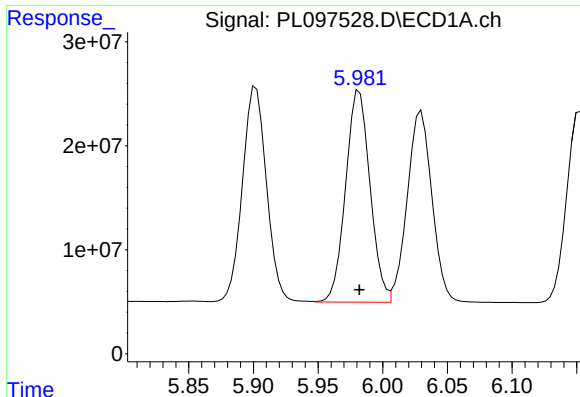
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: 0.000 min
Response: 268509228
Conc: 50.00 ng/ml



#10 gamma-Chlordane

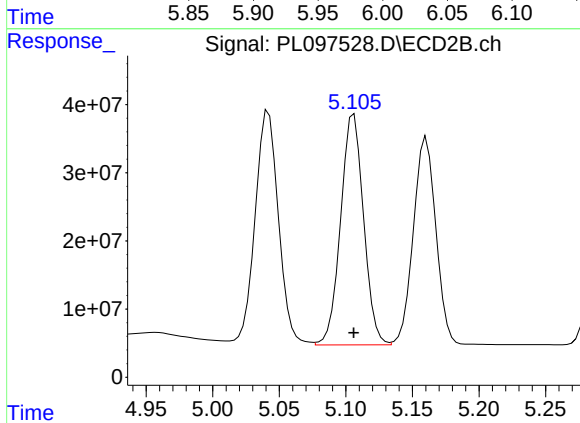
R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 423028117
Conc: 50.00 ng/ml



#11 alpha-Chlordane

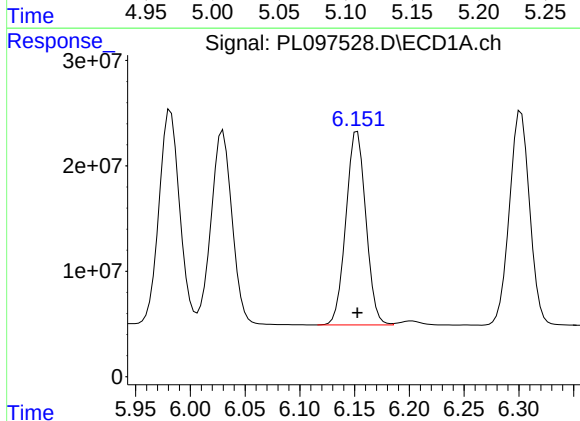
R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 266723992
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



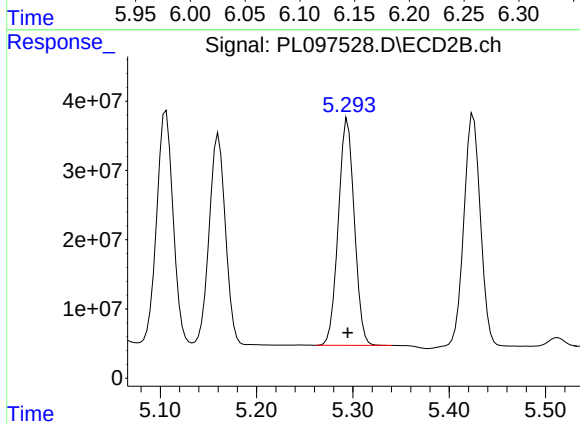
#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: 0.000 min
Response: 406374385
Conc: 50.00 ng/ml



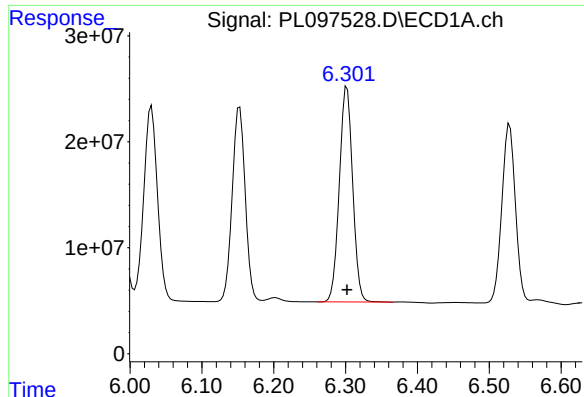
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 232992072
Conc: 50.00 ng/ml



#12 4,4'-DDE

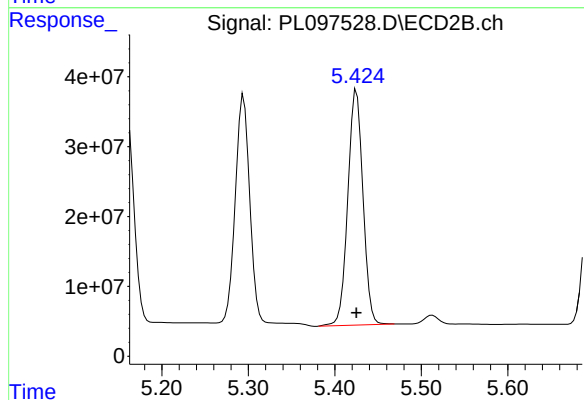
R.T.: 5.295 min
Delta R.T.: 0.000 min
Response: 377510164
Conc: 50.00 ng/ml



#13 Dieldrin

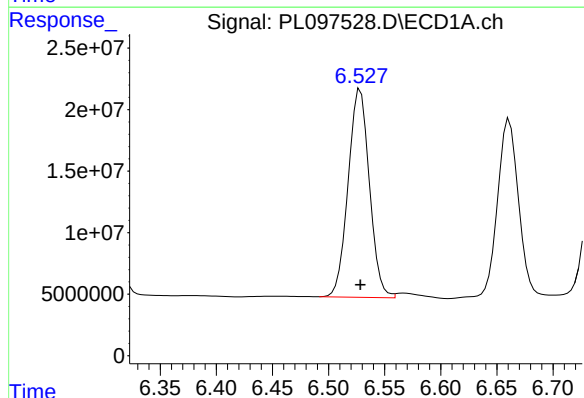
R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 261580942
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



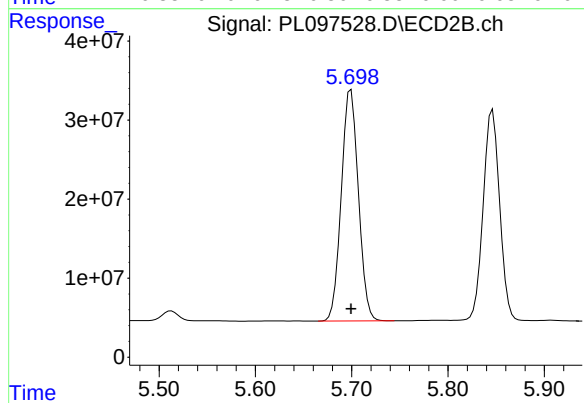
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: 0.000 min
Response: 408262654
Conc: 50.00 ng/ml



#14 Endrin

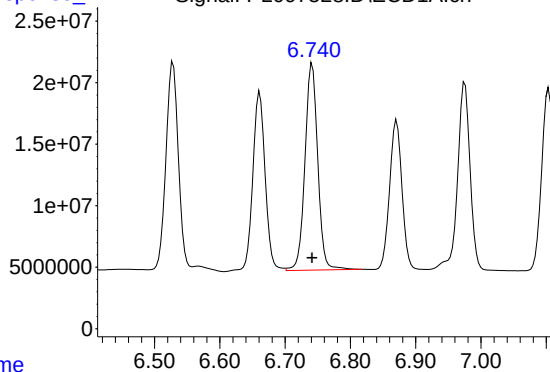
R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 223165882
Conc: 50.00 ng/ml



#14 Endrin

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 360400848
Conc: 50.00 ng/ml

Response_ Signal: PL097528.D\ECD1A.ch

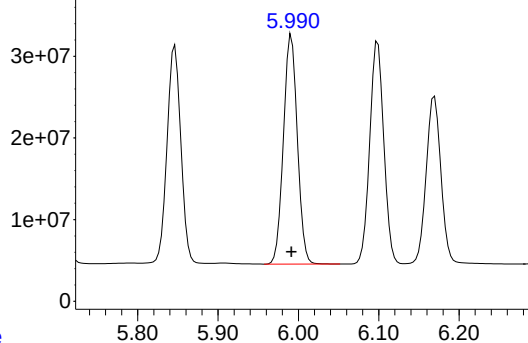


#15 Endosulfan II

R.T.: 6.741 min
Delta R.T.: 0.000 min
Response: 228864908
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

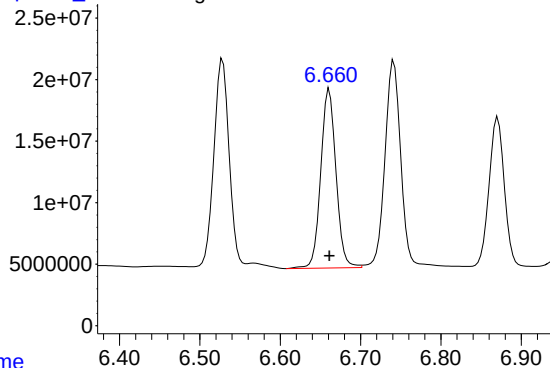
Time Response_ Signal: PL097528.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.991 min
Delta R.T.: 0.000 min
Response: 338684359
Conc: 50.00 ng/ml

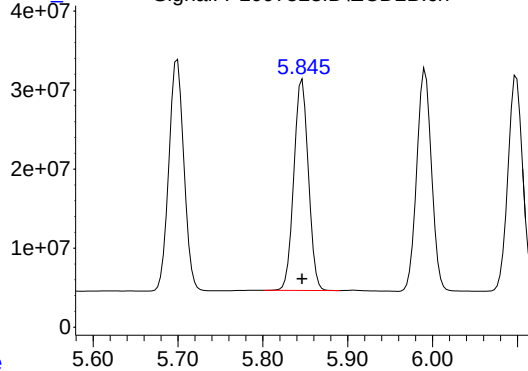
Time Response_ Signal: PL097528.D\ECD1A.ch



#16 4,4'-DDD

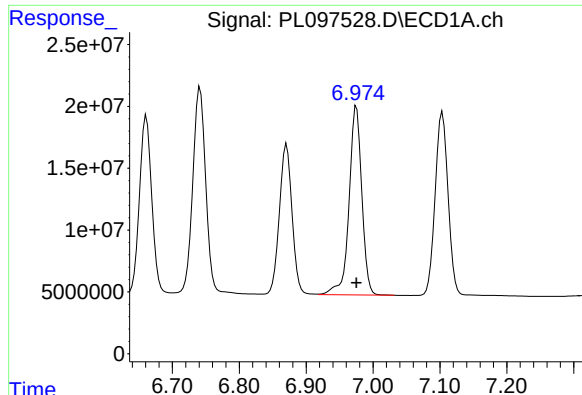
R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 191822236
Conc: 50.00 ng/ml

Time Response_ Signal: PL097528.D\ECD2B.ch



#16 4,4'-DDD

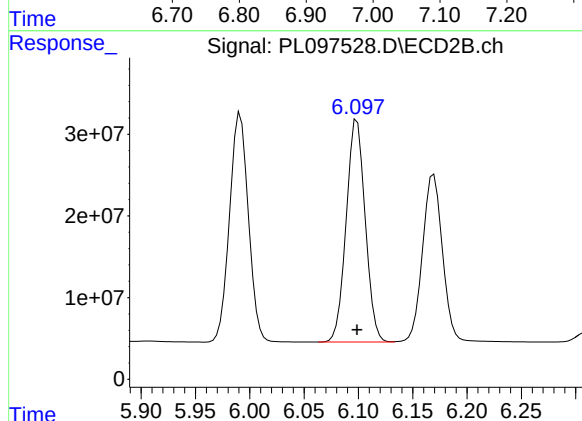
R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 317026964
Conc: 50.00 ng/ml



#17 4,4'-DDT

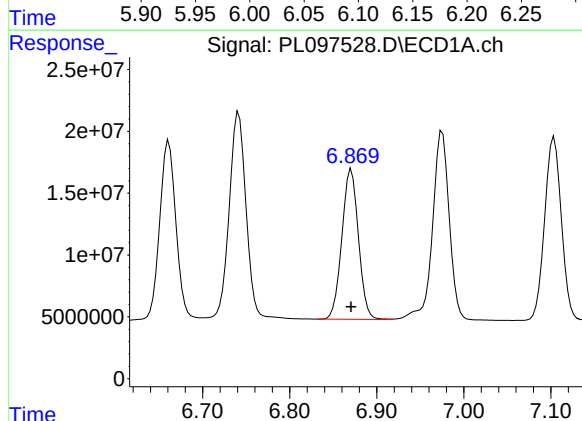
R.T.: 6.975 min
Delta R.T.: 0.000 min
Response: 203346155
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



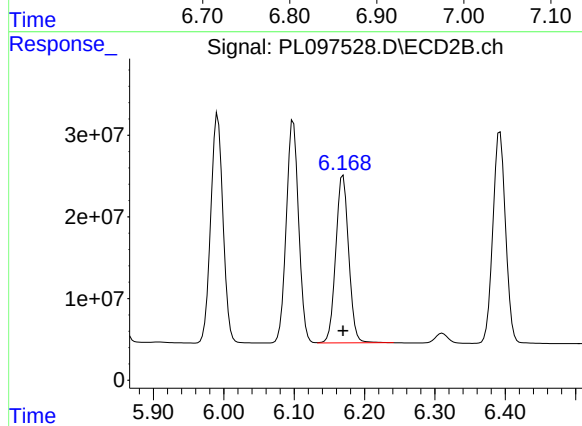
#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: 0.000 min
Response: 331892124
Conc: 50.00 ng/ml



#18 Endrin aldehyde

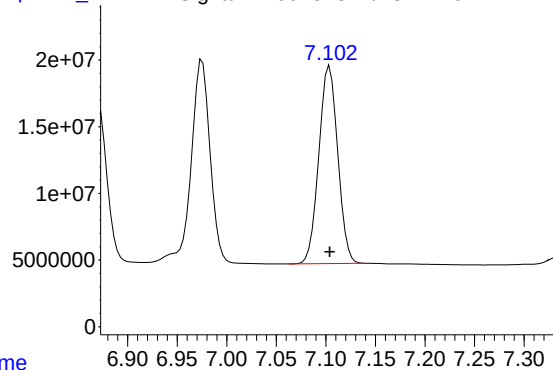
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 160451730
Conc: 50.00 ng/ml



#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 261796525
Conc: 50.00 ng/ml

Response_ Signal: PL097528.D\ECD1A.ch

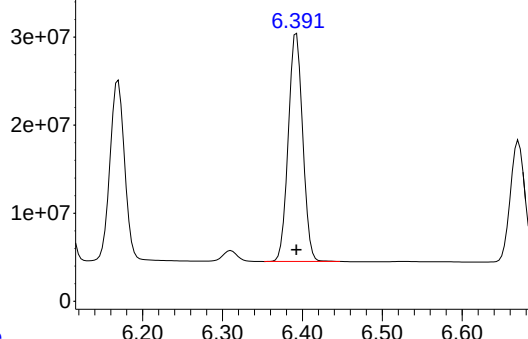


#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 196903047
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

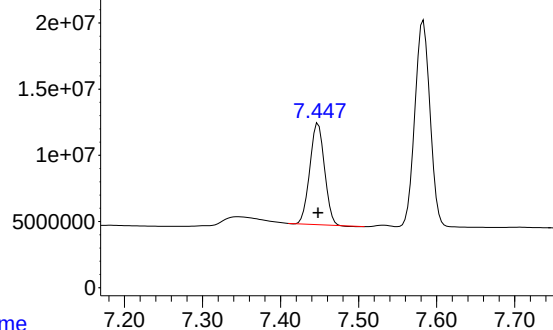
Time Response_ Signal: PL097528.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 324630618
Conc: 50.00 ng/ml

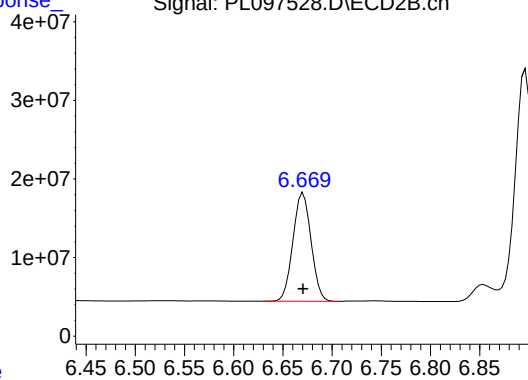
Time Response_ Signal: PL097528.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.448 min
Delta R.T.: 0.000 min
Response: 100095394
Conc: 50.00 ng/ml

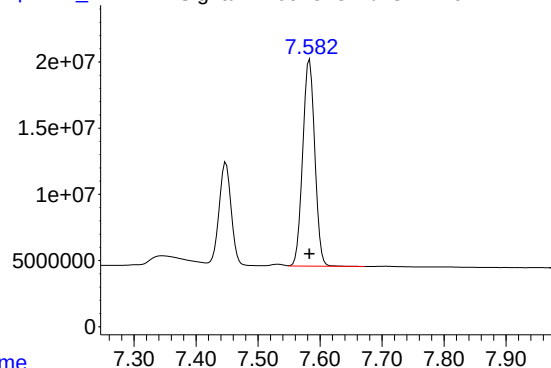
Time Response_ Signal: PL097528.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 176797644
Conc: 50.00 ng/ml

Response_ Signal: PL097528.D\ECD1A.ch

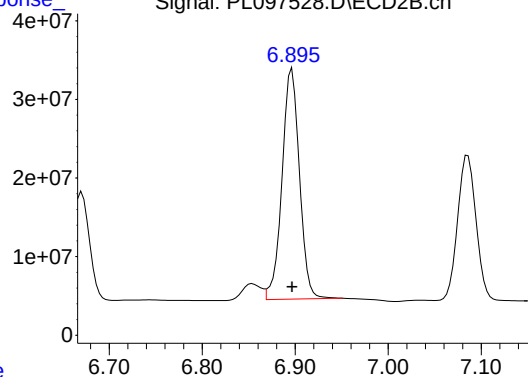


#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: 0.000 min
Response: 211422200
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

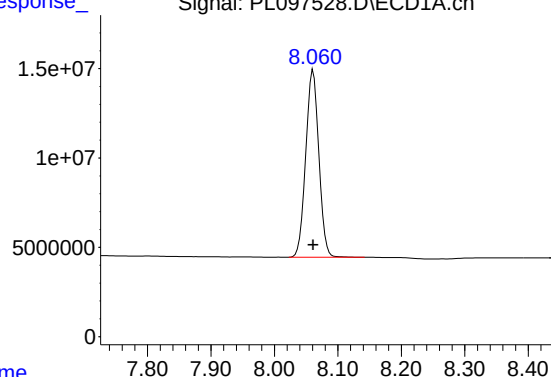
Time Response_ Signal: PL097528.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: 0.000 min
Response: 382748189
Conc: 50.00 ng/ml

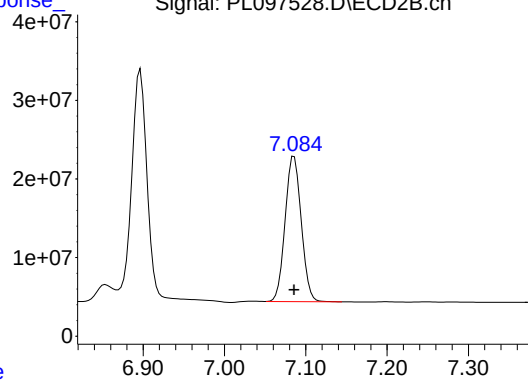
Time Response_ Signal: PL097528.D\ECD1A.ch



#22 Mirex

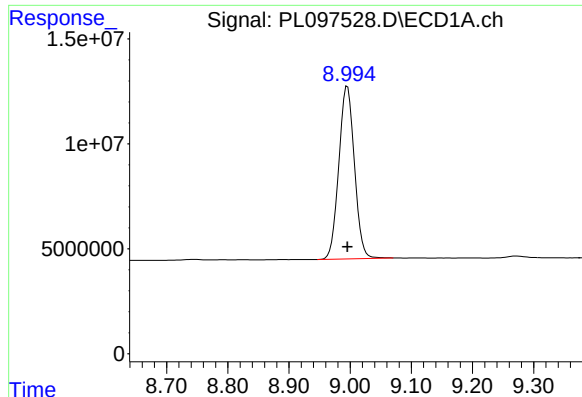
R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 150234473
Conc: 50.00 ng/ml

Time Response_ Signal: PL097528.D\ECD2B.ch



#22 Mirex

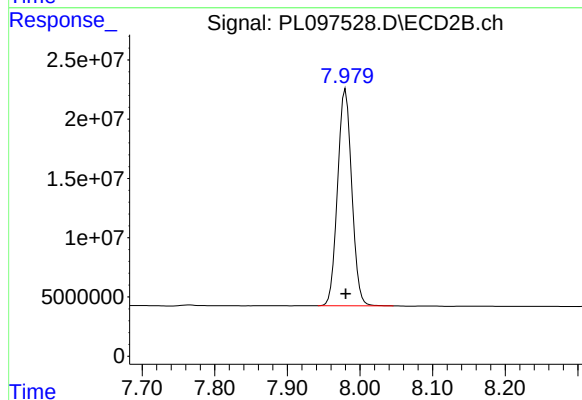
R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 254651330
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 145757766
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 248201845
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097529.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 11:41
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 11:55:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 11:55:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.823	101.9E6	151.5E6	25.113	25.201
28)	SA Decachlor...	8.995	7.980	75883634	132.2E6	26.154	26.542
Target Compounds							
2)	A alpha-BHC	3.972	3.327	166.9E6	245.5E6	24.370	24.464
3)	MA gamma-BHC...	4.300	3.659	158.2E6	229.2E6	24.614	24.689
4)	MA Heptachlor	4.890	4.007	163.9E6	230.9E6	25.415	25.224
5)	MB Aldrin	5.229	4.289	150.1E6	216.4E6	24.910	24.904
6)	B beta-BHC	4.487	3.955	65516856	101.1E6	25.491	25.931
7)	B delta-BHC	4.733	4.188	150.5E6	225.1E6	24.806	24.582
8)	B Heptachlo...	5.649	4.790	147.1E6	199.4E6	26.154	25.610
9)	A Endosulfan I	6.030	5.161	125.6E6	189.9E6	25.468	26.176
10)	B gamma-Chl...	5.902	5.042	137.8E6	221.1E6	25.349	25.772
11)	B alpha-Chl...	5.982	5.106	136.7E6	210.9E6	25.480	25.624
12)	B 4,4'-DDE	6.153	5.295	114.5E6	189.7E6	24.410	24.837
13)	MA Dieldrin	6.302	5.425	131.5E6	202.4E6	24.965	24.739
14)	MA Endrin	6.527	5.699	111.1E6	181.4E6	24.790m	25.020
15)	B Endosulfa...	6.741	5.992	120.1E6	176.0E6	26.160	25.753
16)	A 4,4'-DDD	6.661	5.847	93542225	158.8E6	24.784	24.930
17)	MA 4,4'-DDT	6.975	6.099	101.3E6	166.3E6	24.764	24.698
18)	B Endrin al...	6.870	6.170	82892425	142.4E6	25.817	27.010
19)	B Endosulfa...	7.103	6.393	101.8E6	169.7E6	25.745	25.958
20)	A Methoxychlor	7.448	6.670	52550604	93792657	25.657	26.406
21)	B Endrin ke...	7.582	6.897	109.6E6	190.6E6	25.737	25.097
22)	Mirex	8.061	7.086	80257862	137.5E6	26.820	26.901

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097529.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:41
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

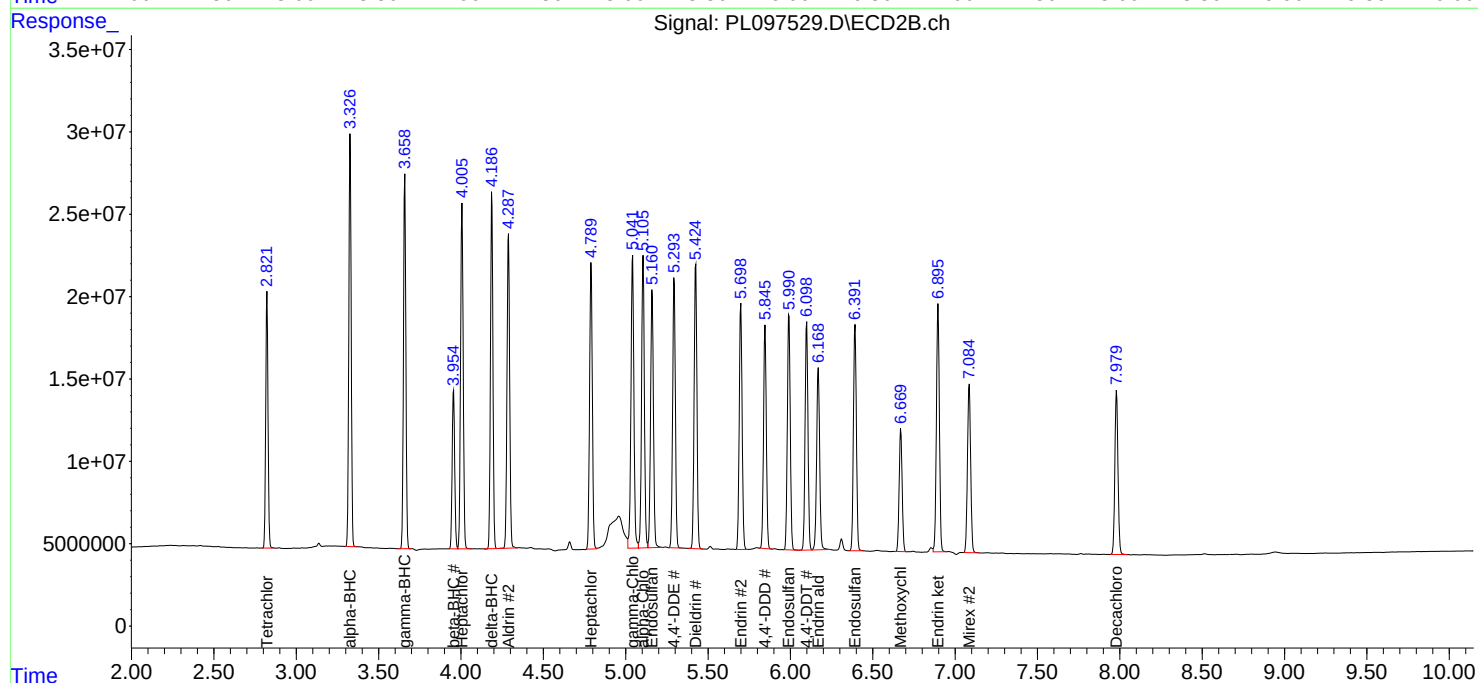
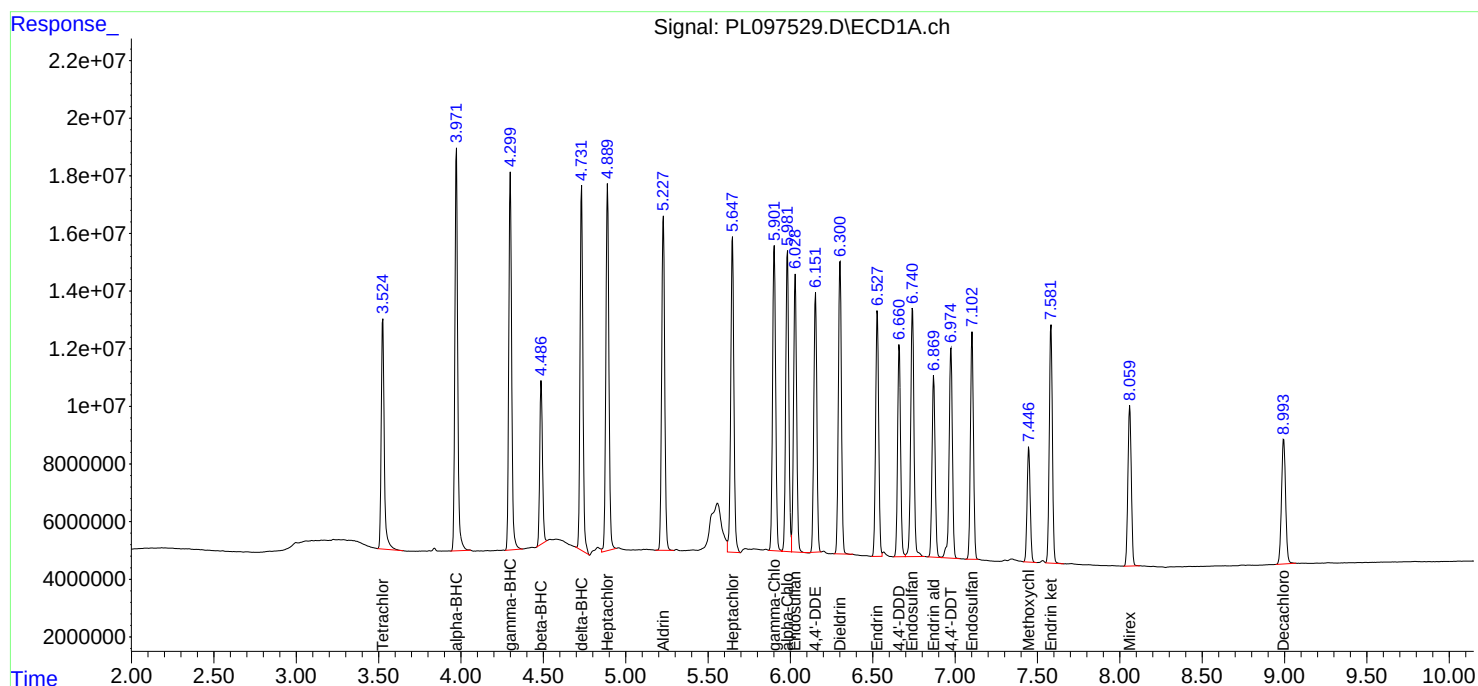
APPROVED

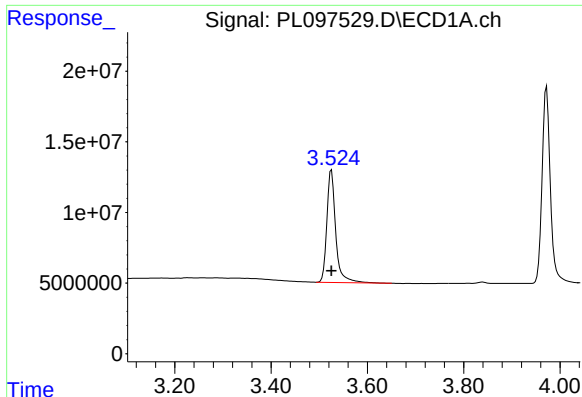
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:55:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 11:55:26 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 101904894
Conc: 25.11 ng/ml

Instrument :

ECD_L

ClientSampleId :

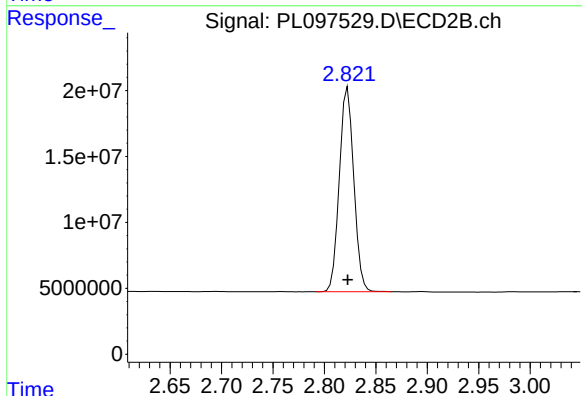
PSTDICC025

Manual Integrations

APPROVED

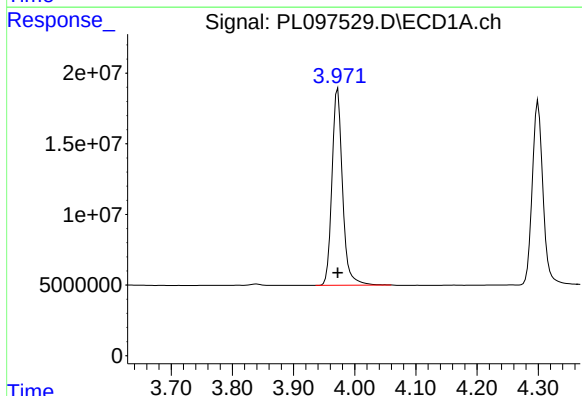
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



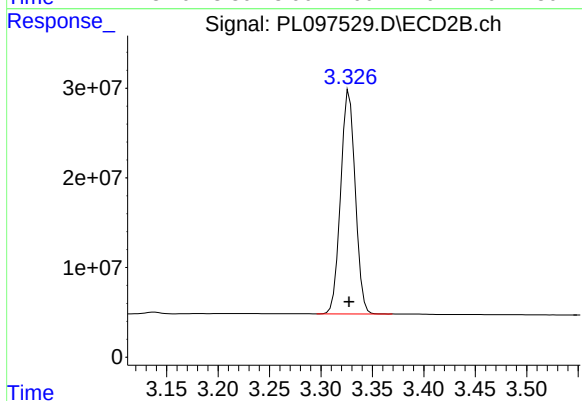
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 151544424
Conc: 25.20 ng/ml



#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: 0.000 min
Response: 166946107
Conc: 24.37 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 245479543
Conc: 24.46 ng/ml

Response_ Signal: PL097529.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 158240377
Conc: 24.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Time

Response_ Signal: PL097529.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 229213762
Conc: 24.69 ng/ml

Time

Response_ Signal: PL097529.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.890 min
Delta R.T.: 0.000 min
Response: 163877604
Conc: 25.42 ng/ml

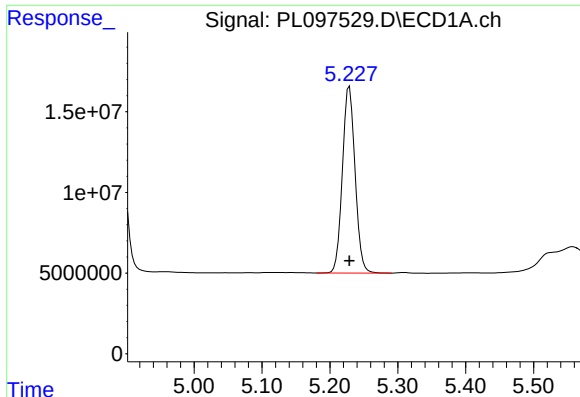
Time

Response_ Signal: PL097529.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 230911915
Conc: 25.22 ng/ml

Time



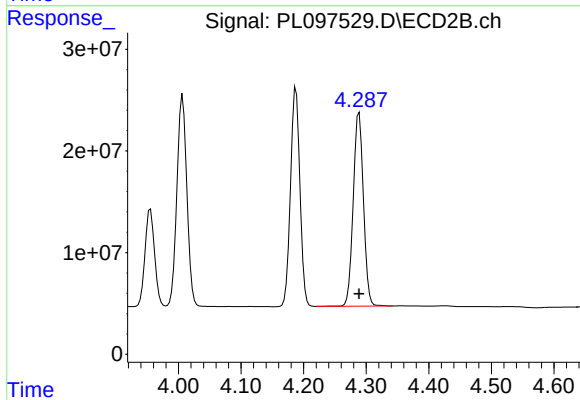
#5 Aldrin

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 150110480
Conc: 24.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

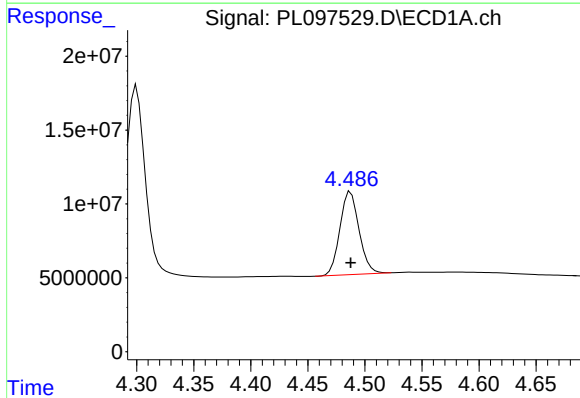
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



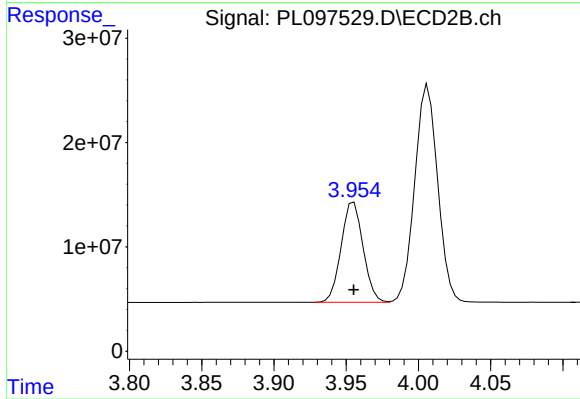
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: 0.000 min
Response: 216442110
Conc: 24.90 ng/ml



#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 65516856
Conc: 25.49 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 101111774
Conc: 25.93 ng/ml

Response_ Signal: PL097529.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.733 min
Delta R.T.: 0.000 min
Response: 150509308
Conc: 24.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Time

Response_ Signal: PL097529.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: 0.000 min
Response: 225054943
Conc: 24.58 ng/ml

Time

Response_ Signal: PL097529.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 147055111
Conc: 26.15 ng/ml

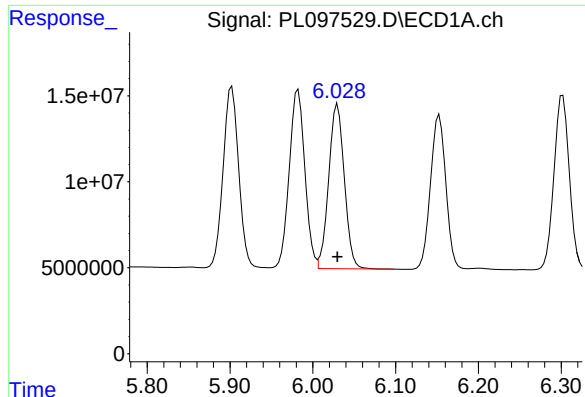
Time

Response_ Signal: PL097529.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 199443779
Conc: 25.61 ng/ml

Time



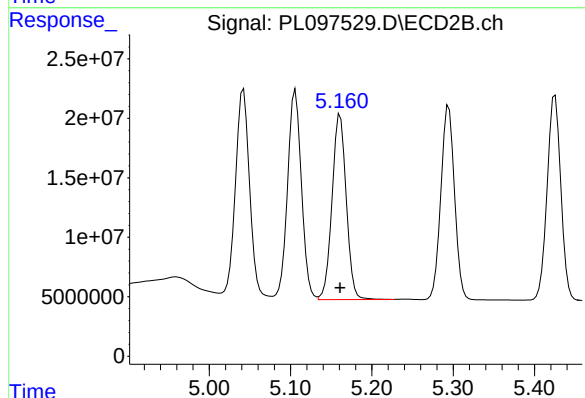
#9 Endosulfan I

R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 125558178
Conc: 25.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

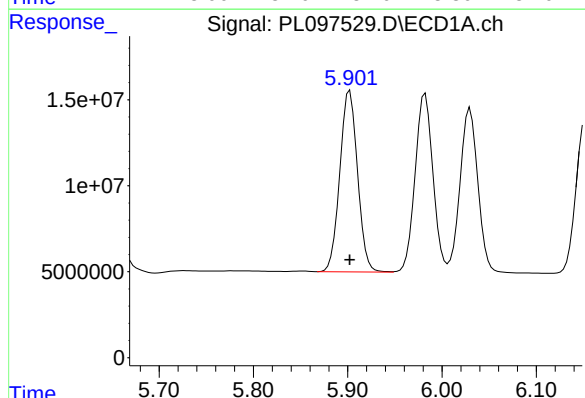
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



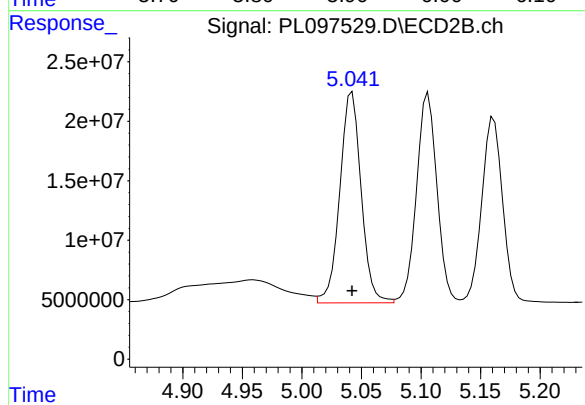
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 189905621
Conc: 26.18 ng/ml



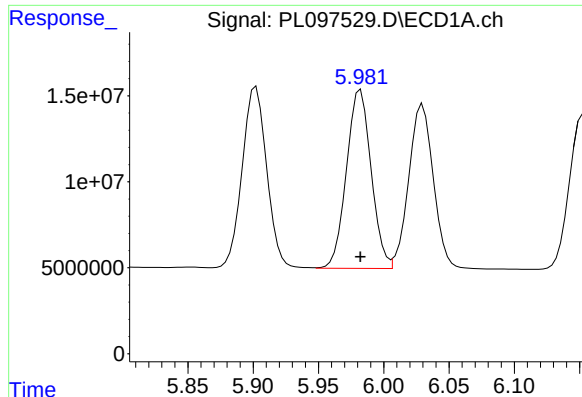
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: 0.000 min
Response: 137806423
Conc: 25.35 ng/ml



#10 gamma-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 221104892
Conc: 25.77 ng/ml



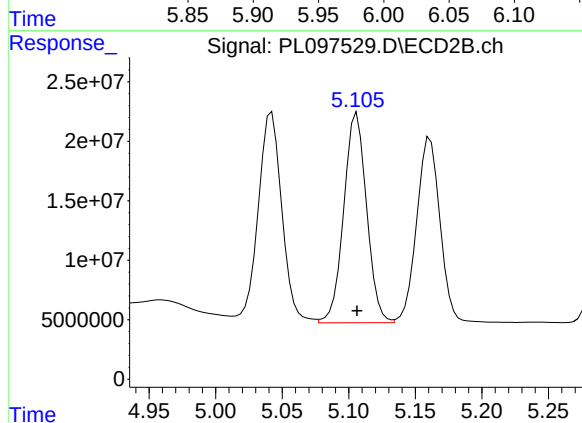
#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 136695167
Conc: 25.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

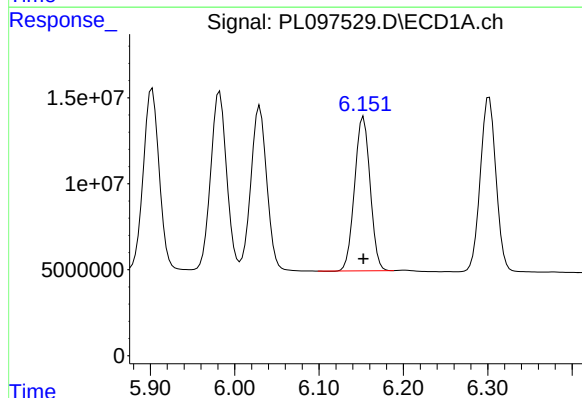
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



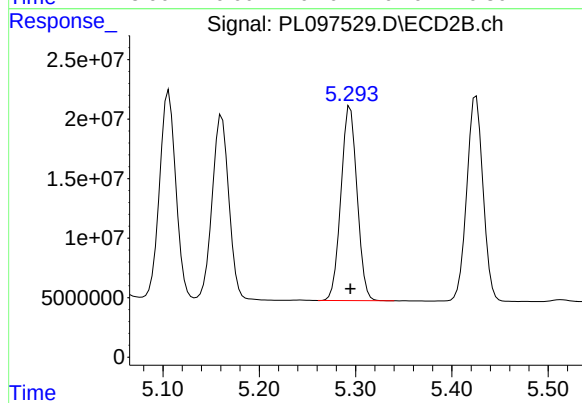
#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: 0.000 min
Response: 210877901
Conc: 25.62 ng/ml



#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 114544434
Conc: 24.41 ng/ml



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: 0.000 min
Response: 189713647
Conc: 24.84 ng/ml

Response_ Signal: PL097529.D\ECD1A.ch

#13 Dieldrin

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 131480484
Conc: 24.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Time

Response_ Signal: PL097529.D\ECD2B.ch

#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: 0.000 min
Response: 202404139
Conc: 24.74 ng/ml

Time

Response_ Signal: PL097529.D\ECD1A.ch

#14 Endrin

R.T.: 6.527 min
Delta R.T.: 0.000 min
Response: 111082695
Conc: 24.79 ng/ml m

Time

Response_ Signal: PL097529.D\ECD2B.ch

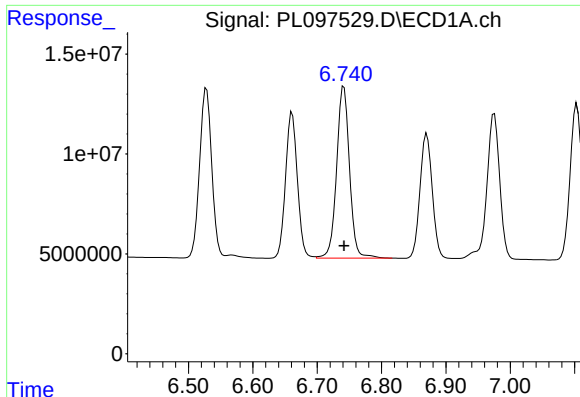
#14 Endrin

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 181414600
Conc: 25.02 ng/ml

Time

Response_ Signal: PL097529.D\ECD1A.ch

Time



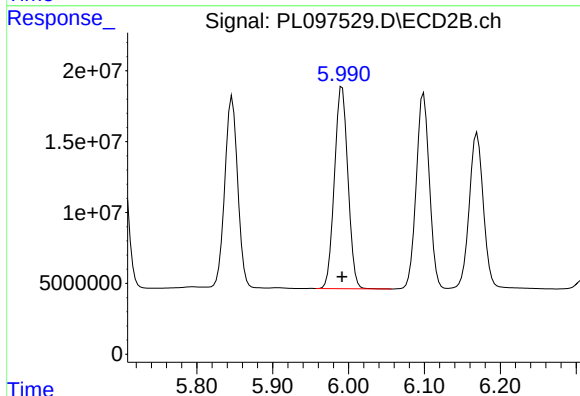
#15 Endosulfan II

R.T.: 6.741 min
Delta R.T.: 0.000 min
Response: 120066551
Conc: 26.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

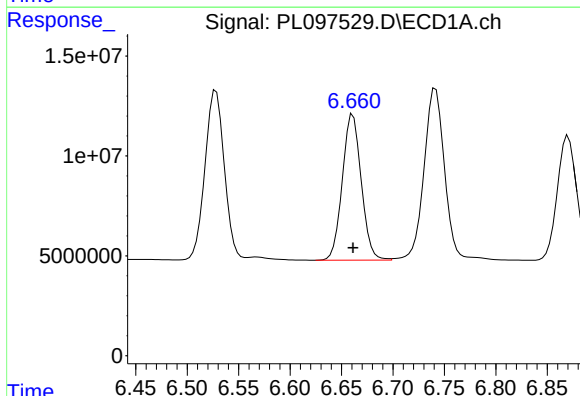
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



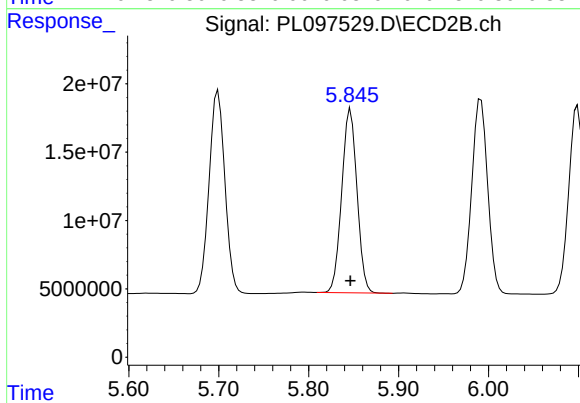
#15 Endosulfan II

R.T.: 5.992 min
Delta R.T.: 0.000 min
Response: 176038320
Conc: 25.75 ng/ml



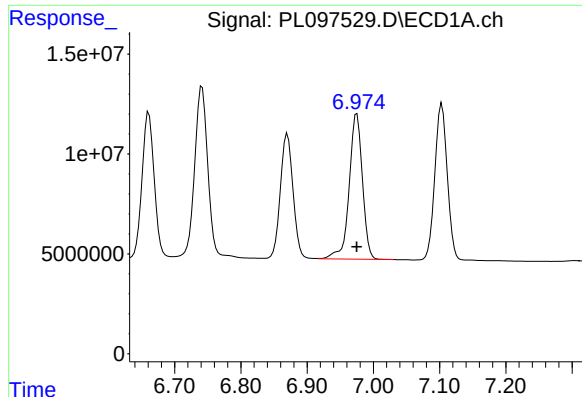
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 93542225
Conc: 24.78 ng/ml



#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: 0.000 min
Response: 158805909
Conc: 24.93 ng/ml



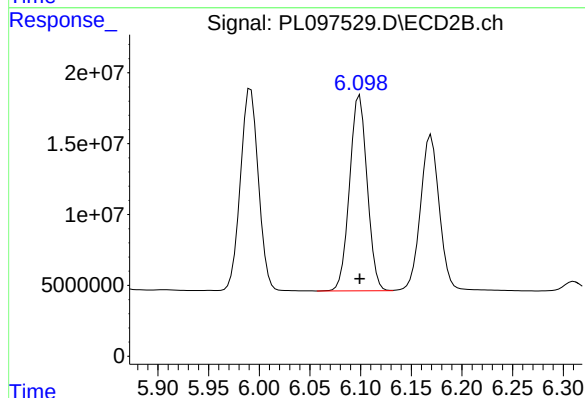
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: 0.000 min
Response: 101310697
Conc: 24.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

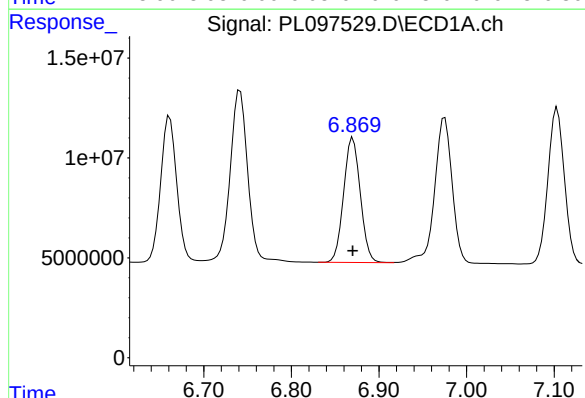
Manual Integrations
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Supervised By :mohammad ahmed 10/09/2025



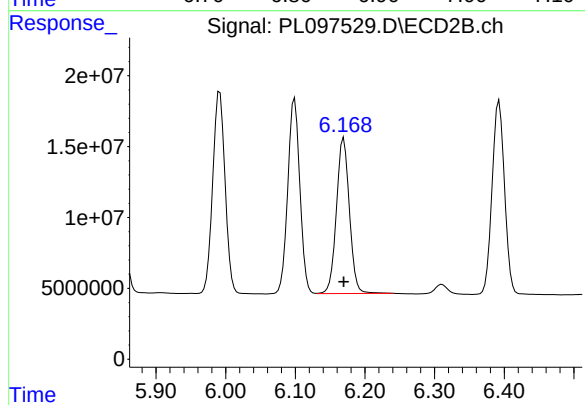
#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: 0.000 min
Response: 166308264
Conc: 24.70 ng/ml



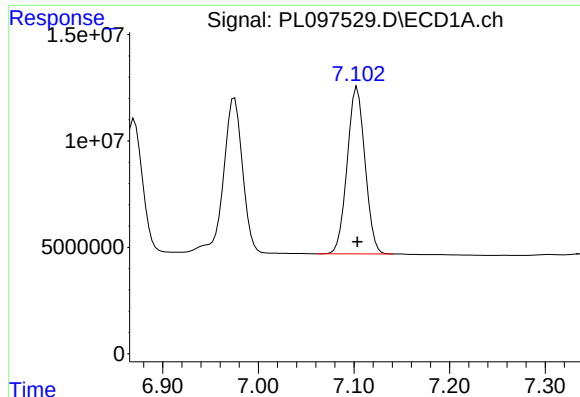
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 82892425
Conc: 25.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 142351415
Conc: 27.01 ng/ml



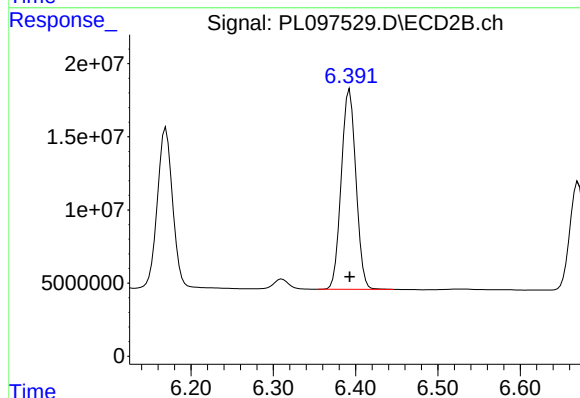
#19 Endosulfan Sulfate

R.T.: 7.103 min
Delta R.T.: 0.000 min
Response: 101843173
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

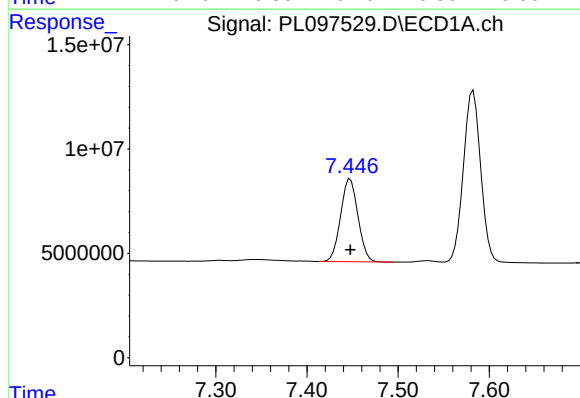
Manual Integrations
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Supervised By :mohammad ahmed 10/09/2025



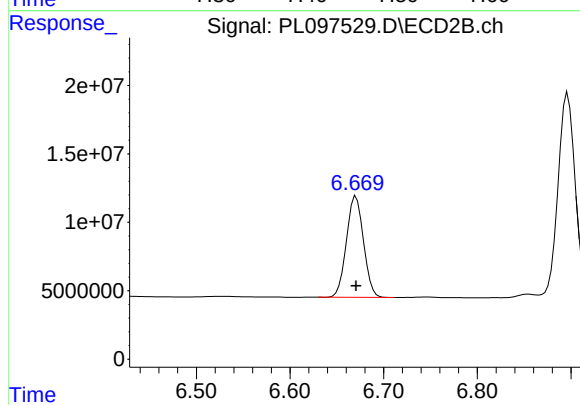
#19 Endosulfan Sulfate

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 169681039
Conc: 25.96 ng/ml



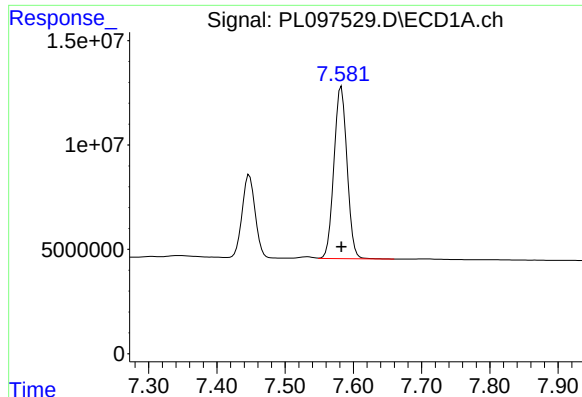
#20 Methoxychlor

R.T.: 7.448 min
Delta R.T.: 0.000 min
Response: 52550604
Conc: 25.66 ng/ml



#20 Methoxychlor

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 93792657
Conc: 26.41 ng/ml



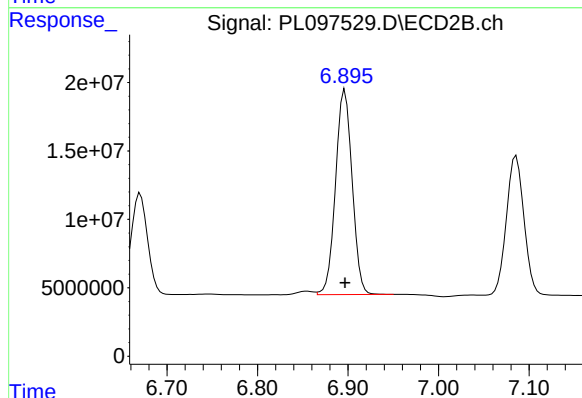
#21 Endrin ketone

R.T.: 7.582 min
Delta R.T.: 0.000 min
Response: 109626260
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

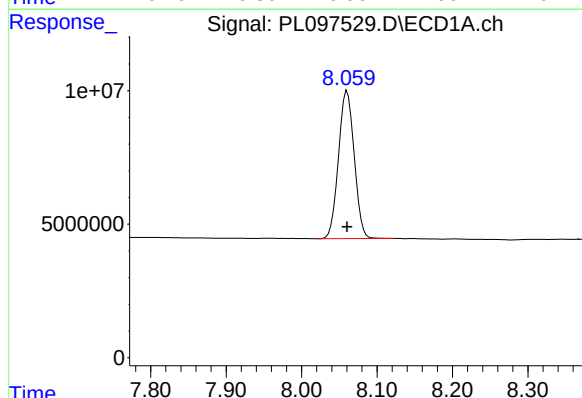
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



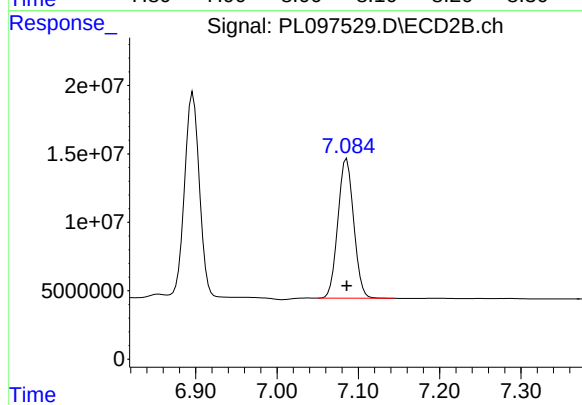
#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: 0.000 min
Response: 190636896
Conc: 25.10 ng/ml



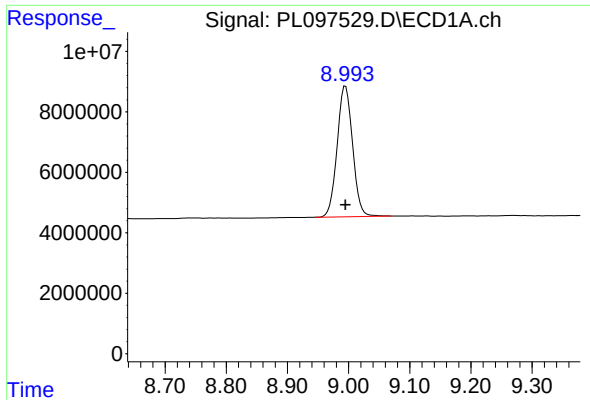
#22 Mirex

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 80257862
Conc: 26.82 ng/ml



#22 Mirex

R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 137549521
Conc: 26.90 ng/ml



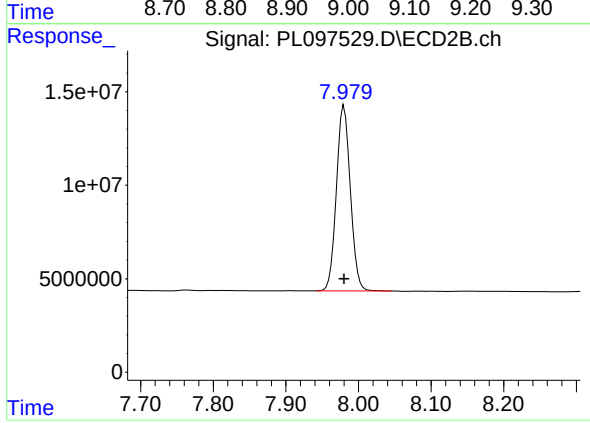
#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 75883634
Conc: 26.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 132179455
Conc: 26.54 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097530.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 11:55
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

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Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 12:09:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 12:09:00 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.823	20760581	31889450	5.092	5.239
28)	SA Decachlor...	8.995	7.980	16313666	30126190	5.486	5.806
Target Compounds							
2)	A alpha-BHC	3.972	3.327	31631322	45990795	4.689	4.661
3)	MA gamma-BHC...	4.299	3.659	30329973	44004103	4.772	4.790
4)	MA Heptachlor	4.888	4.006	32306585	46717000	5.012m	5.082
5)	MB Aldrin	5.228	4.288	29793038	42975067	4.955	4.956
6)	B beta-BHC	4.487	3.955	13232665	21469148	5.118	5.397
7)	B delta-BHC	4.732	4.187	30468498	42743595	5.017	4.731
8)	B Heptachlo...	5.646	4.790	33101826	41697351	5.537m	5.280
9)	A Endosulfan I	6.029	5.159	25685922	39259145	5.167	5.271m
10)	B gamma-Chl...	5.901	5.040	26959817	45741136	4.967	5.277m
11)	B alpha-Chl...	5.982	5.104	28366665	43589310	5.227	5.249m
12)	B 4,4'-DDE	6.152	5.294	22578205	37045119	4.848	4.879
13)	MA Dieldrin	6.301	5.425	26178667	43077308	4.976	5.210
14)	MA Endrin	6.527	5.700	22242785	40023725	4.971	5.408
15)	B Endosulfa...	6.740	5.991	30509296	35911153	6.264m	5.179
16)	A 4,4'-DDD	6.659	5.845	18850267	32072276	4.987m	5.022m
17)	MA 4,4'-DDT	6.975	6.099	19545223	31911242	4.820	4.789
18)	B Endrin al...	6.870	6.169	17702219	38554790	5.402	6.695
19)	B Endosulfa...	7.103	6.393	21130418	35709397	5.270	5.364
20)	A Methoxychlor	7.446	6.670	11260639	20091269	5.375m	5.512
21)	B Endrin ke...	7.581	6.895	21852412	45578581	5.118m	5.818m
22)	Mirex	8.061	7.086	17837199	31483732	5.740	5.885

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:55
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

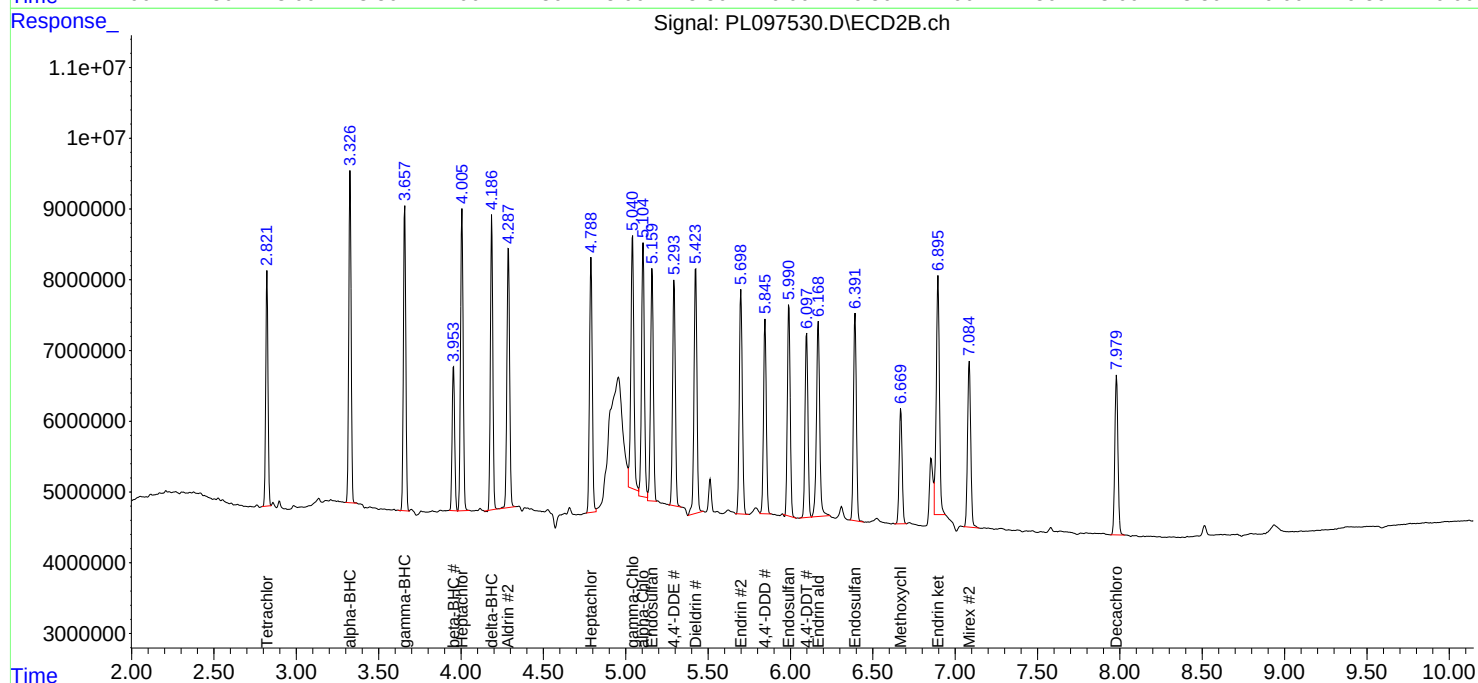
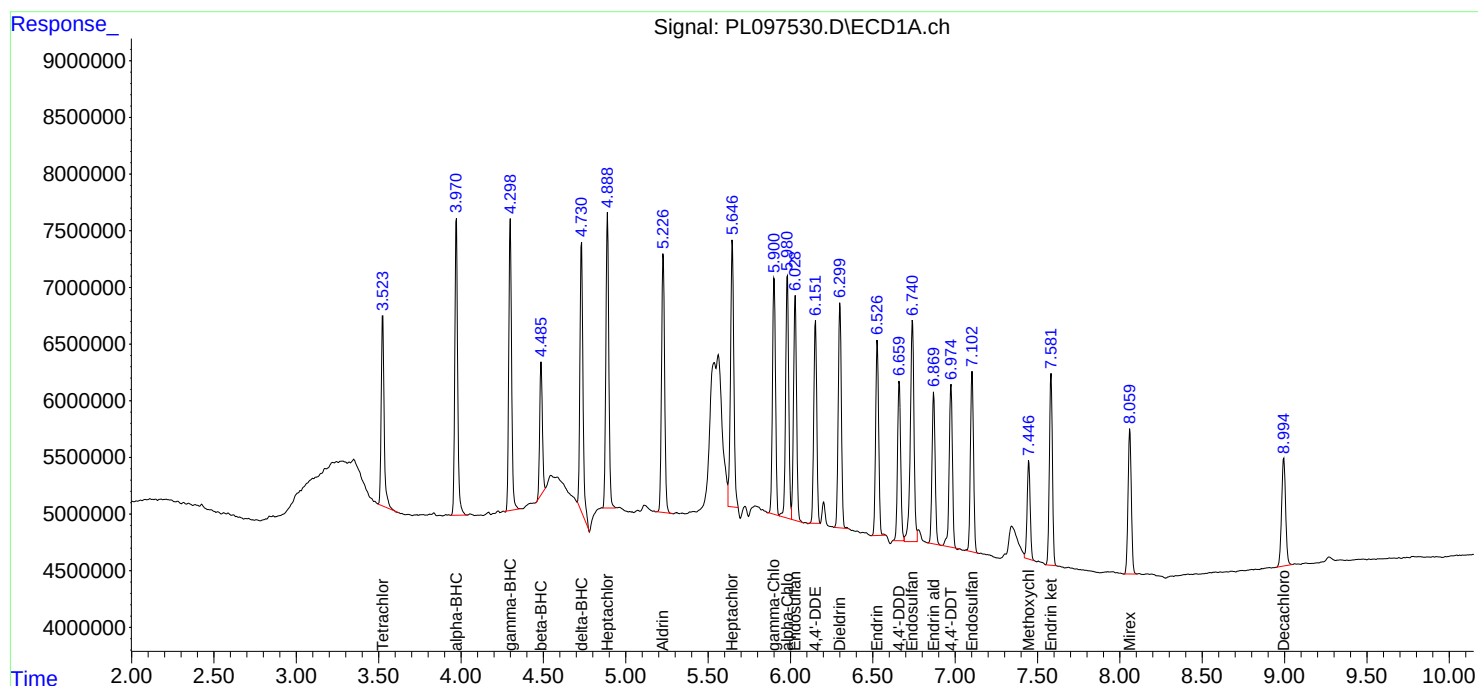
APPROVED

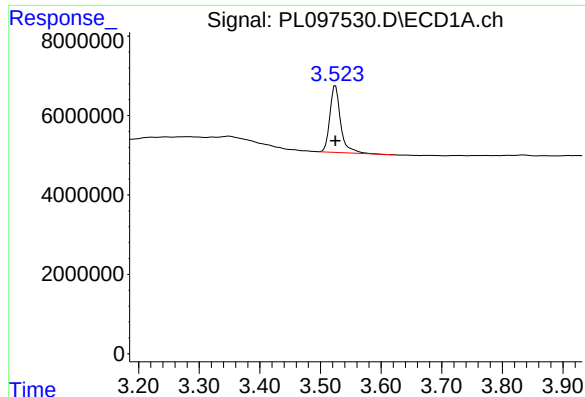
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:09:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 12:09:00 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 x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 20760581
Conc: 5.09 ng/ml

Instrument :

ECD_L

ClientSampleId :

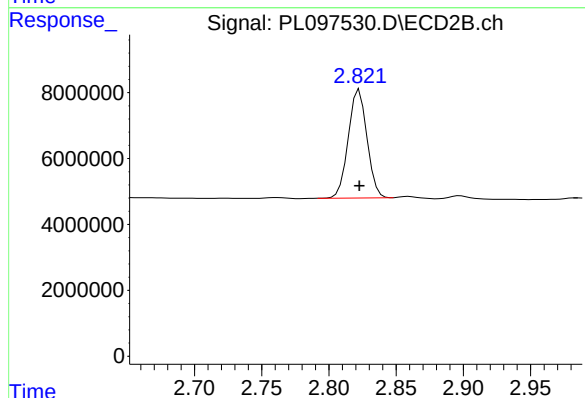
PSTDICC005

Manual Integrations

APPROVED

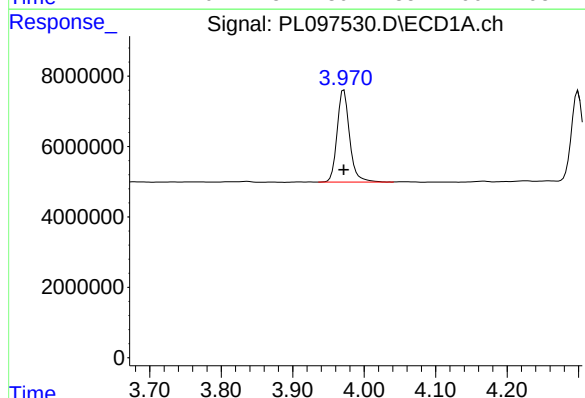
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



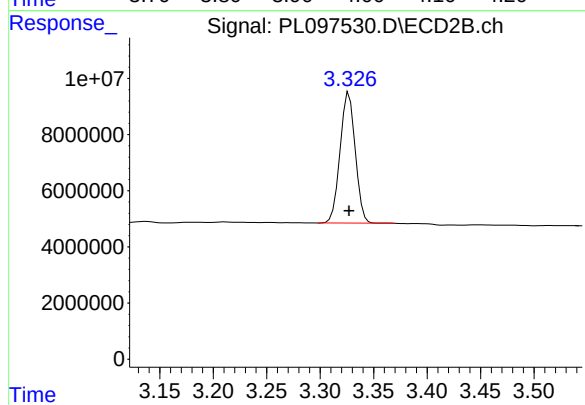
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 31889450
Conc: 5.24 ng/ml



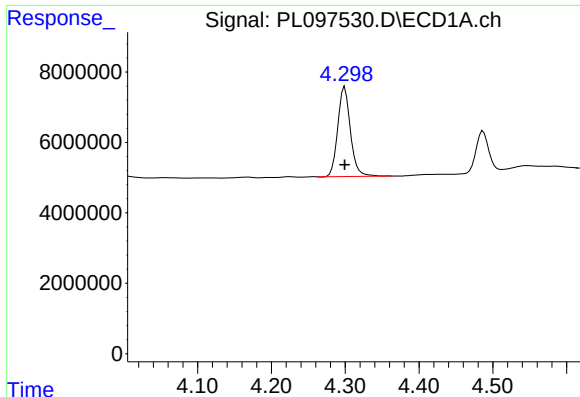
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: 0.000 min
Response: 31631322
Conc: 4.69 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 45990795
Conc: 4.66 ng/ml



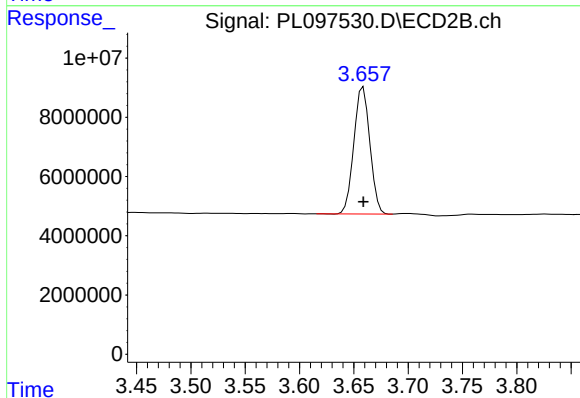
#3 gamma-BHC (Lindane)

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 30329973
Conc: 4.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

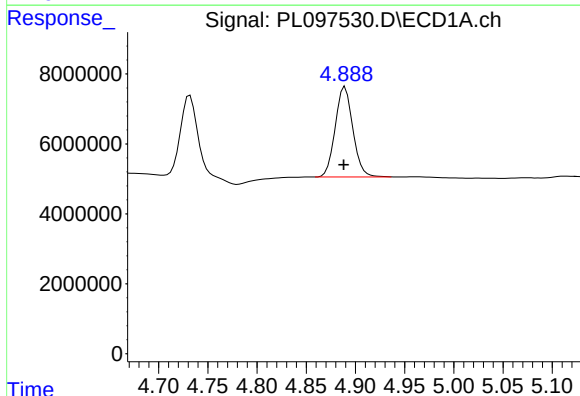
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



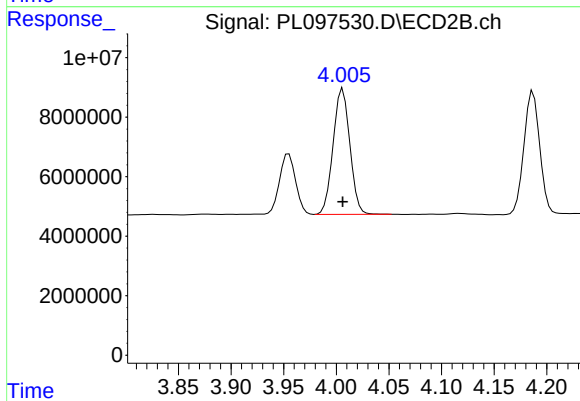
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 44004103
Conc: 4.79 ng/ml



#4 Heptachlor

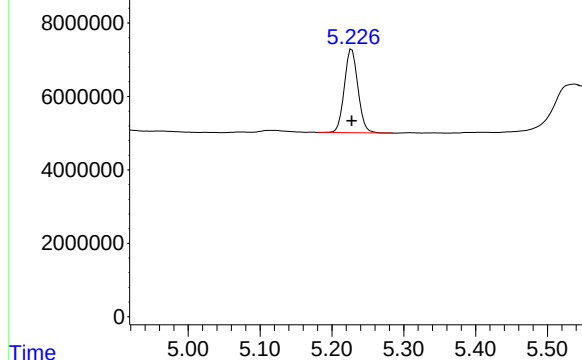
R.T.: 4.888 min
Delta R.T.: 0.000 min
Response: 32306585
Conc: 5.01 ng/ml m



#4 Heptachlor

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 46717000
Conc: 5.08 ng/ml

Response_ Signal: PL097530.D\ECD1A.ch



#5 Aldrin

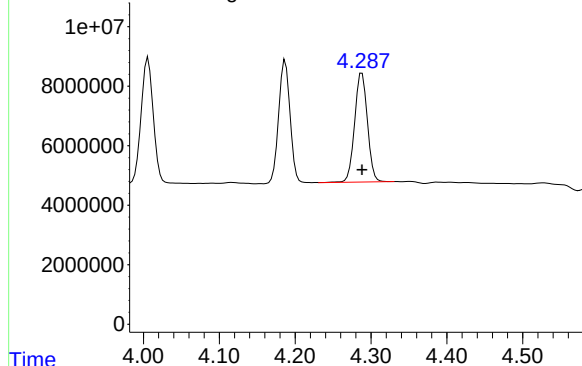
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 29793038
Conc: 4.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
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Supervised By :mohammad ahmed 10/09/2025

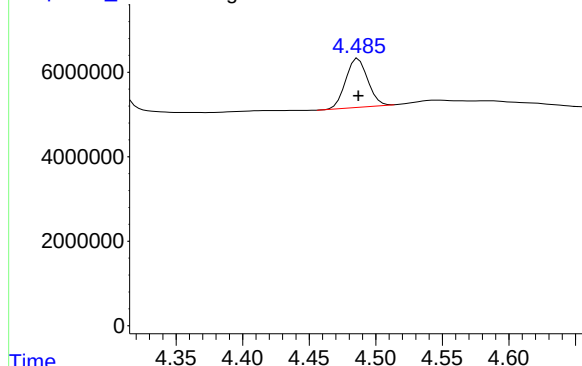
Time Response_ Signal: PL097530.D\ECD2B.ch



#5 Aldrin

R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 42975067
Conc: 4.96 ng/ml

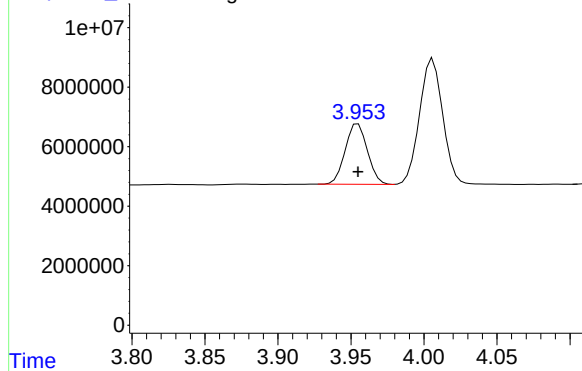
Response_ Signal: PL097530.D\ECD1A.ch



#6 beta-BHC

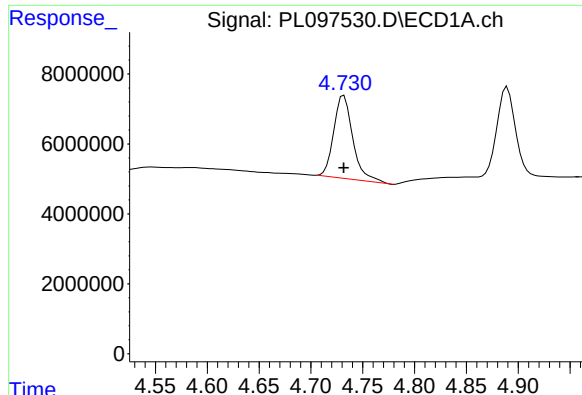
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 13232665
Conc: 5.12 ng/ml

Time Response_ Signal: PL097530.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 21469148
Conc: 5.40 ng/ml



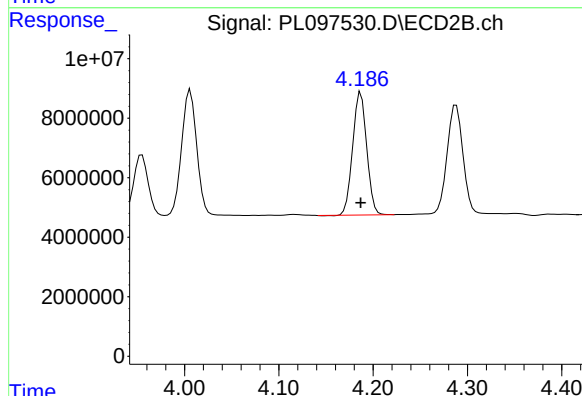
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 30468498
Conc: 5.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

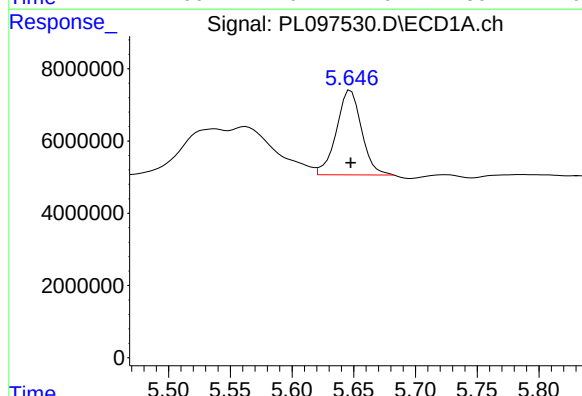
Manual Integrations
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Supervised By :mohammad ahmed 10/09/2025



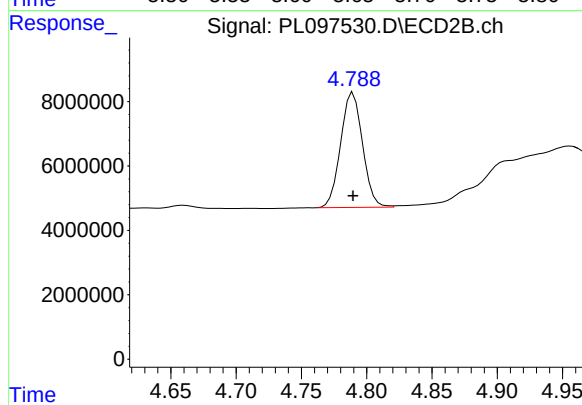
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 42743595
Conc: 4.73 ng/ml



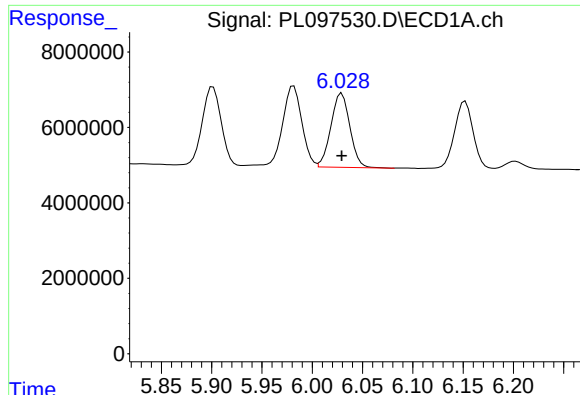
#8 Heptachlor epoxide

R.T.: 5.646 min
Delta R.T.: -0.001 min
Response: 33101826
Conc: 5.54 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 41697351
Conc: 5.28 ng/ml



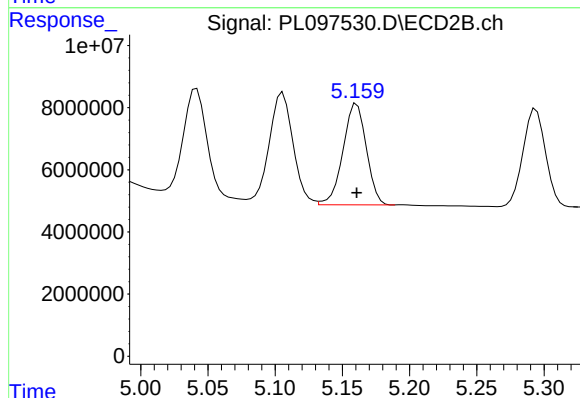
#9 Endosulfan I

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 25685922
Conc: 5.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

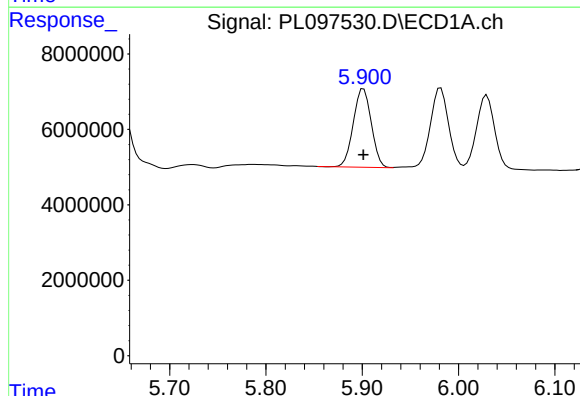
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



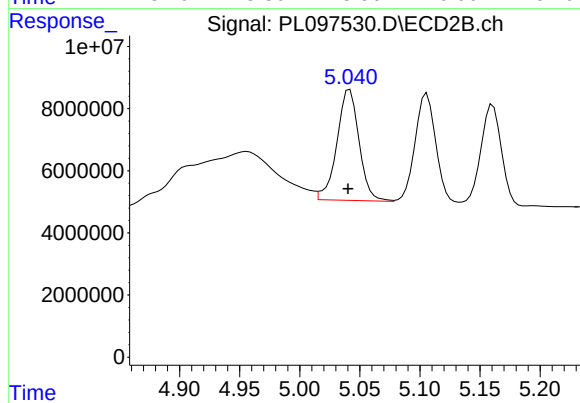
#9 Endosulfan I

R.T.: 5.159 min
Delta R.T.: -0.001 min
Response: 39259145
Conc: 5.27 ng/ml m



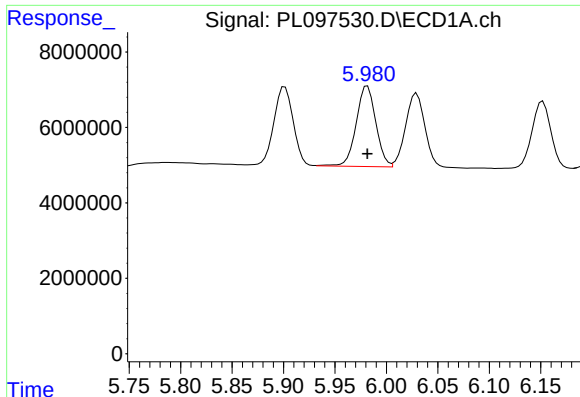
#10 gamma-Chlordane

R.T.: 5.901 min
Delta R.T.: 0.000 min
Response: 26959817
Conc: 4.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 45741136
Conc: 5.28 ng/ml m



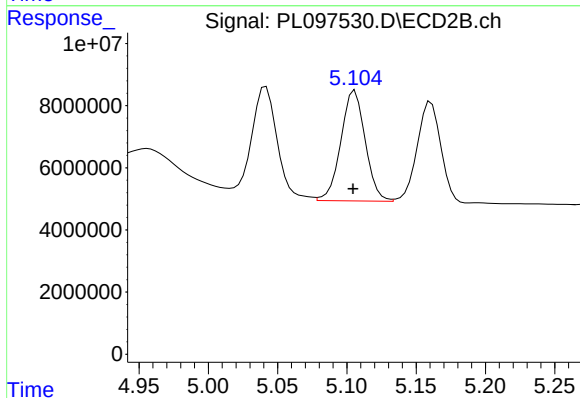
#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 28366665
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

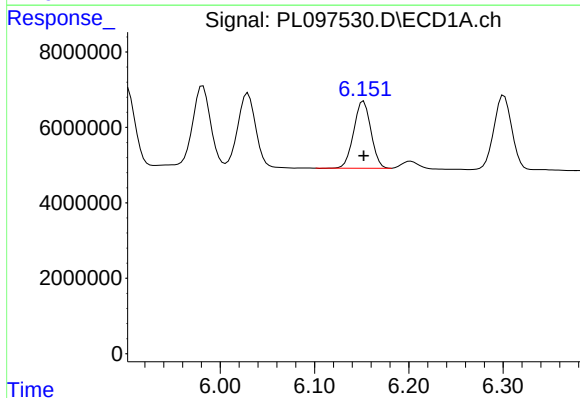
Manual Integrations
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Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



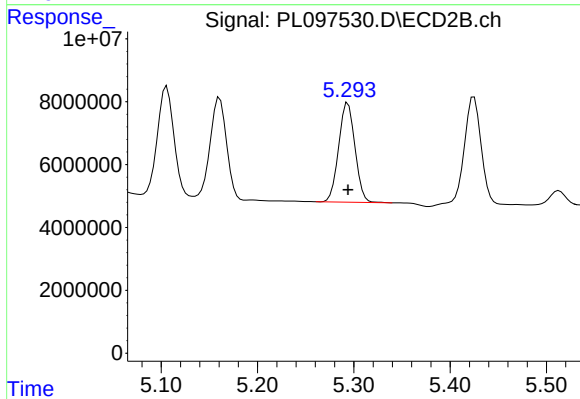
#11 alpha-Chlordane

R.T.: 5.104 min
Delta R.T.: 0.000 min
Response: 43589310
Conc: 5.25 ng/ml m



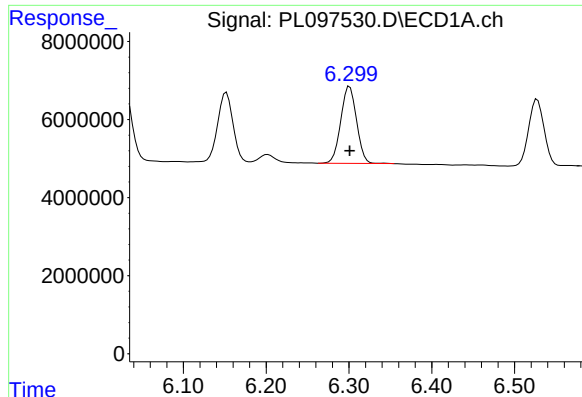
#12 4,4'-DDE

R.T.: 6.152 min
Delta R.T.: 0.000 min
Response: 22578205
Conc: 4.85 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: 0.000 min
Response: 37045119
Conc: 4.88 ng/ml



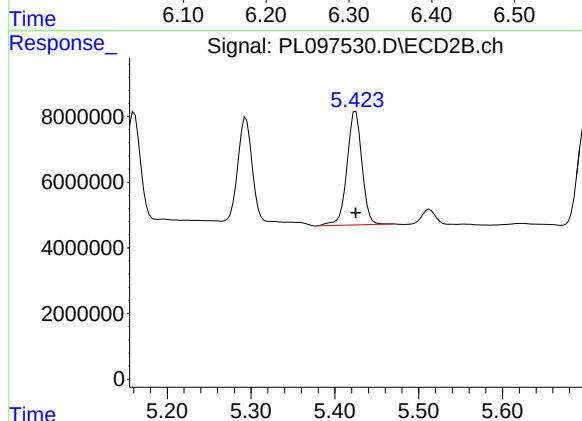
#13 Dieldrin

R.T.: 6.301 min
Delta R.T.: 0.000 min
Response: 26178667
Conc: 4.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

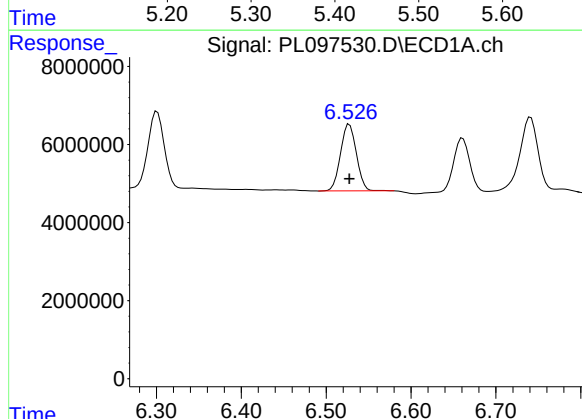
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



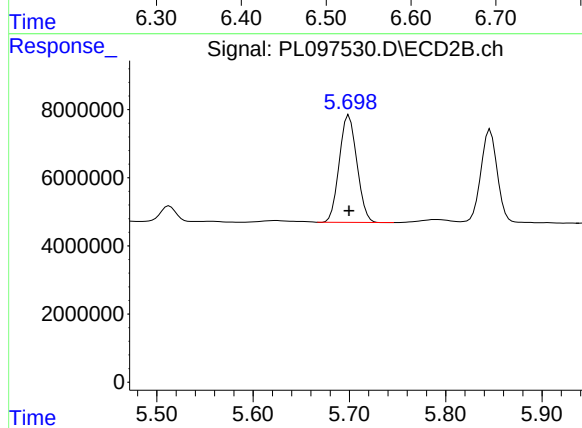
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: 0.000 min
Response: 43077308
Conc: 5.21 ng/ml



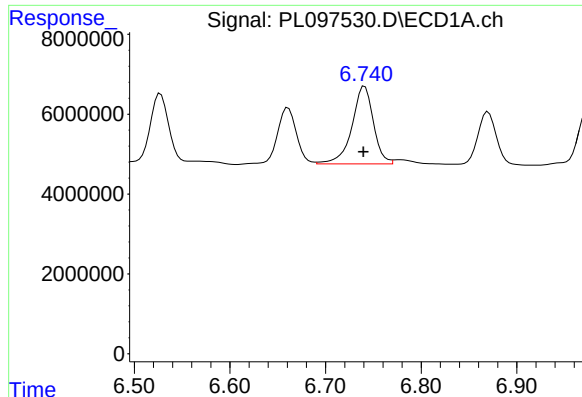
#14 Endrin

R.T.: 6.527 min
Delta R.T.: 0.000 min
Response: 22242785
Conc: 4.97 ng/ml



#14 Endrin

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 40023725
Conc: 5.41 ng/ml



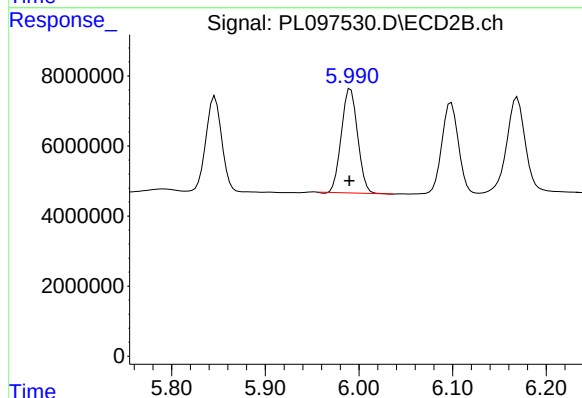
#15 Endosulfan II

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 30509296
Conc: 6.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

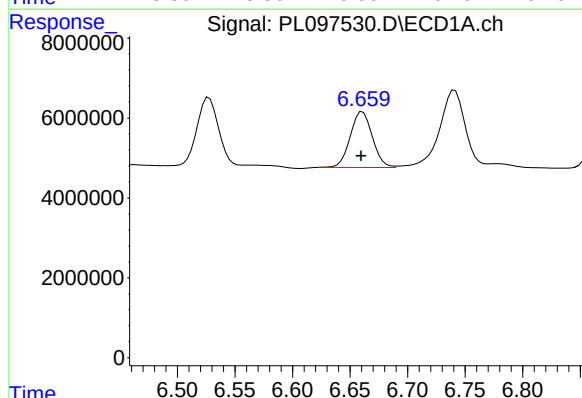
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



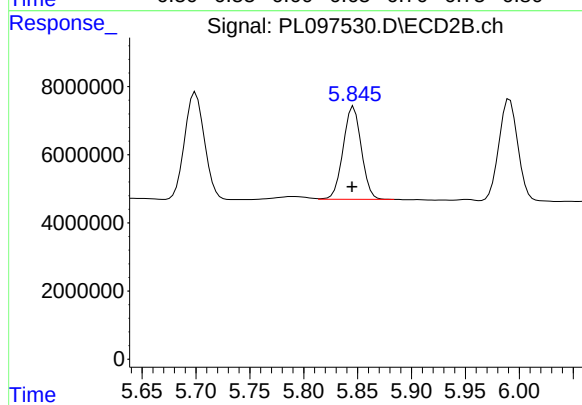
#15 Endosulfan II

R.T.: 5.991 min
Delta R.T.: 0.001 min
Response: 35911153
Conc: 5.18 ng/ml



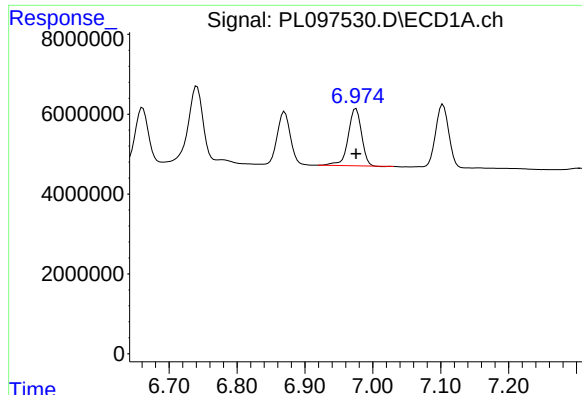
#16 4,4'-DDD

R.T.: 6.659 min
Delta R.T.: 0.000 min
Response: 18850267
Conc: 4.99 ng/ml m



#16 4,4'-DDD

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 32072276
Conc: 5.02 ng/ml m



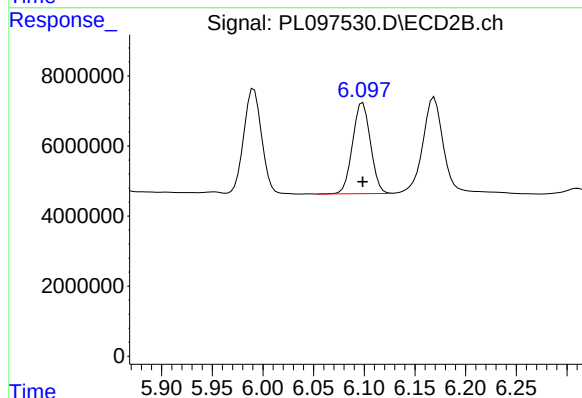
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: 0.000 min
Response: 19545223
Conc: 4.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

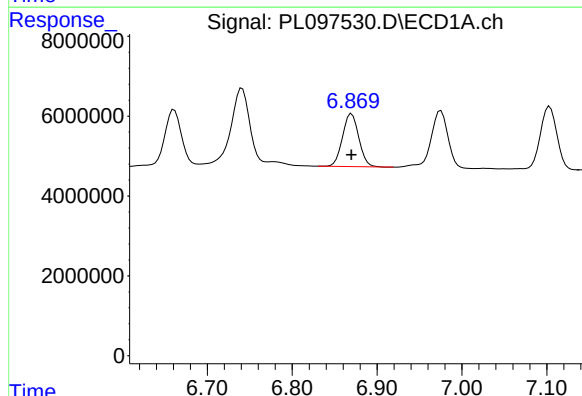
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



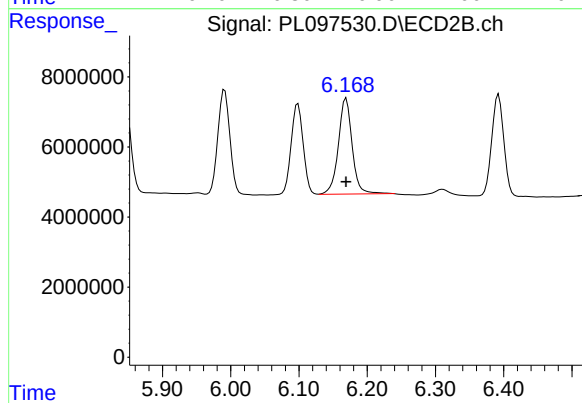
#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: 0.000 min
Response: 31911242
Conc: 4.79 ng/ml



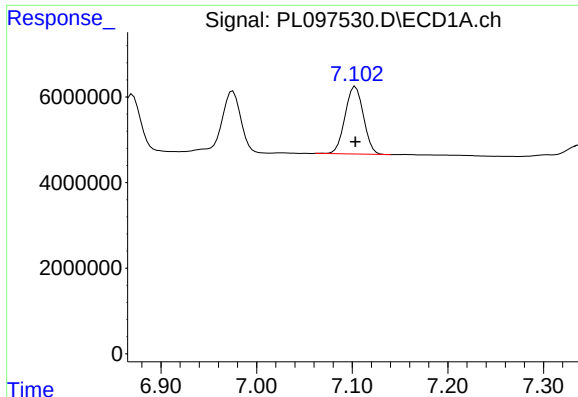
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 17702219
Conc: 5.40 ng/ml



#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 38554790
Conc: 6.70 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.103 min
Delta R.T.: 0.000 min
Response: 21130418
Conc: 5.27 ng/ml

Instrument :

ECD_L

ClientSampleId :

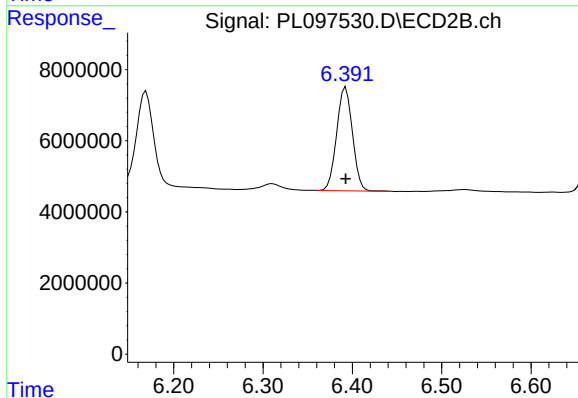
PSTDICC005

Manual Integrations

APPROVED

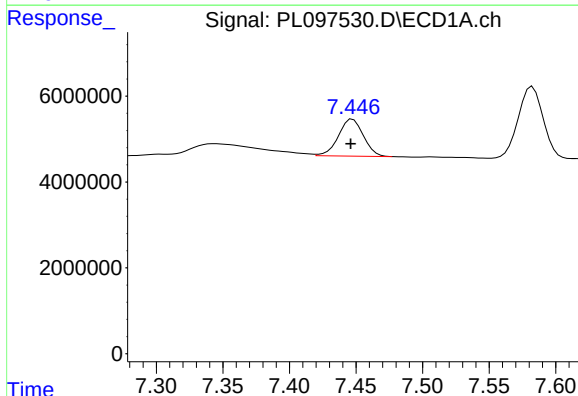
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



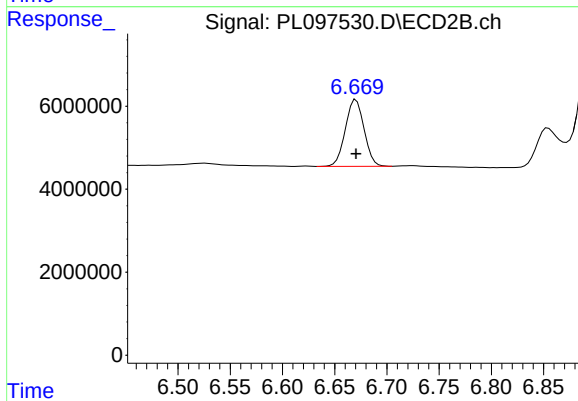
#19 Endosulfan Sulfate

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 35709397
Conc: 5.36 ng/ml



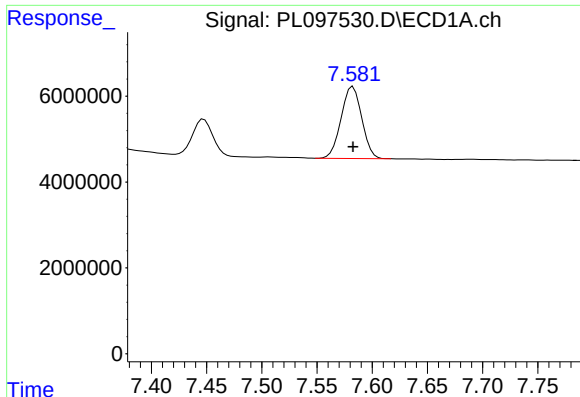
#20 Methoxychlor

R.T.: 7.446 min
Delta R.T.: 0.000 min
Response: 11260639
Conc: 5.37 ng/ml m



#20 Methoxychlor

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 20091269
Conc: 5.51 ng/ml



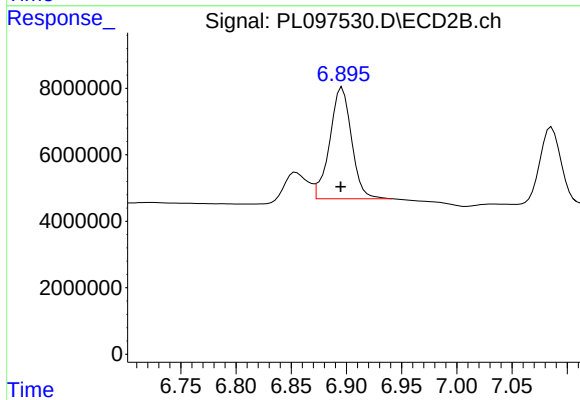
#21 Endrin ketone

R.T.: 7.581 min
Delta R.T.: -0.001 min
Response: 21852412
Conc: 5.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

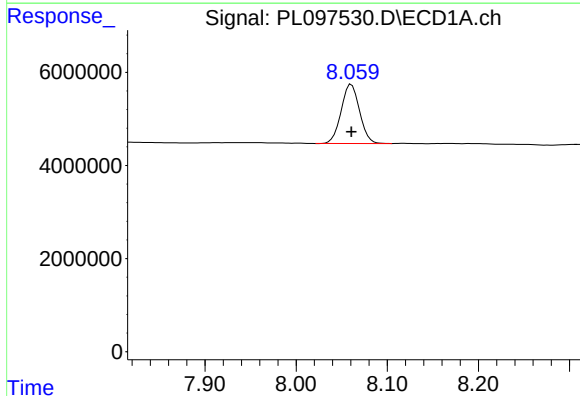
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



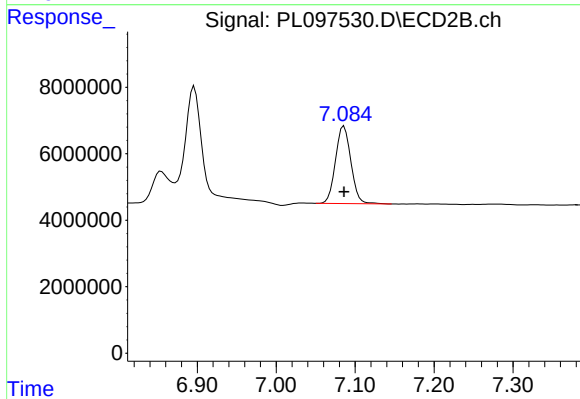
#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: 0.000 min
Response: 45578581
Conc: 5.82 ng/ml m



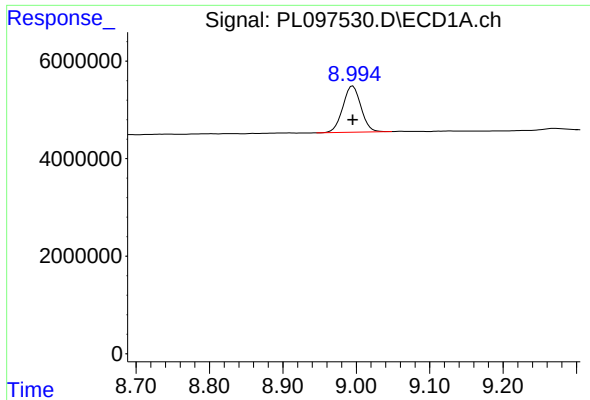
#22 Mirex

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 17837199
Conc: 5.74 ng/ml



#22 Mirex

R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 31483732
Conc: 5.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 16313666
Conc: 5.49 ng/ml

Instrument :

ECD_L

ClientSampleId :

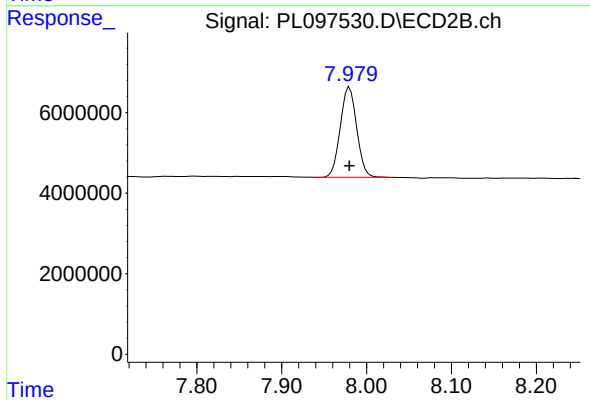
PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 30126190
Conc: 5.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097533.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:05
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:27:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 13:26:49 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 x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.524	2.821	180.5E6	352.0E6	50.000	50.000
28)	SA Decachlor...	8.996	7.980	129.9E6	231.8E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.676	3.830	98917512	124.8E6	500.000	500.000
24)	Chlordane-2	5.199	4.408	112.5E6	139.1E6	500.000	500.000
25)	Chlordane-3	5.902	5.041	412.5E6	442.0E6	500.000	500.000
26)	Chlordane-4	5.987	5.104	499.9E6	391.0E6	500.000	500.000
27)	Chlordane-5	6.823	5.998	86009600	145.9E6	500.000	500.000

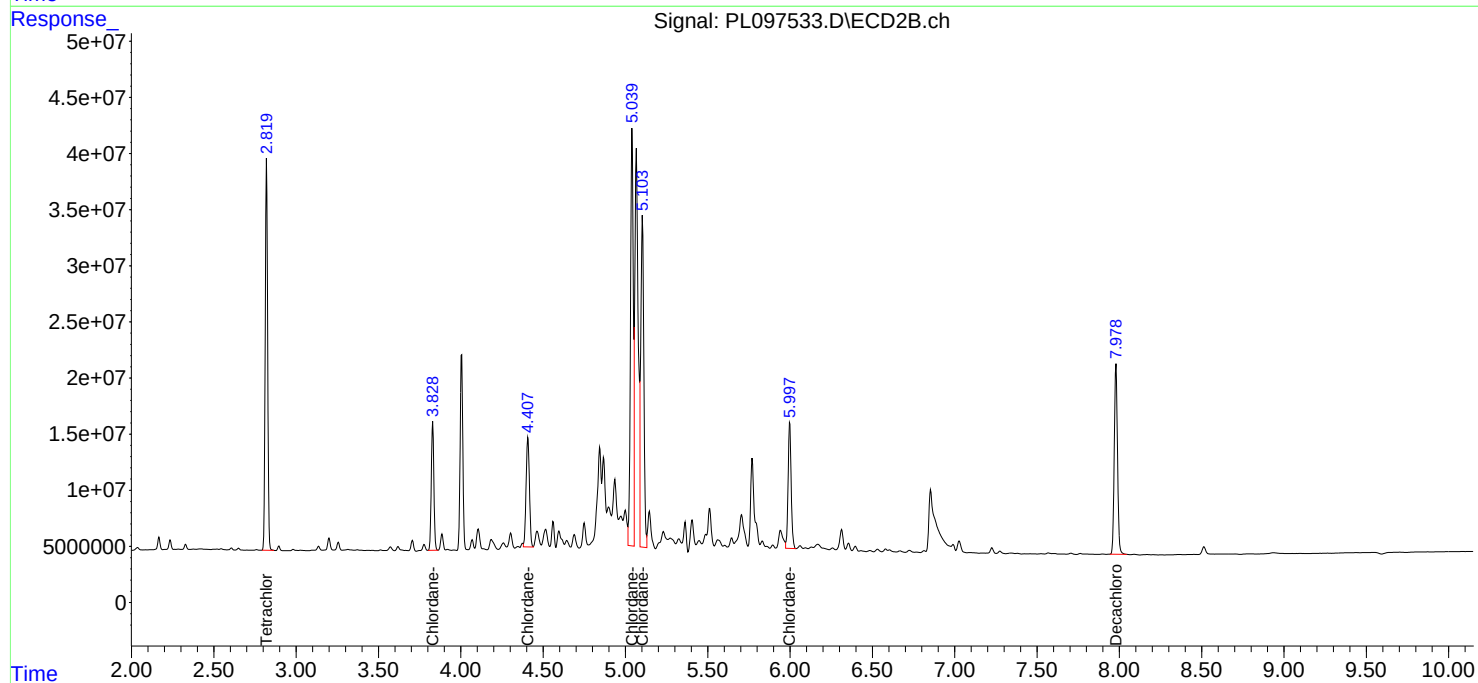
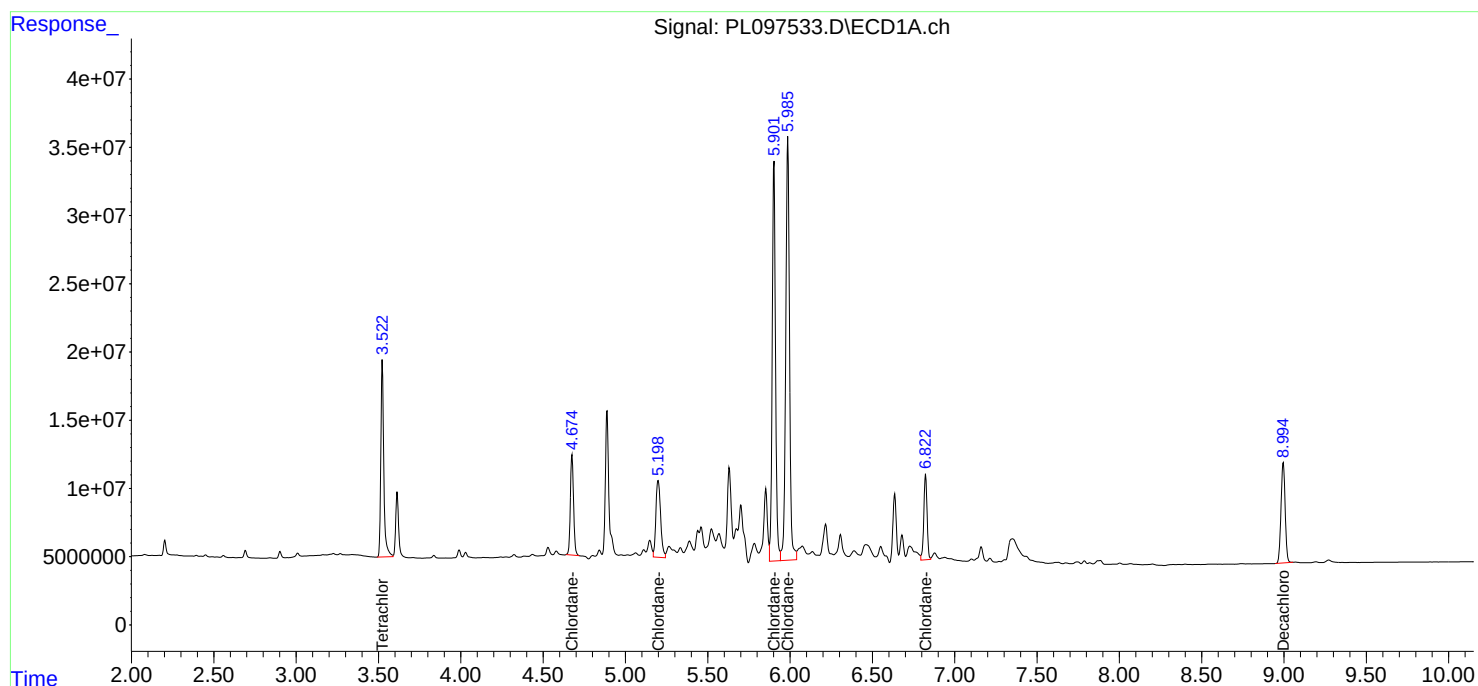
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097533.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:05
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

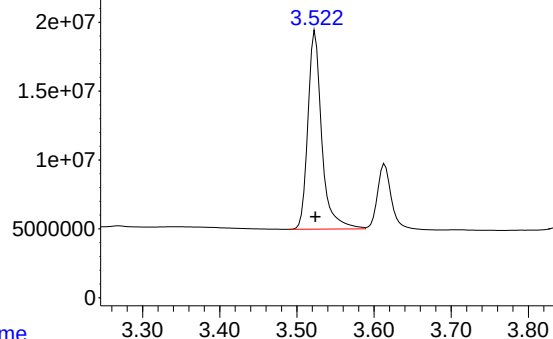
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:27:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 13:26:49 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 x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Response_ Signal: PL097533.D\ECD1A.ch

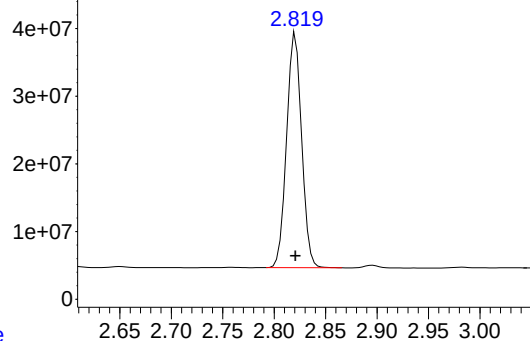


#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: 0.000 min
Response: 180456880
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

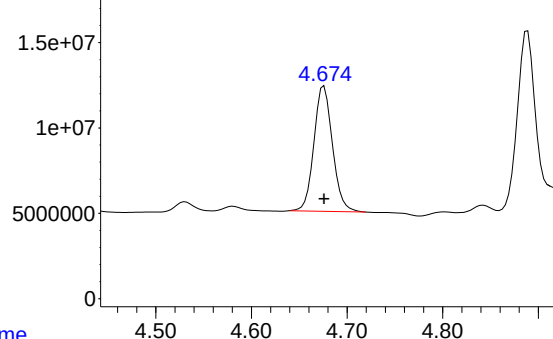
Time Response_ Signal: PL097533.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.821 min
Delta R.T.: 0.000 min
Response: 352005643
Conc: 50.00 ng/ml

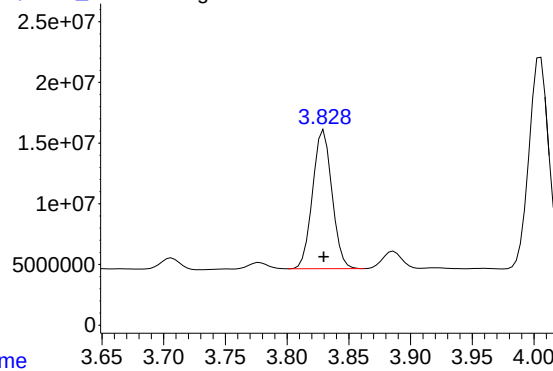
Time Response_ Signal: PL097533.D\ECD1A.ch



#23 Chlordane-1

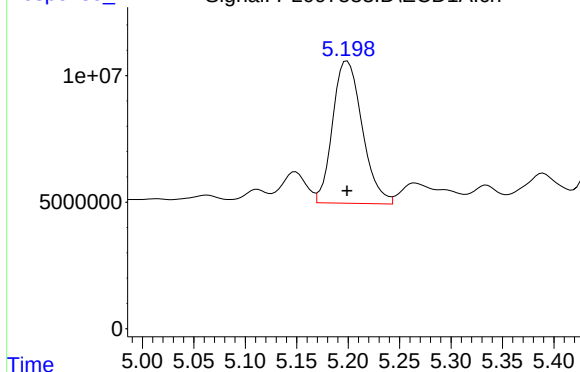
R.T.: 4.676 min
Delta R.T.: 0.000 min
Response: 98917512
Conc: 500.00 ng/ml

Time Response_ Signal: PL097533.D\ECD2B.ch



#23 Chlordane-1

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 124843732
Conc: 500.00 ng/ml



R.T.: 5.199 min
Delta R.T.: 0.000 min
Response: 112514401
Conc: 500.00 ng/ml

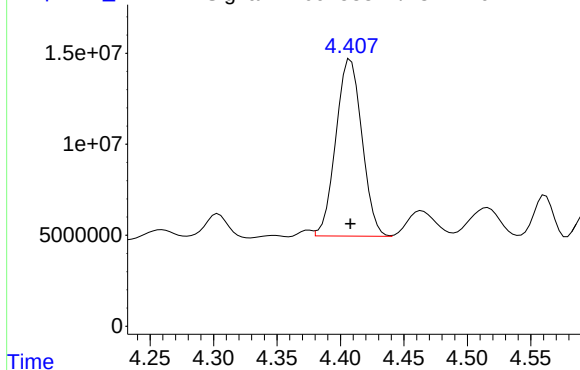
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time 5.00 5.05 5.10 5.15 5.20 5.25 5.30 5.35 5.40

Response_

Signal: PL097533.D\ECD2B.ch

#24 Chlordane-2



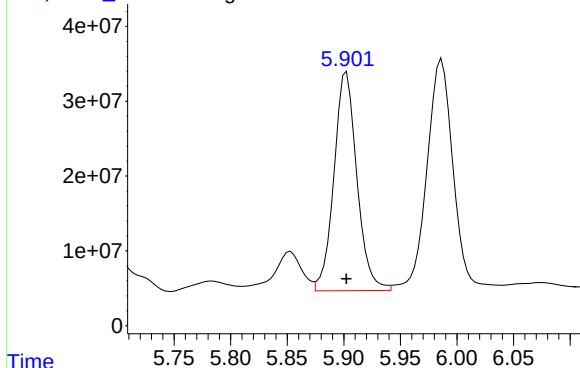
R.T.: 4.408 min
Delta R.T.: 0.000 min
Response: 139128679
Conc: 500.00 ng/ml

Time 4.25 4.30 4.35 4.40 4.45 4.50 4.55

Response_

Signal: PL097533.D\ECD1A.ch

#25 Chlordane-3



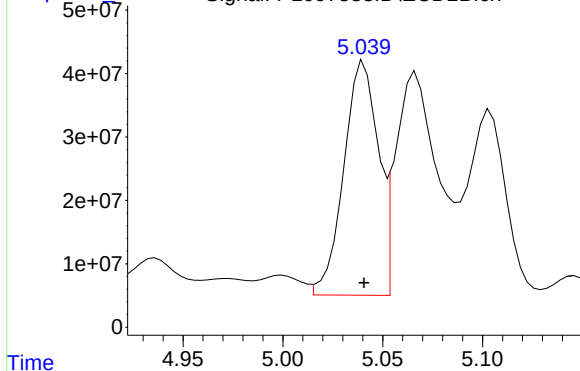
R.T.: 5.902 min
Delta R.T.: 0.000 min
Response: 412457375
Conc: 500.00 ng/ml

Time 5.75 5.80 5.85 5.90 5.95 6.00 6.05

Response_

Signal: PL097533.D\ECD2B.ch

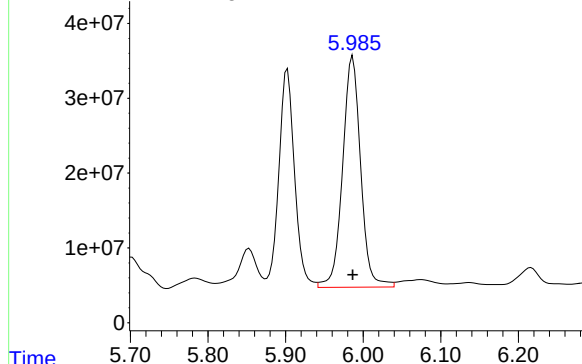
#25 Chlordane-3



R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 442019519
Conc: 500.00 ng/ml

Time 4.95 5.00 5.05 5.10

Response_ Signal: PL097533.D\ECD1A.ch

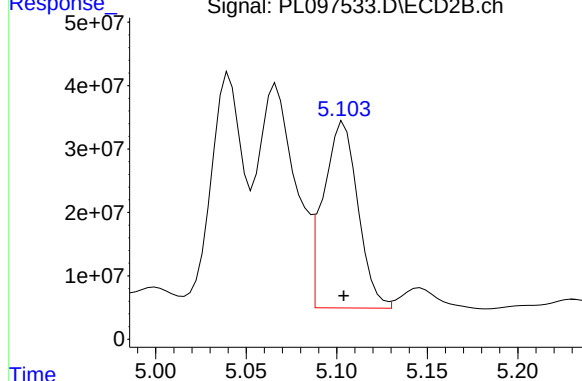


#26 Chlordane-4

R.T.: 5.987 min
Delta R.T.: 0.000 min
Response: 499923860
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

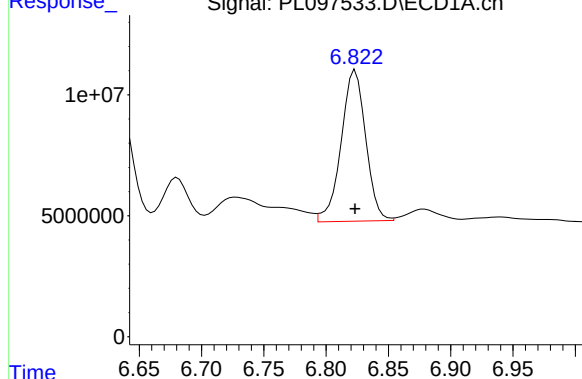
Time Response_ Signal: PL097533.D\ECD2B.ch



#26 Chlordane-4

R.T.: 5.104 min
Delta R.T.: 0.000 min
Response: 390988552
Conc: 500.00 ng/ml

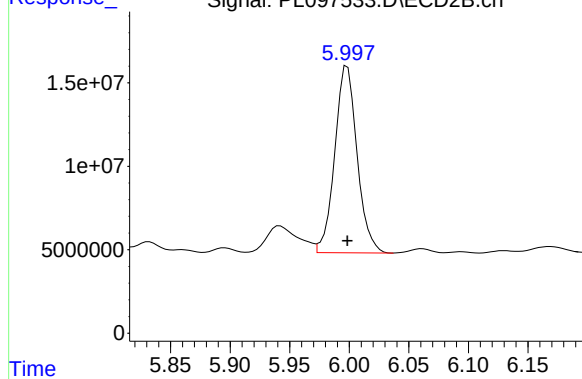
Time Response_ Signal: PL097533.D\ECD1A.ch



#27 Chlordane-5

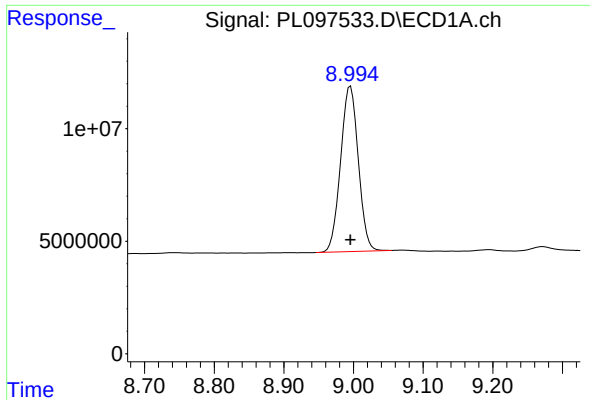
R.T.: 6.823 min
Delta R.T.: 0.000 min
Response: 86009600
Conc: 500.00 ng/ml

Time Response_ Signal: PL097533.D\ECD2B.ch



#27 Chlordane-5

R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 145879541
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

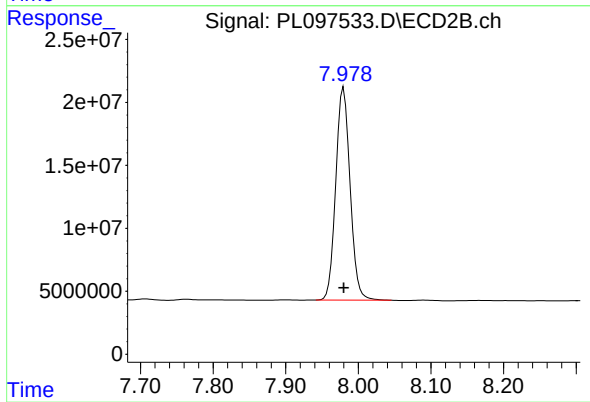
R.T.: 8.996 min

Delta R.T.: 0.000 min

Response: 129851357

Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.980 min

Delta R.T.: 0.000 min

Response: 231809198

Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 14:13
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 02:44:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX100725.M
Quant Title : GC Extractables
QLast Update : Wed Oct 08 02:43:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 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...	3.525	2.823	201.8E6	303.5E6	50.000	50.000
7) SA Decachlor...	8.995	7.980	152.2E6	268.7E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.197	5.064	19618950	21824392	500.000	500.000
3) Toxaphene-2	6.596	5.749	15978539	27407056	500.000	500.000
4) Toxaphene-3	7.010	6.029	70581901	28284734	500.000	500.000
5) Toxaphene-4	7.100	6.664	51701599	86131706	500.000	500.000
6) Toxaphene-5	7.879	7.104	37008274	52364800	500.000	500.000

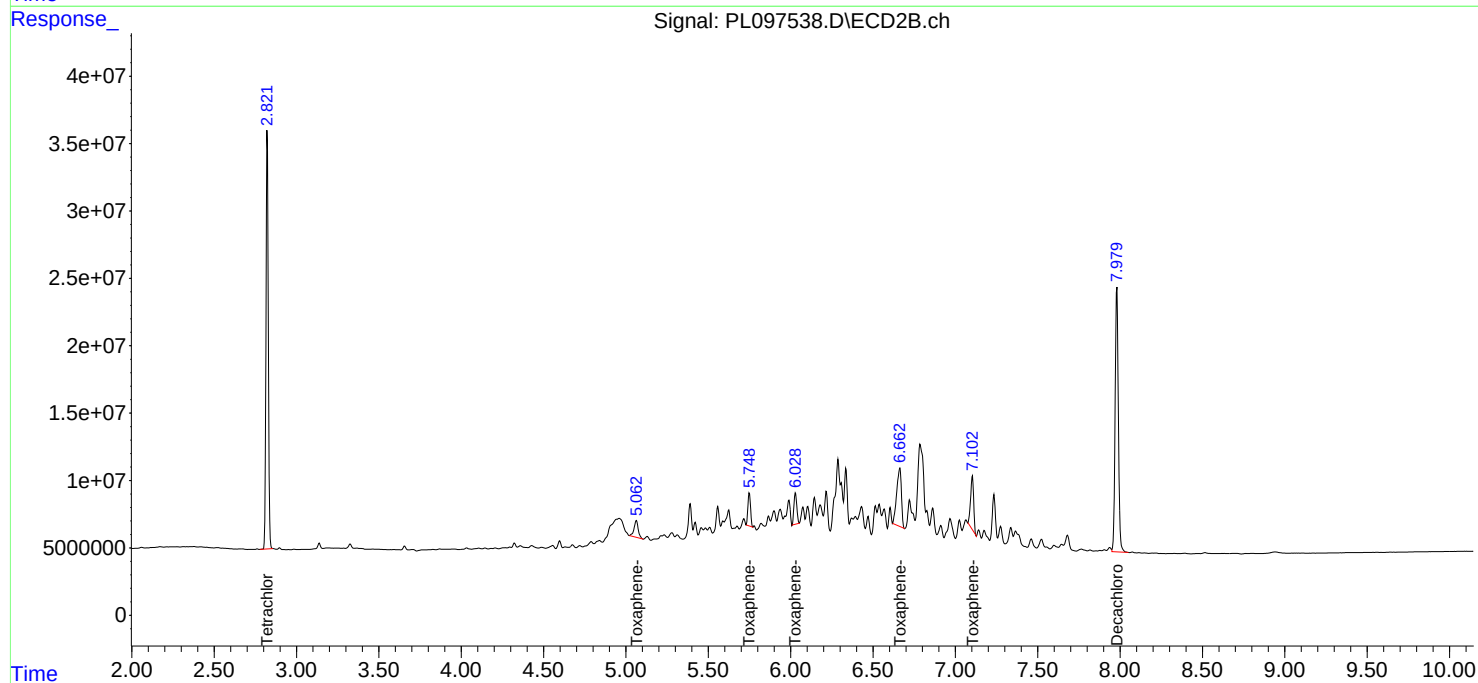
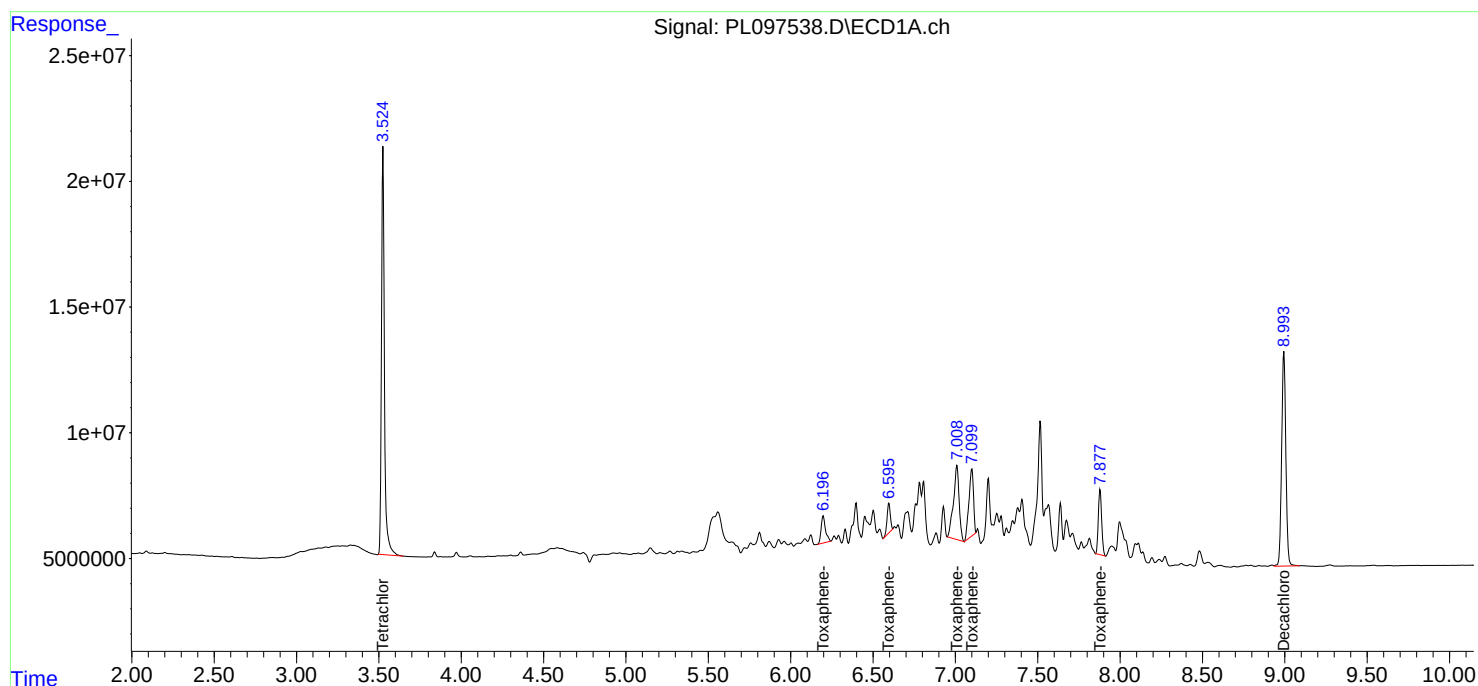
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

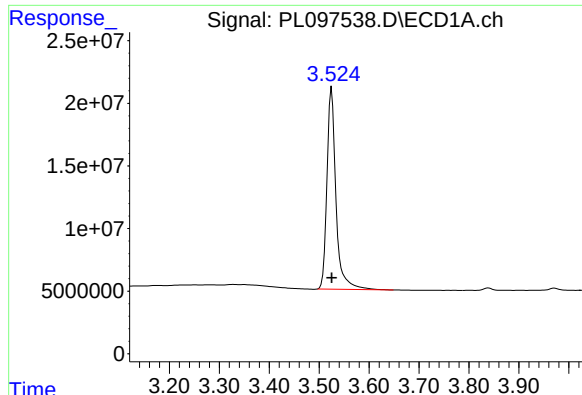
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 14:13
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 02:44:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX100725.M
Quant Title : GC Extractables
QLast Update : Wed Oct 08 02:43:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

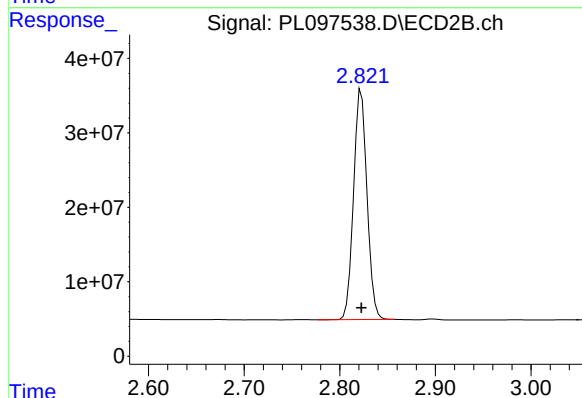




#1 Tetrachloro-m-xylene

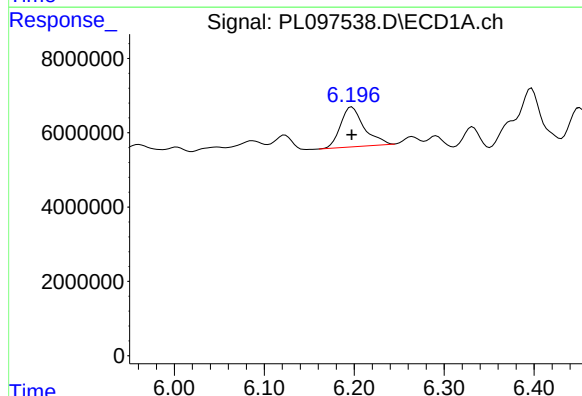
R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 201809321
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



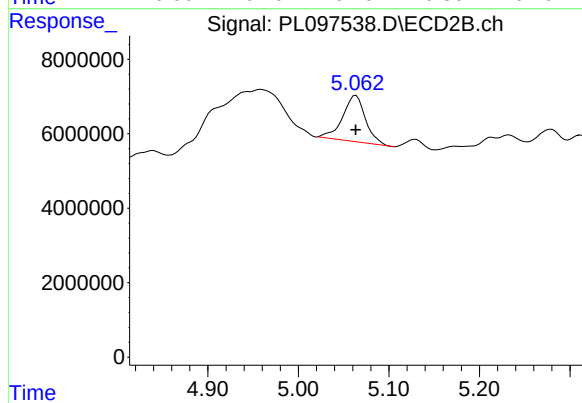
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 303527691
Conc: 50.00 ng/ml



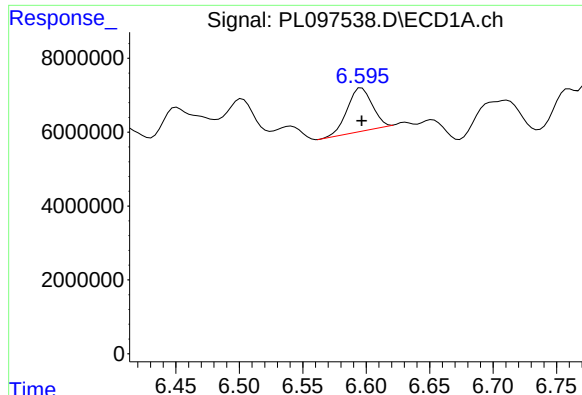
#2 Toxaphene-1

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 19618950
Conc: 500.00 ng/ml



#2 Toxaphene-1

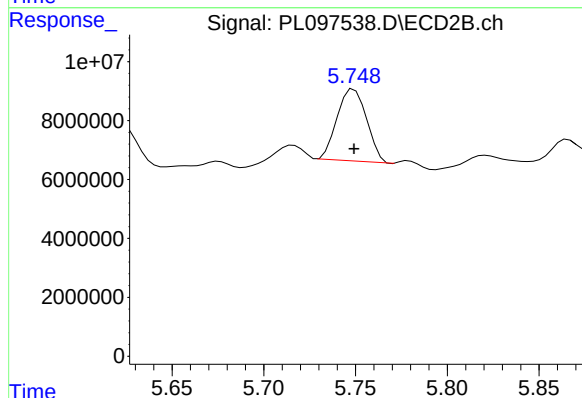
R.T.: 5.064 min
Delta R.T.: 0.000 min
Response: 21824392
Conc: 500.00 ng/ml



#3 Toxaphene-2

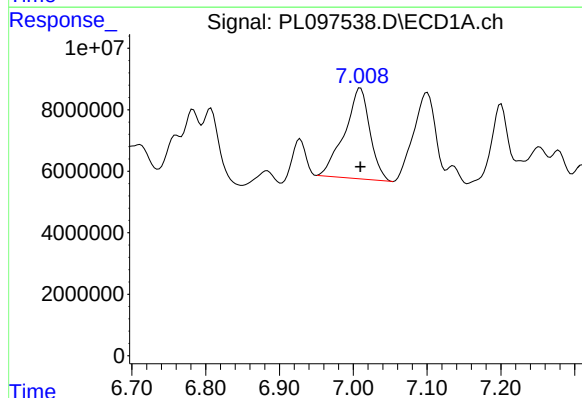
R.T.: 6.596 min
Delta R.T.: 0.000 min
Response: 15978539
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



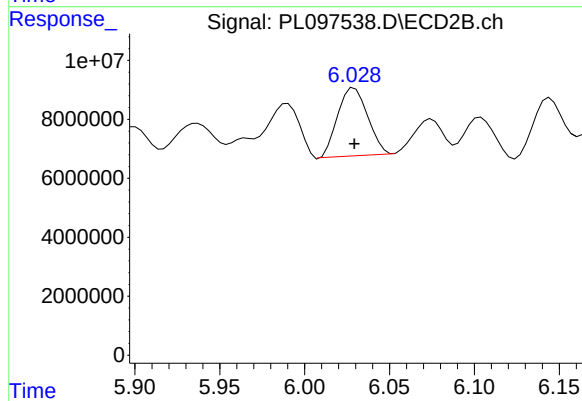
#3 Toxaphene-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 27407056
Conc: 500.00 ng/ml



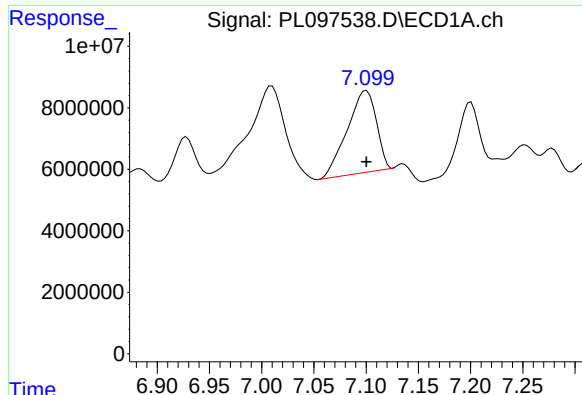
#4 Toxaphene-3

R.T.: 7.010 min
Delta R.T.: 0.000 min
Response: 70581901
Conc: 500.00 ng/ml



#4 Toxaphene-3

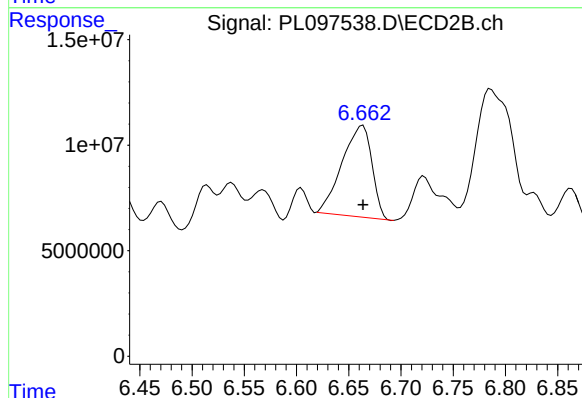
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 28284734
Conc: 500.00 ng/ml



#5 Toxaphene-4

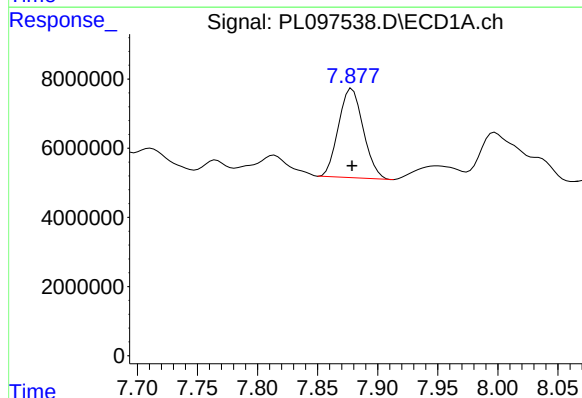
R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 51701599
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



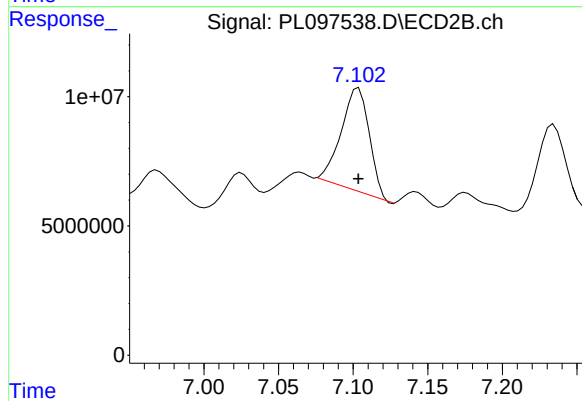
#5 Toxaphene-4

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 86131706
Conc: 500.00 ng/ml



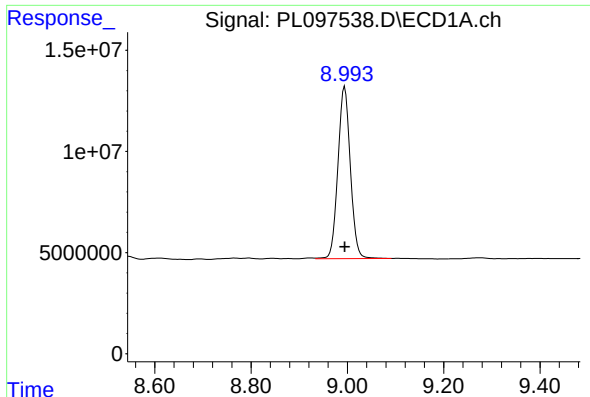
#6 Toxaphene-5

R.T.: 7.879 min
Delta R.T.: 0.000 min
Response: 37008274
Conc: 500.00 ng/ml



#6 Toxaphene-5

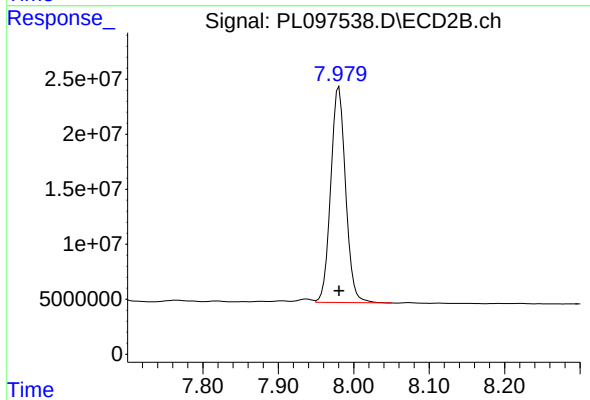
R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 52364800
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 152214224
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 268707563
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097541.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 15:26
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL100725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 15:40:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 14:32:10 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.823	196.5E6	292.3E6	48.196	48.031
28)	SA Decachlor...	8.995	7.980	142.1E6	252.1E6	47.773	48.585
Target Compounds							
2)	A alpha-BHC	3.971	3.328	328.4E6	485.0E6	48.686	49.152
3)	MA gamma-BHC...	4.299	3.659	308.4E6	450.1E6	48.521	48.996
4)	MA Heptachlor	4.890	4.006	313.4E6	447.8E6	48.585	48.714
5)	MB Aldrin	5.229	4.288	291.3E6	424.4E6	48.442	48.941
6)	B beta-BHC	4.487	3.955	126.3E6	190.4E6	48.855	47.859
7)	B delta-BHC	4.732	4.187	292.7E6	444.7E6	48.193	49.227
8)	B Heptachlo...	5.648	4.790	273.0E6	382.8E6	46.897	48.472
9)	A Endosulfan I	6.029	5.160	241.0E6	360.5E6	48.470	48.891
10)	B gamma-Chl...	5.902	5.041	263.4E6	416.4E6	48.523	47.895
11)	B alpha-Chl...	5.982	5.105	261.8E6	400.4E6	48.243	48.084
12)	B 4,4'-DDE	6.152	5.294	226.2E6	374.0E6	48.560	49.257
13)	MA Dieldrin	6.301	5.424	256.3E6	394.7E6	48.731	47.735
14)	MA Endrin	6.528	5.699	216.5E6	354.0E6	48.392	47.833
15)	B Endosulfa...	6.741	5.991	224.4E6	339.0E6	45.863	49.093
16)	A 4,4'-DDD	6.661	5.846	182.9E6	317.1E6	48.475	49.712
17)	MA 4,4'-DDT	6.975	6.099	198.7E6	329.8E6	48.993	49.499
18)	B Endrin al...	6.870	6.169	159.6E6	262.7E6	48.718	45.617
19)	B Endosulfa...	7.104	6.393	193.0E6	324.7E6	48.122	48.770
20)	A Methoxychlor	7.448	6.670	98984099	176.8E6	47.383	48.501
21)	B Endrin ke...	7.583	6.896	208.7E6	364.2E6	48.749	46.108
22)	Mirex	8.061	7.086	147.4E6	256.2E6	47.423	47.897

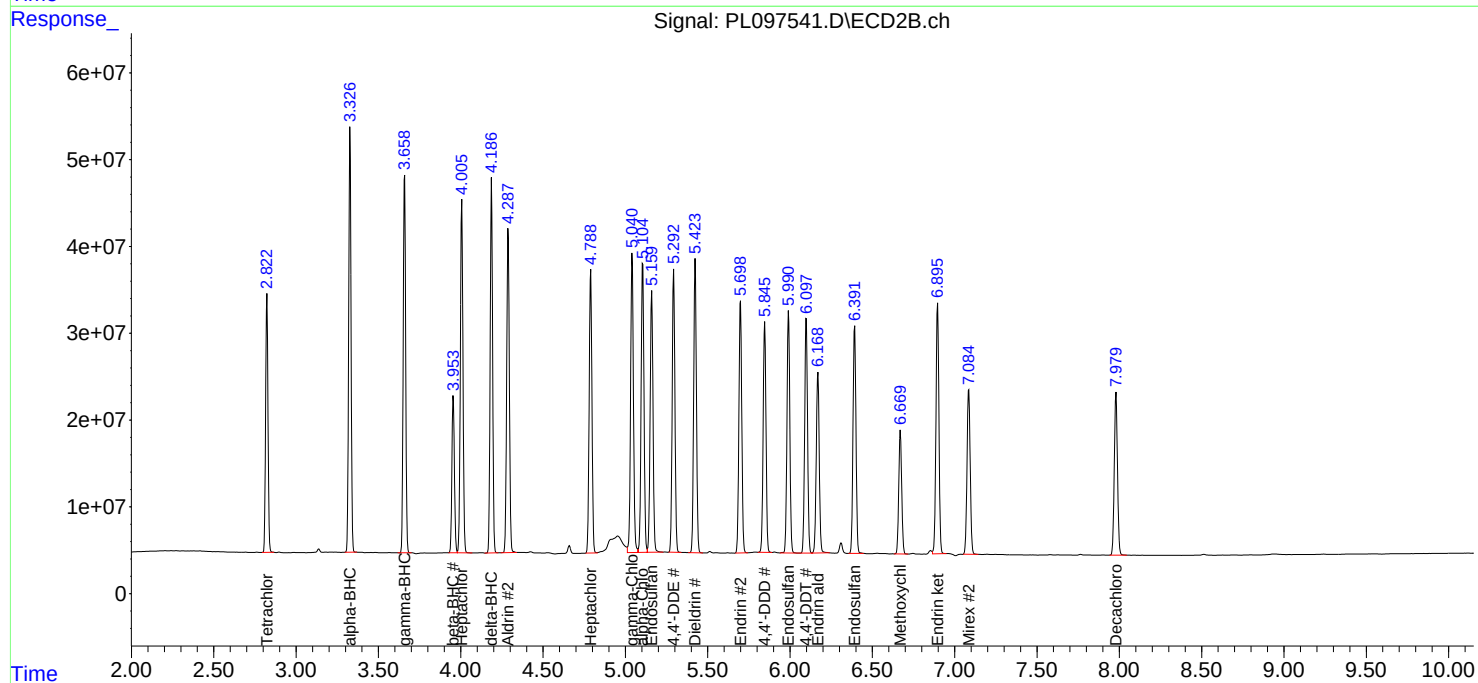
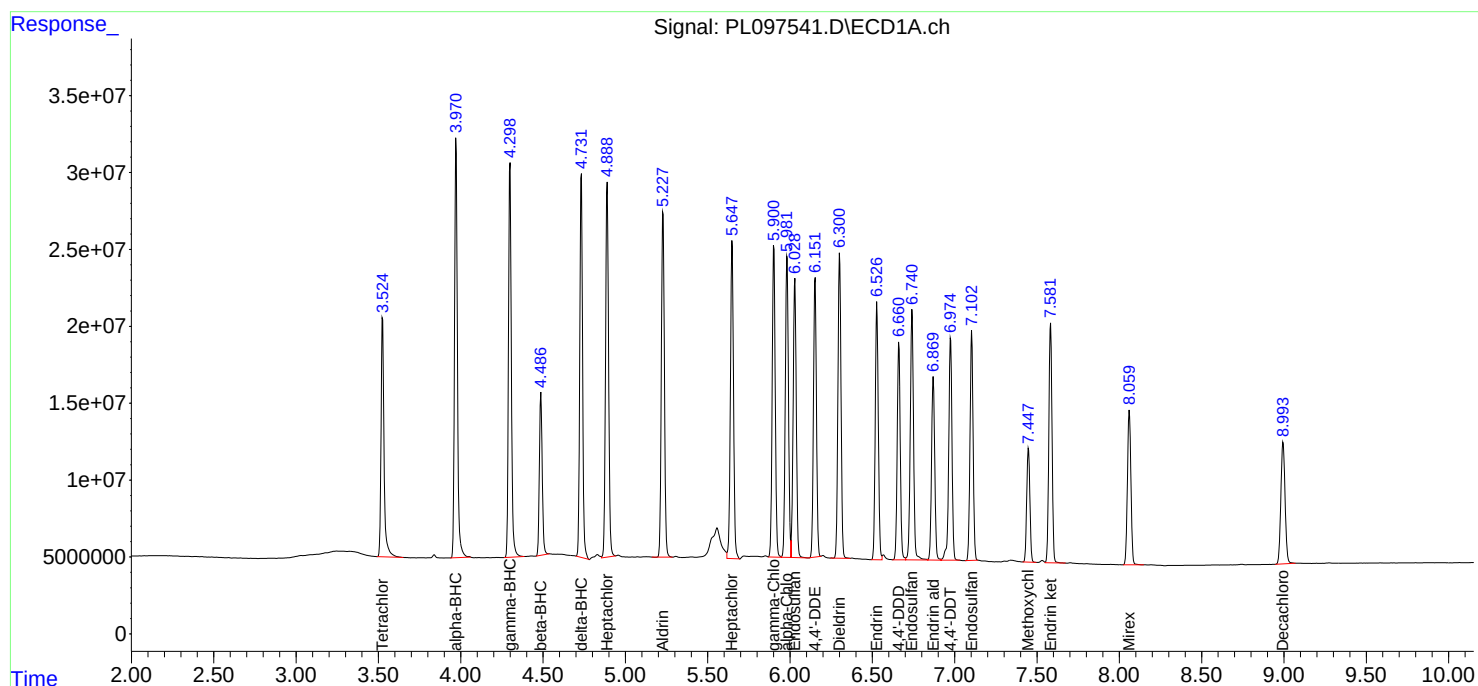
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

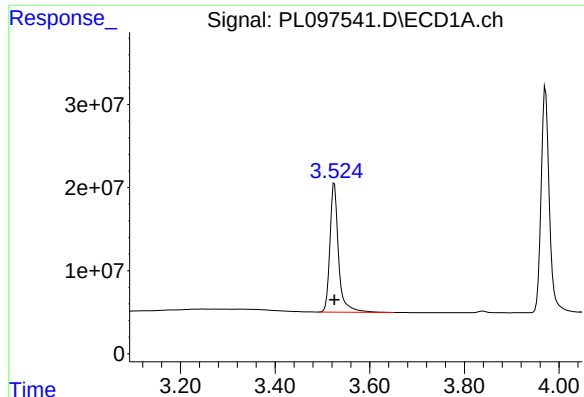
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 15:26
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL100725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 15:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 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 x0.25µm

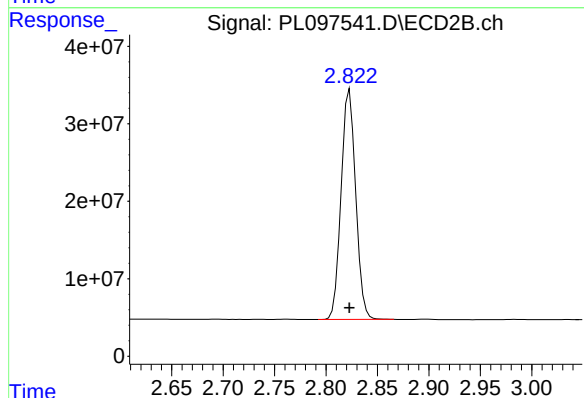




#1 Tetrachloro-m-xylene

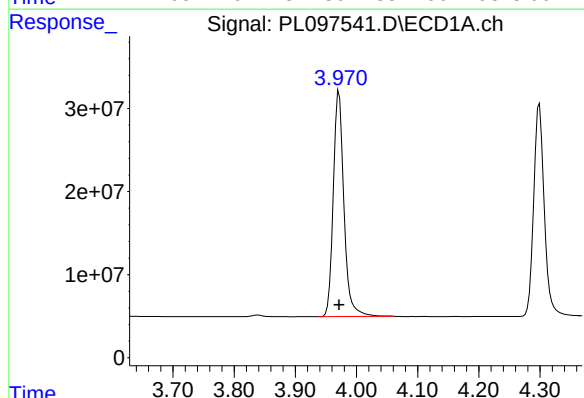
R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 196482893
Conc: 48.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725



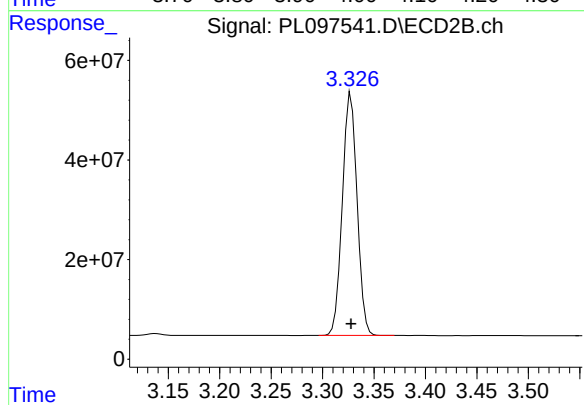
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 292333717
Conc: 48.03 ng/ml



#2 alpha-BHC

R.T.: 3.971 min
Delta R.T.: 0.000 min
Response: 328421539
Conc: 48.69 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 484983368
Conc: 49.15 ng/ml

Response_ Signal: PL097541.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 308412608
Conc: 48.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725

Time

Response_ Signal: PL097541.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 450141815
Conc: 49.00 ng/ml

Time

Response_ Signal: PL097541.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.890 min
Delta R.T.: 0.000 min
Response: 313405395
Conc: 48.58 ng/ml

Time

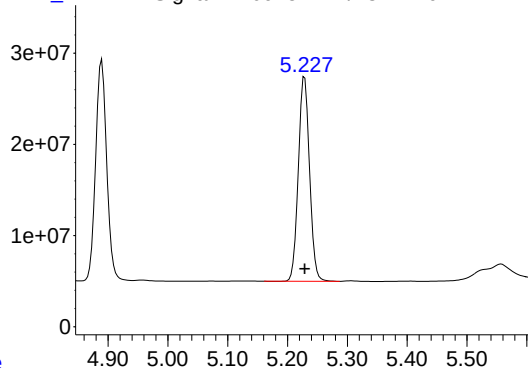
Response_ Signal: PL097541.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 447793721
Conc: 48.71 ng/ml

Time

Response_ Signal: PL097541.D\ECD1A.ch

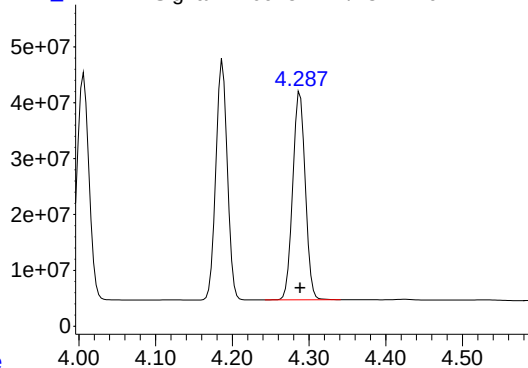


#5 Aldrin

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 291265201
Conc: 48.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725

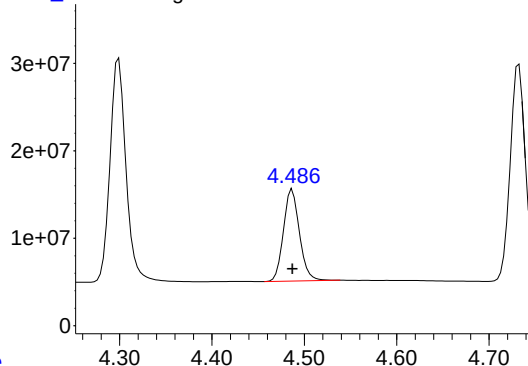
Time Response_ Signal: PL097541.D\ECD2B.ch



#5 Aldrin

R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 424404149
Conc: 48.94 ng/ml

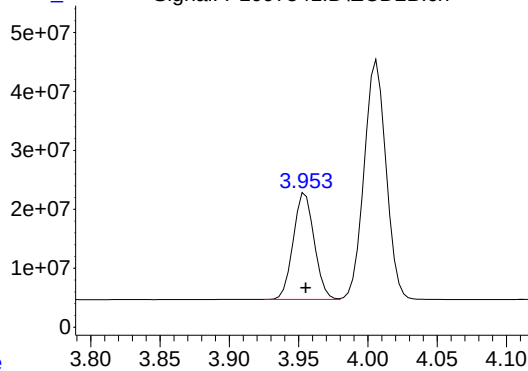
Time Response_ Signal: PL097541.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 126312544
Conc: 48.85 ng/ml

Time Response_ Signal: PL097541.D\ECD2B.ch

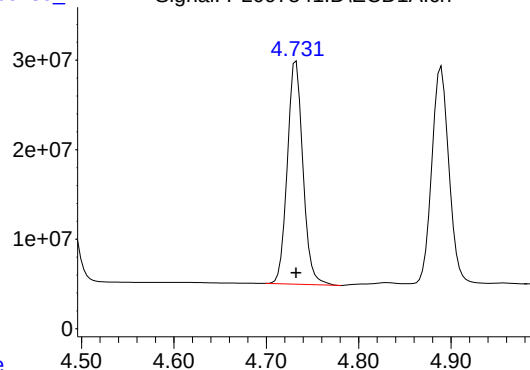


#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 190392056
Conc: 47.86 ng/ml

Response_ Signal: PL097541.D\ECD1A.ch

#7 delta-BHC

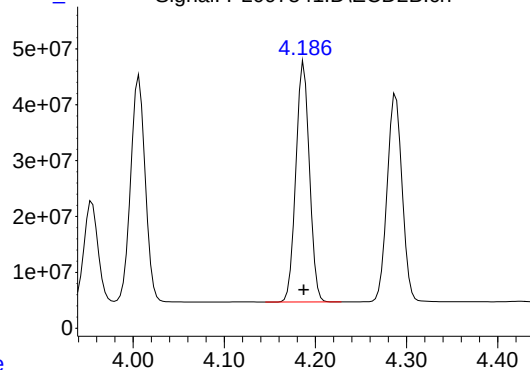


R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 292659490
Conc: 48.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725

Time Response_ Signal: PL097541.D\ECD2B.ch

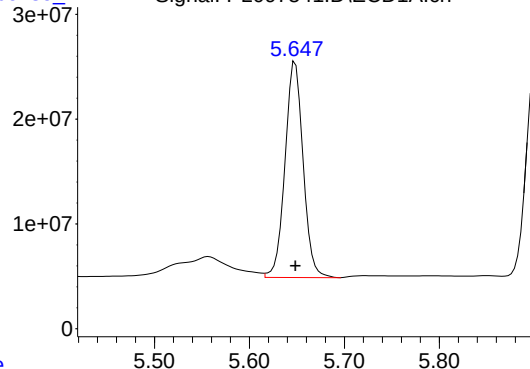
#7 delta-BHC



R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 444718183
Conc: 49.23 ng/ml

Time Response_ Signal: PL097541.D\ECD1A.ch

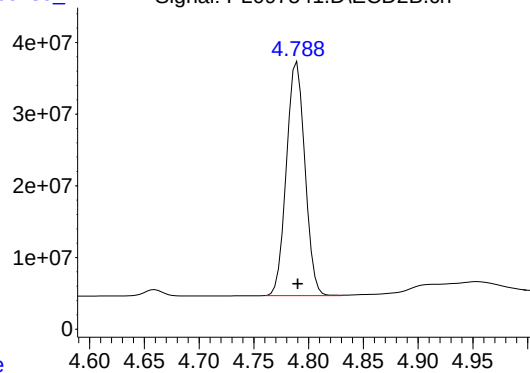
#8 Heptachlor epoxide



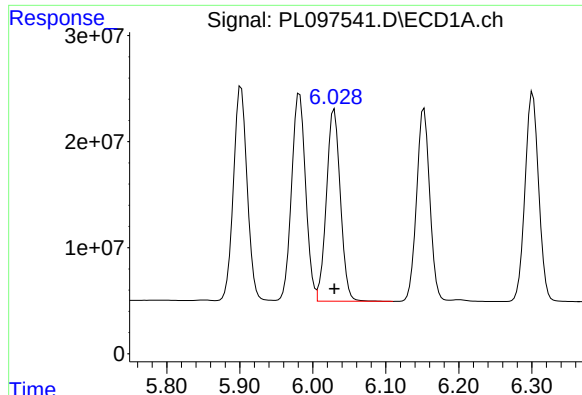
R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 273048910
Conc: 46.90 ng/ml

Time Response_ Signal: PL097541.D\ECD2B.ch

#8 Heptachlor epoxide



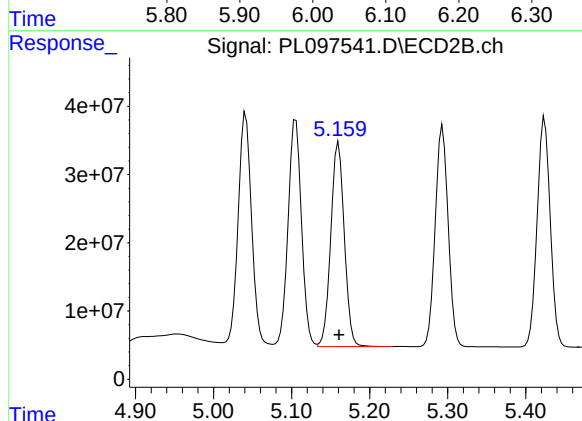
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 382829880
Conc: 48.47 ng/ml



#9 Endosulfan I

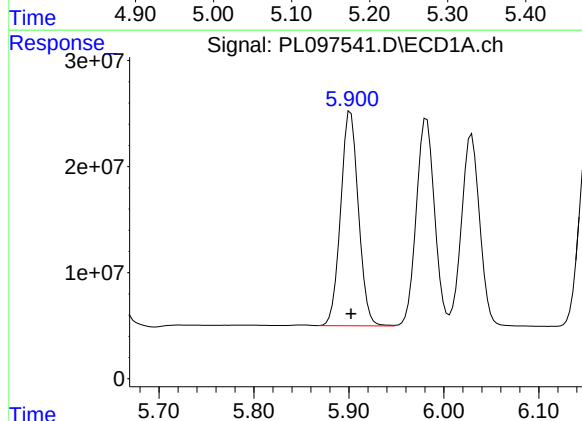
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 240965227
Conc: 48.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725



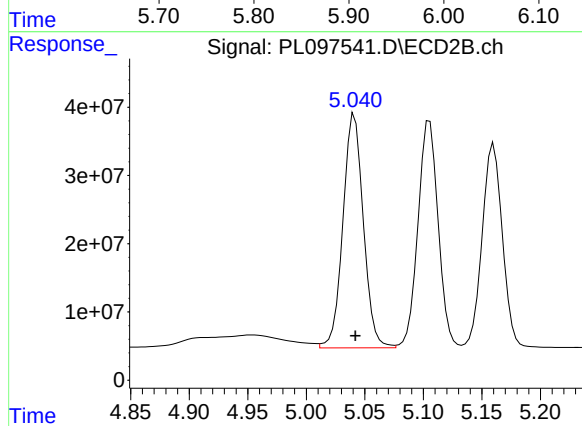
#9 Endosulfan I

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 360535630
Conc: 48.89 ng/ml



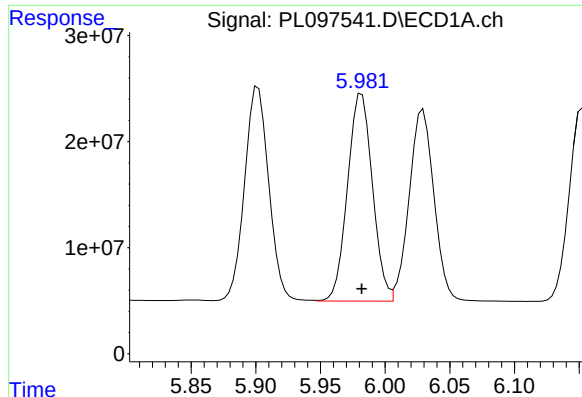
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: 0.000 min
Response: 263356915
Conc: 48.52 ng/ml



#10 gamma-Chlordane

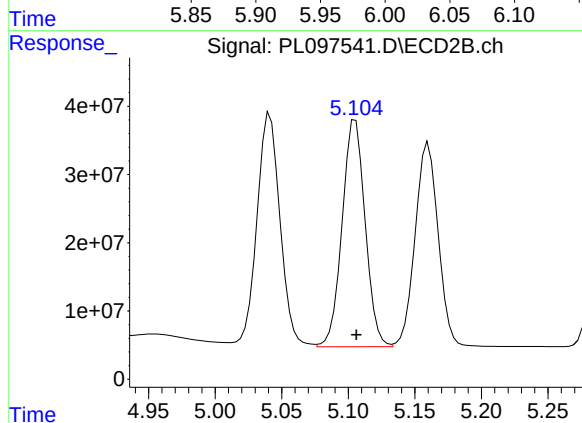
R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 416359312
Conc: 47.89 ng/ml



#11 alpha-Chlordane

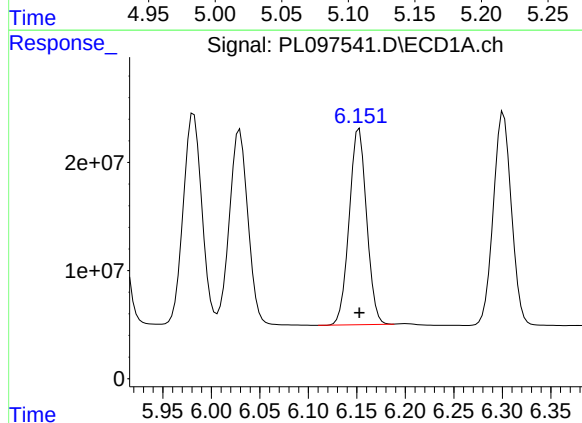
R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 261789451
Conc: 48.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725



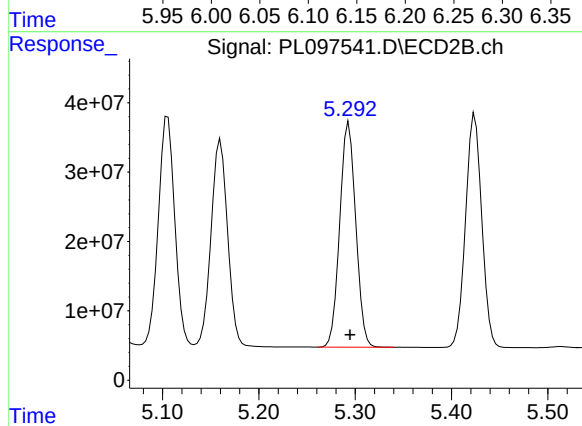
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: 0.000 min
Response: 400410496
Conc: 48.08 ng/ml



#12 4,4'-DDE

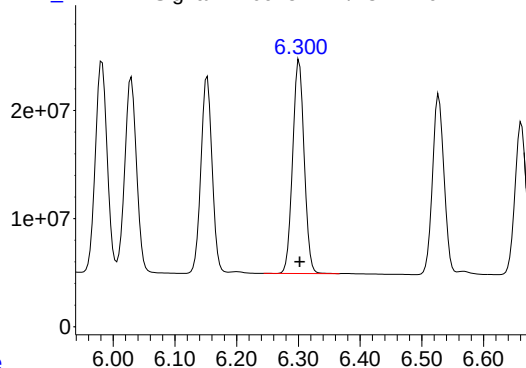
R.T.: 6.152 min
Delta R.T.: 0.000 min
Response: 226154265
Conc: 48.56 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.001 min
Response: 373981080
Conc: 49.26 ng/ml

Response_ Signal: PL097541.D\ECD1A.ch

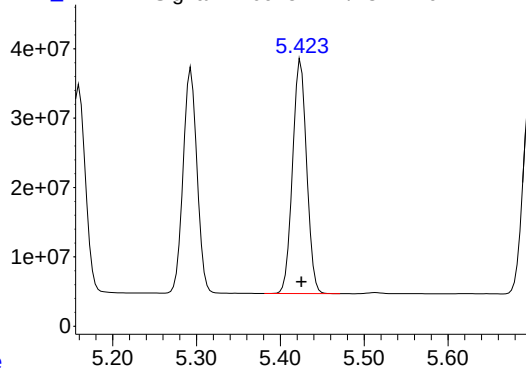


#13 Dieldrin

R.T.: 6.301 min
Delta R.T.: 0.000 min
Response: 256347423
Conc: 48.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725

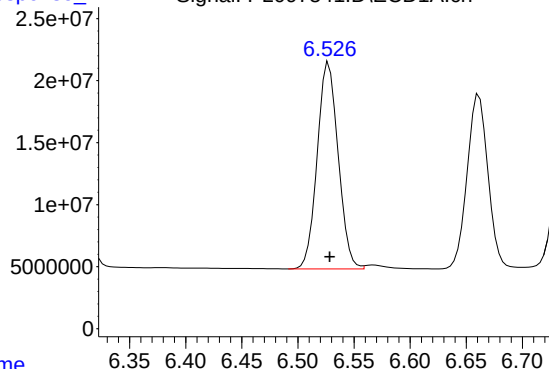
Time Response_ Signal: PL097541.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.424 min
Delta R.T.: 0.000 min
Response: 394690004
Conc: 47.74 ng/ml

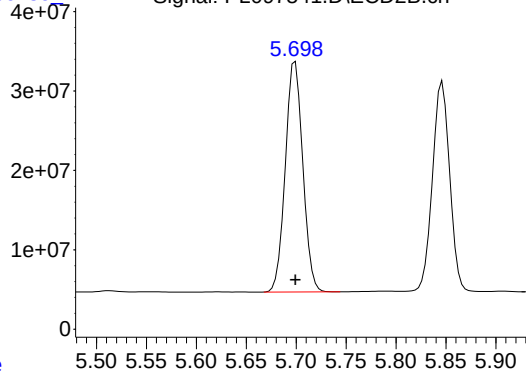
Time Response_ Signal: PL097541.D\ECD1A.ch



#14 Endrin

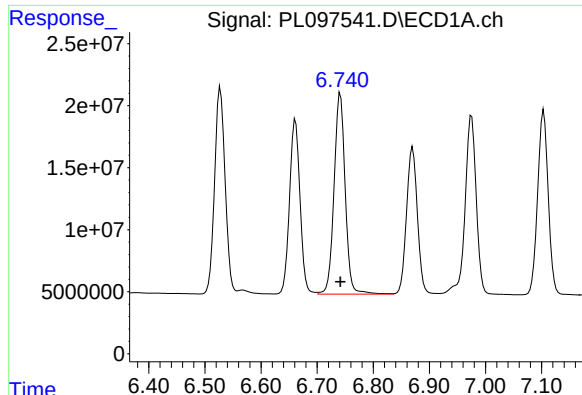
R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 216519829
Conc: 48.39 ng/ml

Time Response_ Signal: PL097541.D\ECD2B.ch



#14 Endrin

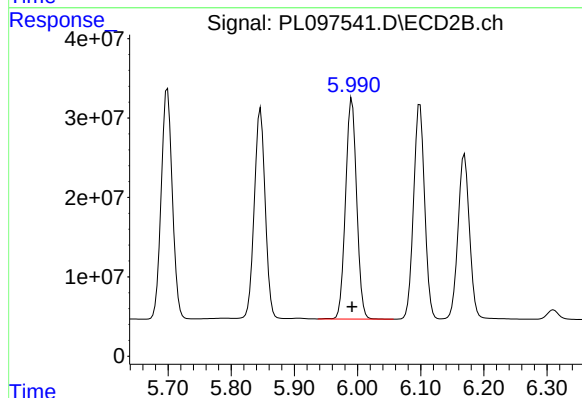
R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 354033463
Conc: 47.83 ng/ml



#15 Endosulfan II

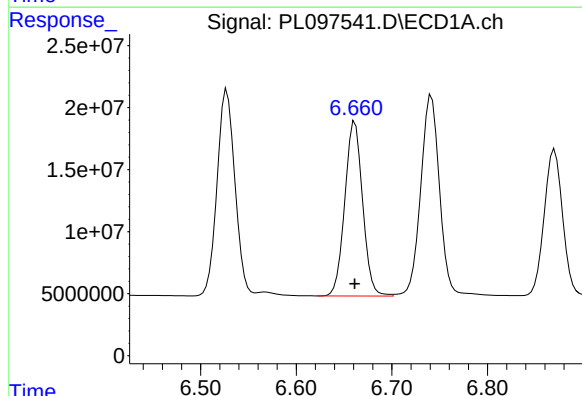
R.T.: 6.741 min
Delta R.T.: 0.000 min
Response: 224365413
Conc: 45.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725



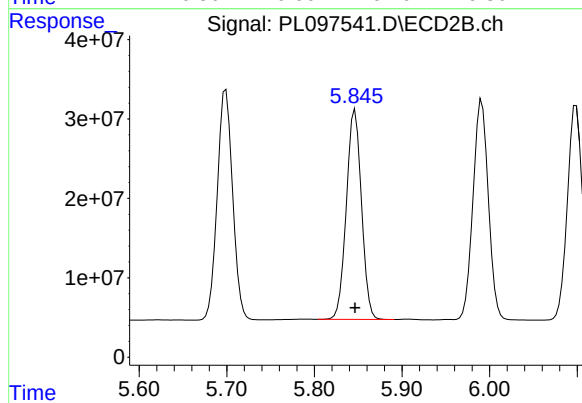
#15 Endosulfan II

R.T.: 5.991 min
Delta R.T.: 0.000 min
Response: 338985521
Conc: 49.09 ng/ml



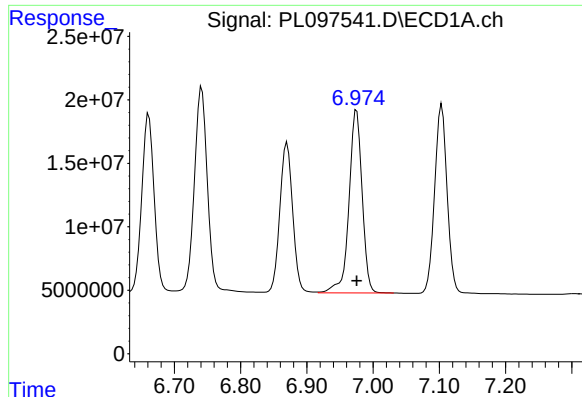
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 182920575
Conc: 48.48 ng/ml



#16 4,4'-DDD

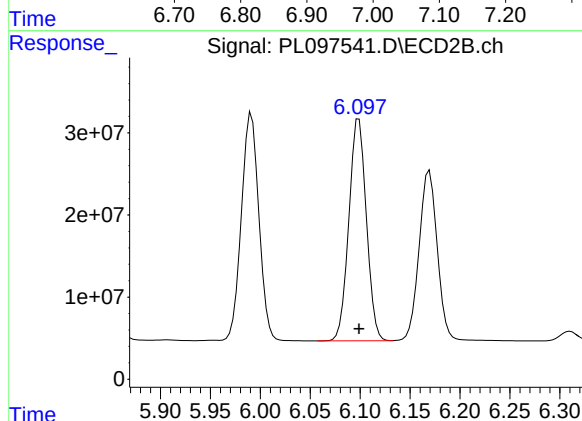
R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 317106324
Conc: 49.71 ng/ml



#17 4,4'-DDT

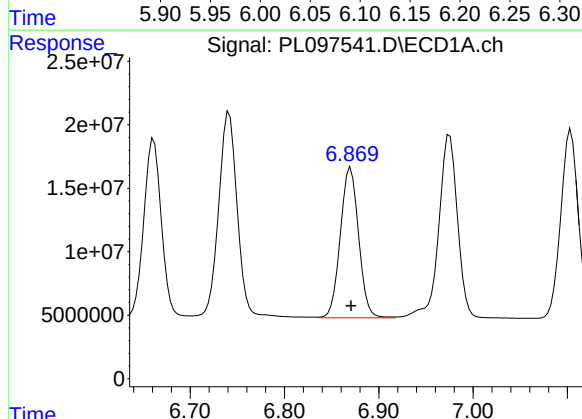
R.T.: 6.975 min
Delta R.T.: 0.000 min
Response: 198654134
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725



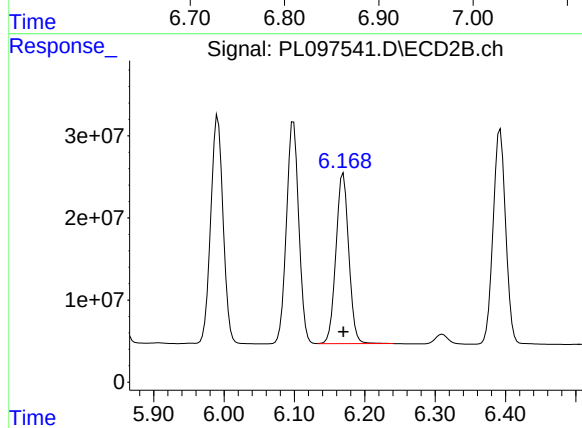
#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: 0.000 min
Response: 329830202
Conc: 49.50 ng/ml



#18 Endrin aldehyde

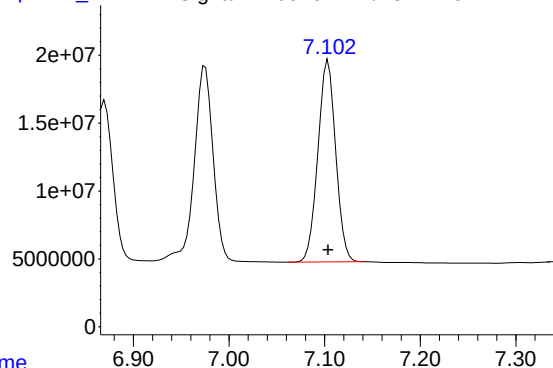
R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 159636547
Conc: 48.72 ng/ml



#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 262683506
Conc: 45.62 ng/ml

Response_ Signal: PL097541.D\ECD1A.ch

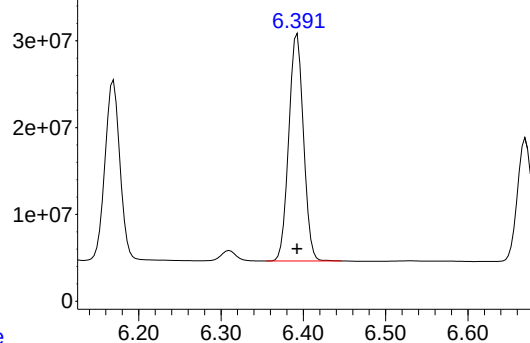


#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 192965349
Conc: 48.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725

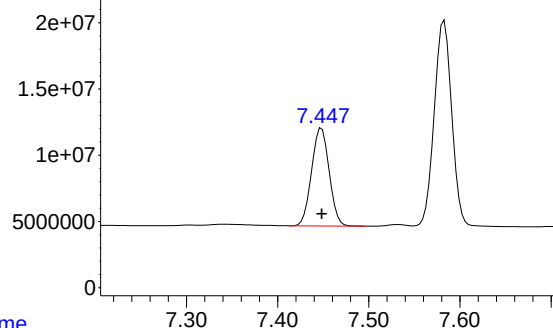
Time Response_ Signal: PL097541.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 324704517
Conc: 48.77 ng/ml

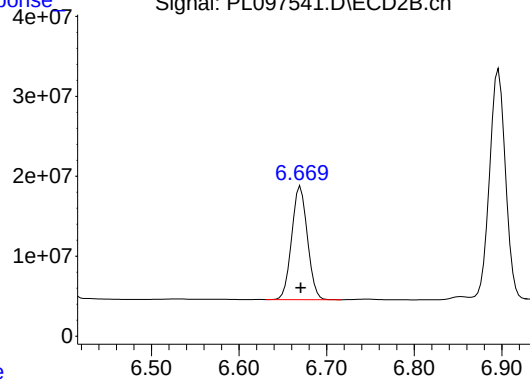
Time Response_ Signal: PL097541.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.448 min
Delta R.T.: 0.000 min
Response: 98984099
Conc: 47.38 ng/ml

Time Response_ Signal: PL097541.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 176797136
Conc: 48.50 ng/ml

Response_ Signal: PL097541.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: 0.000 min
Response: 208730161
Conc: 48.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL100725

Time

Response_ Signal: PL097541.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: 0.000 min
Response: 364248294
Conc: 46.11 ng/ml

Time

Response_ Signal: PL097541.D\ECD1A.ch

#22 Mirex

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 147362852
Conc: 47.42 ng/ml

Time

Response_ Signal: PL097541.D\ECD2B.ch

#22 Mirex

R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 256240187
Conc: 47.90 ng/ml

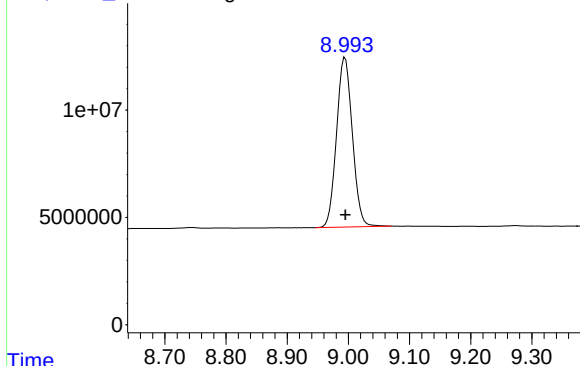
Time

Response_

Signal: PL097541.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 142061071
Conc: 47.77 ng/ml

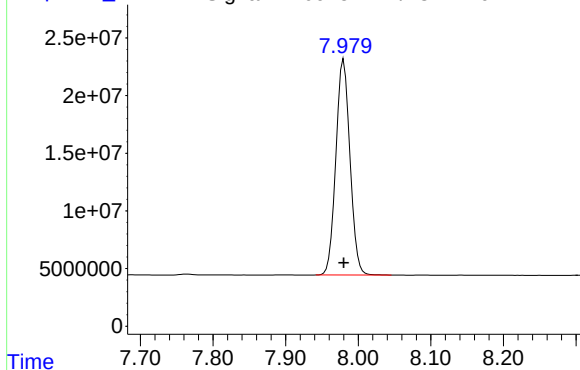
Instrument :
ECD_L
ClientSampleId :
ICVPL100725

Time

Response_

Signal: PL097541.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 252110570
Conc: 48.58 ng/ml

Time



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.: Q3321

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025 10/07/2025

Continuing Calib Time: 13:05

Initial Calibration Time(s): 10:33 11:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.52	3.53	3.43	3.63	0.01
alpha-BHC	3.97	3.97	3.87	4.07	0.00
beta-BHC	4.49	4.49	4.39	4.59	0.00
delta-BHC	4.73	4.73	4.63	4.83	0.00
gamma-BHC (Lindane)	4.30	4.30	4.20	4.40	0.00
Heptachlor	4.89	4.89	4.79	4.99	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Heptachlor epoxide	5.65	5.65	5.55	5.75	0.00
Endosulfan I	6.03	6.03	5.93	6.13	0.00
Dieldrin	6.30	6.30	6.20	6.40	0.00
4,4'-DDE	6.15	6.15	6.05	6.25	0.00
Endrin	6.53	6.53	6.43	6.63	0.00
Endosulfan II	6.74	6.74	6.64	6.84	0.00
4,4'-DDD	6.66	6.66	6.56	6.76	0.00
Endosulfan sulfate	7.11	7.10	7.00	7.20	-0.01
4,4'-DDT	6.98	6.98	6.88	7.08	0.00
Methoxychlor	7.45	7.45	7.35	7.55	0.00
Endrin ketone	7.58	7.58	7.48	7.68	0.00
Endrin aldehyde	6.87	6.87	6.77	6.97	0.00
alpha-Chlordane	5.98	5.98	5.88	6.08	0.00
gamma-Chlordane	5.90	5.90	5.80	6.00	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025 10/07/2025

Continuing Calib Time: 13:05

Initial Calibration Time(s): 10:33 11:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
alpha-BHC	3.32	3.33	3.23	3.43	0.01
beta-BHC	3.95	3.96	3.86	4.06	0.01
delta-BHC	4.18	4.19	4.09	4.29	0.01
gamma-BHC (Lindane)	3.66	3.66	3.56	3.76	0.01
Heptachlor	4.00	4.01	3.91	4.11	0.01
Aldrin	4.28	4.29	4.19	4.39	0.01
Heptachlor epoxide	4.79	4.79	4.69	4.89	0.00
Endosulfan I	5.16	5.16	5.06	5.26	0.00
Dieldrin	5.42	5.43	5.33	5.53	0.01
4,4'-DDE	5.29	5.30	5.20	5.40	0.01
Endrin	5.70	5.70	5.60	5.80	0.00
Endosulfan II	5.99	5.99	5.89	6.09	0.00
4,4'-DDD	5.84	5.85	5.75	5.95	0.01
Endosulfan sulfate	6.39	6.39	6.29	6.49	0.00
4,4'-DDT	6.10	6.10	6.00	6.20	0.00
Methoxychlor	6.67	6.67	6.57	6.77	0.00
Endrin ketone	6.90	6.90	6.80	7.00	0.01
Endrin aldehyde	6.17	6.17	6.07	6.27	0.00
alpha-Chlordane	5.10	5.11	5.01	5.21	0.01
gamma-Chlordane	5.04	5.04	4.94	5.14	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025
Client Sample No.: CCAL01 **Date Analyzed:** 10/10/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097598.D **Time Analyzed:** 13:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.661	6.561	6.761	58.690	50.000	17.4
4,4'-DDE	6.153	6.053	6.253	59.650	50.000	19.3
4,4'-DDT	6.977	6.875	7.075	51.870	50.000	3.7
Aldrin	5.229	5.129	5.329	56.650	50.000	13.3
alpha-BHC	3.970	3.872	4.072	57.770	50.000	15.5
alpha-Chlordane	5.981	5.882	6.082	56.890	50.000	13.8
beta-BHC	4.486	4.387	4.587	57.420	50.000	14.8
Decachlorobiphenyl	8.997	8.895	9.095	54.910	50.000	9.8
delta-BHC	4.732	4.632	4.832	56.840	50.000	13.7
Dieldrin	6.302	6.202	6.402	57.010	50.000	14.0
Endosulfan I	6.028	5.930	6.130	55.680	50.000	11.4
Endosulfan II	6.743	6.641	6.841	54.610	50.000	9.2
Endosulfan sulfate	7.105	7.004	7.204	54.600	50.000	9.2
Endrin	6.528	6.428	6.628	54.040	50.000	8.1
Endrin aldehyde	6.870	6.771	6.971	55.110	50.000	10.2
Endrin ketone	7.584	7.483	7.683	55.310	50.000	10.6
gamma-BHC (Lindane)	4.298	4.200	4.400	57.600	50.000	15.2
gamma-Chlordane	5.901	5.802	6.002	57.300	50.000	14.6
Heptachlor	4.889	4.790	4.990	54.790	50.000	9.6
Heptachlor epoxide	5.649	5.548	5.748	56.480	50.000	13.0
Methoxychlor	7.450	7.348	7.548	47.920	50.000	-4.2
Tetrachloro-m-xylene	3.524	3.425	3.625	57.280	50.000	14.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/10/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097598.D **Time Analyzed:** 13:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.844	5.746	5.946	53.910	50.000	7.8
4,4'-DDE	5.291	5.195	5.395	50.870	50.000	1.7
4,4'-DDT	6.096	5.999	6.199	46.510	50.000	-7.0
Aldrin	4.284	4.188	4.388	51.220	50.000	2.4
alpha-BHC	3.323	3.228	3.428	52.600	50.000	5.2
alpha-Chlordane	5.102	5.006	5.206	49.920	50.000	-0.2
beta-BHC	3.951	3.855	4.055	49.480	50.000	-1.0
Decachlorobiphenyl	7.979	7.880	8.080	45.860	50.000	-8.3
delta-BHC	4.183	4.087	4.287	51.850	50.000	3.7
Dieldrin	5.422	5.325	5.525	51.740	50.000	3.5
Endosulfan I	5.157	5.061	5.261	48.740	50.000	-2.5
Endosulfan II	5.989	5.891	6.091	50.890	50.000	1.8
Endosulfan sulfate	6.390	6.293	6.493	49.570	50.000	-0.9
Endrin	5.697	5.599	5.799	51.080	50.000	2.2
Endrin aldehyde	6.167	6.069	6.269	45.200	50.000	-9.6
Endrin ketone	6.895	6.797	6.997	50.890	50.000	1.8
gamma-BHC (Lindane)	3.655	3.559	3.759	52.160	50.000	4.3
gamma-Chlordane	5.038	4.942	5.142	48.790	50.000	-2.4
Heptachlor	4.002	3.907	4.107	49.490	50.000	-1.0
Heptachlor epoxide	4.786	4.690	4.890	50.060	50.000	0.1
Methoxychlor	6.669	6.571	6.771	44.110	50.000	-11.8
Tetrachloro-m-xylene	2.818	2.723	2.923	51.780	50.000	3.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 13:05
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/13/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:18:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.524	2.818	233.5E6	315.2E6	57.282	51.780
28)	SA Decachlor...	8.997	7.979	163.3E6	238.0E6	54.905	45.860
Target Compounds							
2)	A alpha-BHC	3.970	3.323	389.7E6	519.1E6	57.772	52.605
3)	MA gamma-BHC...	4.298	3.655	366.1E6	479.2E6	57.596	52.162
4)	MA Heptachlor	4.889	4.002	353.4E6	454.9E6	54.787	49.491
5)	MB Aldrin	5.229	4.284	340.6E6	444.2E6	56.647	51.218
6)	B beta-BHC	4.486	3.951	148.5E6	196.8E6	57.417	49.482
7)	B delta-BHC	4.732	4.183	345.2E6	468.4E6	56.844	51.853
8)	B Heptachlo...	5.649	4.786	328.8E6	395.3E6	56.481	50.056
9)	A Endosulfan I	6.028	5.157	276.8E6	359.4E6	55.680m	48.736
10)	B gamma-Chl...	5.901	5.038	311.0E6	424.2E6	57.298m	48.794
11)	B alpha-Chl...	5.981	5.102	308.7E6	415.7E6	56.885m	49.920
12)	B 4,4'-DDE	6.153	5.291	277.8E6	386.3E6	59.650	50.875
13)	MA Dieldrin	6.302	5.422	299.9E6	427.8E6	57.010	51.741
14)	MA Endrin	6.528	5.697	241.8E6	378.1E6	54.038	51.078
15)	B Endosulfa...	6.743	5.989	267.2E6	351.4E6	54.614	50.890
16)	A 4,4'-DDD	6.661	5.844	221.5E6	343.9E6	58.692m	53.909
17)	MA 4,4'-DDT	6.977	6.096	210.3E6	309.9E6	51.867	46.509
18)	B Endrin al...	6.870	6.167	180.6E6	260.3E6	55.113m	45.205
19)	B Endosulfa...	7.105	6.390	218.9E6	330.0E6	54.596	49.573
20)	A Methoxychlor	7.450	6.669	100.1E6	160.8E6	47.924	44.113
21)	B Endrin ke...	7.584	6.895	236.8E6	402.0E6	55.311	50.886
22)	Mirex	8.062	7.084	159.4E6	251.8E6	51.303	47.066

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:05
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

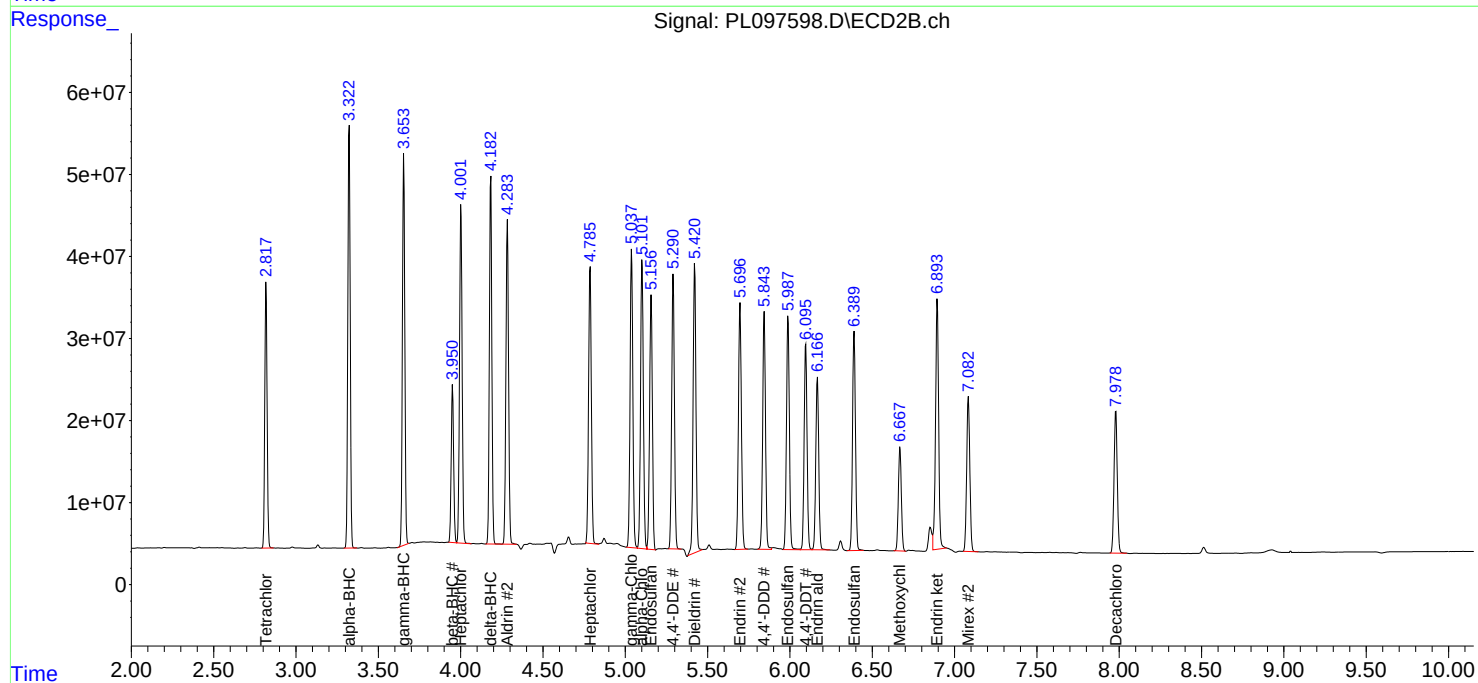
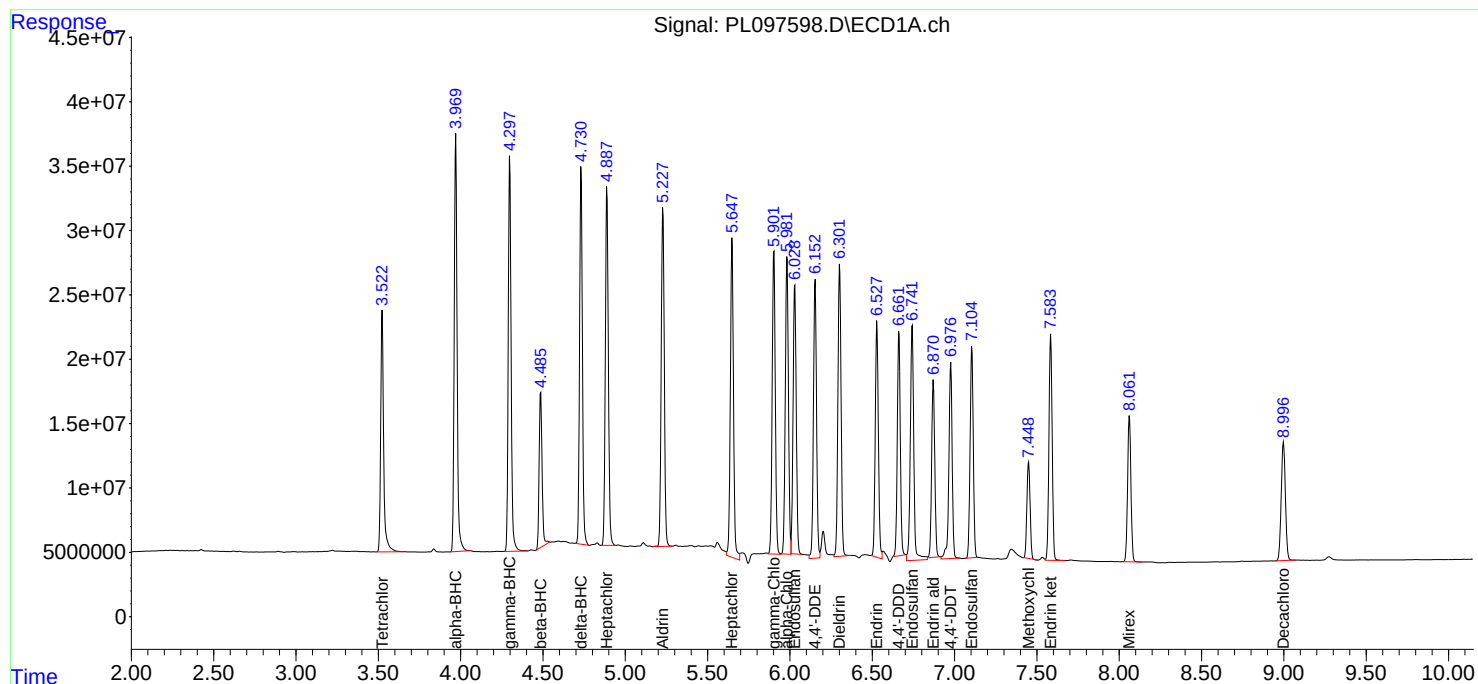
APPROVED

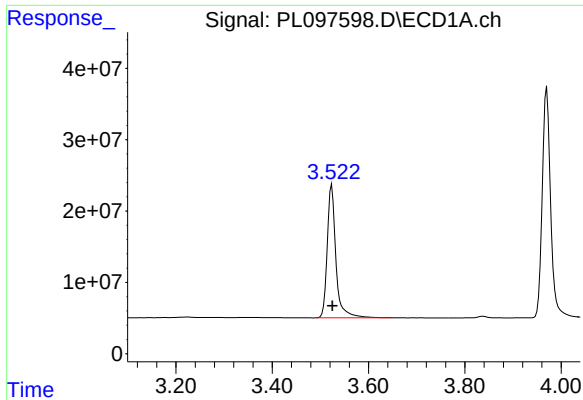
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:18:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: -0.001 min
Response: 233522611
Conc: 57.28 ng/ml

Instrument :

ECD_L

ClientSampleId :

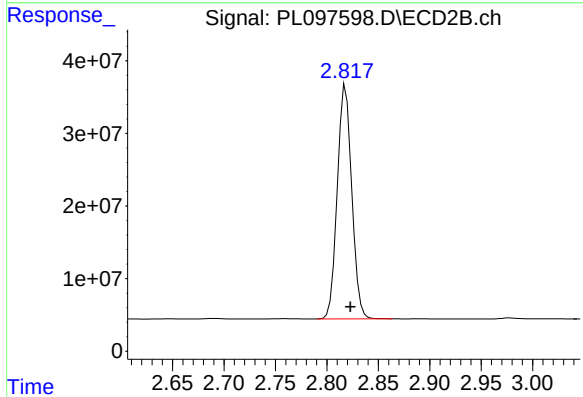
PSTDCCC050

Manual Integrations

APPROVED

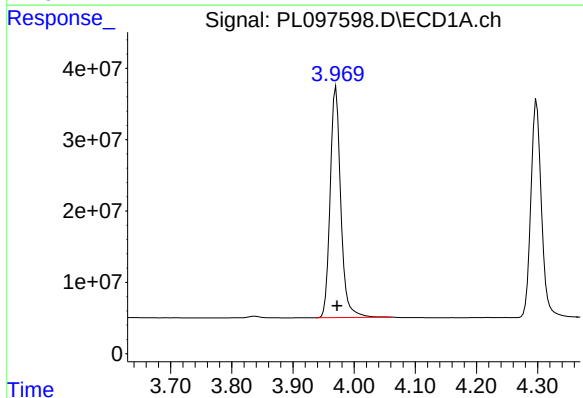
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025



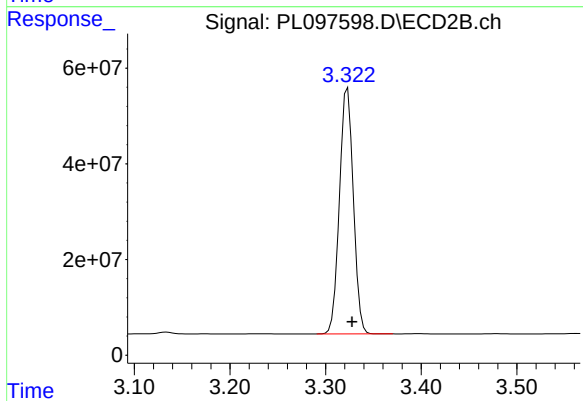
#1 Tetrachloro-m-xylene

R.T.: 2.818 min
Delta R.T.: -0.005 min
Response: 315156549
Conc: 51.78 ng/ml



#2 alpha-BHC

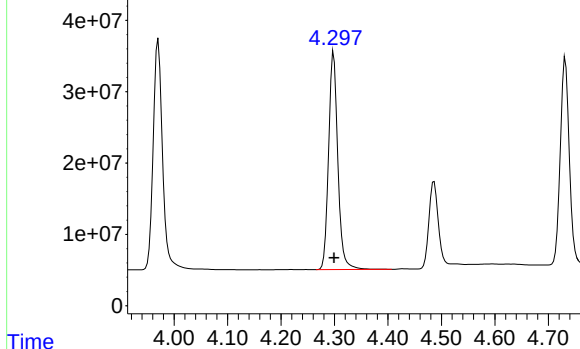
R.T.: 3.970 min
Delta R.T.: -0.002 min
Response: 389714505
Conc: 57.77 ng/ml



#2 alpha-BHC

R.T.: 3.323 min
Delta R.T.: -0.005 min
Response: 519050869
Conc: 52.60 ng/ml

Response_ Signal: PL097598.D\ECD1A.ch



#3 gamma-BHC (Lindane)

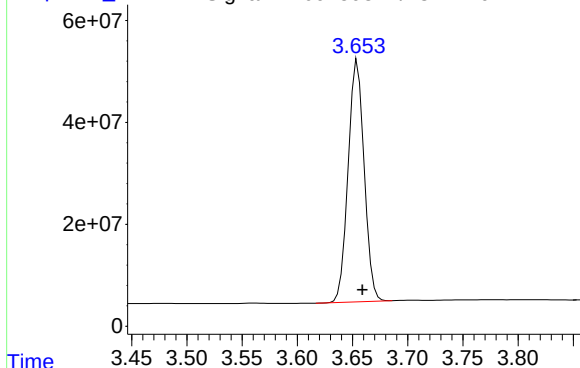
R.T.: 4.298 min
Delta R.T.: -0.001 min
Response: 366098360
Conc: 57.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

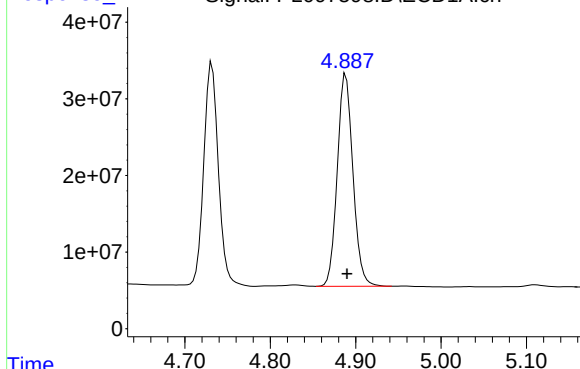
Time Response_ Signal: PL097598.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.655 min
Delta R.T.: -0.005 min
Response: 479222313
Conc: 52.16 ng/ml

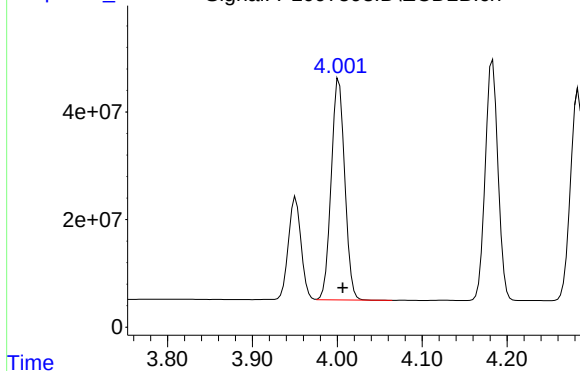
Time Response_ Signal: PL097598.D\ECD1A.ch



#4 Heptachlor

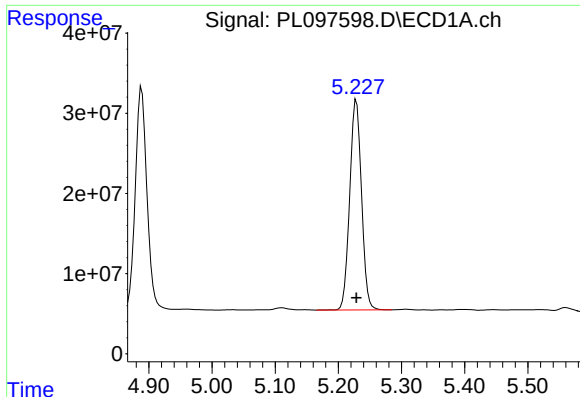
R.T.: 4.889 min
Delta R.T.: -0.001 min
Response: 353416265
Conc: 54.79 ng/ml

Time Response_ Signal: PL097598.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.002 min
Delta R.T.: -0.004 min
Response: 454930913
Conc: 49.49 ng/ml



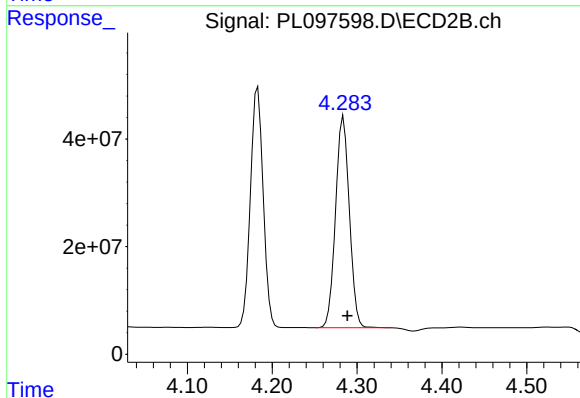
#5 Aldrin

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 340600258
Conc: 56.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

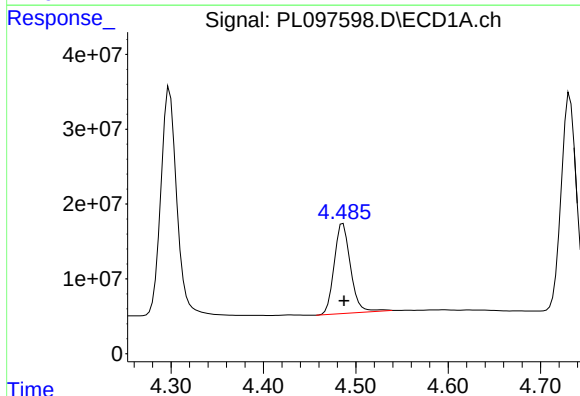
Manual Integrations
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Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



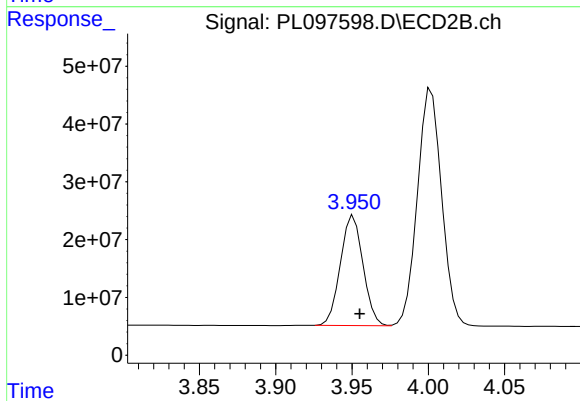
#5 Aldrin

R.T.: 4.284 min
Delta R.T.: -0.004 min
Response: 444151006
Conc: 51.22 ng/ml



#6 beta-BHC

R.T.: 4.486 min
Delta R.T.: -0.001 min
Response: 148451333
Conc: 57.42 ng/ml

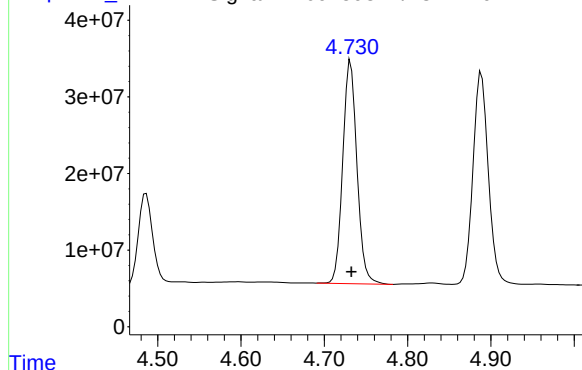


#6 beta-BHC

R.T.: 3.951 min
Delta R.T.: -0.004 min
Response: 196845666
Conc: 49.48 ng/ml

Response_ Signal: PL097598.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 345191737
Conc: 56.84 ng/ml

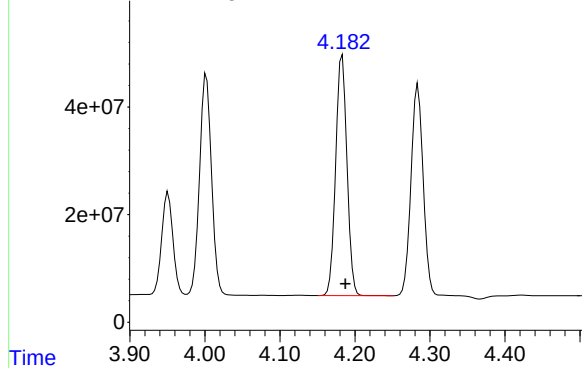
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

Time Response_ Signal: PL097598.D\ECD2B.ch

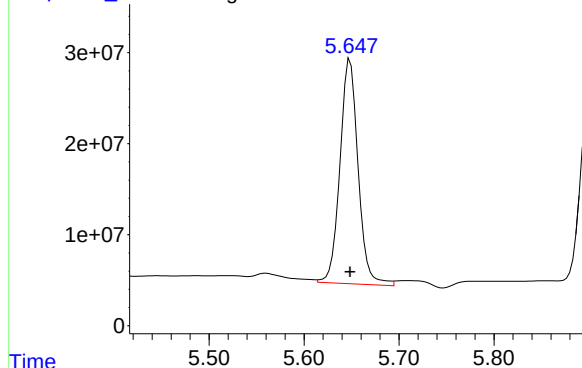
#7 delta-BHC



R.T.: 4.183 min
Delta R.T.: -0.004 min
Response: 468437540
Conc: 51.85 ng/ml

Time Response_ Signal: PL097598.D\ECD1A.ch

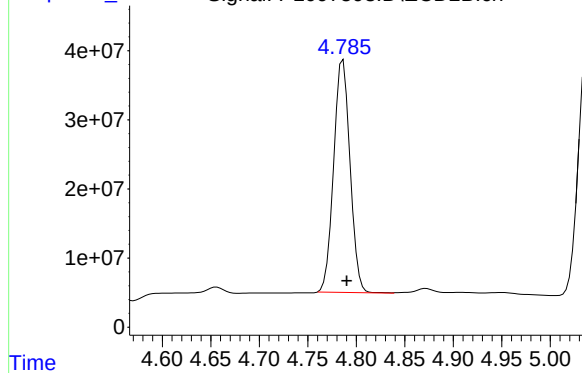
#8 Heptachlor epoxide



R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 328848412
Conc: 56.48 ng/ml

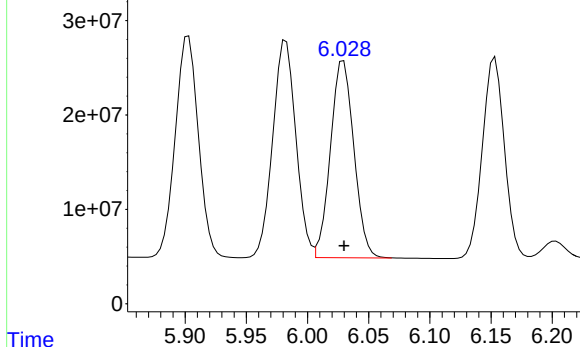
Time Response_ Signal: PL097598.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.786 min
Delta R.T.: -0.004 min
Response: 395342079
Conc: 50.06 ng/ml

Response_ Signal: PL097598.D\ECD1A.ch



#9 Endosulfan I

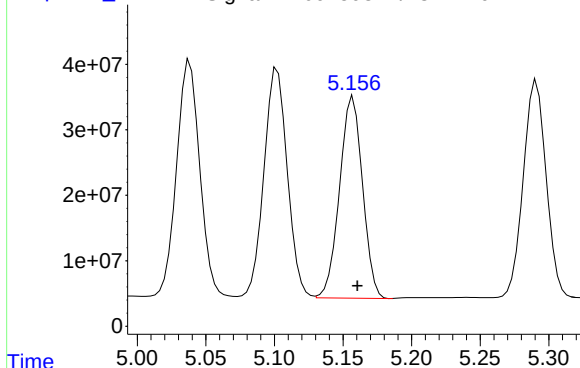
R.T.: 6.028 min
Delta R.T.: -0.002 min
Response: 276806947
Conc: 55.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

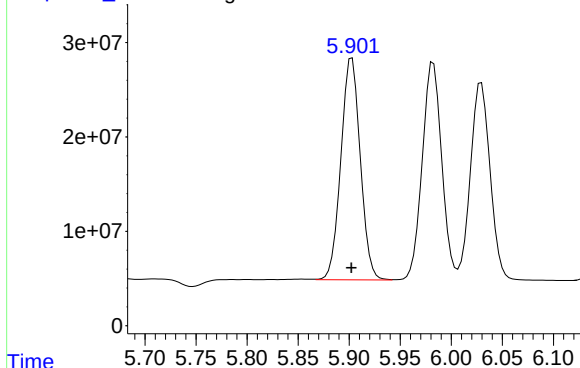
Time Response_ Signal: PL097598.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.157 min
Delta R.T.: -0.003 min
Response: 359393160
Conc: 48.74 ng/ml

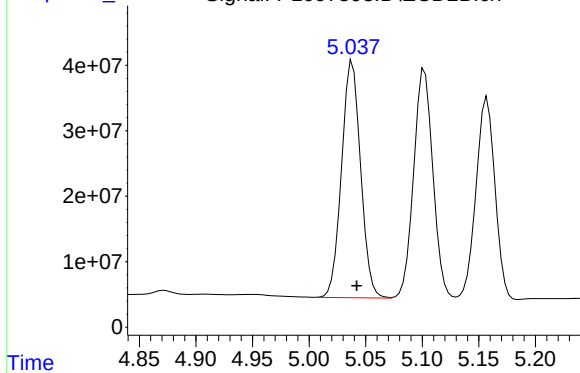
Time Response_ Signal: PL097598.D\ECD1A.ch



#10 gamma-Chlordane

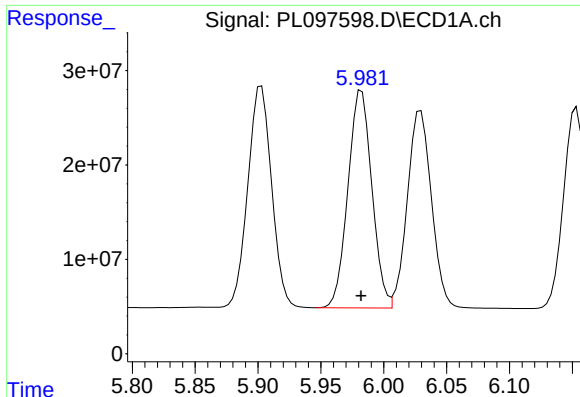
R.T.: 5.901 min
Delta R.T.: 0.000 min
Response: 310982922
Conc: 57.30 ng/ml m

Time Response_ Signal: PL097598.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.038 min
Delta R.T.: -0.004 min
Response: 424172824
Conc: 48.79 ng/ml



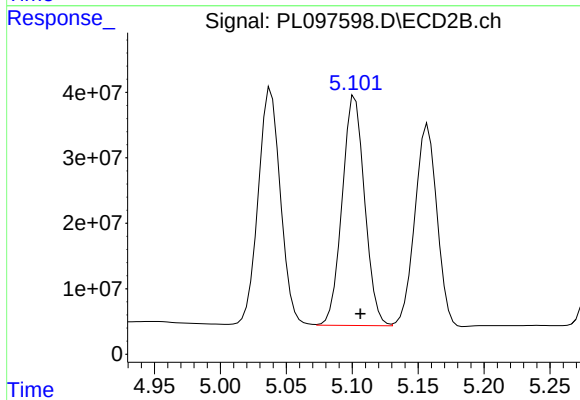
#11 alpha-Chlordane

R.T.: 5.981 min
Delta R.T.: 0.000 min
Response: 308686575
Conc: 56.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

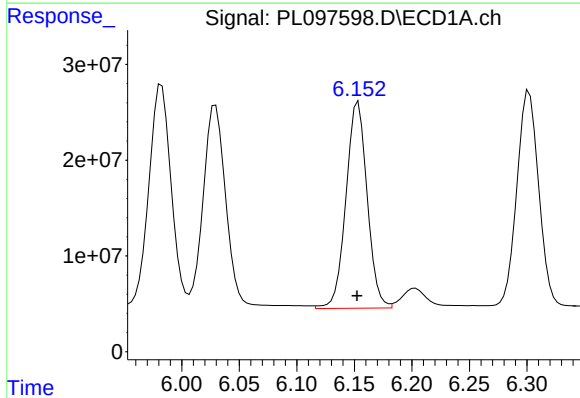
Manual Integrations
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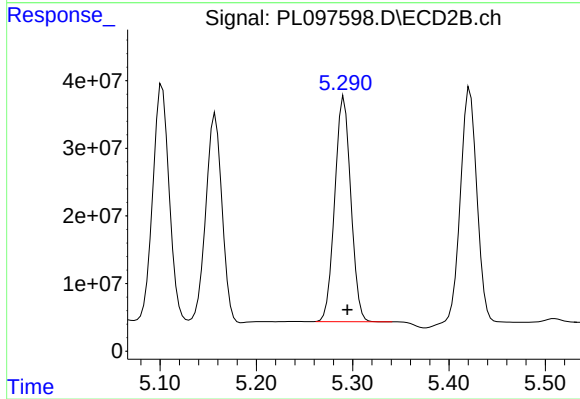
#11 alpha-Chlordane

R.T.: 5.102 min
Delta R.T.: -0.004 min
Response: 415694074
Conc: 49.92 ng/ml



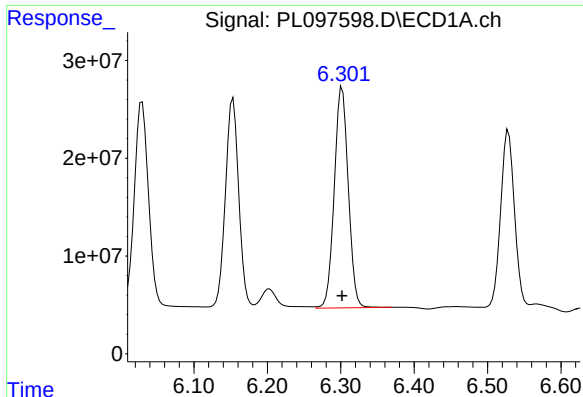
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 277799677
Conc: 59.65 ng/ml



#12 4,4'-DDE

R.T.: 5.291 min
Delta R.T.: -0.003 min
Response: 386264097
Conc: 50.87 ng/ml



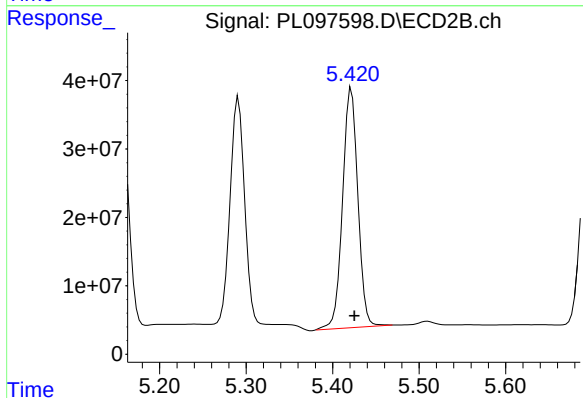
#13 Dieldrin

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 299901392
Conc: 57.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

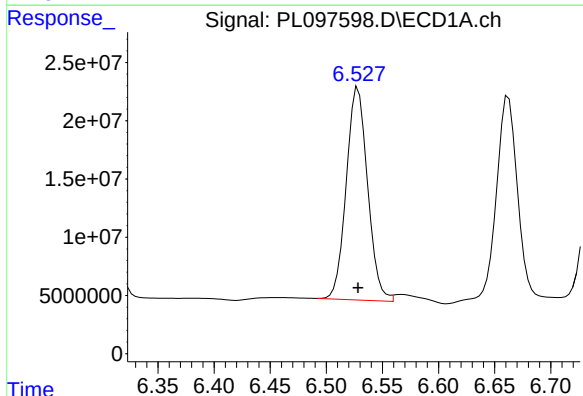
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/16/2025



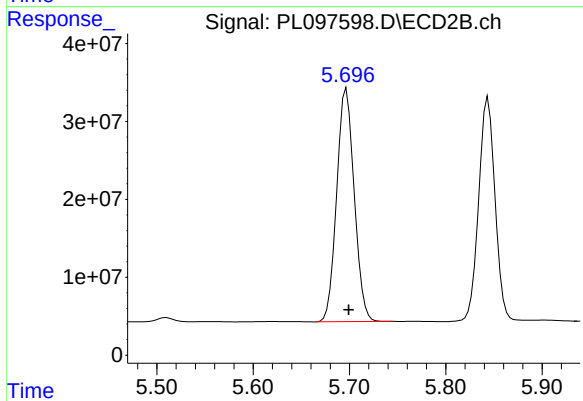
#13 Dieldrin

R.T.: 5.422 min
Delta R.T.: -0.003 min
Response: 427812650
Conc: 51.74 ng/ml



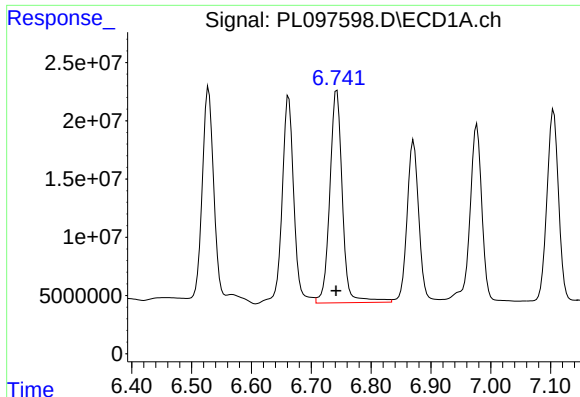
#14 Endrin

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 241782731
Conc: 54.04 ng/ml



#14 Endrin

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 378052447
Conc: 51.08 ng/ml



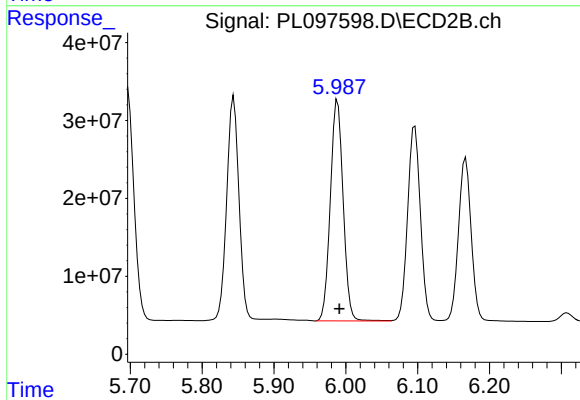
#15 Endosulfan II

R.T.: 6.743 min
Delta R.T.: 0.001 min
Response: 267178474
Conc: 54.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

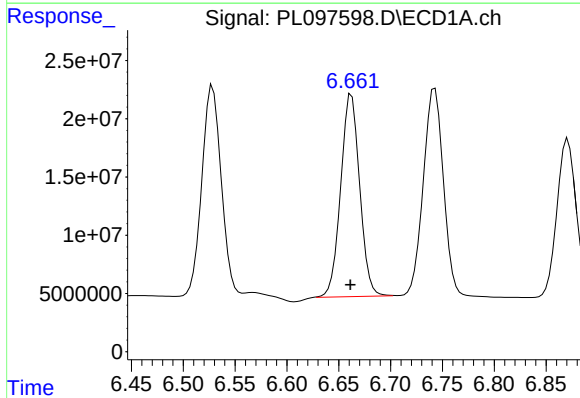
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/16/2025



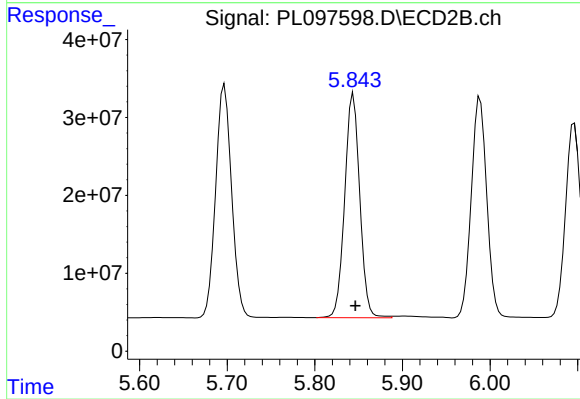
#15 Endosulfan II

R.T.: 5.989 min
Delta R.T.: -0.003 min
Response: 351392688
Conc: 50.89 ng/ml



#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 221474451
Conc: 58.69 ng/ml m

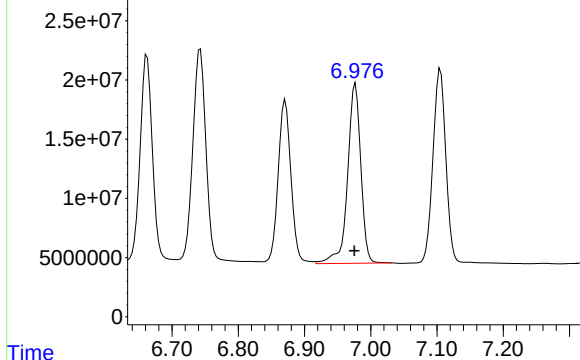


#16 4,4'-DDD

R.T.: 5.844 min
Delta R.T.: -0.002 min
Response: 343879833
Conc: 53.91 ng/ml

Response_ Signal: PL097598.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 6.977 min
Delta R.T.: 0.002 min
Response: 210304197
Conc: 51.87 ng/ml

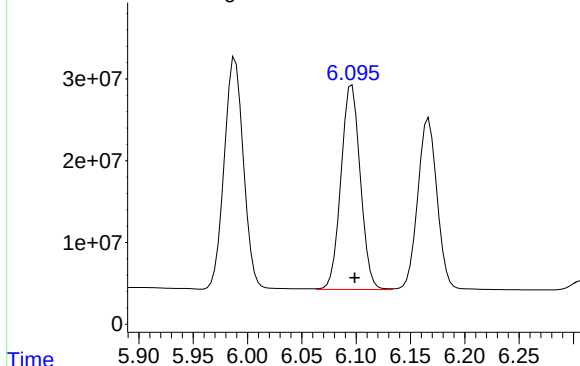
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 10/16/2025

Time Response_ Signal: PL097598.D\ECD2B.ch

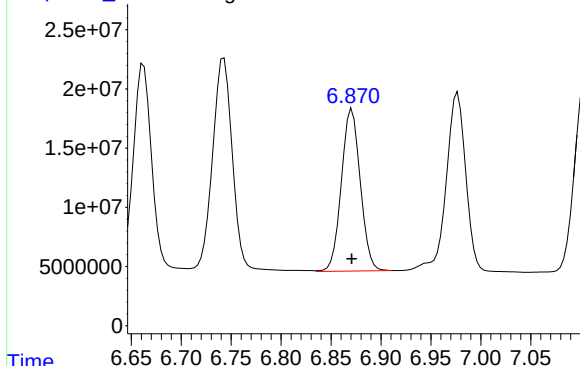
#17 4,4'-DDT



R.T.: 6.096 min
Delta R.T.: -0.003 min
Response: 309907821
Conc: 46.51 ng/ml

Time Response_ Signal: PL097598.D\ECD1A.ch

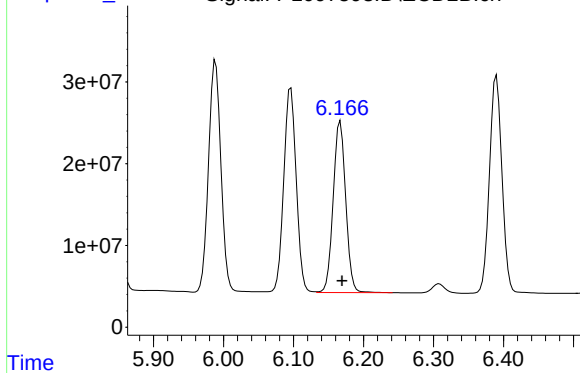
#18 Endrin aldehyde



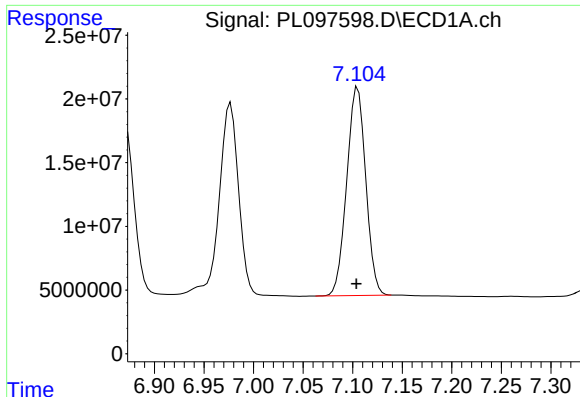
R.T.: 6.870 min
Delta R.T.: -0.001 min
Response: 180589301
Conc: 55.11 ng/ml m

Time Response_ Signal: PL097598.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.167 min
Delta R.T.: -0.003 min
Response: 260310244
Conc: 45.20 ng/ml



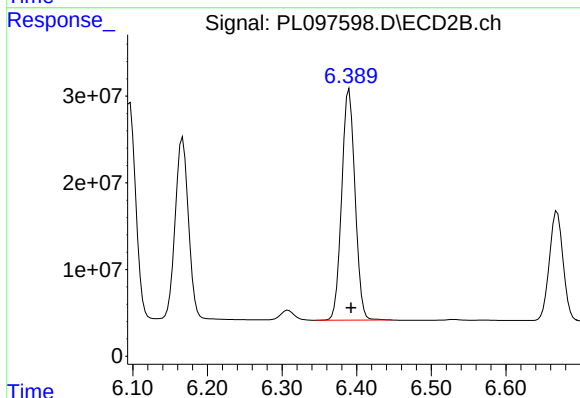
#19 Endosulfan Sulfate

R.T.: 7.105 min
Delta R.T.: 0.001 min
Response: 218923022
Conc: 54.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

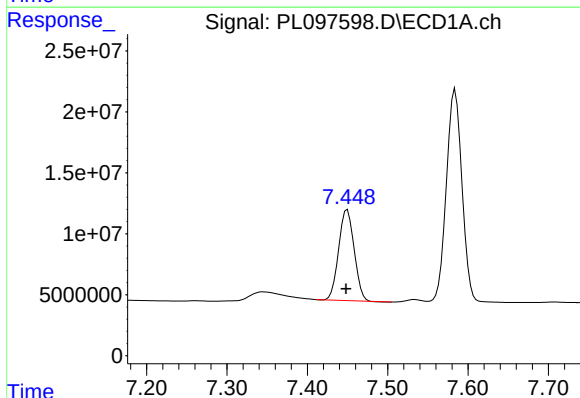
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



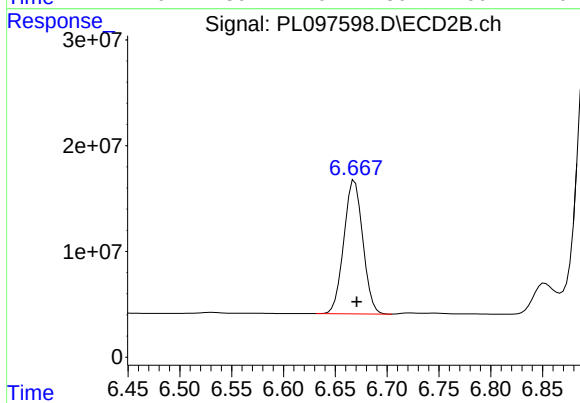
#19 Endosulfan Sulfate

R.T.: 6.390 min
Delta R.T.: -0.003 min
Response: 330046731
Conc: 49.57 ng/ml



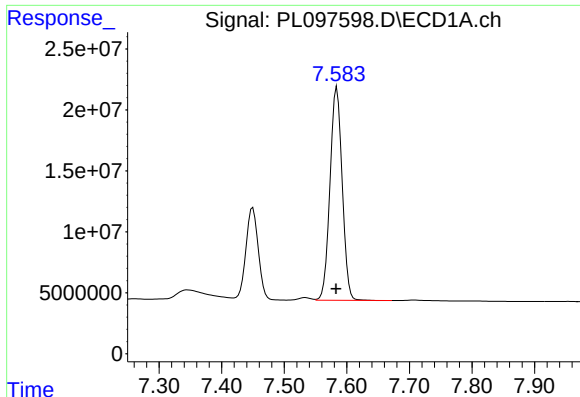
#20 Methoxychlor

R.T.: 7.450 min
Delta R.T.: 0.002 min
Response: 100112440
Conc: 47.92 ng/ml



#20 Methoxychlor

R.T.: 6.669 min
Delta R.T.: -0.002 min
Response: 160800961
Conc: 44.11 ng/ml



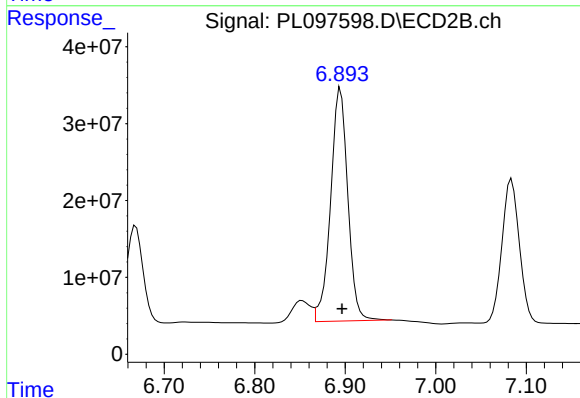
#21 Endrin ketone

R.T.: 7.584 min
Delta R.T.: 0.000 min
Response: 236828040
Conc: 55.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

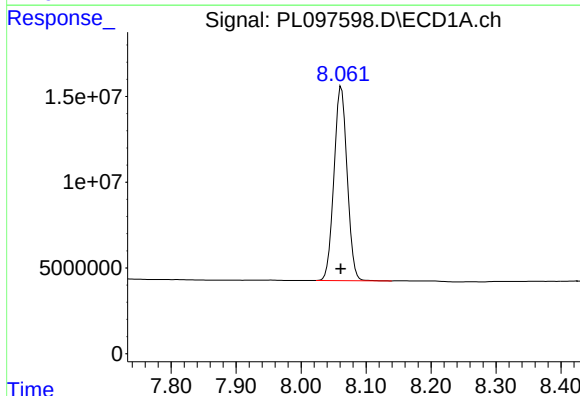
Manual Integrations
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Supervised By :mohammad ahmed 10/16/2025



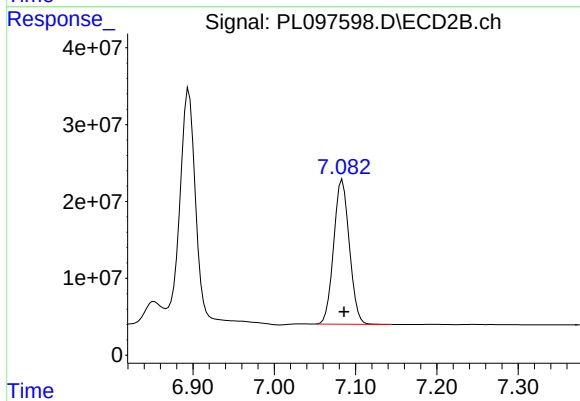
#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.002 min
Response: 401995276
Conc: 50.89 ng/ml



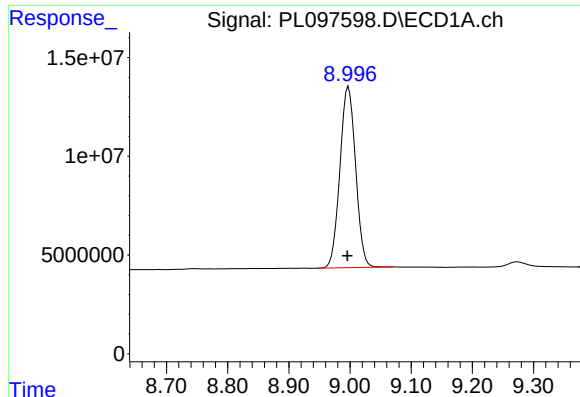
#22 Mirex

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 159422093
Conc: 51.30 ng/ml



#22 Mirex

R.T.: 7.084 min
Delta R.T.: -0.002 min
Response: 251798302
Conc: 47.07 ng/ml



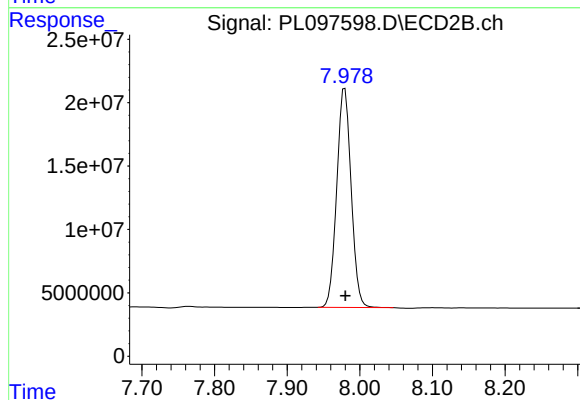
#28 Decachlorobiphenyl

R.T.: 8.997 min
Delta R.T.: 0.002 min
Response: 163268901
Conc: 54.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 237971377
Conc: 45.86 ng/ml

CALIBRATION VERIFICATION SUMMARY

 Lab Name: Alliance

 Contract: ROYF02

 Lab Code: ACE

 SDG NO.: Q3321

 Continuing Calib Date: 10/10/2025

 Initial Calibration Date(s): 10/07/2025 10/07/2025

 Continuing Calib Time: 17:20

 Initial Calibration Time(s): 10:33 11:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.99	9.00	8.90	9.10	0.01
Tetrachloro-m-xylene	3.52	3.53	3.43	3.63	0.01
alpha-BHC	3.97	3.97	3.87	4.07	0.00
beta-BHC	4.49	4.49	4.39	4.59	0.00
delta-BHC	4.73	4.73	4.63	4.83	0.00
gamma-BHC (Lindane)	4.30	4.30	4.20	4.40	0.00
Heptachlor	4.89	4.89	4.79	4.99	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Heptachlor epoxide	5.65	5.65	5.55	5.75	0.00
Endosulfan I	6.03	6.03	5.93	6.13	0.00
Dieldrin	6.30	6.30	6.20	6.40	0.00
4,4'-DDE	6.15	6.15	6.05	6.25	0.00
Endrin	6.53	6.53	6.43	6.63	0.00
Endosulfan II	6.74	6.74	6.64	6.84	0.00
4,4'-DDD	6.66	6.66	6.56	6.76	0.00
Endosulfan sulfate	7.10	7.10	7.00	7.20	0.00
4,4'-DDT	6.97	6.98	6.88	7.08	0.01
Methoxychlor	7.45	7.45	7.35	7.55	0.00
Endrin ketone	7.58	7.58	7.48	7.68	0.00
Endrin aldehyde	6.87	6.87	6.77	6.97	0.00
alpha-Chlordane	5.98	5.98	5.88	6.08	0.00
gamma-Chlordane	5.90	5.90	5.80	6.00	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 17:20

Initial Calibration Time(s): 10:33

11:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.95	3.96	3.86	4.06	0.01
delta-BHC	4.19	4.19	4.09	4.29	0.00
gamma-BHC (Lindane)	3.66	3.66	3.56	3.76	0.00
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.29	4.19	4.39	0.00
Heptachlor epoxide	4.79	4.79	4.69	4.89	0.00
Endosulfan I	5.16	5.16	5.06	5.26	0.00
Dieldrin	5.42	5.43	5.33	5.53	0.01
4,4'-DDE	5.29	5.30	5.20	5.40	0.01
Endrin	5.70	5.70	5.60	5.80	0.00
Endosulfan II	5.99	5.99	5.89	6.09	0.00
4,4'-DDD	5.85	5.85	5.75	5.95	0.01
Endosulfan sulfate	6.39	6.39	6.29	6.49	0.00
4,4'-DDT	6.10	6.10	6.00	6.20	0.00
Methoxychlor	6.67	6.67	6.57	6.77	0.00
Endrin ketone	6.90	6.90	6.80	7.00	0.01
Endrin aldehyde	6.17	6.17	6.07	6.27	0.00
alpha-Chlordane	5.11	5.11	5.01	5.21	0.00
gamma-Chlordane	5.04	5.04	4.94	5.14	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/10/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097610.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.658	6.561	6.761	57.660	50.000	15.3
4,4'-DDE	6.152	6.053	6.253	55.800	50.000	11.6
4,4'-DDT	6.974	6.875	7.075	49.600	50.000	-0.8
Aldrin	5.227	5.129	5.329	55.100	50.000	10.2
alpha-BHC	3.971	3.872	4.072	56.500	50.000	13.0
alpha-Chlordane	5.981	5.882	6.082	55.870	50.000	11.7
beta-BHC	4.486	4.387	4.587	57.220	50.000	14.4
Decachlorobiphenyl	8.993	8.895	9.095	53.740	50.000	7.5
delta-BHC	4.731	4.632	4.832	56.350	50.000	12.7
Dieldrin	6.300	6.202	6.402	54.460	50.000	8.9
Endosulfan I	6.028	5.930	6.130	55.290	50.000	10.6
Endosulfan II	6.738	6.641	6.841	48.640	50.000	-2.7
Endosulfan sulfate	7.102	7.004	7.204	53.060	50.000	6.1
Endrin	6.526	6.428	6.628	53.160	50.000	6.3
Endrin aldehyde	6.869	6.771	6.971	56.440	50.000	12.9
Endrin ketone	7.581	7.483	7.683	54.110	50.000	8.2
gamma-BHC (Lindane)	4.298	4.200	4.400	56.350	50.000	12.7
gamma-Chlordane	5.899	5.802	6.002	54.440	50.000	8.9
Heptachlor	4.889	4.790	4.990	52.670	50.000	5.3
Heptachlor epoxide	5.646	5.548	5.748	51.040	50.000	2.1
Methoxychlor	7.447	7.348	7.548	46.340	50.000	-7.3
Tetrachloro-m-xylene	3.524	3.425	3.625	56.490	50.000	13.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/10/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097610.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.845	5.746	5.946	53.260	50.000	6.5
4,4'-DDE	5.293	5.195	5.395	50.590	50.000	1.2
4,4'-DDT	6.098	5.999	6.199	44.110	50.000	-11.8
Aldrin	4.287	4.188	4.388	52.020	50.000	4.0
alpha-BHC	3.326	3.228	3.428	53.340	50.000	6.7
alpha-Chlordane	5.105	5.006	5.206	50.610	50.000	1.2
beta-BHC	3.954	3.855	4.055	50.650	50.000	1.3
Decachlorobiphenyl	7.978	7.880	8.080	44.110	50.000	-11.8
delta-BHC	4.187	4.087	4.287	52.710	50.000	5.4
Dieldrin	5.423	5.325	5.525	51.960	50.000	3.9
Endosulfan I	5.159	5.061	5.261	49.010	50.000	-2.0
Endosulfan II	5.990	5.891	6.091	49.870	50.000	-0.3
Endosulfan sulfate	6.391	6.293	6.493	48.820	50.000	-2.4
Endrin	5.699	5.599	5.799	51.790	50.000	3.6
Endrin aldehyde	6.168	6.069	6.269	44.840	50.000	-10.3
Endrin ketone	6.895	6.797	6.997	47.470	50.000	-5.1
gamma-BHC (Lindane)	3.658	3.559	3.759	52.610	50.000	5.2
gamma-Chlordane	5.041	4.942	5.142	50.490	50.000	1.0
Heptachlor	4.005	3.907	4.107	49.840	50.000	-0.3
Heptachlor epoxide	4.789	4.690	4.890	50.600	50.000	1.2
Methoxychlor	6.669	6.571	6.771	42.860	50.000	-14.3
Tetrachloro-m-xylene	2.822	2.723	2.923	52.170	50.000	4.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097610.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 17:20
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:21:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.524	2.822	230.3E6	317.6E6	56.492	52.174
28)	SA Decachlor...	8.993	7.978	159.8E6	228.9E6	53.737	44.106
Target Compounds							
2)	A alpha-BHC	3.971	3.326	381.1E6	526.3E6	56.500	53.340
3)	MA gamma-BHC...	4.298	3.658	358.2E6	483.4E6	56.348	52.614
4)	MA Heptachlor	4.889	4.005	339.7E6	458.1E6	52.666	49.838
5)	MB Aldrin	5.227	4.287	331.3E6	451.1E6	55.100	52.018
6)	B beta-BHC	4.486	3.954	147.9E6	201.5E6	57.217	50.653
7)	B delta-BHC	4.731	4.187	342.2E6	476.2E6	56.354	52.713
8)	B Heptachlo...	5.646	4.789	297.2E6	399.7E6	51.041m	50.603
9)	A Endosulfan I	6.028	5.159	274.9E6	361.5E6	55.294	49.015
10)	B gamma-Chl...	5.899	5.041	295.4E6	438.9E6	54.435m	50.493
11)	B alpha-Chl...	5.981	5.105	303.2E6	421.4E6	55.870	50.606
12)	B 4,4'-DDE	6.152	5.293	259.9E6	384.1E6	55.797	50.593
13)	MA Dieldrin	6.300	5.423	286.5E6	429.6E6	54.456	51.962
14)	MA Endrin	6.526	5.699	237.9E6	383.3E6	53.164	51.792
15)	B Endosulfa...	6.738	5.990	237.9E6	344.3E6	48.638m	49.866
16)	A 4,4'-DDD	6.658	5.845	217.6E6	339.7E6	57.661m	53.255
17)	MA 4,4'-DDT	6.974	6.098	201.1E6	293.9E6	49.600	44.105
18)	B Endrin al...	6.869	6.168	184.9E6	258.2E6	56.439	44.843
19)	B Endosulfa...	7.102	6.391	212.8E6	325.0E6	53.065	48.821
20)	A Methoxychlor	7.447	6.669	96811752	156.2E6	46.344	42.864
21)	B Endrin ke...	7.581	6.895	231.7E6	375.0E6	54.113	47.468
22)	Mirex	8.059	7.084	151.6E6	243.5E6	48.786	45.508

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:20
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

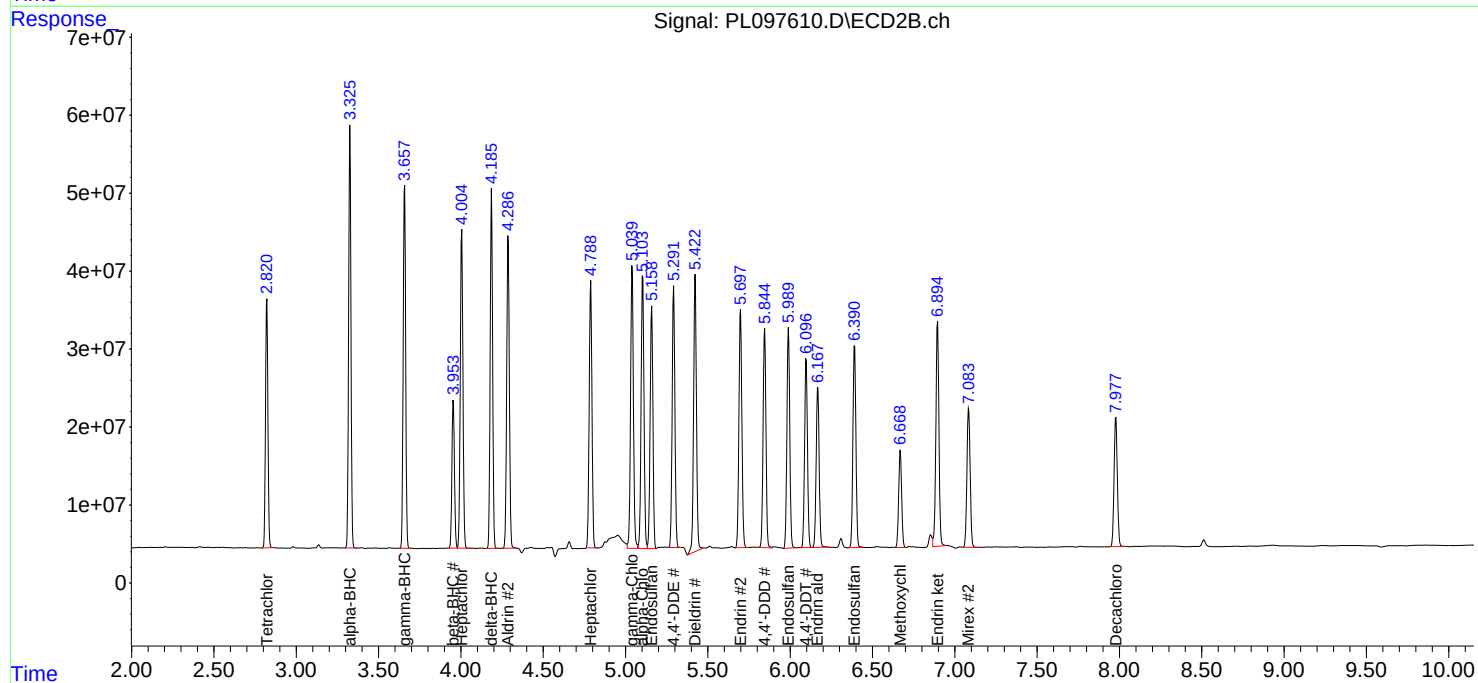
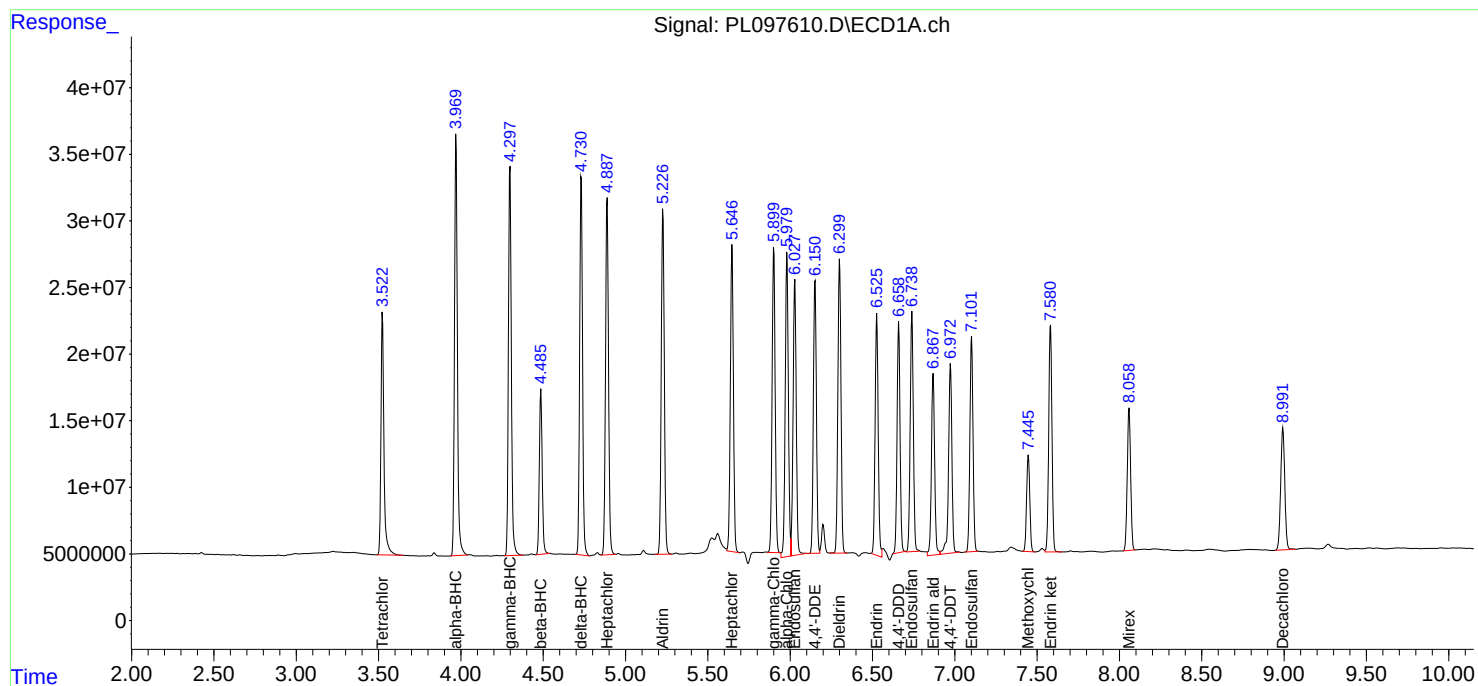
APPROVED

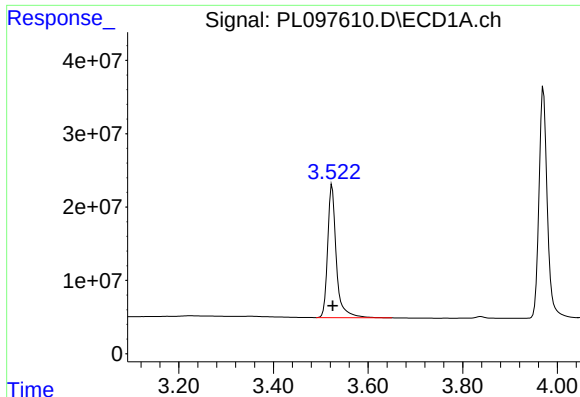
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:21:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: -0.001 min
Response: 230303162
Conc: 56.49 ng/ml

Instrument :

ECD_L

ClientSampleId :

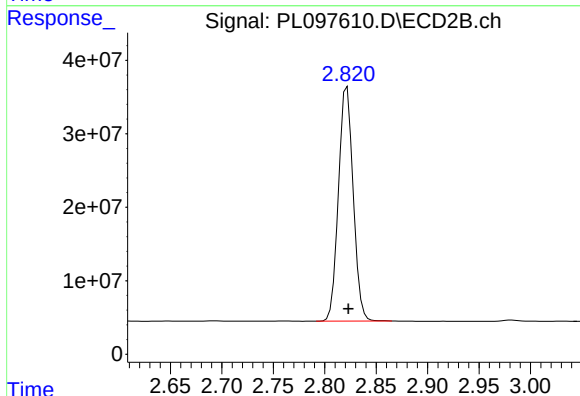
PSTDCCC050

Manual Integrations

APPROVED

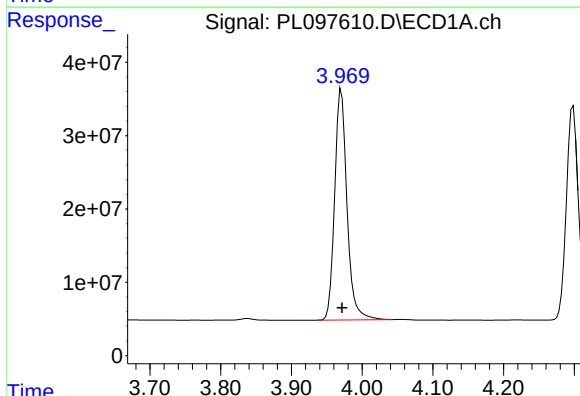
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025



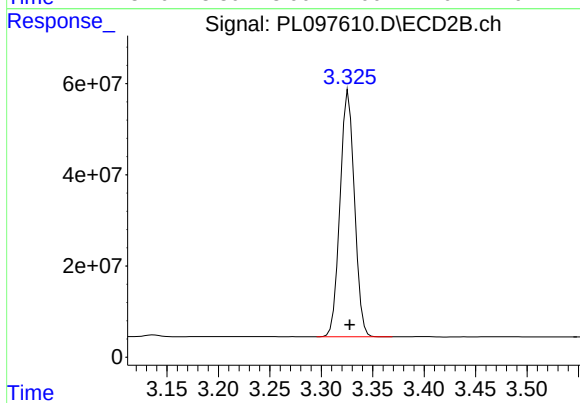
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 317551044
Conc: 52.17 ng/ml



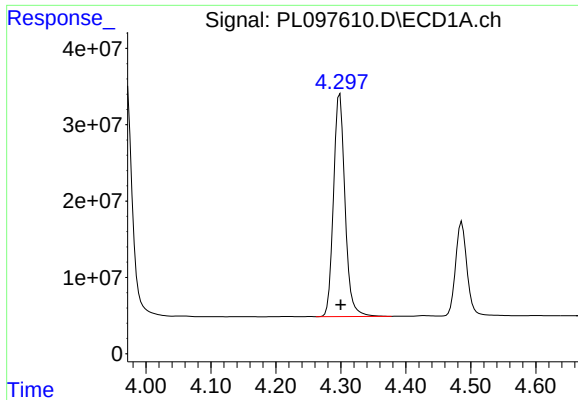
#2 alpha-BHC

R.T.: 3.971 min
Delta R.T.: -0.001 min
Response: 381127409
Conc: 56.50 ng/ml



#2 alpha-BHC

R.T.: 3.326 min
Delta R.T.: -0.001 min
Response: 526305224
Conc: 53.34 ng/ml



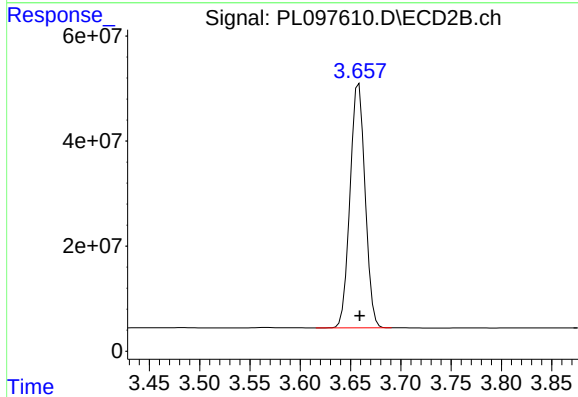
#3 gamma-BHC (Lindane)

R.T.: 4.298 min
Delta R.T.: -0.001 min
Response: 358163162
Conc: 56.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

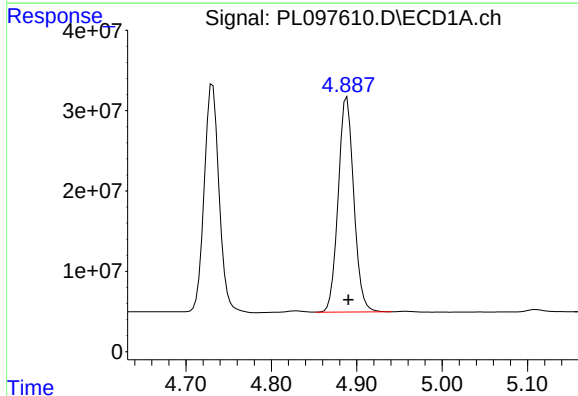
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



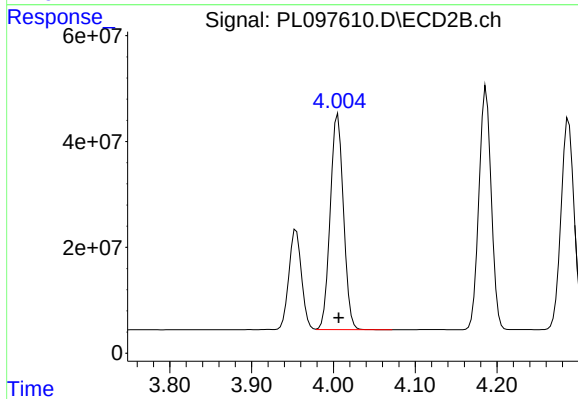
#3 gamma-BHC (Lindane)

R.T.: 3.658 min
Delta R.T.: 0.000 min
Response: 483376823
Conc: 52.61 ng/ml



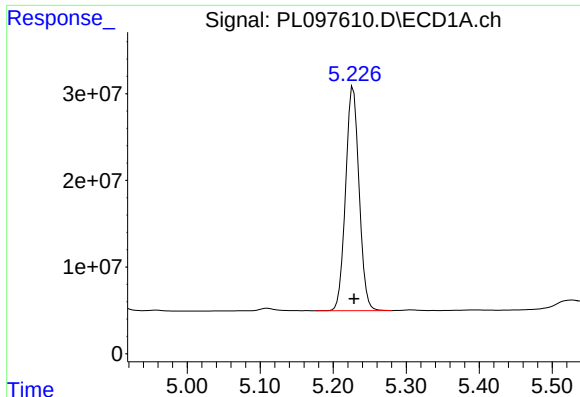
#4 Heptachlor

R.T.: 4.889 min
Delta R.T.: -0.001 min
Response: 339729817
Conc: 52.67 ng/ml



#4 Heptachlor

R.T.: 4.005 min
Delta R.T.: -0.001 min
Response: 458119387
Conc: 49.84 ng/ml



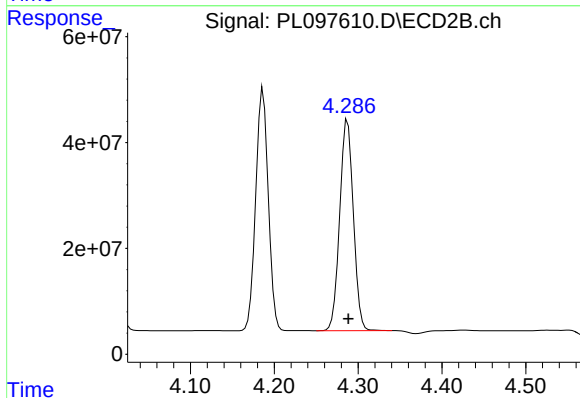
#5 Aldrin

R.T.: 5.227 min
Delta R.T.: -0.001 min
Response: 331299296
Conc: 55.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

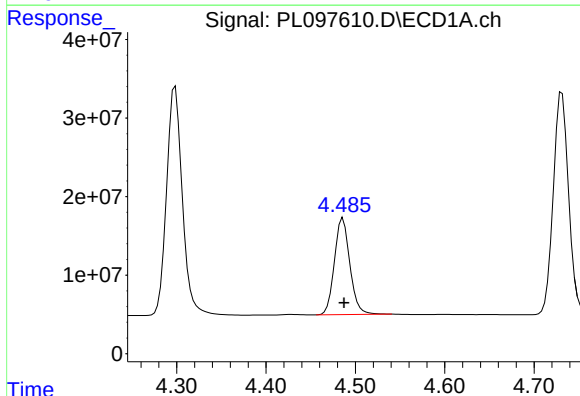
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



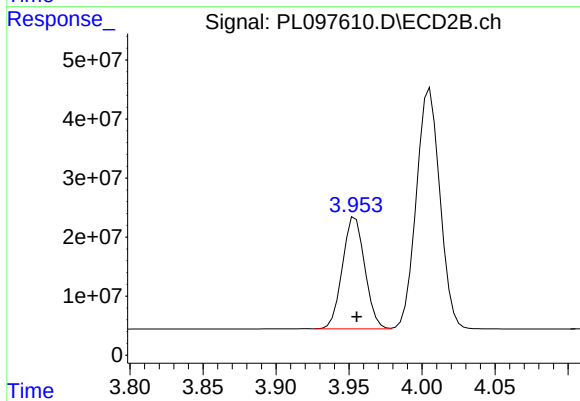
#5 Aldrin

R.T.: 4.287 min
Delta R.T.: -0.001 min
Response: 451088842
Conc: 52.02 ng/ml



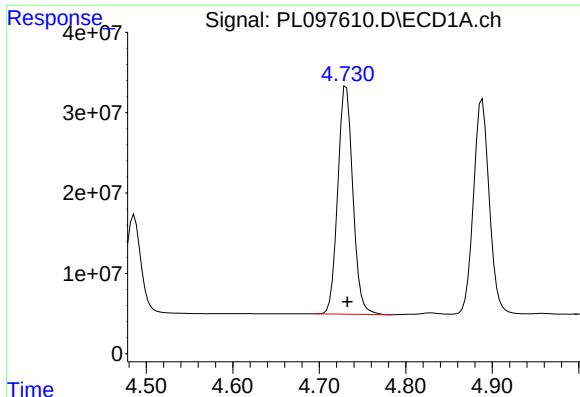
#6 beta-BHC

R.T.: 4.486 min
Delta R.T.: -0.001 min
Response: 147931755
Conc: 57.22 ng/ml



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 201503707
Conc: 50.65 ng/ml



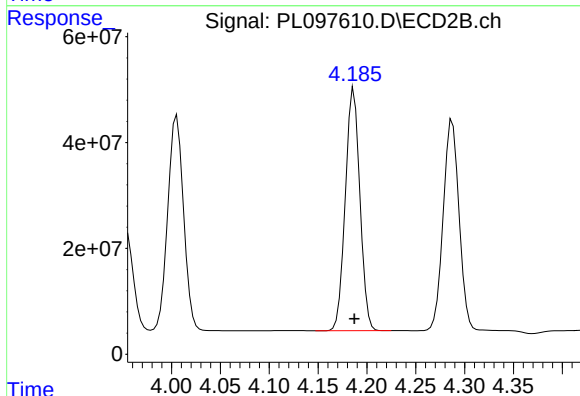
#7 delta-BHC

R.T.: 4.731 min
Delta R.T.: -0.001 min
Response: 342218173
Conc: 56.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

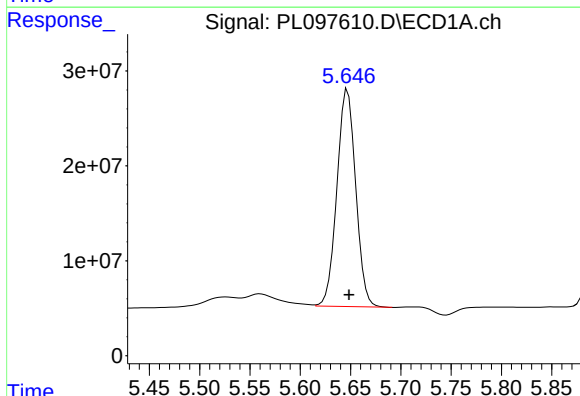
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



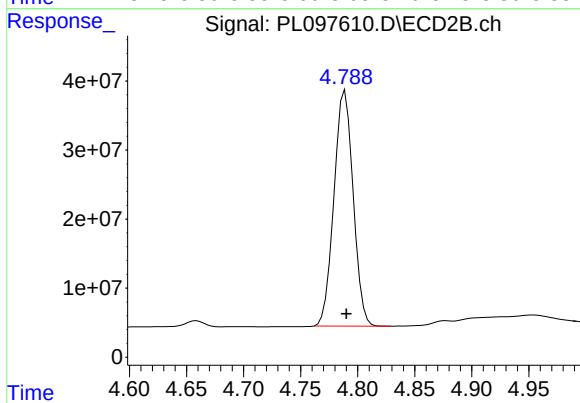
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 476211860
Conc: 52.71 ng/ml



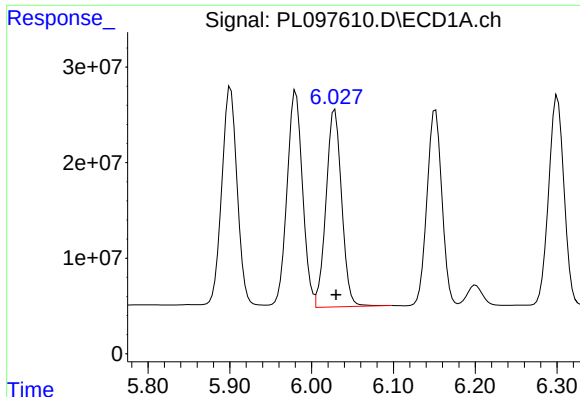
#8 Heptachlor epoxide

R.T.: 5.646 min
Delta R.T.: -0.003 min
Response: 297172828
Conc: 51.04 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.789 min
Delta R.T.: -0.001 min
Response: 399663889
Conc: 50.60 ng/ml



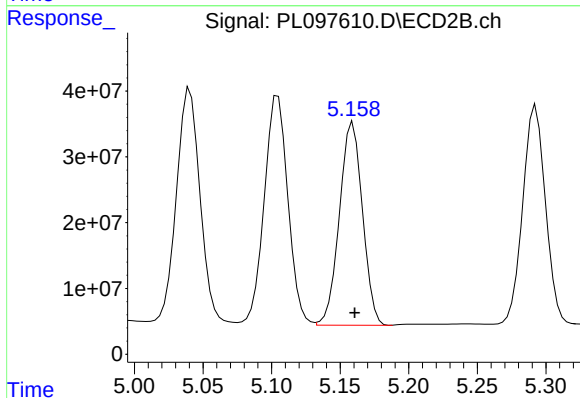
#9 Endosulfan I

R.T.: 6.028 min
Delta R.T.: -0.001 min
Response: 274890793
Conc: 55.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

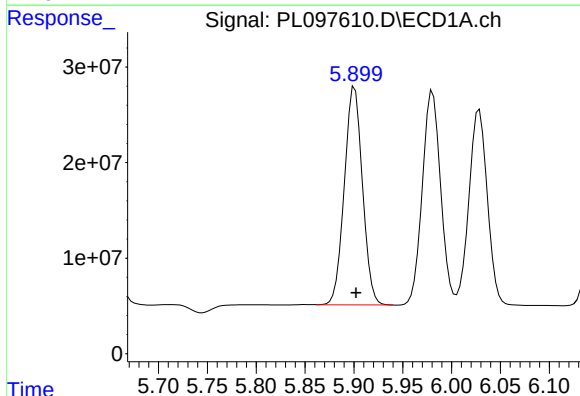
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



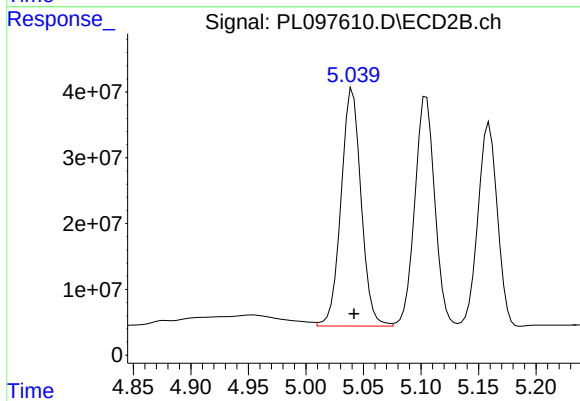
#9 Endosulfan I

R.T.: 5.159 min
Delta R.T.: -0.001 min
Response: 361451484
Conc: 49.01 ng/ml



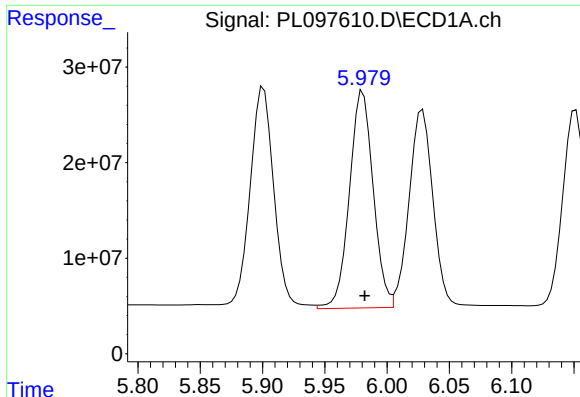
#10 gamma-Chlordane

R.T.: 5.899 min
Delta R.T.: -0.003 min
Response: 295441562
Conc: 54.44 ng/ml m



#10 gamma-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.001 min
Response: 438941417
Conc: 50.49 ng/ml



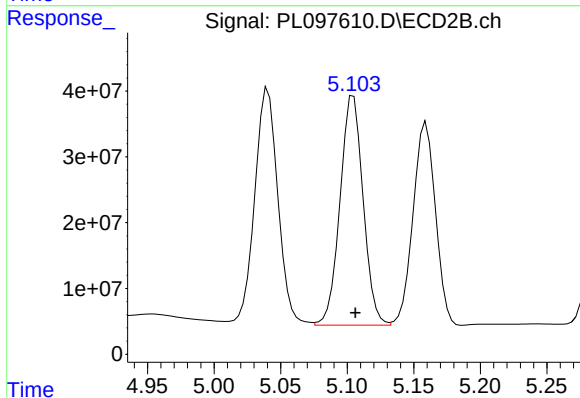
#11 alpha-Chlordane

R.T.: 5.981 min
Delta R.T.: -0.001 min
Response: 303176880
Conc: 55.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

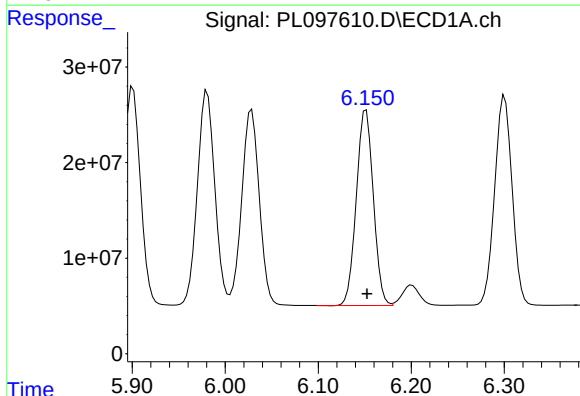
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



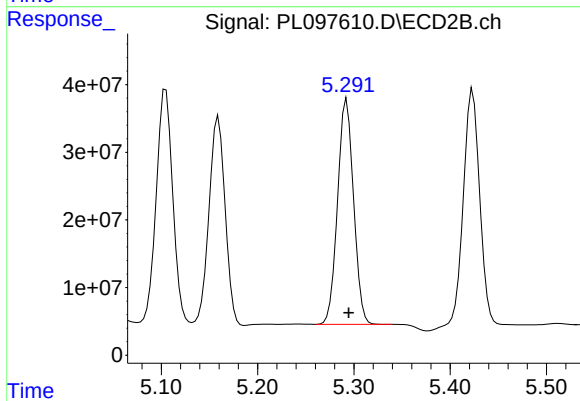
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: -0.001 min
Response: 421404917
Conc: 50.61 ng/ml



#12 4,4'-DDE

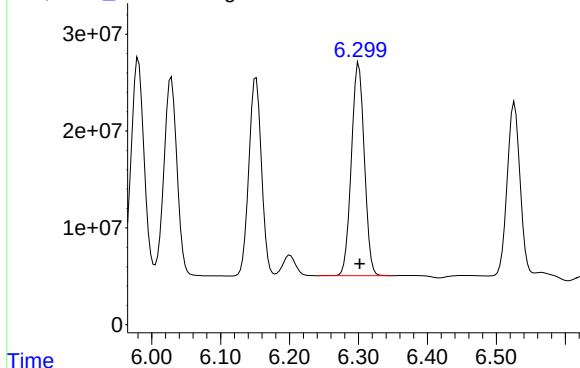
R.T.: 6.152 min
Delta R.T.: -0.001 min
Response: 259856196
Conc: 55.80 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.002 min
Response: 384122832
Conc: 50.59 ng/ml

Response_ Signal: PL097610.D\ECD1A.ch



#13 Dieldrin

R.T.: 6.300 min
Delta R.T.: -0.002 min
Response: 286463069
Conc: 54.46 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

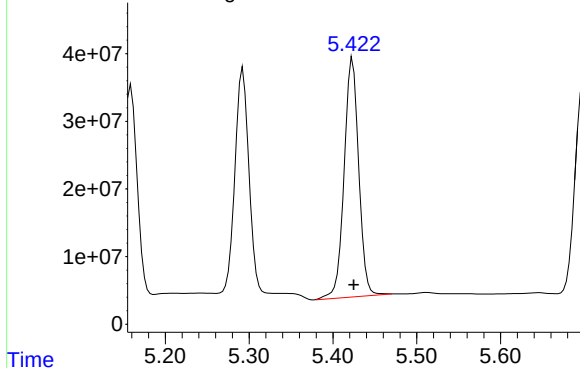
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

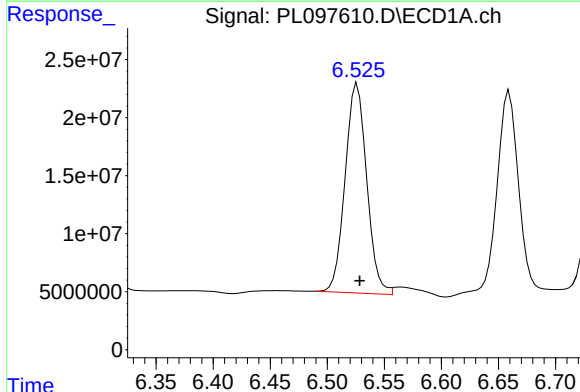
Response_ Signal: PL097610.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.423 min
Delta R.T.: -0.002 min
Response: 429636536
Conc: 51.96 ng/ml

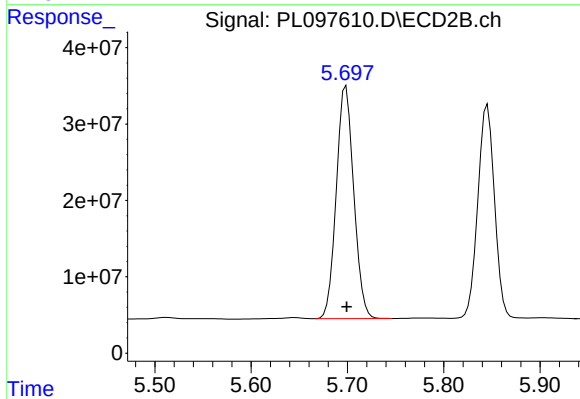
Response_ Signal: PL097610.D\ECD1A.ch



#14 Endrin

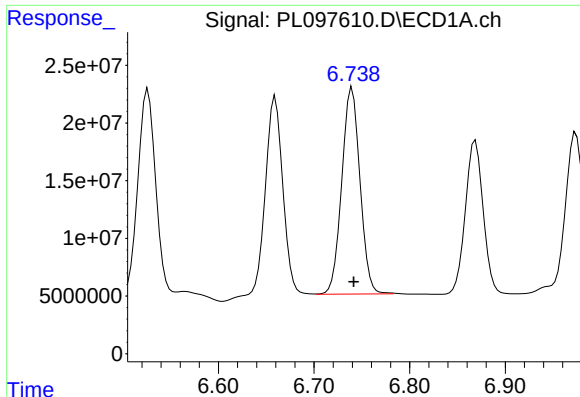
R.T.: 6.526 min
Delta R.T.: -0.002 min
Response: 237872371
Conc: 53.16 ng/ml

Response_ Signal: PL097610.D\ECD2B.ch



#14 Endrin

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 383339519
Conc: 51.79 ng/ml



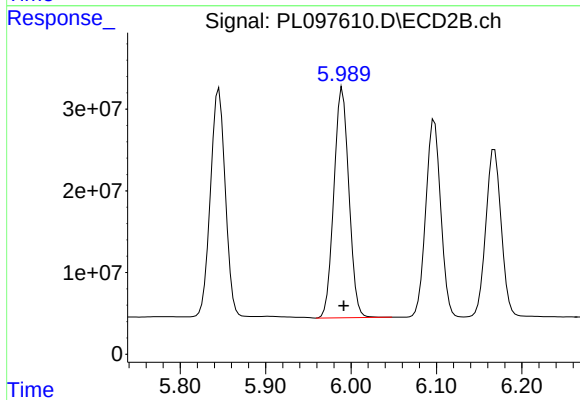
#15 Endosulfan II

R.T.: 6.738 min
Delta R.T.: -0.003 min
Response: 237941219
Conc: 48.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

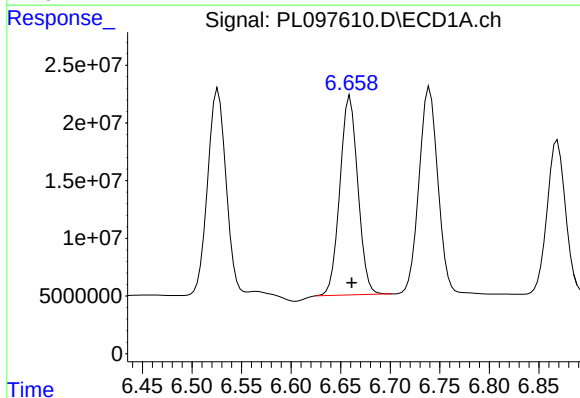
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



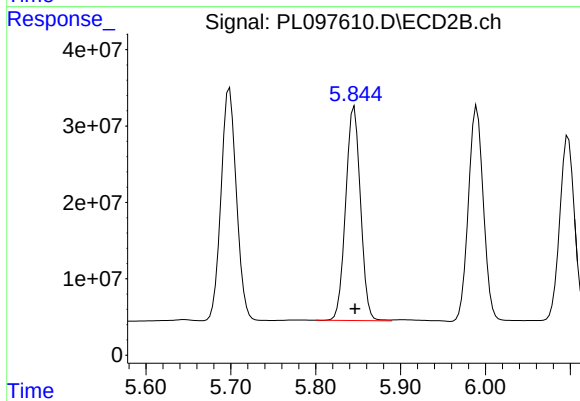
#15 Endosulfan II

R.T.: 5.990 min
Delta R.T.: -0.001 min
Response: 344325507
Conc: 49.87 ng/ml



#16 4,4'-DDD

R.T.: 6.658 min
Delta R.T.: -0.003 min
Response: 217582194
Conc: 57.66 ng/ml m

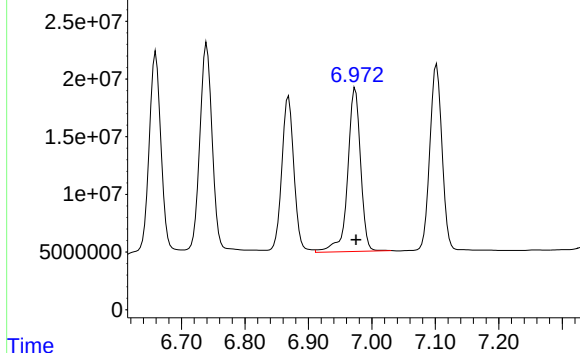


#16 4,4'-DDD

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 339709329
Conc: 53.26 ng/ml

Response_ Signal: PL097610.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 6.974 min
Delta R.T.: -0.001 min
Response: 201112053
Conc: 49.60 ng/ml

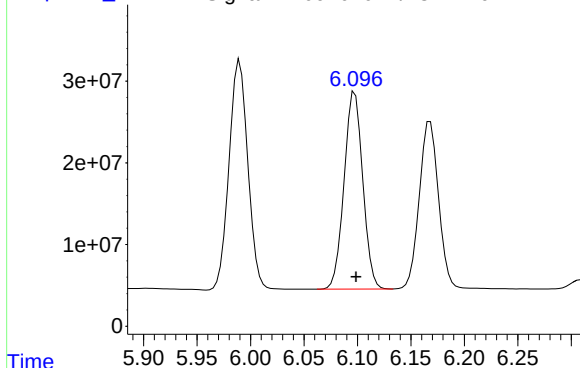
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

Time Response_ Signal: PL097610.D\ECD2B.ch

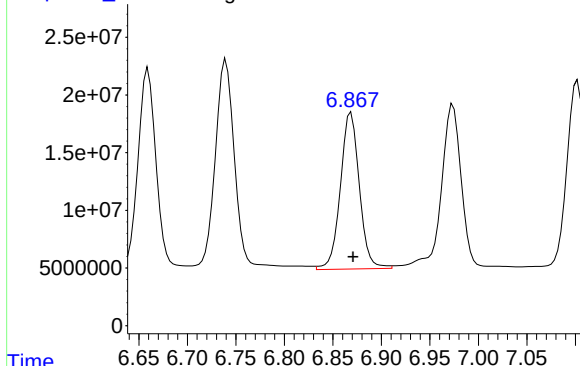
#17 4,4'-DDT



R.T.: 6.098 min
Delta R.T.: -0.001 min
Response: 293892171
Conc: 44.11 ng/ml

Time Response_ Signal: PL097610.D\ECD1A.ch

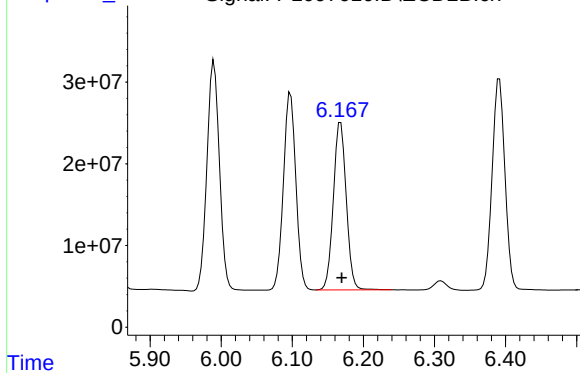
#18 Endrin aldehyde



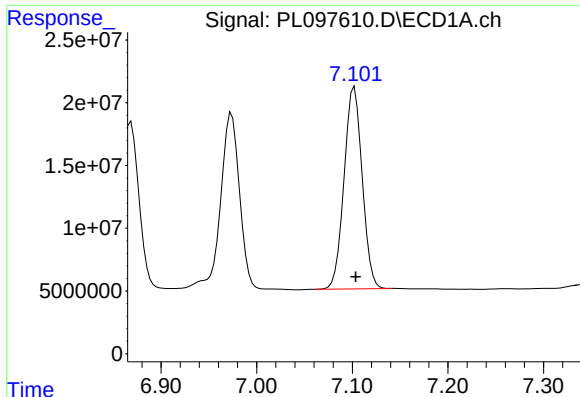
R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 184936139
Conc: 56.44 ng/ml

Time Response_ Signal: PL097610.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 258226788
Conc: 44.84 ng/ml



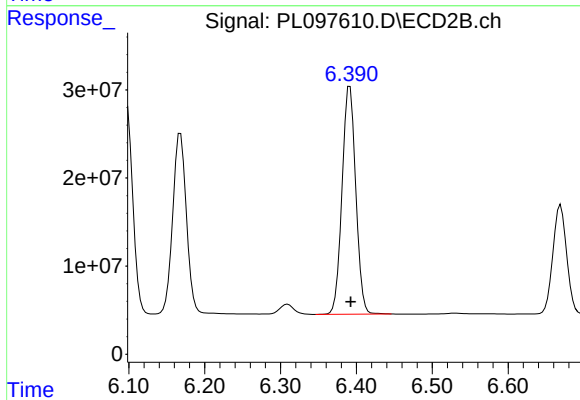
#19 Endosulfan Sulfate

R.T.: 7.102 min
Delta R.T.: -0.002 min
Response: 212784685
Conc: 53.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

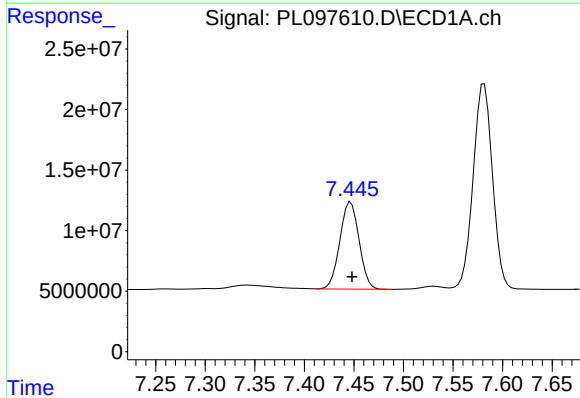
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



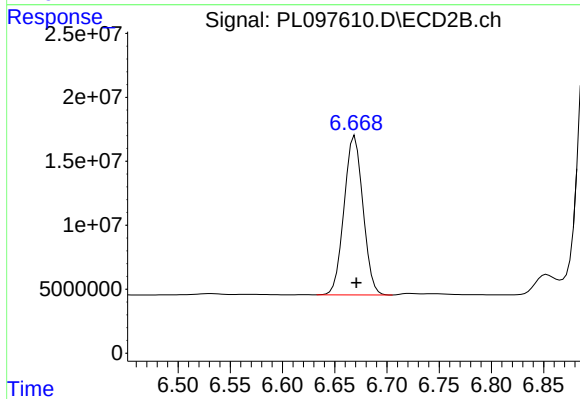
#19 Endosulfan Sulfate

R.T.: 6.391 min
Delta R.T.: -0.001 min
Response: 325043426
Conc: 48.82 ng/ml



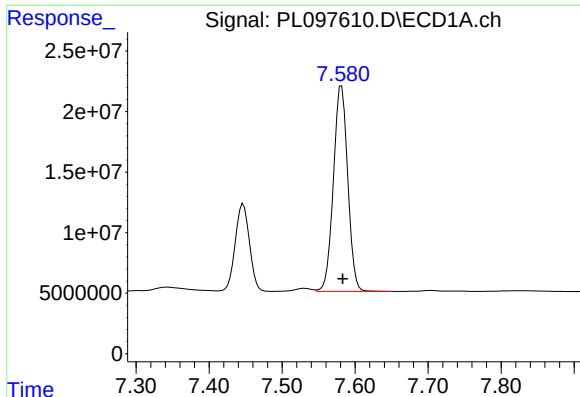
#20 Methoxychlor

R.T.: 7.447 min
Delta R.T.: -0.001 min
Response: 96811752
Conc: 46.34 ng/ml



#20 Methoxychlor

R.T.: 6.669 min
Delta R.T.: -0.001 min
Response: 156247679
Conc: 42.86 ng/ml



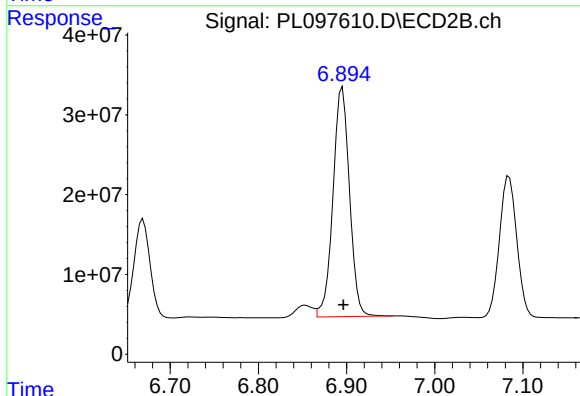
#21 Endrin ketone

R.T.: 7.581 min
Delta R.T.: -0.002 min
Response: 231697323
Conc: 54.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

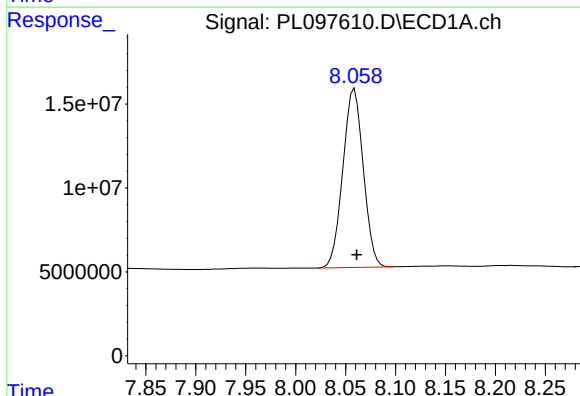
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



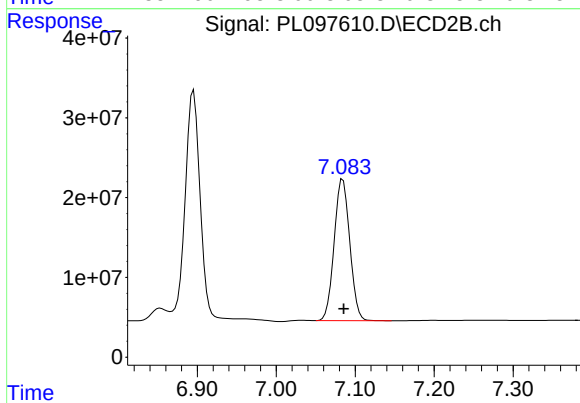
#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.001 min
Response: 374990655
Conc: 47.47 ng/ml



#22 Mirex

R.T.: 8.059 min
Delta R.T.: -0.002 min
Response: 151600990
Conc: 48.79 ng/ml

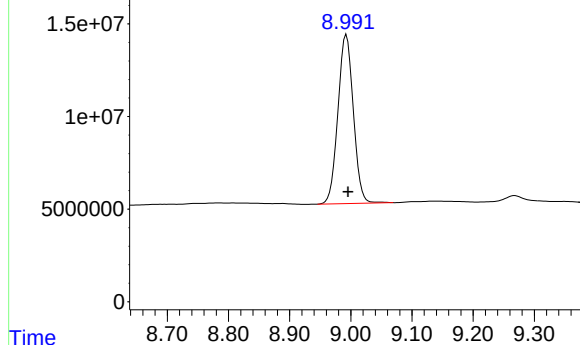


#22 Mirex

R.T.: 7.084 min
Delta R.T.: -0.001 min
Response: 243458710
Conc: 45.51 ng/ml

Signal: PL097610.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 8.993 min
Delta R.T.: -0.003 min
Response: 159796365
Conc: 53.74 ng/ml

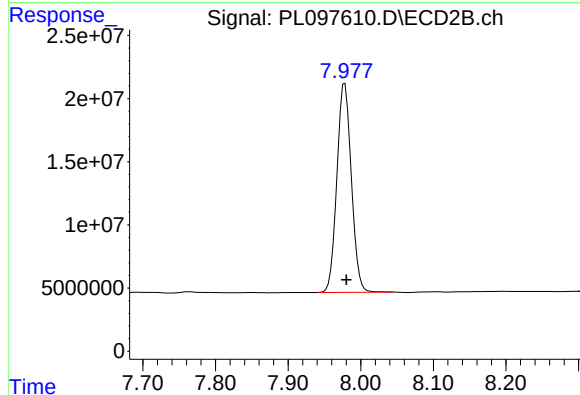
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

Signal: PL097610.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.978 min
Delta R.T.: -0.002 min
Response: 228870390
Conc: 44.11 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097524.D Date Analyzed: 10/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:06

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.995	8.890	9.100	22.480	20.000	12.4
Tetrachloro-m-xylene	3.525	3.470	3.580	21.020	20.000	5.1
alpha-BHC	3.972	3.920	4.020	9.250	10.000	-7.5
beta-BHC	4.487	4.440	4.540	9.770	10.000	-2.3
gamma-BHC (Lindane)	4.299	4.250	4.350	9.540	10.000	-4.6
Endrin	6.528	6.460	6.600	49.100	50.000	-1.8
4,4'-DDT	6.976	6.910	7.050	99.450	100.000	-0.6
Methoxychlor	7.449	7.380	7.520	233.030	250.000	-6.8

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097524.D Date Analyzed: 10/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:06

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.980	7.880	8.080	21.730	20.000	8.7
Tetrachloro-m-xylene	2.822	2.770	2.870	20.010	20.000	0.1
alpha-BHC	3.327	3.280	3.380	9.920	10.000	-0.8
beta-BHC	3.954	3.900	4.000	9.860	10.000	-1.4
gamma-BHC (Lindane)	3.659	3.610	3.710	9.560	10.000	-4.4
Endrin	5.699	5.630	5.770	48.200	50.000	-3.6
4,4'-DDT	6.098	6.030	6.170	101.840	100.000	1.8
Methoxychlor	6.670	6.600	6.740	214.490	250.000	-14.2

Data File: PEM
 PL097524.D **Date Acquired** 10/7/2025 10:06
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.53	219684639.6	225208017	5523377.4	Down 2.45
Endrin aldehyde	6.87	1414620.112			
Endrin ketone	7.58	4108757.284			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.70	356713869.9	383529672.1	26815802.2	6.99
Endrin aldehyde #2	6.17	13411473.74			
Endrin ketone #2	6.90	13404328.48			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.98	403234840.2	407892171.9	4657331.7	1.14
4,4'-DDE	0.00	0			
4,4'-DDD	6.66	4657331.703			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.10	678588383.6	685623374.7	7034991.07	1.03
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.85	7034991.065			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097524.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 10:06
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 14:33:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 14:32:10 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.822	85683400	121.8E6	21.018	20.011
28)	SA Decachlor...	8.995	7.980	66841952	112.7E6	22.478	21.728
Target Compounds							
2)	A alpha-BHC	3.972	3.327	62410931	97859114	9.252	9.918
3)	MA gamma-BHC...	4.299	3.659	60643492	87784486	9.541	9.555
6)	B beta-BHC	4.487	3.954	25254750	39230868	9.768	9.862
14)	MA Endrin	6.528	5.699	219.7E6	356.7E6	49.099	48.195
16)	A 4,4'-DDD	6.662	5.847	4657332	7034991	1.234	1.103
17)	MA 4,4'-DDT	6.976	6.098	403.2E6	678.6E6	99.449	101.838
18)	B Endrin al...	6.872	6.170	1414620	13411474	0.432m	2.329 #
20)	A Methoxychlor	7.449	6.670	486.8E6	781.9E6	233.027	214.495
21)	B Endrin ke...	7.582	6.895	4108757	13404328	0.960m	1.697 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:06
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

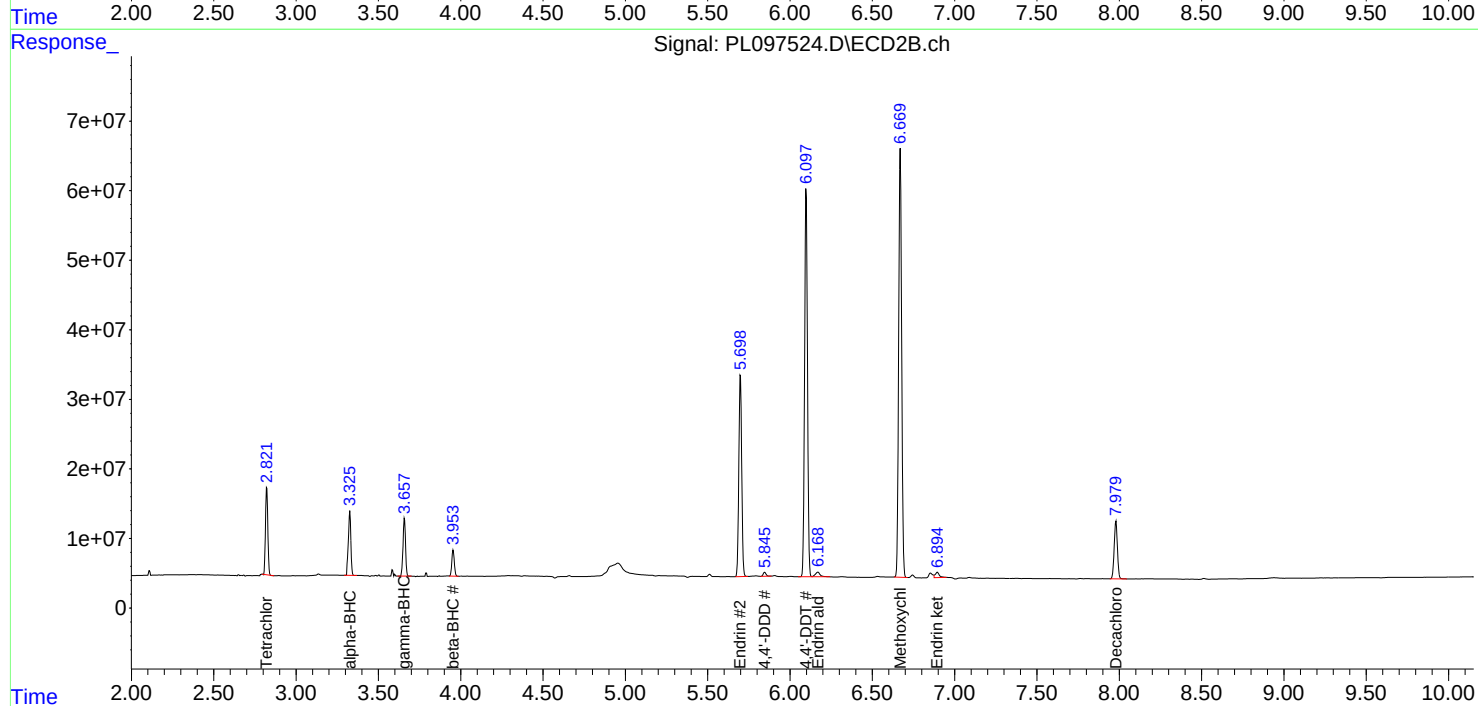
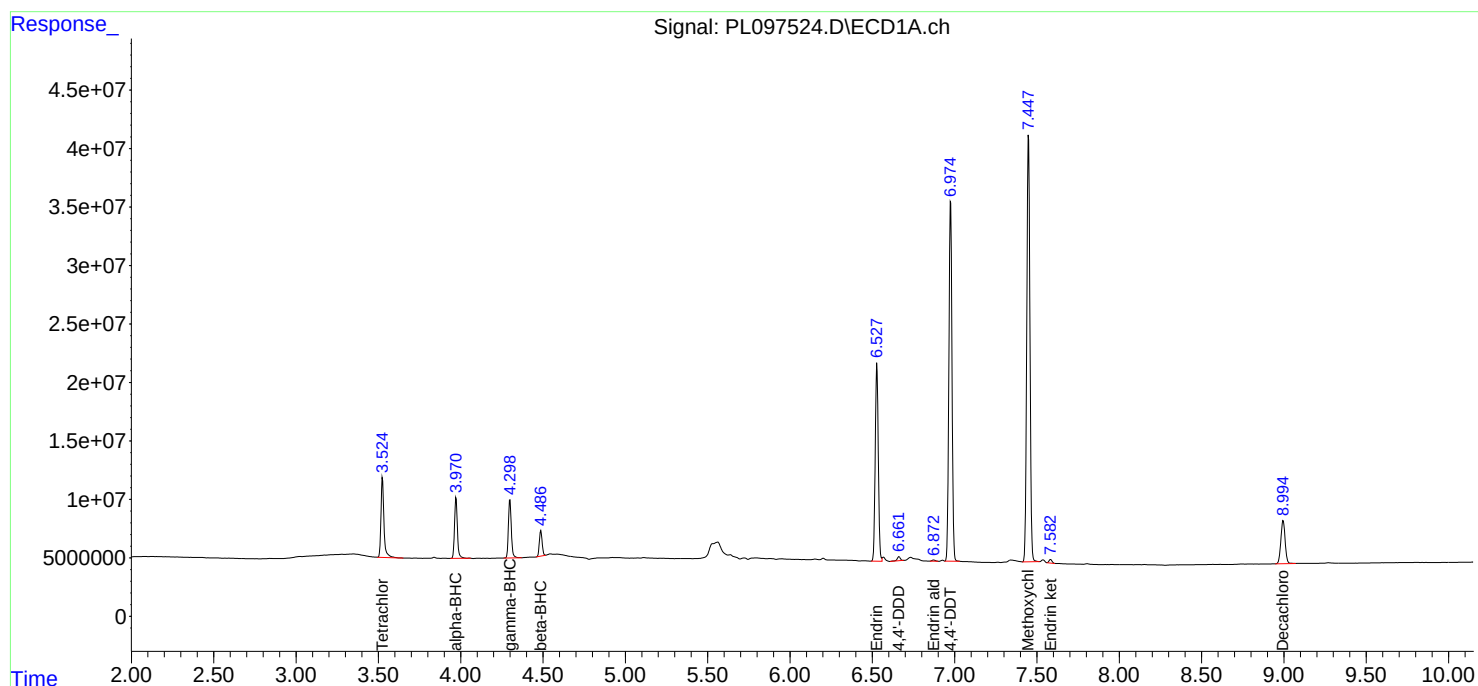
Instrument :
ECD_L
ClientSampleId :
PEM

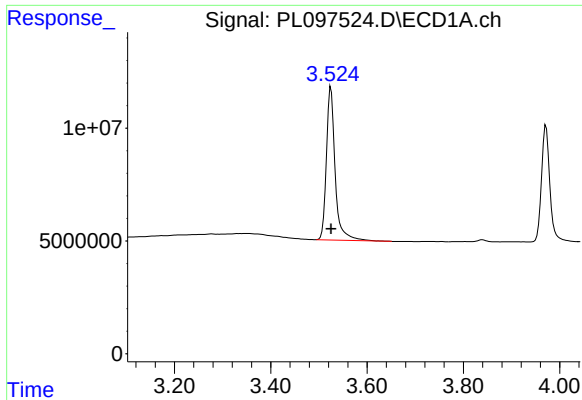
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/08/2025
Supervised By : mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 14:33:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 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 x0.25µm





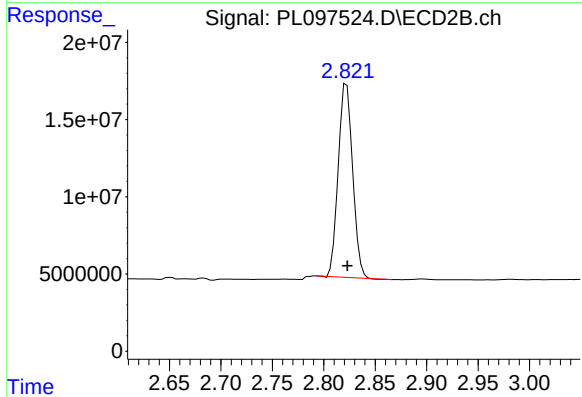
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 85683400
Conc: 21.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

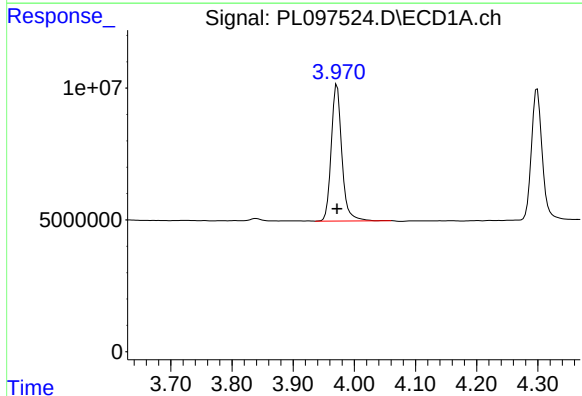
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



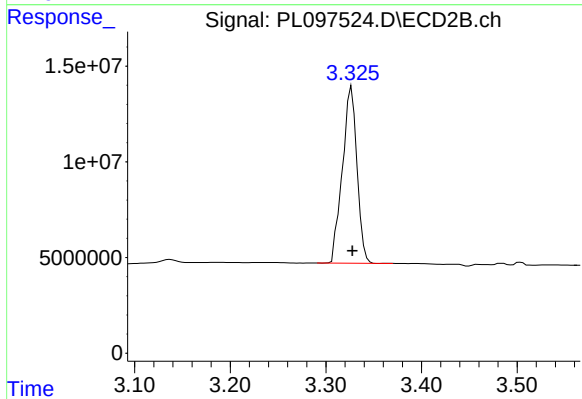
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 121795793
Conc: 20.01 ng/ml



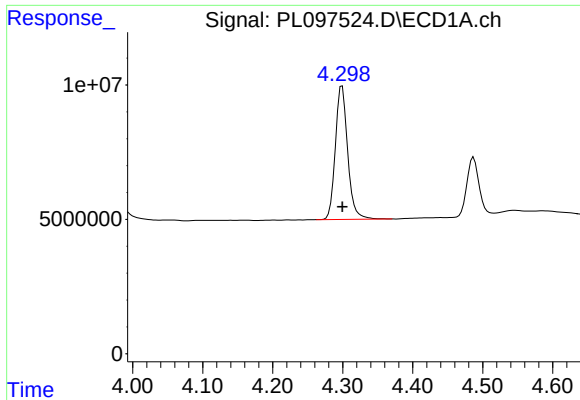
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: 0.000 min
Response: 62410931
Conc: 9.25 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 97859114
Conc: 9.92 ng/ml



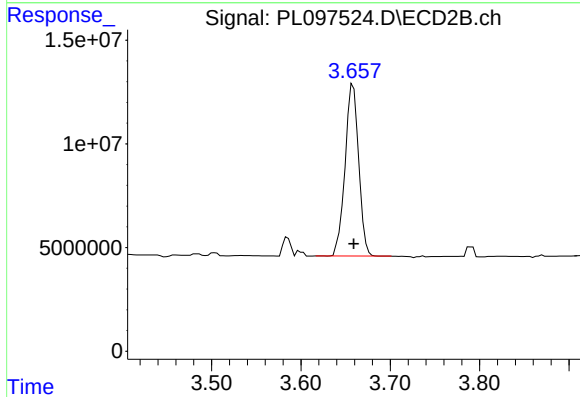
#3 gamma-BHC (Lindane)

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 60643492
Conc: 9.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

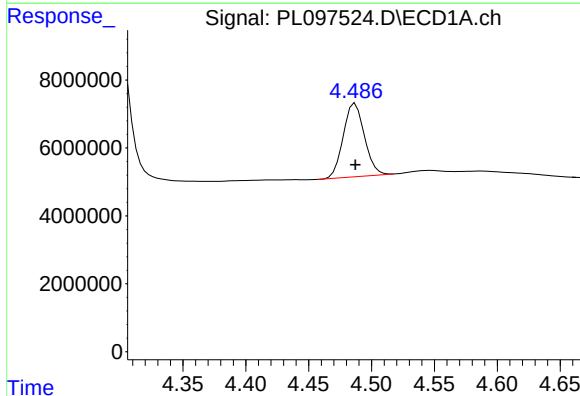
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



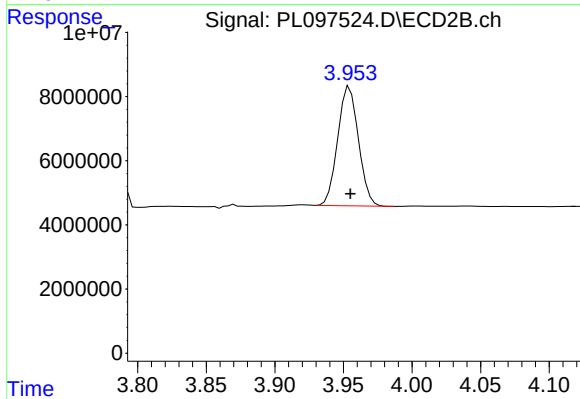
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 87784486
Conc: 9.56 ng/ml



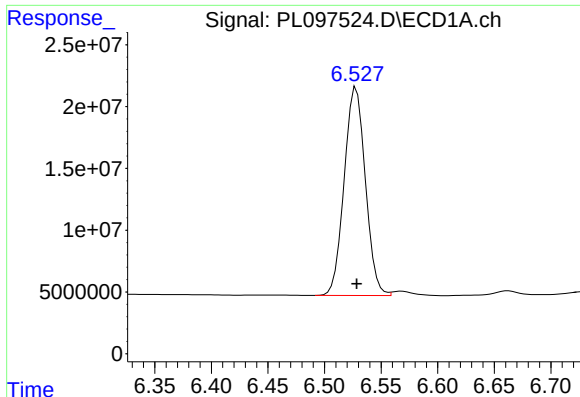
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 25254750
Conc: 9.77 ng/ml



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 39230868
Conc: 9.86 ng/ml



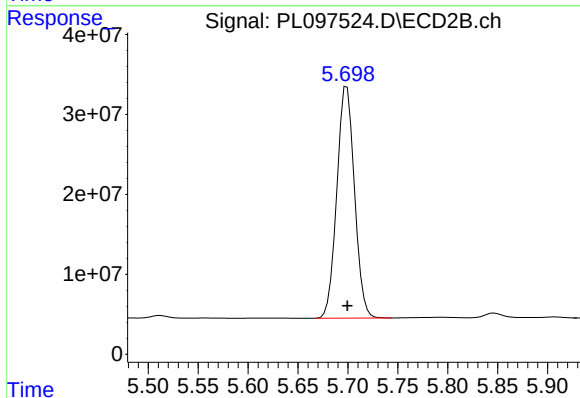
#14 Endrin

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 219684640
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

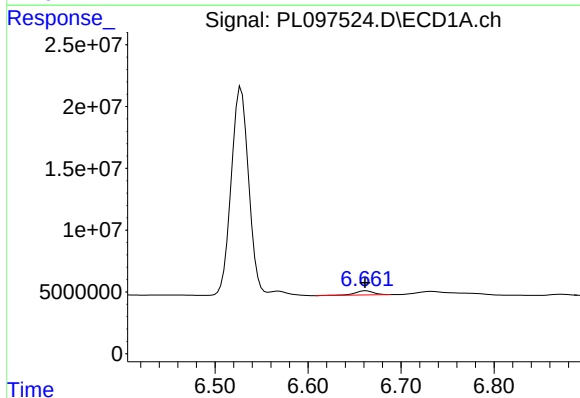
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



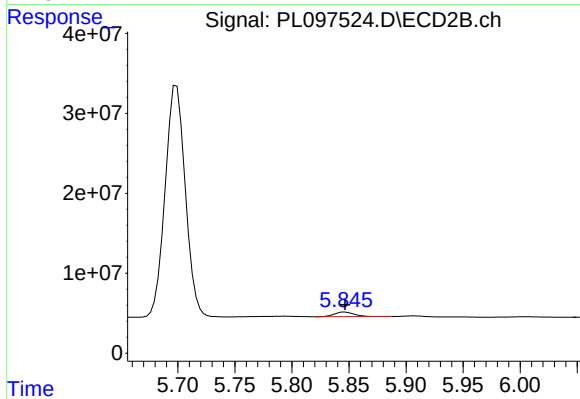
#14 Endrin

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 356713870
Conc: 48.20 ng/ml



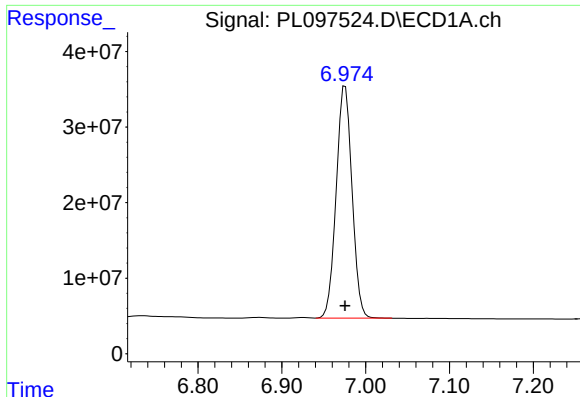
#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: 0.001 min
Response: 4657332
Conc: 1.23 ng/ml



#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: 0.000 min
Response: 7034991
Conc: 1.10 ng/ml



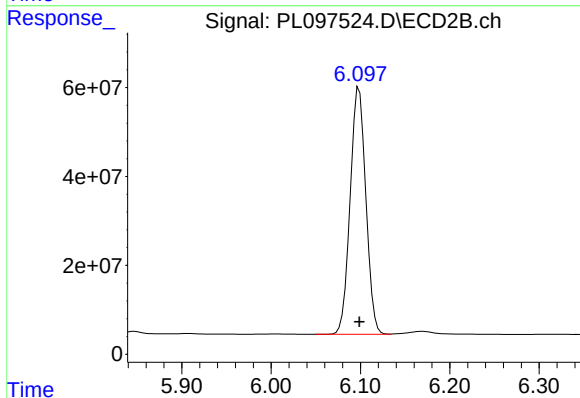
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: 0.000 min
Response: 403234840
Conc: 99.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

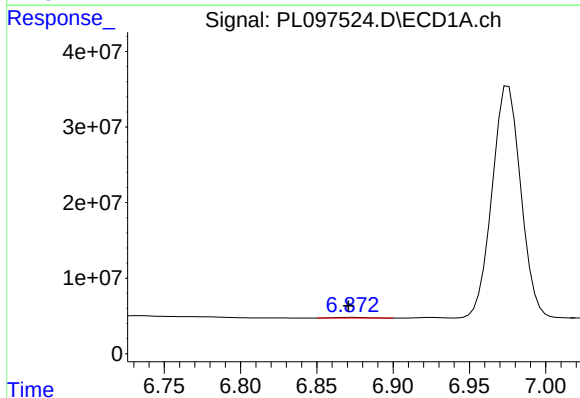
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



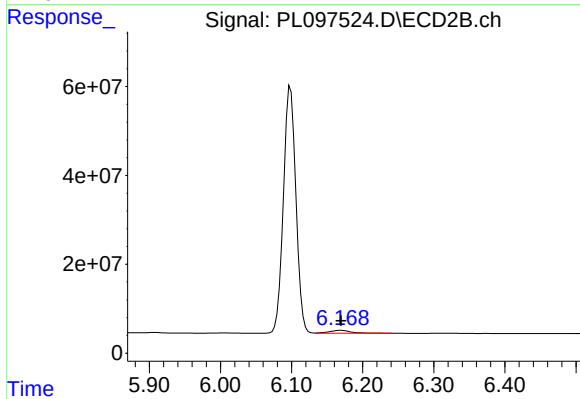
#17 4,4'-DDT

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 678588384
Conc: 101.84 ng/ml



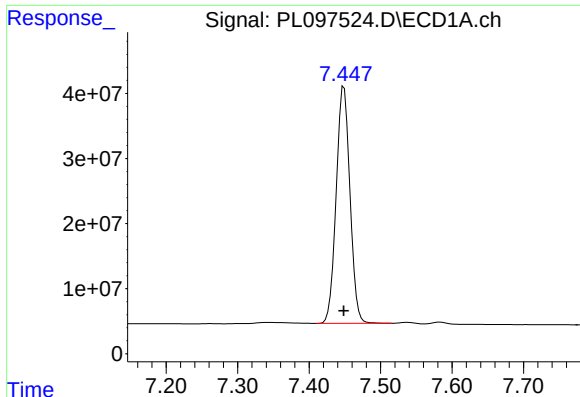
#18 Endrin aldehyde

R.T.: 6.872 min
Delta R.T.: 0.000 min
Response: 1414620
Conc: 0.43 ng/ml m



#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 13411474
Conc: 2.33 ng/ml



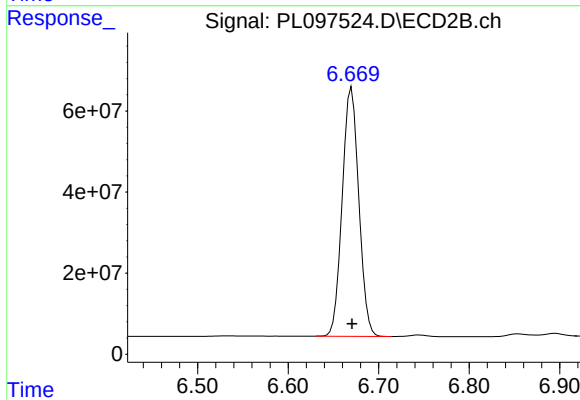
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: 0.000 min
Response: 486793973
Conc: 233.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

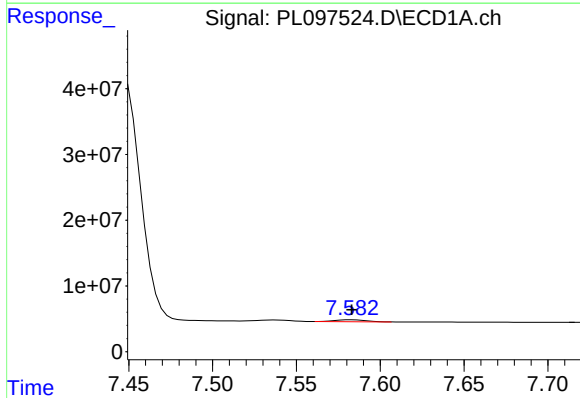
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



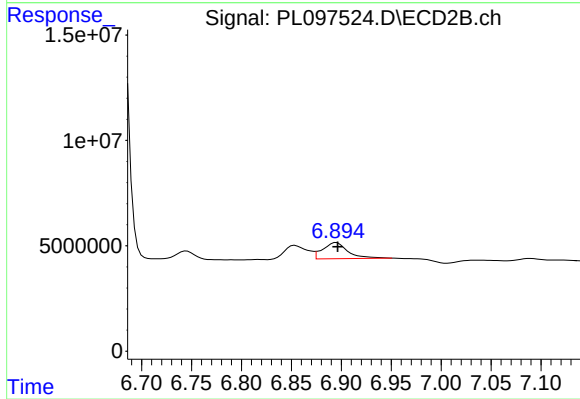
#20 Methoxychlor

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 781879462
Conc: 214.49 ng/ml



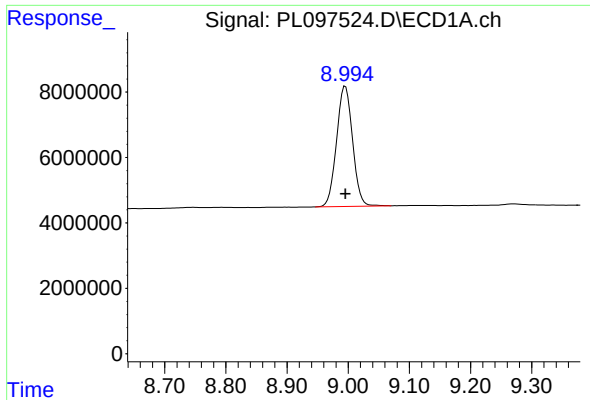
#21 Endrin ketone

R.T.: 7.582 min
Delta R.T.: -0.001 min
Response: 4108757
Conc: 0.96 ng/ml m



#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.001 min
Response: 13404328
Conc: 1.70 ng/ml



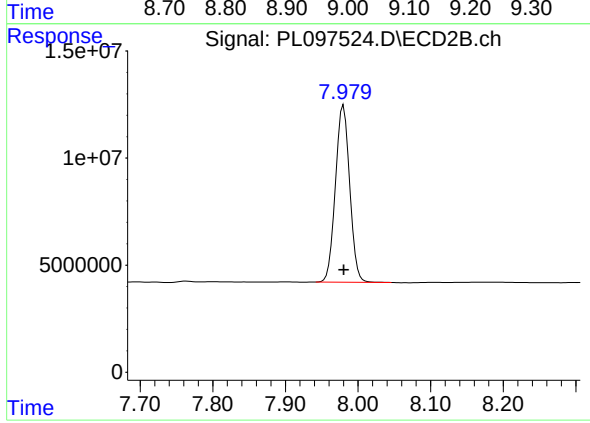
#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 66841952
Conc: 22.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 112748675
Conc: 21.73 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097597.D Date Analyzed: 10/10/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:24

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.993	8.890	9.090	24.710	20.000	23.6
Tetrachloro-m-xylene	3.524	3.470	3.570	24.160	20.000	20.8
alpha-BHC	3.970	3.920	4.020	10.510	10.000	5.1
beta-BHC	4.486	4.440	4.540	11.630	10.000	16.3
gamma-BHC (Lindane)	4.298	4.250	4.350	10.850	10.000	8.5
Endrin	6.527	6.460	6.600	50.570	50.000	1.1
4,4'-DDT	6.974	6.900	7.040	97.640	100.000	-2.4
Methoxychlor	7.447	7.380	7.520	226.000	250.000	-9.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097597.D Date Analyzed: 10/10/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:24

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.978	7.880	8.080	20.650	20.000	3.3
Tetrachloro-m-xylene	2.822	2.770	2.870	21.820	20.000	9.1
alpha-BHC	3.326	3.280	3.380	9.620	10.000	-3.8
beta-BHC	3.954	3.900	4.000	10.300	10.000	3.0
gamma-BHC (Lindane)	3.658	3.610	3.710	9.780	10.000	-2.2
Endrin	5.697	5.630	5.770	47.410	50.000	-5.2
4,4'-DDT	6.097	6.030	6.170	93.730	100.000	-6.3
Methoxychlor	6.668	6.600	6.740	195.050	250.000	-22.0

PEM
Data File: PL097597.D Date Acquired 10/10/2025 10:24
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.53	226250559.5	244958934.9	18708375.5	Down 7.64
Endrin aldehyde	6.87	4045275.225			
Endrin ketone	7.58	14663100.23			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.70	350884589.5	386959092.8	36074503.3	9.32
Endrin aldehyde #2	6.17	10218900.39			
Endrin ketone #2	6.89	25855602.86			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.97	395891219.9	421254790.3	25363570.4	6.02
4,4'-DDE	6.15	1209776.311			
4,4'-DDD	6.66	24153794.12			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.10	624542429.4	660680464.8	36138035.4	5.47
4,4'-DDE #2	5.29	1222781.525			
4,4'-DDD #2	5.84	34915253.88			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 10:24
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/13/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:17:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.524	2.822	98502248	132.8E6	24.162	21.821
28)	SA Decachlor...	8.993	7.978	73476339	107.1E6	24.709	20.647
Target Compounds							
2)	A alpha-BHC	3.970	3.326	70897757	94957032	10.510	9.624
3)	MA gamma-BHC...	4.298	3.658	68939208	89857619	10.846	9.781
6)	B beta-BHC	4.486	3.954	30056953	40955508	11.625	10.295
12)	B 4,4'-DDE	6.151	5.291	1209776	1222782	0.260m	0.161m#
14)	MA Endrin	6.527	5.697	226.3E6	350.9E6	50.567	47.407
16)	A 4,4'-DDD	6.659	5.844	24153794	34915254	6.401m	5.474
17)	MA 4,4'-DDT	6.974	6.097	395.9E6	624.5E6	97.637	93.727
18)	B Endrin al...	6.869	6.168	4045275	10218900	1.235m	1.775 #
20)	A Methoxychlor	7.447	6.668	472.1E6	711.0E6	226.000	195.050
21)	B Endrin ke...	7.581	6.894	14663100	25855603	3.425	3.273

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:24
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

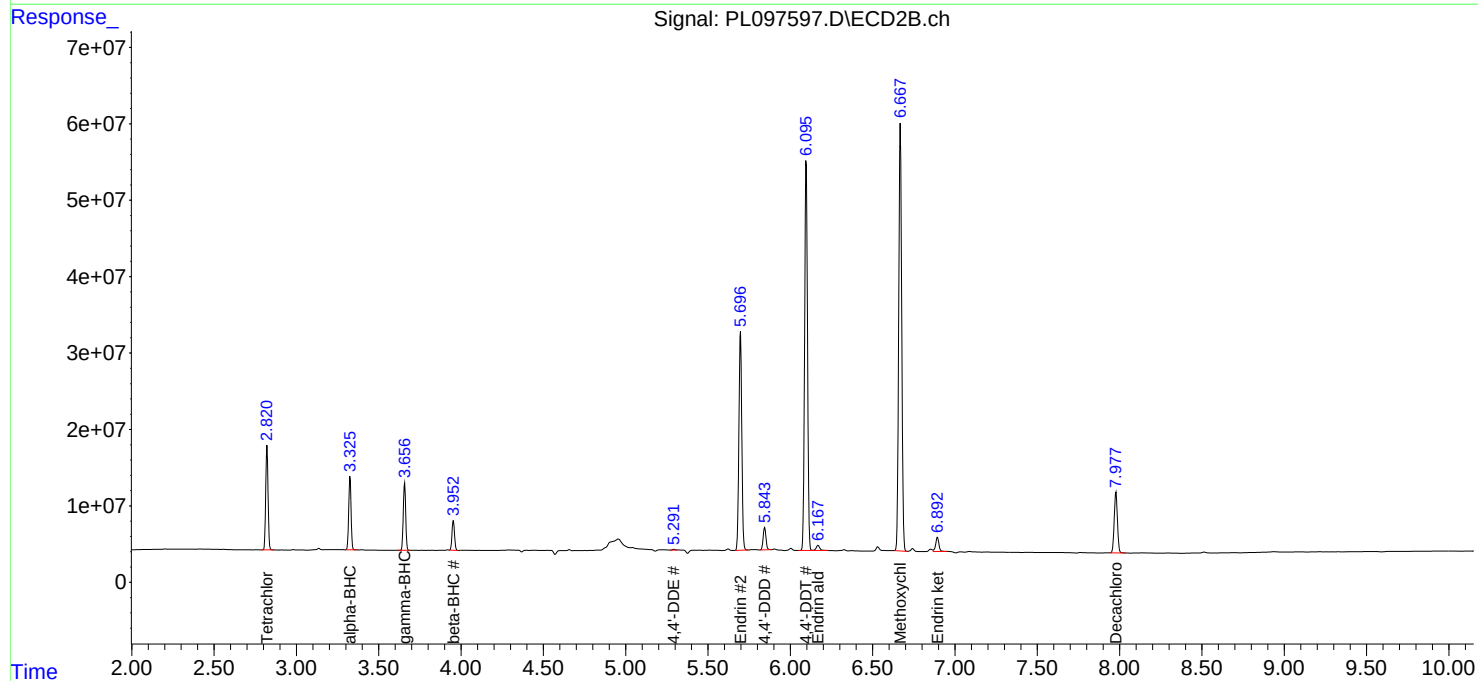
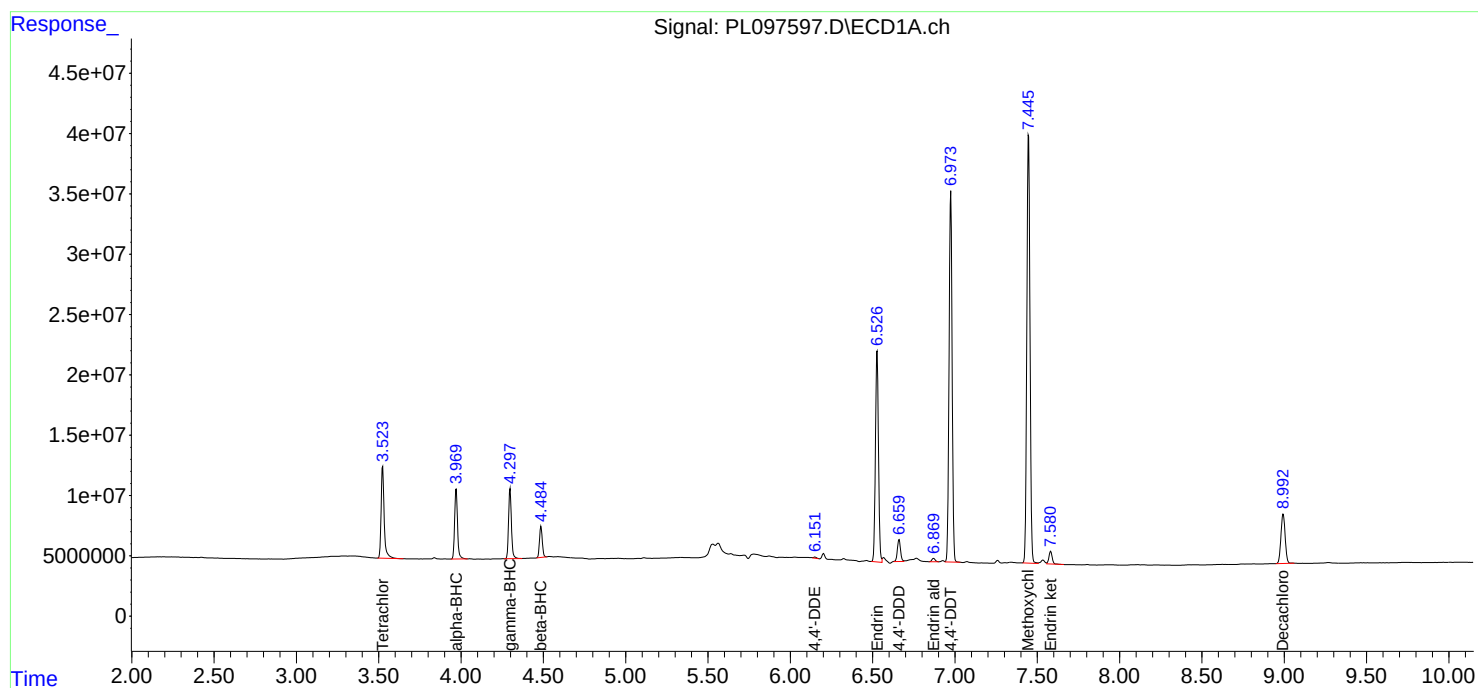
Instrument :
ECD_L
ClientSampleId :
PEM

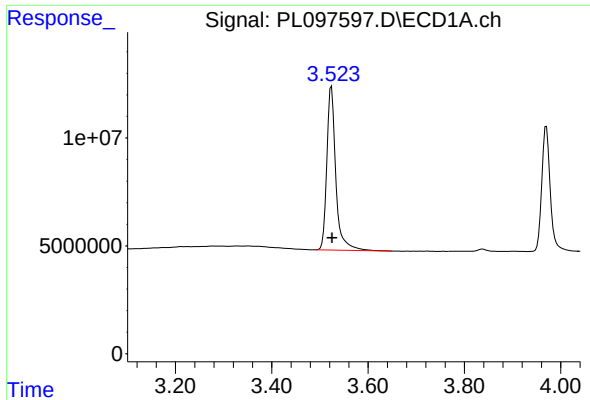
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:17:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm





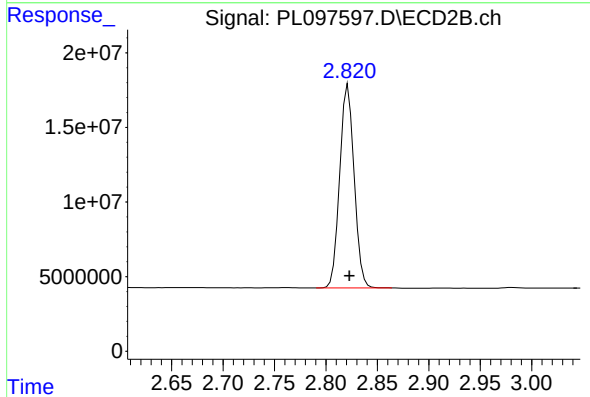
#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: -0.001 min
Response: 98502248
Conc: 24.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

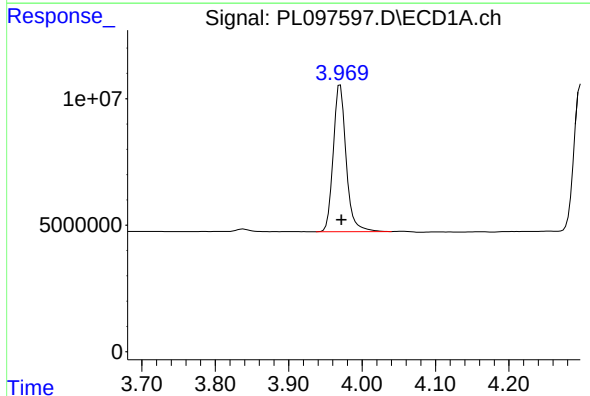
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



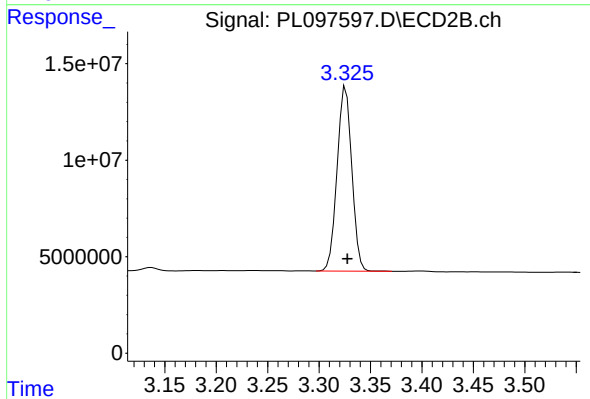
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 132813089
Conc: 21.82 ng/ml



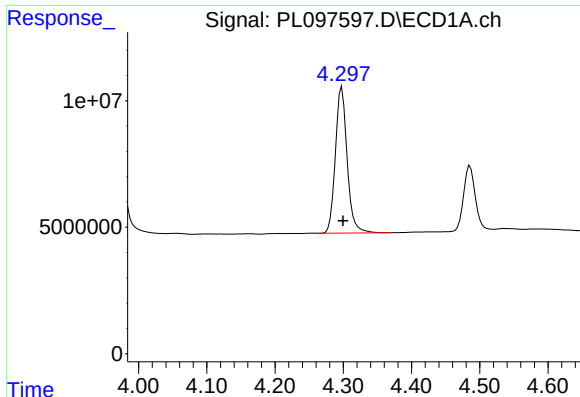
#2 alpha-BHC

R.T.: 3.970 min
Delta R.T.: -0.002 min
Response: 70897757
Conc: 10.51 ng/ml



#2 alpha-BHC

R.T.: 3.326 min
Delta R.T.: -0.002 min
Response: 94957032
Conc: 9.62 ng/ml



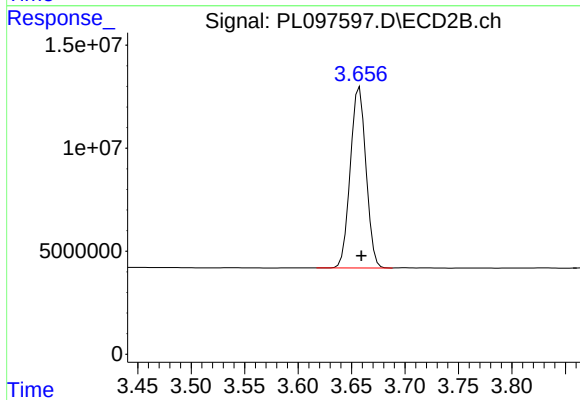
#3 gamma-BHC (Lindane)

R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 68939208
Conc: 10.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

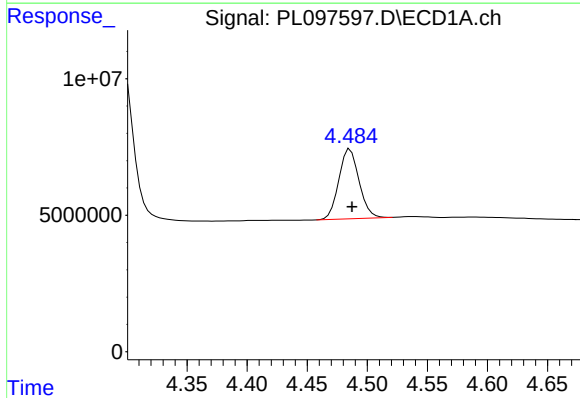
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



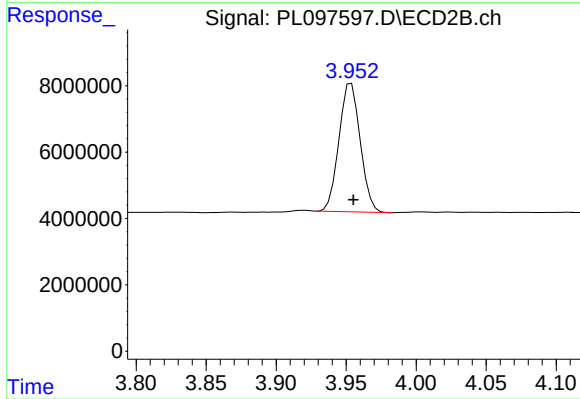
#3 gamma-BHC (Lindane)

R.T.: 3.658 min
Delta R.T.: -0.002 min
Response: 89857619
Conc: 9.78 ng/ml



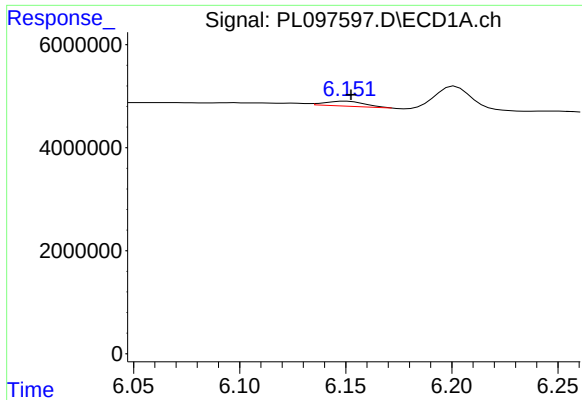
#6 beta-BHC

R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 30056953
Conc: 11.63 ng/ml



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: -0.002 min
Response: 40955508
Conc: 10.30 ng/ml



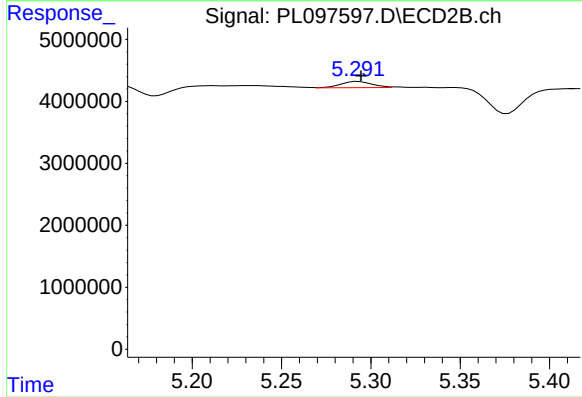
#12 4,4'-DDE

R.T.: 6.151 min
Delta R.T.: -0.002 min
Response: 1209776
Conc: 0.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

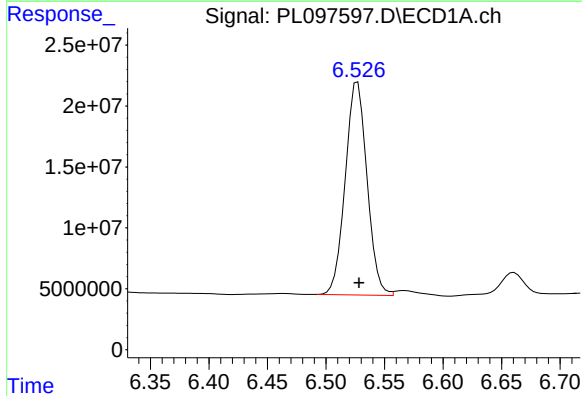
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



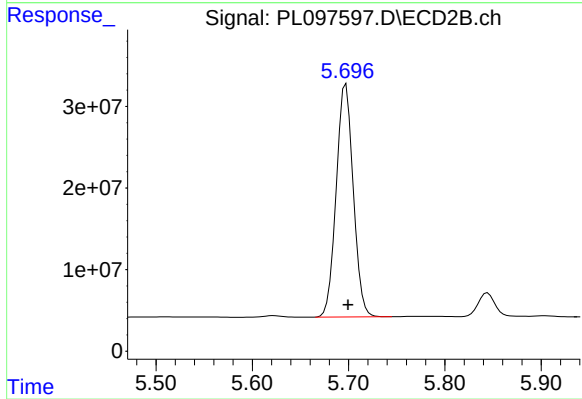
#12 4,4'-DDE

R.T.: 5.291 min
Delta R.T.: -0.003 min
Response: 1222782
Conc: 0.16 ng/ml m



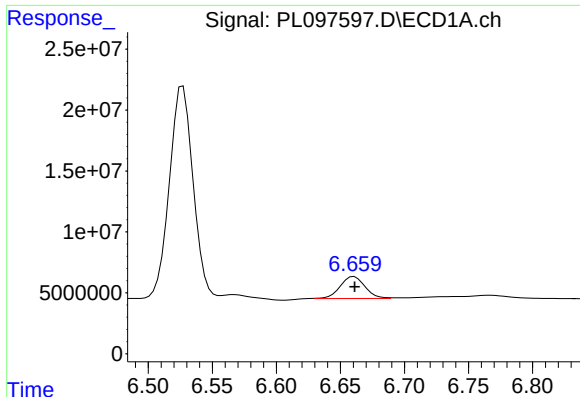
#14 Endrin

R.T.: 6.527 min
Delta R.T.: -0.001 min
Response: 226250559
Conc: 50.57 ng/ml



#14 Endrin

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 350884590
Conc: 47.41 ng/ml



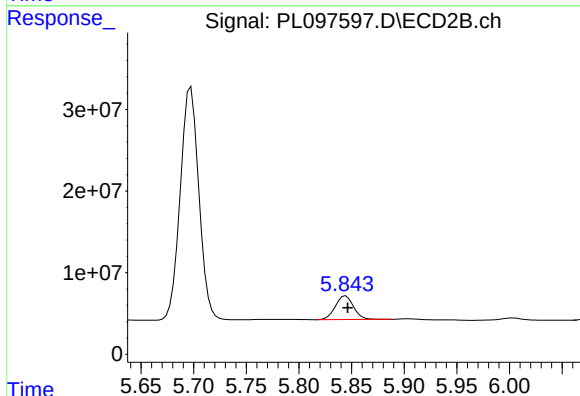
#16 4,4'-DDD

R.T.: 6.659 min
Delta R.T.: -0.002 min
Response: 24153794
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

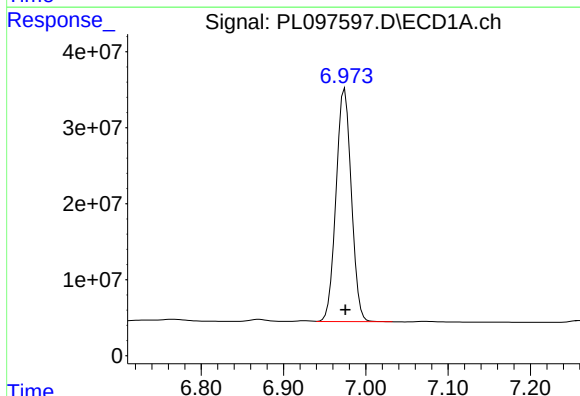
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



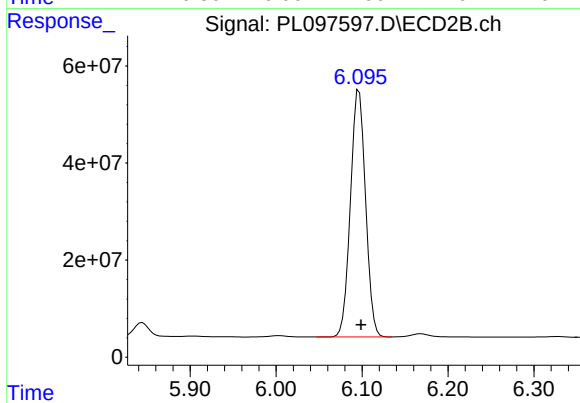
#16 4,4'-DDD

R.T.: 5.844 min
Delta R.T.: -0.002 min
Response: 34915254
Conc: 5.47 ng/ml



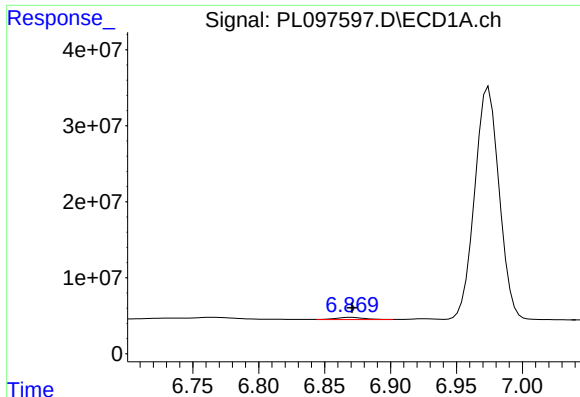
#17 4,4'-DDT

R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 395891220
Conc: 97.64 ng/ml



#17 4,4'-DDT

R.T.: 6.097 min
Delta R.T.: -0.002 min
Response: 624542429
Conc: 93.73 ng/ml



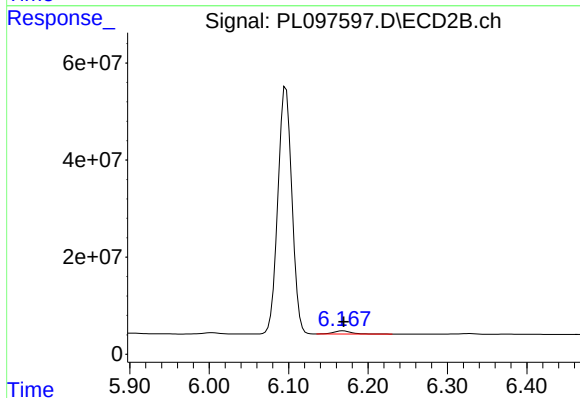
#18 Endrin aldehyde

R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 4045275
Conc: 1.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

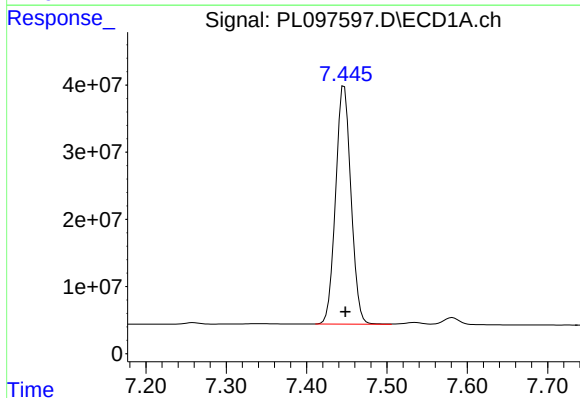
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



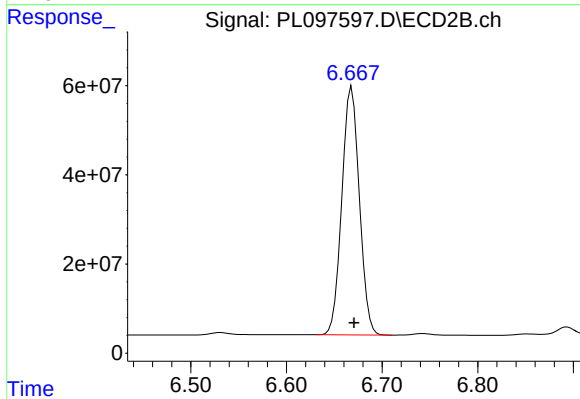
#18 Endrin aldehyde

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 10218900
Conc: 1.77 ng/ml



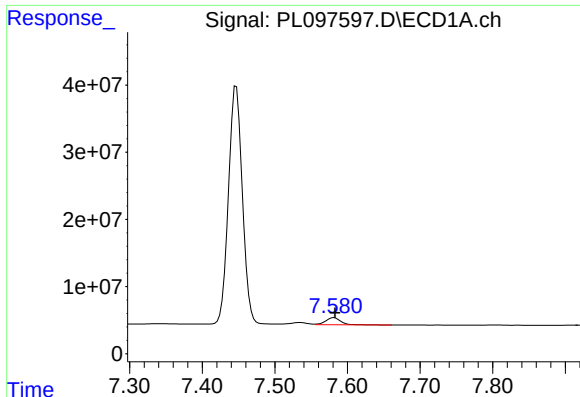
#20 Methoxychlor

R.T.: 7.447 min
Delta R.T.: -0.001 min
Response: 472113386
Conc: 226.00 ng/ml



#20 Methoxychlor

R.T.: 6.668 min
Delta R.T.: -0.002 min
Response: 711001149
Conc: 195.05 ng/ml



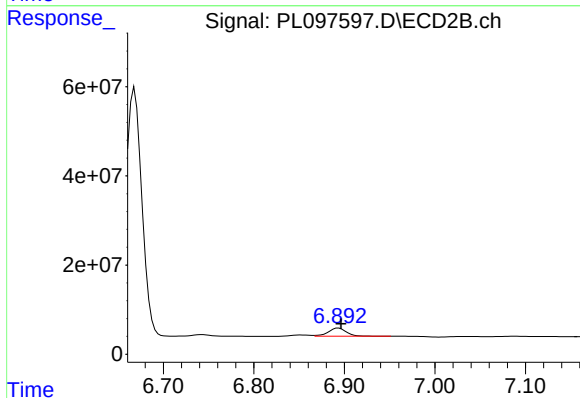
#21 Endrin ketone

R.T.: 7.581 min
Delta R.T.: -0.002 min
Response: 14663100
Conc: 3.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

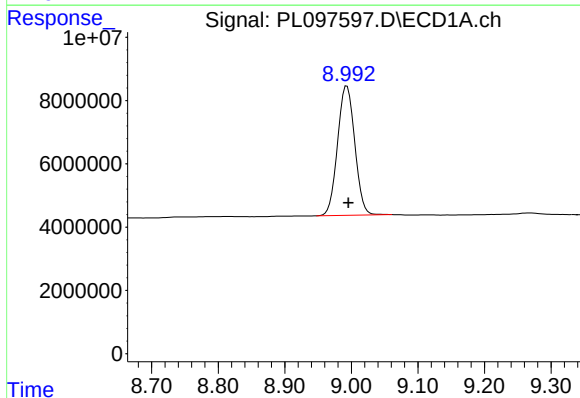
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



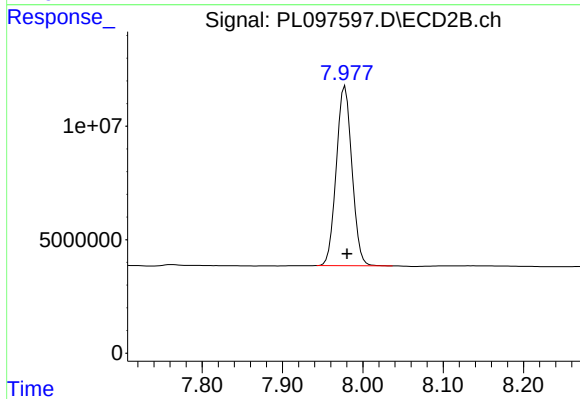
#21 Endrin ketone

R.T.: 6.894 min
Delta R.T.: -0.003 min
Response: 25855603
Conc: 3.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.993 min
Delta R.T.: -0.002 min
Response: 73476339
Conc: 24.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.978 min
Delta R.T.: -0.002 min
Response: 107136403
Conc: 20.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097525.D
Acq On : 07 Oct 2025 10:20
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_L\methods\PL100725.M
Title : GC Extractables
Last Update : Tue Oct 07 16:47:00 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.525	5.641	100.00%
5.641	5.902	100.00%
5.902	6.030	100.00%
6.030	6.153	100.00%
6.153	6.302	100.00%
6.302	7.104	100.00%
7.104	7.448	100.00%
7.448	7.583	100.00%
7.583	8.995	100.00%

Signal #2

2.822	5.041	100.00%
5.041	5.160	100.00%
5.160	5.294	100.00%
5.294	5.424	100.00%
5.424	5.512	100.00%
5.512	6.392	100.00%
6.392	6.671	100.00%
6.671	6.897	100.00%
6.897	7.980	100.00%

PL100725.M Thu Oct 16 01:54:34 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097525.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 10:20
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 14:33:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 14:32:10 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.822	67646467	105.4E6	16.593	17.318
28)	SA Decachlor...	8.995	7.980	53782225	94354815	18.086	18.183
Target Compounds							
9)	A Endosulfan I	6.030	5.160	37441659	54613982	7.531	7.406
10)	B gamma-Chl...	5.901	5.040	42248410	70420527	7.784m	8.101m
12)	B 4,4'-DDE	6.153	5.294	73113637	119.8E6	15.699	15.775
13)	MA Dieldrin	6.302	5.423	81772577	129.6E6	15.545	15.671m
19)	B Endosulfa...	7.104	6.392	64771841	109.8E6	16.153	16.490
20)	A Methoxychlor	7.447	6.671	169.8E6	281.1E6	81.276m	77.102
21)	B Endrin ke...	7.583	6.897	67408282	175.3E6	15.743	22.187 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

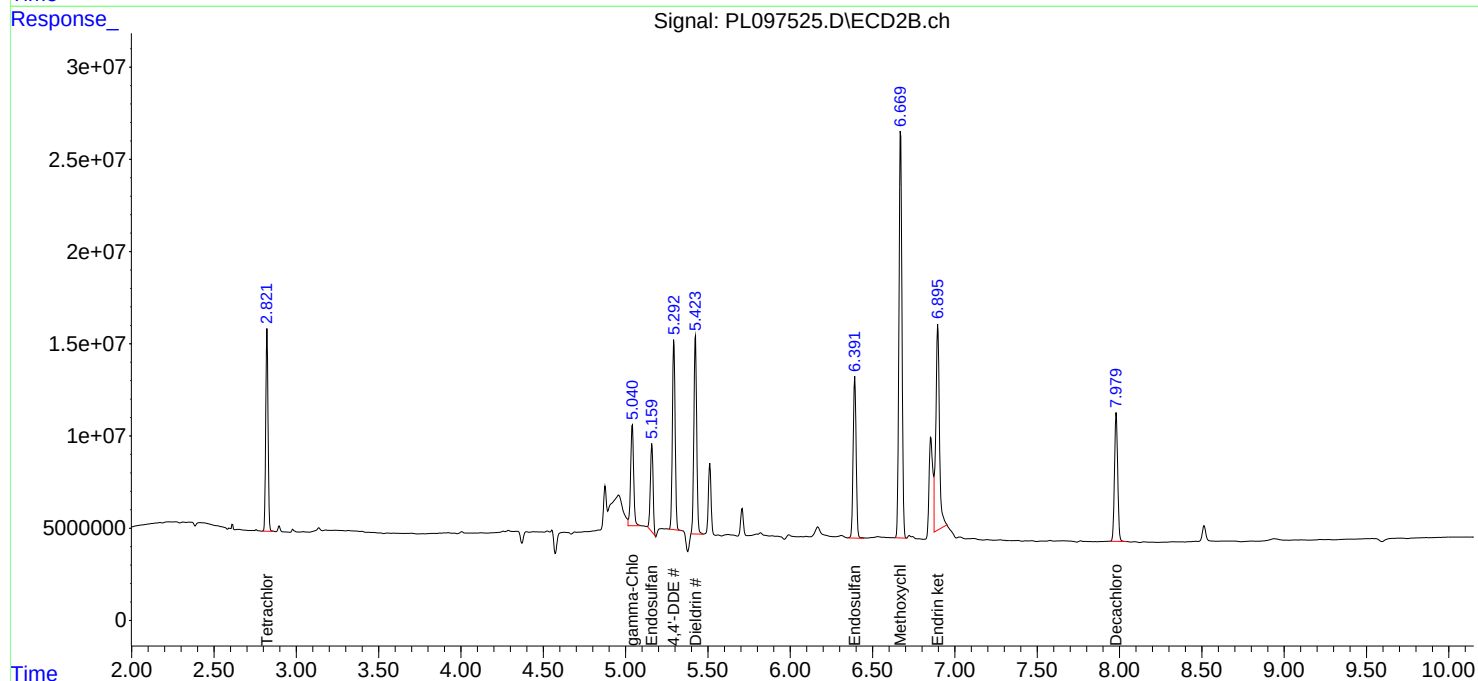
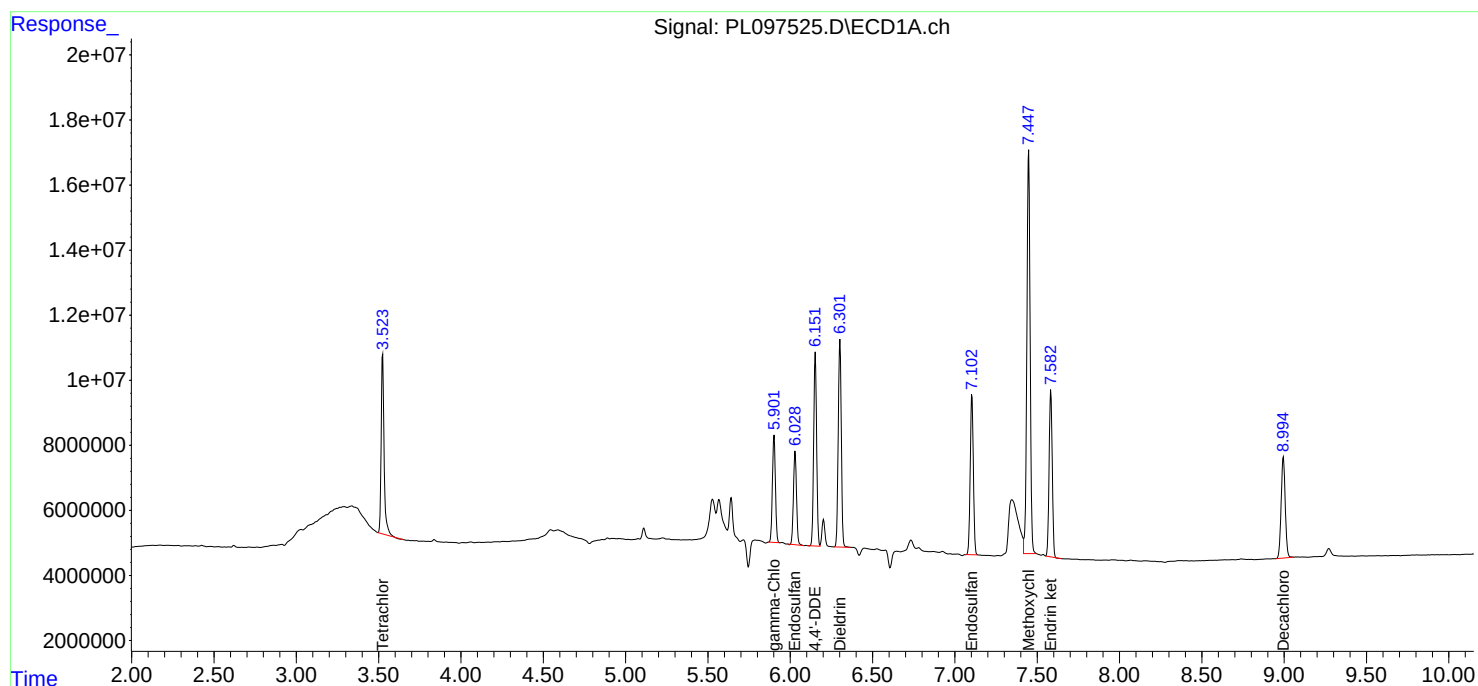
Instrument :
ECD_L
ClientSampleId :
RESCHK

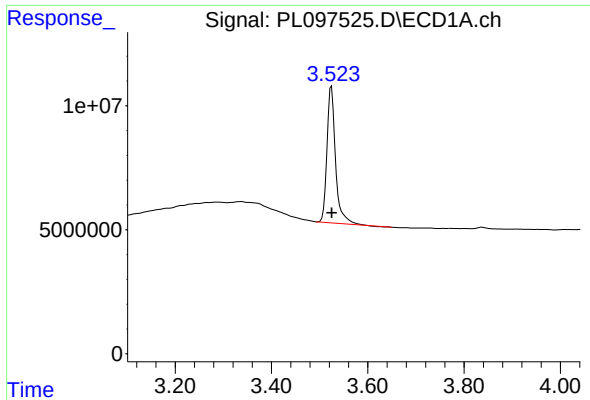
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 14:33:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 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 x0.25µm





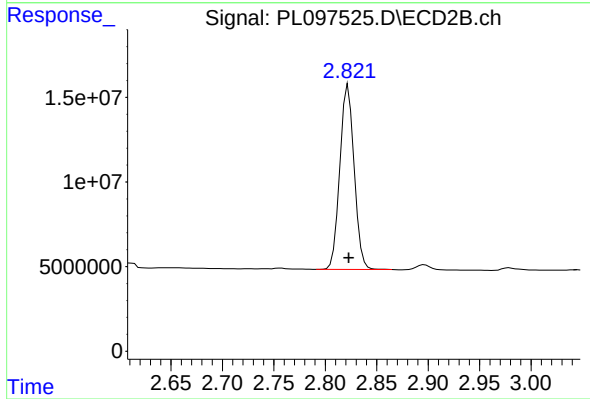
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 67646467
Conc: 16.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

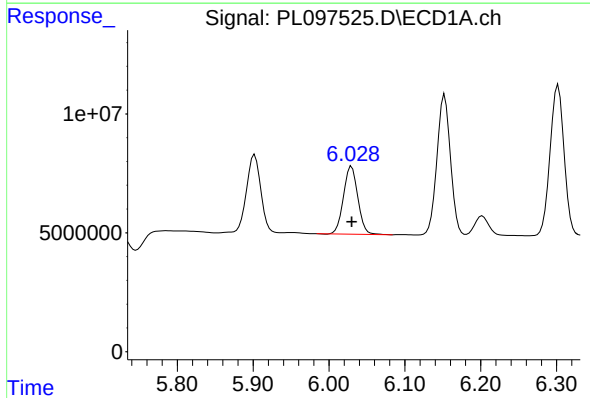
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



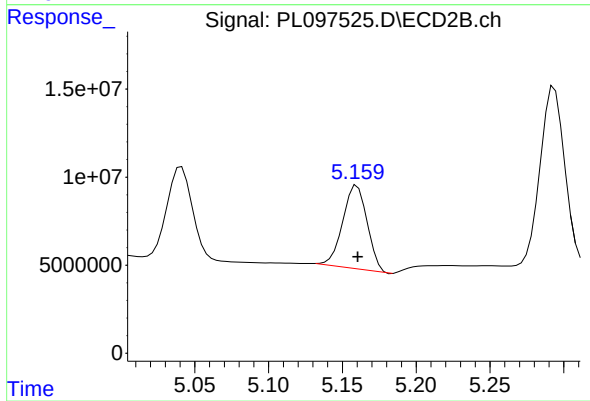
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 105407248
Conc: 17.32 ng/ml



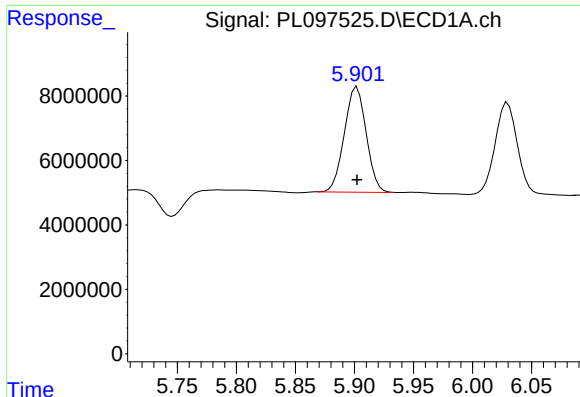
#9 Endosulfan I

R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 37441659
Conc: 7.53 ng/ml



#9 Endosulfan I

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 54613982
Conc: 7.41 ng/ml



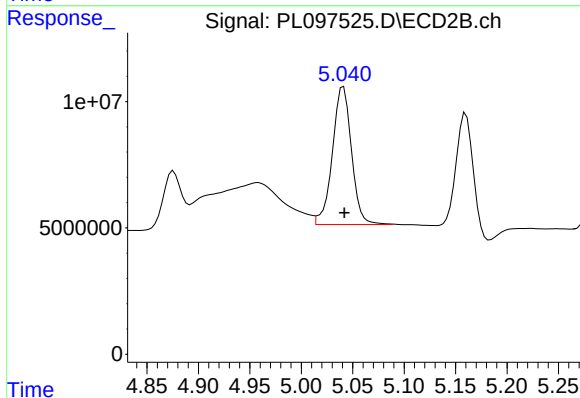
#10 gamma-Chlordane

R.T.: 5.901 min
Delta R.T.: -0.001 min
Response: 42248410
Conc: 7.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

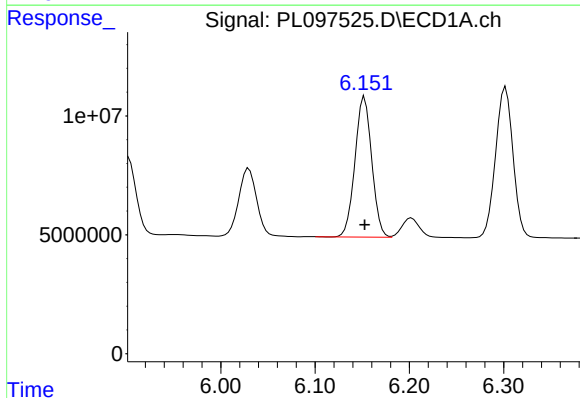
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



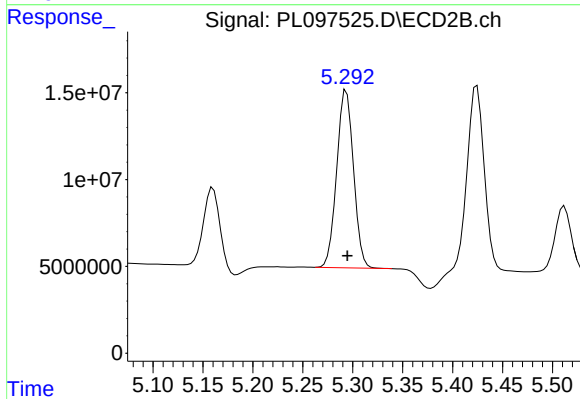
#10 gamma-Chlordane

R.T.: 5.040 min
Delta R.T.: -0.002 min
Response: 70420527
Conc: 8.10 ng/ml m



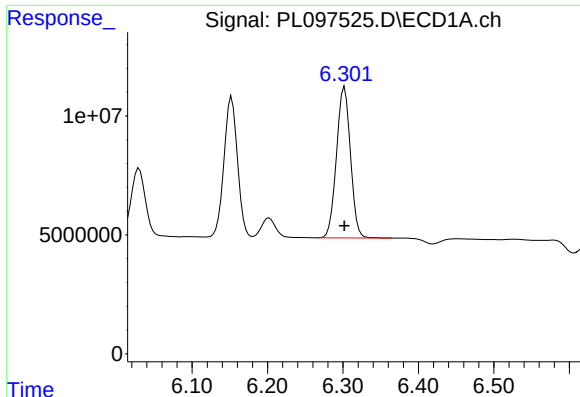
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 73113637
Conc: 15.70 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: 0.000 min
Response: 119768689
Conc: 15.77 ng/ml



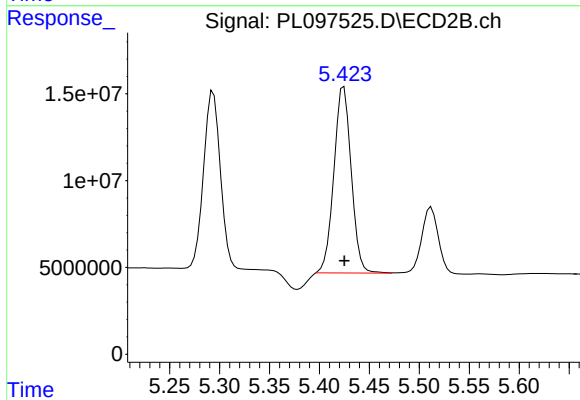
#13 Dieldrin

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 81772577
Conc: 15.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

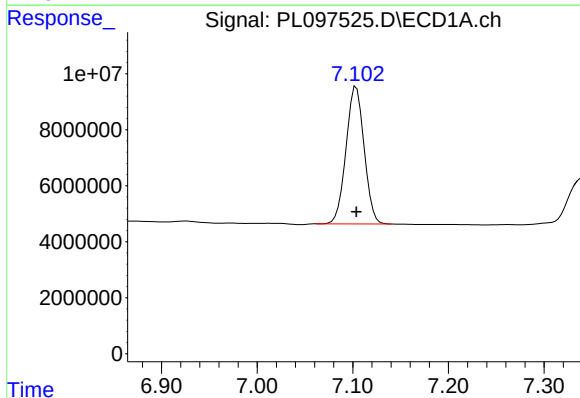
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



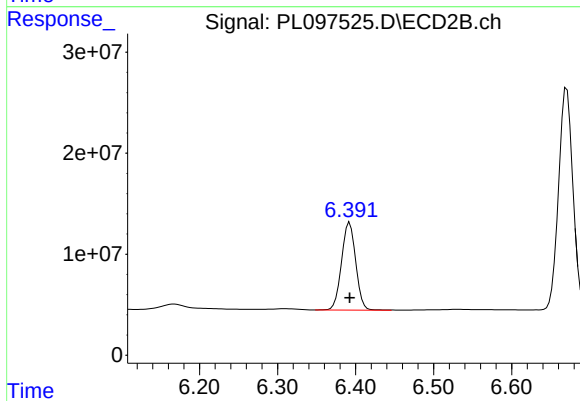
#13 Dieldrin

R.T.: 5.423 min
Delta R.T.: -0.002 min
Response: 129569176
Conc: 15.67 ng/ml m



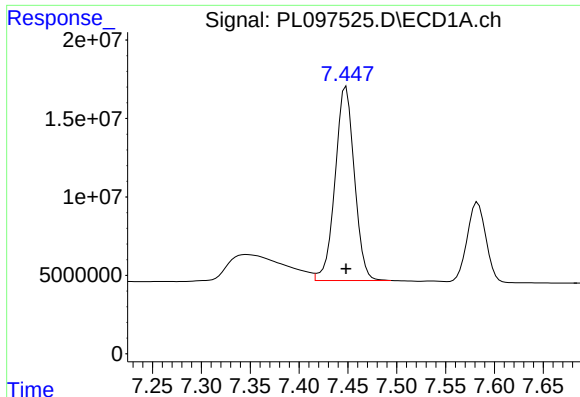
#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 64771841
Conc: 16.15 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 109788002
Conc: 16.49 ng/ml



#20 Methoxychlor

R.T.: 7.447 min
Delta R.T.: -0.001 min
Response: 169785396
Conc: 81.28 ng/ml

Instrument :

ECD_L

ClientSampleId :

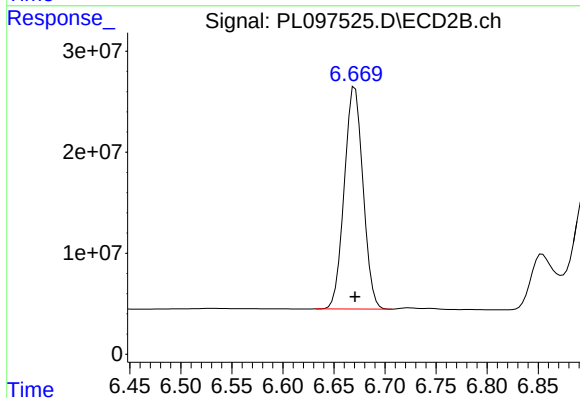
RESCHK

Manual Integrations

APPROVED

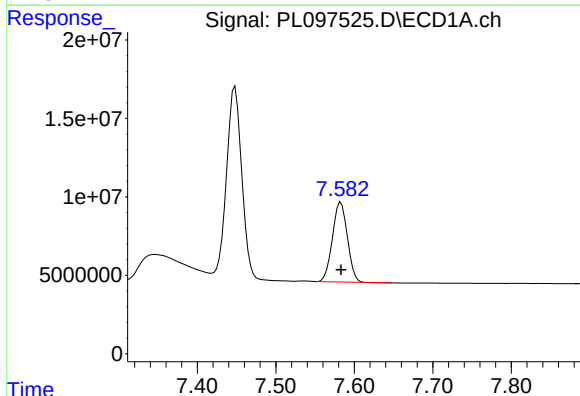
Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025



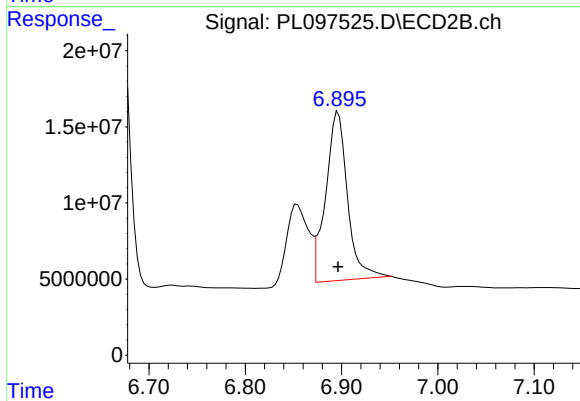
#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 281053913
Conc: 77.10 ng/ml



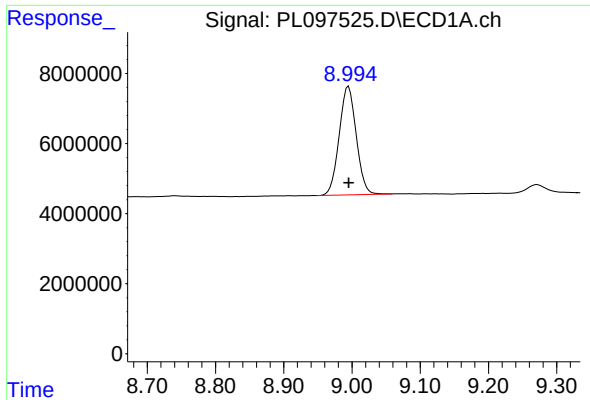
#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: 0.000 min
Response: 67408282
Conc: 15.74 ng/ml



#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: 0.000 min
Response: 175275409
Conc: 22.19 ng/ml



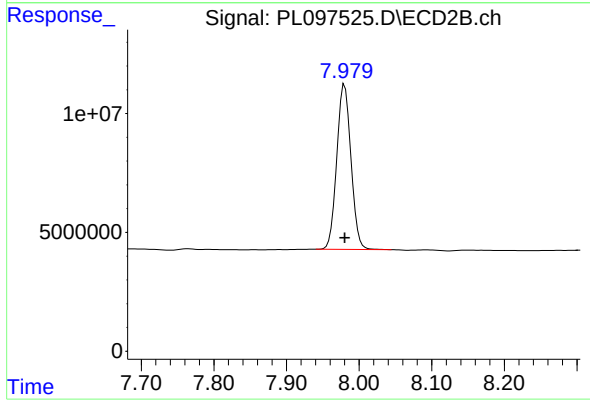
#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 53782225
Conc: 18.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 94354815
Conc: 18.18 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3321

Project: RFP 918

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/07/2025 10/07/2025

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	10/07/2025	09:53	PL097523.D	9.00	3.52
PEM	PEM	10/07/2025	10:06	PL097524.D	9.00	3.53
RESCHK	RESCHK	10/07/2025	10:20	PL097525.D	9.00	3.53
PSTDICCC100	PSTDICCC100	10/07/2025	10:33	PL097526.D	9.00	3.53
PSTDICCC075	PSTDICCC075	10/07/2025	10:47	PL097527.D	9.00	3.52
PSTDICCC050	PSTDICCC050	10/07/2025	11:00	PL097528.D	9.00	3.53
PSTDICCC025	PSTDICCC025	10/07/2025	11:41	PL097529.D	9.00	3.53
PSTDICCC005	PSTDICCC005	10/07/2025	11:55	PL097530.D	9.00	3.53
PCHLORICC500	PCHLORICC500	10/07/2025	13:05	PL097533.D	9.00	3.52
PTOXICC500	PTOXICC500	10/07/2025	14:13	PL097538.D	9.00	3.53
IBLK	IBLK	10/10/2025	10:11	PL097596.D	8.99	3.52
PEM	PEM	10/10/2025	10:24	PL097597.D	8.99	3.52
PSTDCCC050	PSTDCCC050	10/10/2025	13:05	PL097598.D	9.00	3.52
PB170054BL	PB170054BL	10/10/2025	13:44	PL097599.D	9.00	3.53
SS-01-0-1MS	Q3310-01MS	10/10/2025	14:25	PL097602.D	8.99	3.52
SS-01-0-1MSD	Q3310-01MSD	10/10/2025	14:38	PL097603.D	8.99	3.52
P001-DS-01	Q3321-01	10/10/2025	15:05	PL097605.D	8.99	3.53
PB170054BS	PB170054BS	10/10/2025	16:51	PL097608.D	9.00	3.52
IBLK	IBLK	10/10/2025	17:07	PL097609.D	9.00	3.52
PSTDCCC050	PSTDCCC050	10/10/2025	17:20	PL097610.D	8.99	3.52

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3321

Project: RFP 918

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/07/2025 10/07/2025

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	10/07/2025	09:53	PL097523.D	7.98	2.82
PEM	PEM	10/07/2025	10:06	PL097524.D	7.98	2.82
RESCHK	RESCHK	10/07/2025	10:20	PL097525.D	7.98	2.82
PSTDICC100	PSTDICC100	10/07/2025	10:33	PL097526.D	7.98	2.82
PSTDICC075	PSTDICC075	10/07/2025	10:47	PL097527.D	7.98	2.82
PSTDICC050	PSTDICC050	10/07/2025	11:00	PL097528.D	7.98	2.82
PSTDICC025	PSTDICC025	10/07/2025	11:41	PL097529.D	7.98	2.82
PSTDICC005	PSTDICC005	10/07/2025	11:55	PL097530.D	7.98	2.82
PCHLORICC500	PCHLORICC500	10/07/2025	13:05	PL097533.D	7.98	2.82
PTOXICC500	PTOXICC500	10/07/2025	14:13	PL097538.D	7.98	2.82
IBLK	IBLK	10/10/2025	10:11	PL097596.D	7.98	2.82
PEM	PEM	10/10/2025	10:24	PL097597.D	7.98	2.82
PSTDCCC050	PSTDCCC050	10/10/2025	13:05	PL097598.D	7.98	2.82
PB170054BL	PB170054BL	10/10/2025	13:44	PL097599.D	7.98	2.82
SS-01-0-1MS	Q3310-01MS	10/10/2025	14:25	PL097602.D	7.98	2.82
SS-01-0-1MSD	Q3310-01MSD	10/10/2025	14:38	PL097603.D	7.98	2.82
P001-DS-01	Q3321-01	10/10/2025	15:05	PL097605.D	7.98	2.82
PB170054BS	PB170054BS	10/10/2025	16:51	PL097608.D	7.98	2.82
IBLK	IBLK	10/10/2025	17:07	PL097609.D	7.98	2.82
PSTDCCC050	PSTDCCC050	10/10/2025	17:20	PL097610.D	7.98	2.82

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-DS-01

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3321-01

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.53	6.48	6.58	0.71	82.5
	2	5.71	5.66	5.76	0.29	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170054BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170054BS

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.74	6.69	6.79	17.8	0.6
	2	5.99	5.94	6.04	17.7	
Endrin aldehyde	1	6.87	6.82	6.92	18.8	17.3
	2	6.17	6.12	6.22	15.8	
Endosulfan sulfate	1	7.10	7.05	7.15	18.7	8.4
	2	6.39	6.34	6.44	17.2	
Methoxychlor	1	7.45	7.40	7.50	16.6	10.1
	2	6.67	6.62	6.72	15.0	
Endrin ketone	1	7.58	7.53	7.63	19.1	17
	2	6.90	6.85	6.95	16.1	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	19.7	2.6
	2	3.66	3.61	3.71	19.2	
Heptachlor	1	4.89	4.84	4.94	18.6	2.2
	2	4.00	3.95	4.05	18.2	
delta-BHC	1	4.73	4.68	4.78	19.5	2.1
	2	4.19	4.14	4.24	19.1	
Heptachlor epoxide	1	5.65	5.60	5.70	18.1	6.9
	2	4.79	4.74	4.84	19.4	
Endosulfan I	1	6.03	5.98	6.08	19.1	4.3
	2	5.16	5.11	5.21	18.3	
gamma-Chlordane	1	5.90	5.85	5.95	19.4	9.2
	2	5.04	4.99	5.09	17.7	
Dieldrin	1	6.30	6.25	6.35	19.3	8.1
	2	5.42	5.37	5.47	17.8	
Endrin	1	6.53	6.48	6.58	17.9	7.5
	2	5.70	5.65	5.75	16.6	
4,4'-DDD	1	6.66	6.61	6.71	20.5	9.2
	2	5.85	5.80	5.90	18.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170054BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170054BS

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.98	6.93	7.03	17.6	7.7
	2	6.10	6.05	6.15	16.3	
alpha-BHC	1	3.97	3.92	4.02	19.7	1.5
	2	3.33	3.28	3.38	19.4	
Aldrin	1	5.23	5.18	5.28	19.3	2.6
	2	4.29	4.24	4.34	18.8	
beta-BHC	1	4.49	4.44	4.54	19.8	7.9
	2	3.95	3.90	4.00	18.3	
alpha-Chlordane	1	5.98	5.93	6.03	19.0	6
	2	5.10	5.05	5.15	17.9	
4,4'-DDE	1	6.15	6.10	6.20	19.8	6.8
	2	5.29	5.24	5.34	18.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3310-01MS

Date(s) Analyzed: 10/10/2025

10/10/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.66	6.61	6.71	23.9	40.8
	2	5.85	5.80	5.90	15.8	
4,4'-DDT	1	6.97	6.92	7.02	22.9	23.4
	2	6.10	6.05	6.15	18.1	
alpha-BHC	1	3.97	3.92	4.02	19.8	12.9
	2	3.33	3.28	3.38	17.4	
Aldrin	1	5.23	5.18	5.28	19.6	13.6
	2	4.29	4.24	4.34	17.1	
beta-BHC	1	4.49	4.44	4.54	18.3	13.4
	2	3.95	3.90	4.00	16.0	
alpha-Chlordane	1	5.98	5.93	6.03	23.6	28
	2	5.10	5.05	5.15	17.8	
4,4'-DDE	1	6.15	6.10	6.20	20.3	22.5
	2	5.29	5.24	5.34	16.2	
Endosulfan II	1	6.74	6.69	6.79	17.9	9.4
	2	5.99	5.94	6.04	16.3	
Endrin aldehyde	1	6.87	6.82	6.92	19.7	23.9
	2	6.17	6.12	6.22	15.5	
Endosulfan sulfate	1	7.10	7.05	7.15	23.3	6.7
	2	6.39	6.34	6.44	21.8	
Methoxychlor	1	7.45	7.40	7.50	25.8	34.5
	2	6.67	6.62	6.72	18.2	
Endrin ketone	1	7.58	7.53	7.63	22.8	54
	2	6.90	6.85	6.95	13.1	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	19.9	6.8
	2	3.66	3.61	3.71	18.6	
Heptachlor	1	4.89	4.84	4.94	19.9	17.5
	2	4.01	3.96	4.06	16.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3310-01MS

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.73	4.68	4.78	21.0	19.3
	2	4.19	4.14	4.24	17.3	
Heptachlor epoxide	1	5.65	5.60	5.70	20.5	20.4
	2	4.79	4.74	4.84	16.7	
Endosulfan I	1	6.03	5.98	6.08	20.5	24
	2	5.16	5.11	5.21	16.1	
gamma-Chlordane	1	5.90	5.85	5.95	24.6	16.7
	2	5.04	4.99	5.09	20.8	
Dieldrin	1	6.30	6.25	6.35	24.6	25.7
	2	5.42	5.37	5.47	19.0	
Endrin	1	6.53	6.48	6.58	19.7	24.5
	2	5.70	5.65	5.75	15.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3310-01MSD

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.74	6.69	6.79	18.3	8
	2	5.99	5.94	6.04	16.9	
4,4'-DDD	1	6.66	6.61	6.71	25.4	43.1
	2	5.85	5.80	5.90	16.4	
4,4'-DDT	1	6.97	6.92	7.02	24.1	24.2
	2	6.10	6.05	6.15	18.9	
Endrin aldehyde	1	6.87	6.82	6.92	20.8	27.3
	2	6.17	6.12	6.22	15.8	
Endosulfan sulfate	1	7.10	7.05	7.15	24.8	9.3
	2	6.39	6.34	6.44	22.6	
Methoxychlor	1	7.45	7.40	7.50	27.2	35
	2	6.67	6.62	6.72	19.1	
Endrin ketone	1	7.58	7.53	7.63	24.0	56
	2	6.90	6.85	6.95	13.5	
alpha-BHC	1	3.97	3.92	4.02	21.4	14
	2	3.33	3.28	3.38	18.6	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	21.5	8.2
	2	3.66	3.61	3.71	19.8	
Heptachlor	1	4.89	4.84	4.94	20.5	14.7
	2	4.01	3.96	4.06	17.7	
Aldrin	1	5.23	5.18	5.28	21.3	11.4
	2	4.29	4.24	4.34	19.0	
beta-BHC	1	4.49	4.44	4.54	19.5	16.7
	2	3.96	3.91	4.01	16.5	
delta-BHC	1	4.73	4.68	4.78	22.3	19.2
	2	4.19	4.14	4.24	18.4	
Heptachlor epoxide	1	5.65	5.60	5.70	21.4	19.5
	2	4.79	4.74	4.84	17.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3310-01MSD

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.03	5.98	6.08	22.5	27.8
	2	5.16	5.11	5.21	17.0	
gamma-Chlordane	1	5.90	5.85	5.95	24.8	12.4
	2	5.04	4.99	5.09	21.9	
alpha-Chlordane	1	5.98	5.93	6.03	24.3	26
	2	5.11	5.06	5.16	18.7	
4,4'-DDE	1	6.15	6.10	6.20	21.3	22.5
	2	5.29	5.24	5.34	17.0	
Dieldrin	1	6.30	6.25	6.35	27.5	32.1
	2	5.42	5.37	5.47	19.9	
Endrin	1	6.53	6.48	6.58	20.9	27.2
	2	5.70	5.65	5.75	15.9	



QC SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	PB170054BL	SDG No.:	Q3321
Lab Sample ID:	PB170054BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097599.D	1	10/10/25 09:06	10/10/25 13:44	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		20 - 144	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		19 - 148	93%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	PB170054BL	SDG No.:	Q3321
Lab Sample ID:	PB170054BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:		Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097599.D	1	10/10/25 09:06	10/10/25 13:44	PB170054

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:44
Operator : AR\AJ
Sample : PB170054BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB170054BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.819	75771760	103.0E6	18.586	16.926
28)	SA Decachlor...	8.998	7.979	61337373	88329053	20.627	17.022

Target Compounds

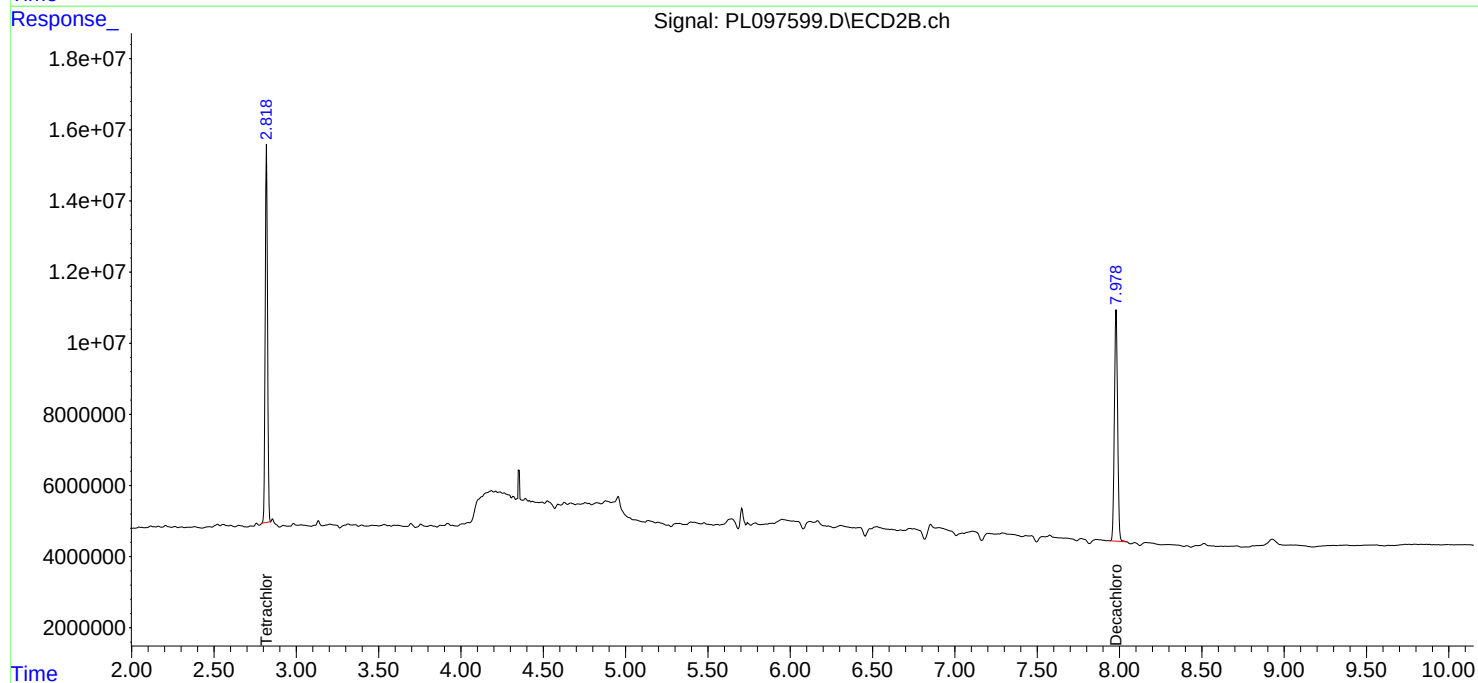
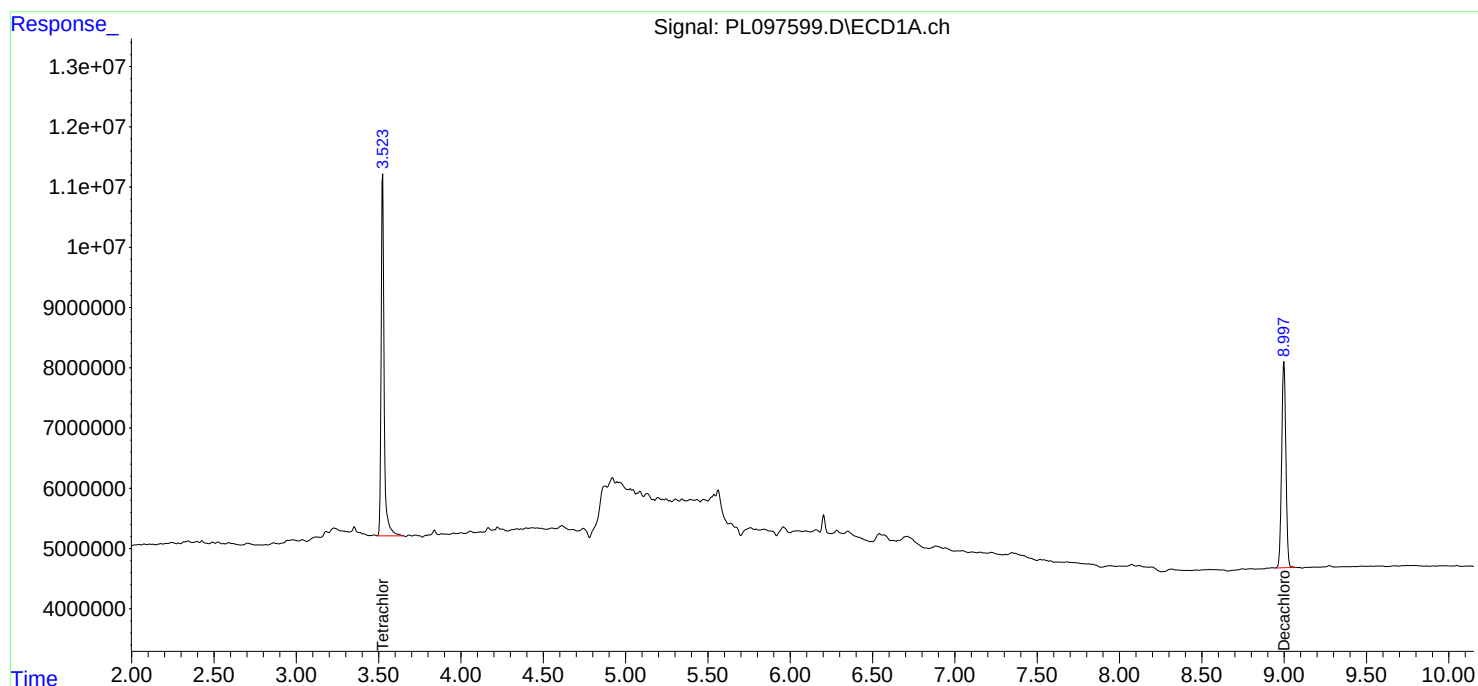
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

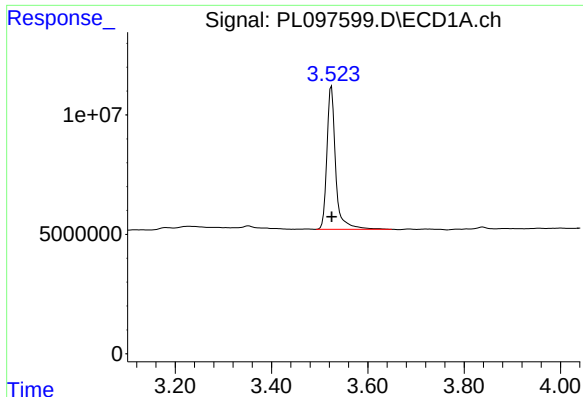
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:44
Operator : AR\AJ
Sample : PB170054BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB170054BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

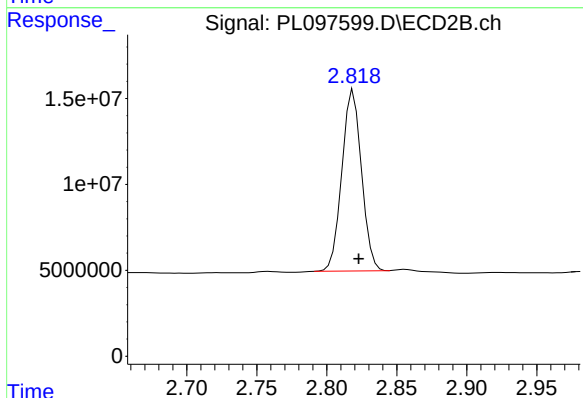




#1 Tetrachloro-m-xylene

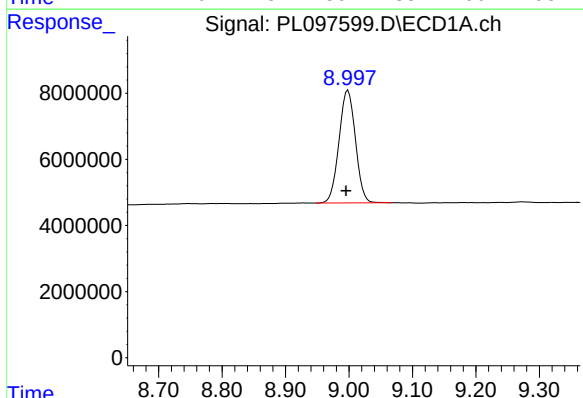
R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 75771760
Conc: 18.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BL



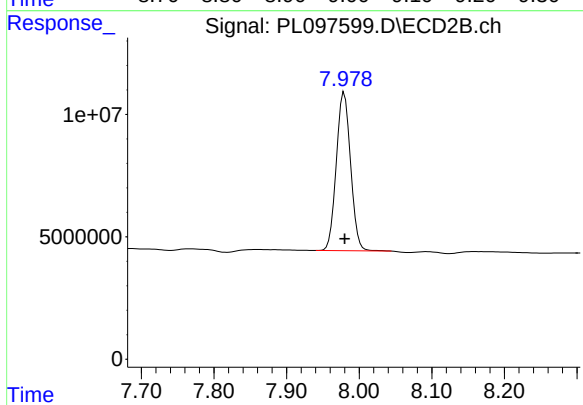
#1 Tetrachloro-m-xylene

R.T.: 2.819 min
Delta R.T.: -0.004 min
Response: 103018719
Conc: 16.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: 0.003 min
Response: 61337373
Conc: 20.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 88329053
Conc: 17.02 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/07/25
Client Sample ID:	PIBLK-PL097523.D	SDG No.:	Q3321
Lab Sample ID:	I.BLK-PL097523.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097523.D	1		10/07/25	PL100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		57 - 171	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		61 - 148	97%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/07/25
Client Sample ID:	PIBLK-PL097523.D	SDG No.:	Q3321
Lab Sample ID:	I.BLK-PL097523.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097523.D	1		10/07/25	PL100725

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 09:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 14:33:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.524	2.822	78343871	117.7E6	19.217	19.341
28)	SA Decachlor...	8.995	7.979	63482543	107.1E6	21.348	20.633

Target Compounds

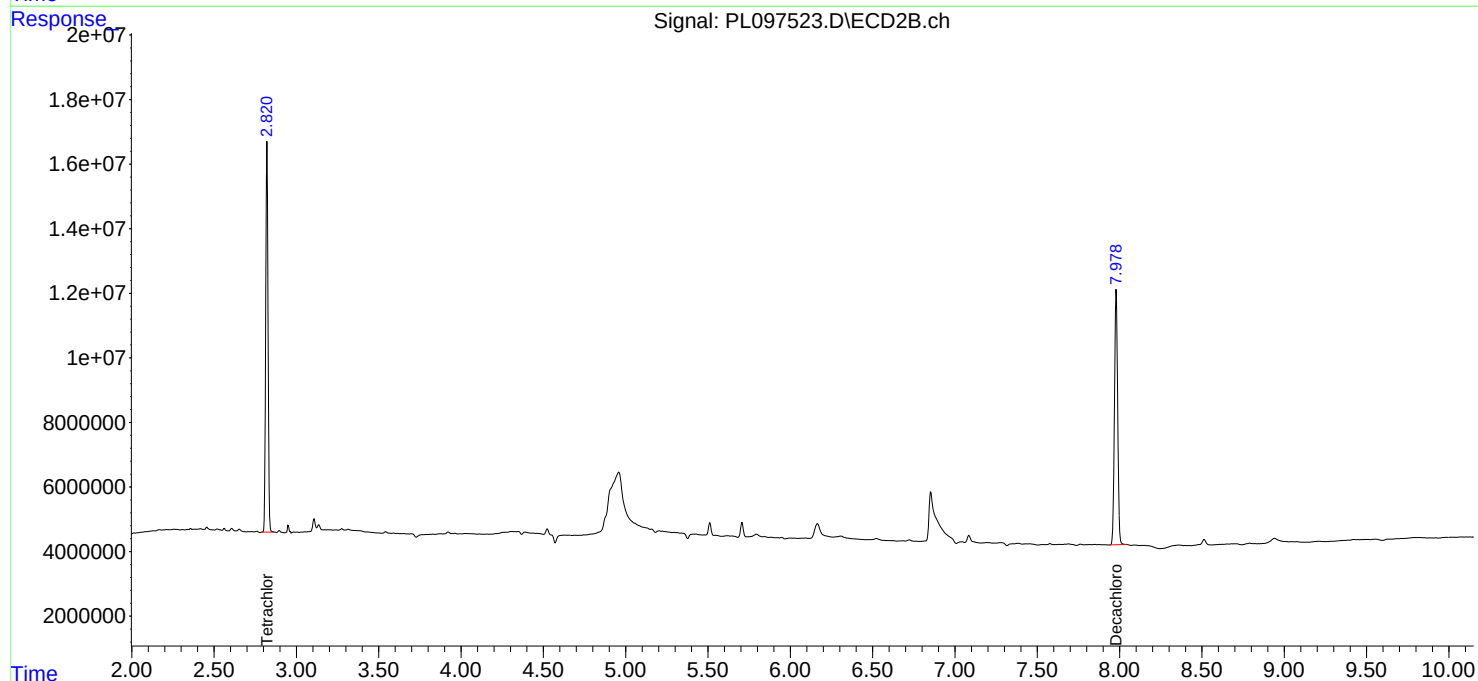
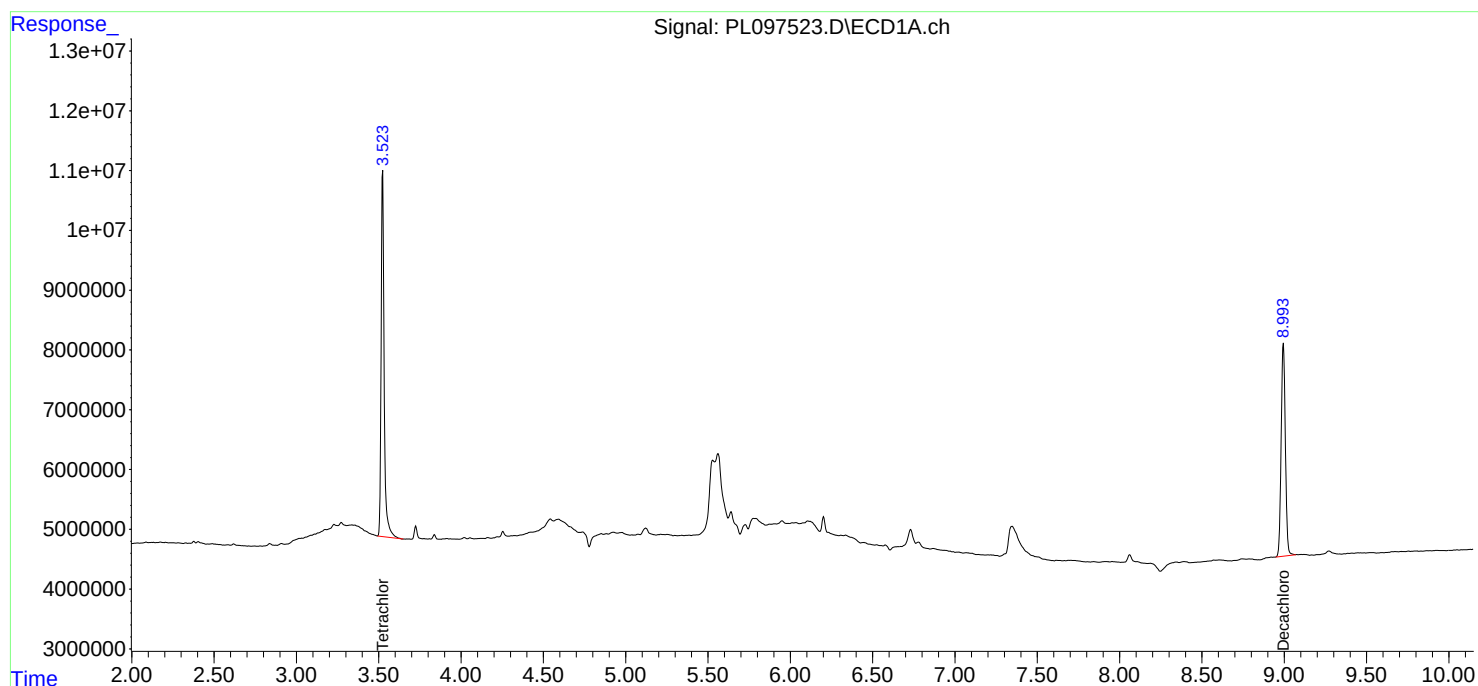
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

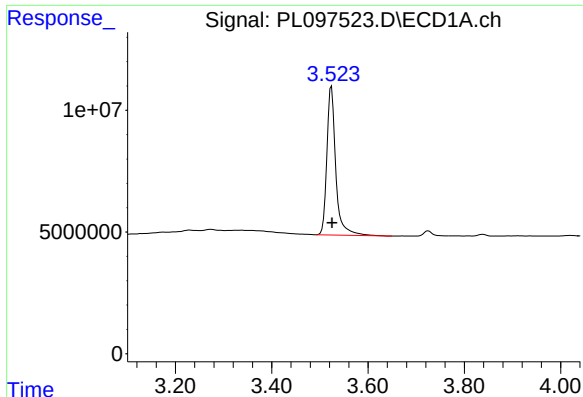
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 09:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 14:33:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 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 x0.25µm

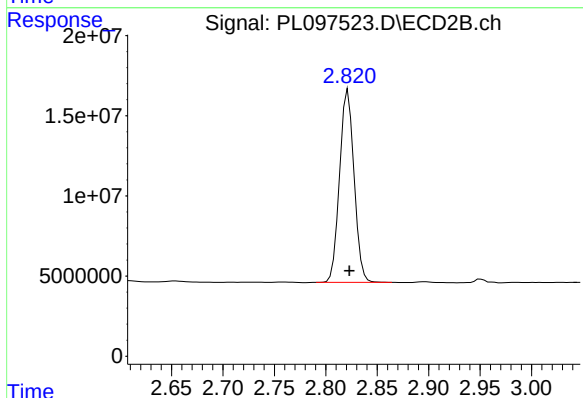




#1 Tetrachloro-m-xylene

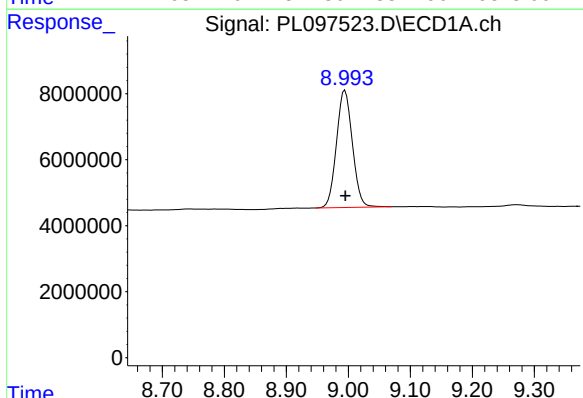
R.T.: 3.524 min
Delta R.T.: 0.000 min
Response: 78343871
Conc: 19.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



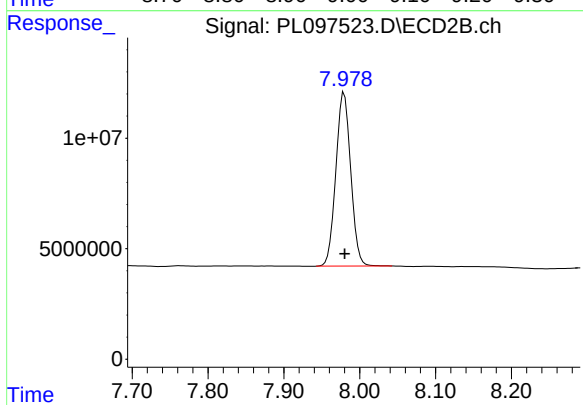
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 117720292
Conc: 19.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 63482543
Conc: 21.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 107064301
Conc: 20.63 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/10/25
Project:	RFP 918	Date Received:	10/10/25
Client Sample ID:	PIBLK-PL097596.D	SDG No.:	Q3321
Lab Sample ID:	I.BLK-PL097596.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097596.D	1		10/10/25	PL101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.3		57 - 171	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		61 - 148	115%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/10/25	
Project:	RFP 918		Date Received:	10/10/25	
Client Sample ID:	PIBLK-PL097596.D		SDG No.:	Q3321	
Lab Sample ID:	I.BLK-PL097596.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097596.D	1		10/10/25	PL101025

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.523	2.821	93609946	129.4E6	22.962	21.254
28)	SA Decachlor...	8.994	7.977	72140120	102.3E6	24.260	19.705

Target Compounds

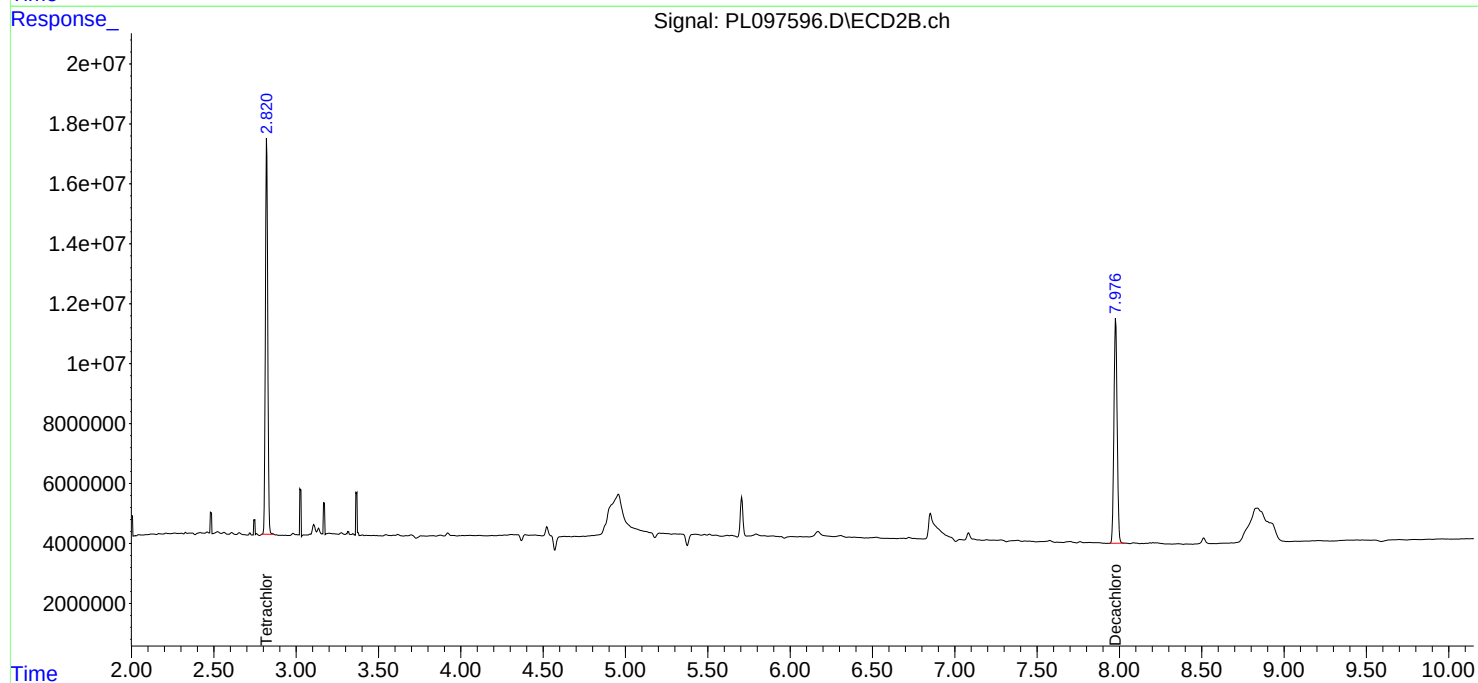
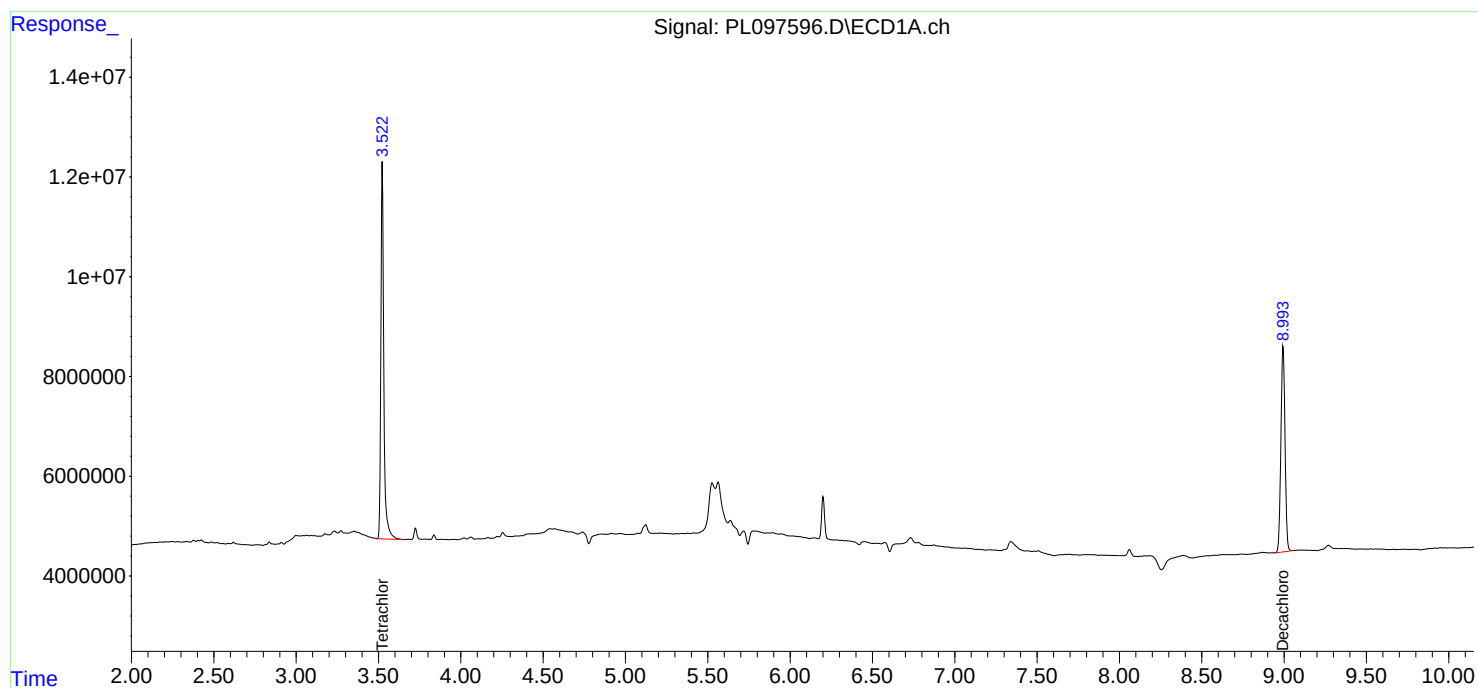
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

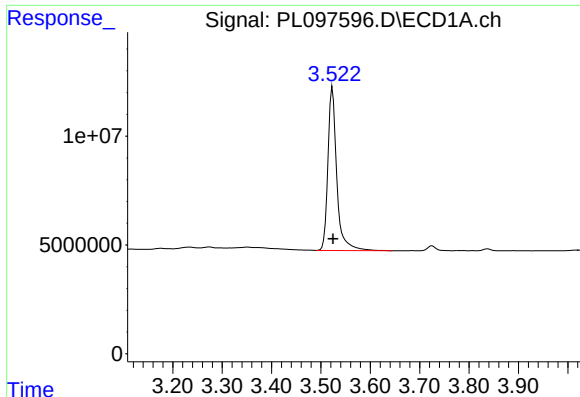
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

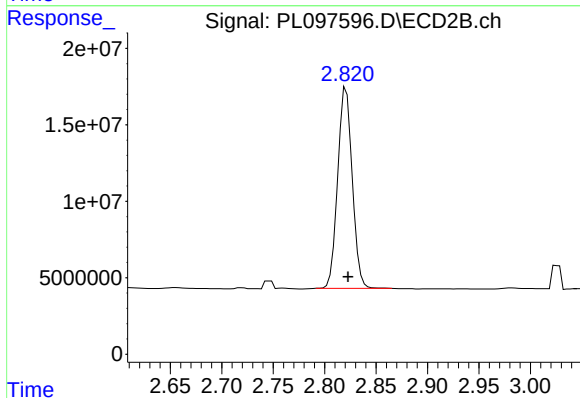




#1 Tetrachloro-m-xylene

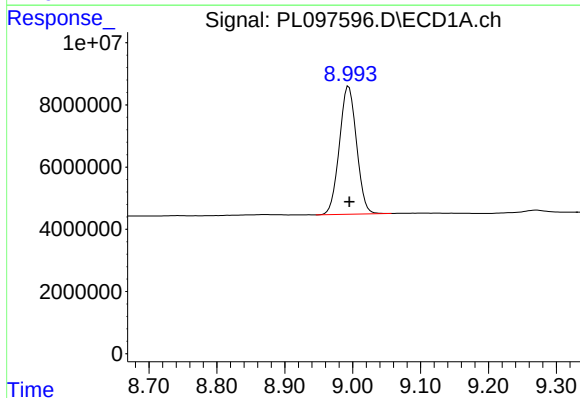
R.T.: 3.523 min
Delta R.T.: -0.002 min
Response: 93609946
Conc: 22.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



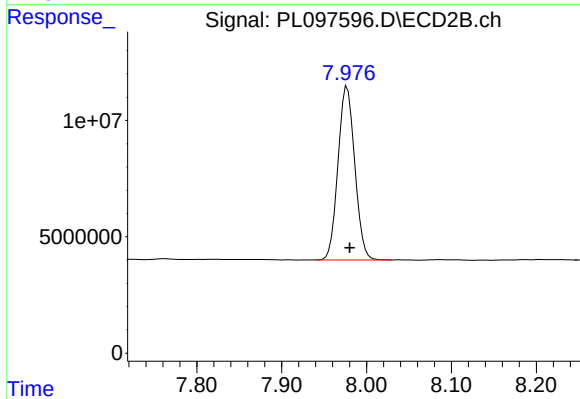
#1 Tetrachloro-m-xylene

R.T.: 2.821 min
Delta R.T.: -0.002 min
Response: 129361711
Conc: 21.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.994 min
Delta R.T.: -0.001 min
Response: 72140120
Conc: 24.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.977 min
Delta R.T.: -0.003 min
Response: 102252819
Conc: 19.71 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/10/25
Project:	RFP 918	Date Received:	10/10/25
Client Sample ID:	PIBLK-PL097609.D	SDG No.:	Q3321
Lab Sample ID:	I.BLK-PL097609.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097609.D	1		10/10/25	pl101025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.3		57 - 171	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		61 - 148	113%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/10/25
Project:	RFP 918	Date Received:	10/10/25
Client Sample ID:	PIBLK-PL097609.D	SDG No.:	Q3321
Lab Sample ID:	I.BLK-PL097609.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097609.D	1		10/10/25	p1101025

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:07
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:20:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.523	2.820	91905006	133.0E6	22.544	21.847
28) SA Decachlor...	8.995	7.979	72302254	102.9E6	24.314	19.827

Target Compounds

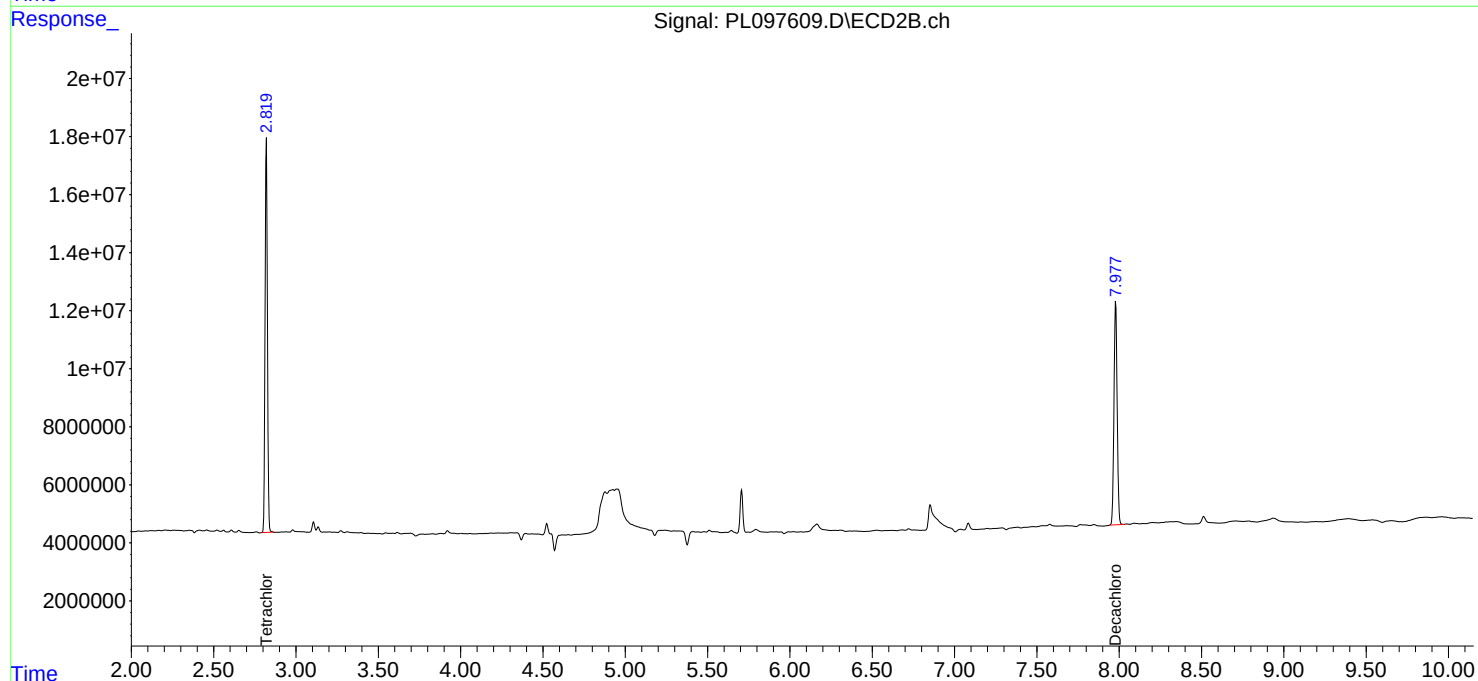
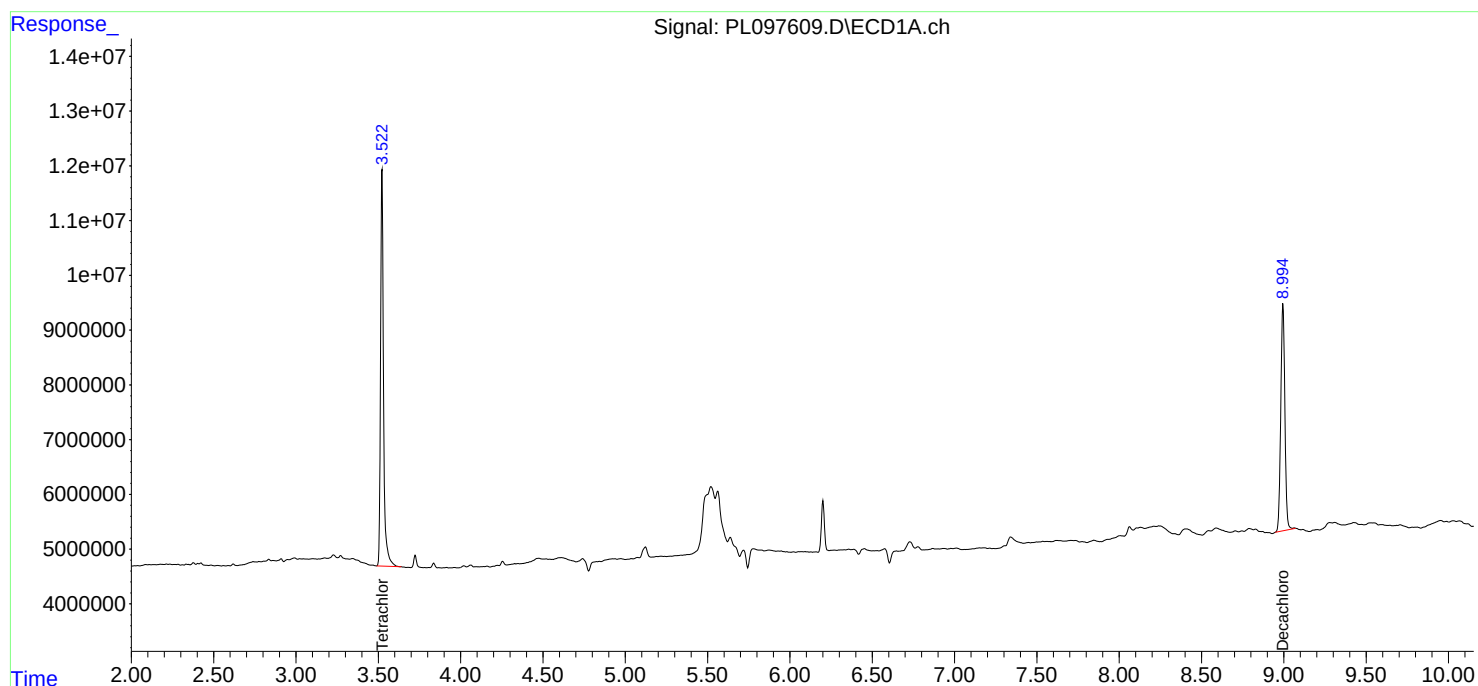
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:07
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

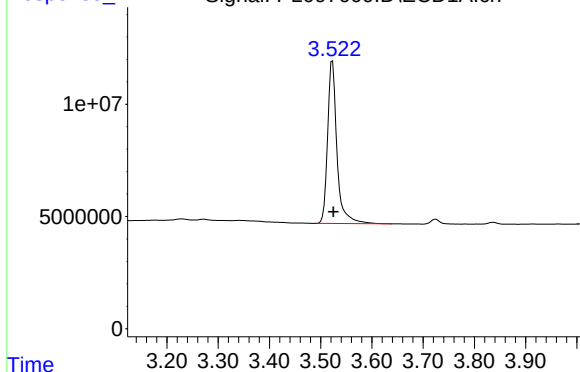
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:20:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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 x0.25µm



Signal: PL097609.D\ECD1A.ch

#1 Tetrachloro-m-xylene

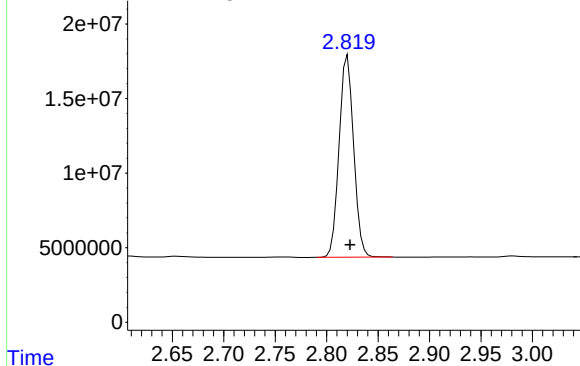


R.T.: 3.523 min
Delta R.T.: -0.002 min
Response: 91905006
Conc: 22.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

Signal: PL097609.D\ECD2B.ch

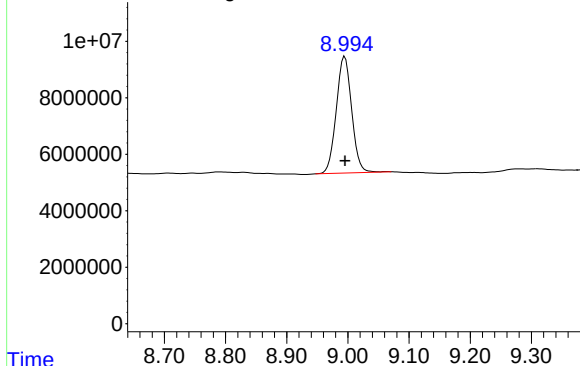
#1 Tetrachloro-m-xylene



R.T.: 2.820 min
Delta R.T.: -0.002 min
Response: 132970919
Conc: 21.85 ng/ml

Signal: PL097609.D\ECD1A.ch

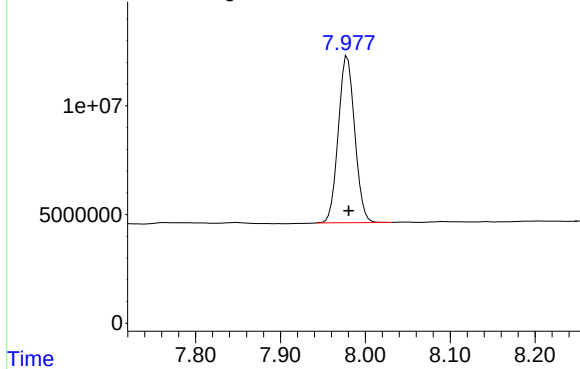
#28 Decachlorobiphenyl



R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 72302254
Conc: 24.31 ng/ml

Signal: PL097609.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.979 min
Delta R.T.: -0.001 min
Response: 102882489
Conc: 19.83 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	PB170054BS	SDG No.:	Q3321
Lab Sample ID:	PB170054BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097608.D	1	10/10/25 09:06	10/10/25 16:51	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.7		0.13	1.70	ug/kg
319-85-7	beta-BHC	19.8		0.18	1.70	ug/kg
319-86-8	delta-BHC	19.5		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	19.7		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.6		0.12	1.70	ug/kg
309-00-2	Aldrin	19.3		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	19.4		0.19	1.70	ug/kg
959-98-8	Endosulfan I	19.1		0.14	1.70	ug/kg
60-57-1	Dieldrin	19.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	19.8		0.14	1.70	ug/kg
72-20-8	Endrin	17.9		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.8		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.5		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.7		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.6		0.14	1.70	ug/kg
72-43-5	Methoxychlor	16.6		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.1		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	18.8		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	19.0		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	19.4		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		20 - 144	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		19 - 148	105%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 918		Date Received:		
Client Sample ID:	PB170054BS		SDG No.:	Q3321	
Lab Sample ID:	PB170054BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097608.D	1	10/10/25 09:06	10/10/25 16:51	PB170054

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:51
Operator : AR\AJ
Sample : PB170054BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB170054BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:20:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.523	2.820	85868011	126.3E6	21.063	20.753
28)	SA Decachlor...	8.996	7.979	66116333	94339039	22.234	18.180
Target Compounds							
2)	A alpha-BHC	3.970	3.325	399.3E6	574.3E6	59.197	58.200
3)	MA gamma-BHC...	4.298	3.657	375.2E6	530.3E6	59.035	57.724
4)	MA Heptachlor	4.889	4.004	360.8E6	502.8E6	55.934	54.699
5)	MB Aldrin	5.228	4.286	348.1E6	490.4E6	57.893	56.553
6)	B beta-BHC	4.486	3.953	153.8E6	218.9E6	59.468	55.022
7)	B delta-BHC	4.731	4.185	355.8E6	518.8E6	58.598	57.428
8)	B Heptachlo...	5.648	4.788	316.3E6	459.6E6	54.324	58.189
9)	A Endosulfan I	6.030	5.159	285.3E6	404.2E6	57.386	54.814
10)	B gamma-Chl...	5.902	5.040	316.4E6	462.2E6	58.293	53.168
11)	B alpha-Chl...	5.982	5.104	310.2E6	447.3E6	57.159	53.720
12)	B 4,4'-DDE	6.153	5.293	277.4E6	421.9E6	59.559	55.563
13)	MA Dieldrin	6.302	5.423	304.7E6	441.7E6	57.915	53.417
14)	MA Endrin	6.528	5.698	240.2E6	368.8E6	53.695	49.822
15)	B Endosulfa...	6.743	5.990	261.2E6	367.4E6	53.383	53.207
16)	A 4,4'-DDD	6.662	5.845	232.1E6	358.5E6	61.504	56.202
17)	MA 4,4'-DDT	6.976	6.097	214.3E6	326.5E6	52.855	49.005
18)	B Endrin al...	6.871	6.168	185.5E6	273.7E6	56.601	47.531
19)	B Endosulfa...	7.104	6.391	225.6E6	343.3E6	56.266	51.562
20)	A Methoxychlor	7.449	6.669	104.3E6	164.5E6	49.905	45.126
21)	B Endrin ke...	7.584	6.895	245.2E6	382.8E6	57.277	48.456
22)	Mirex	8.061	7.085	161.5E6	255.8E6	51.982	47.819

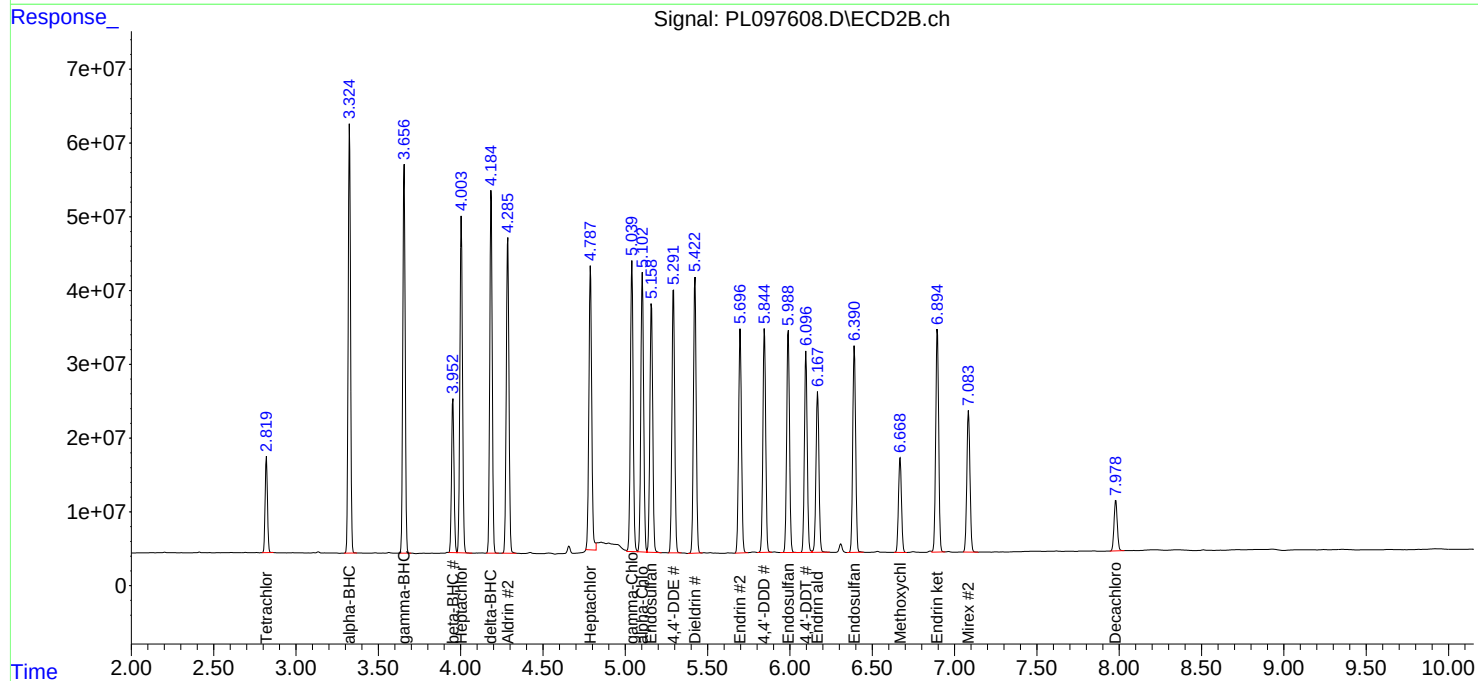
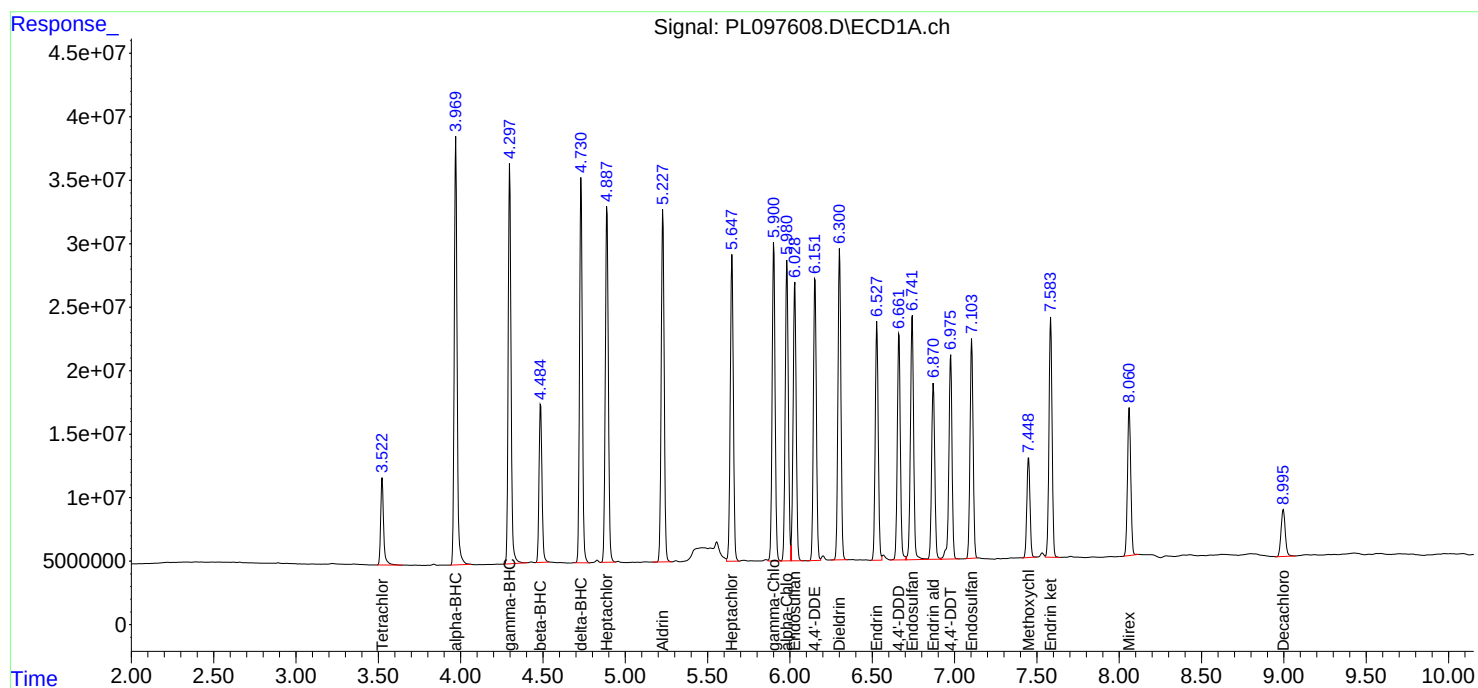
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

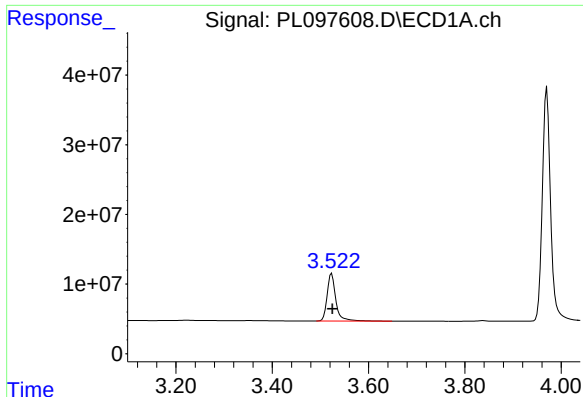
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:51
Operator : AR\AJ
Sample : PB170054BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB170054BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:20:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

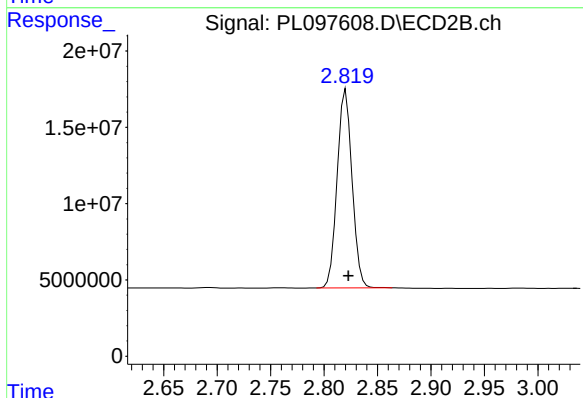




#1 Tetrachloro-m-xylene

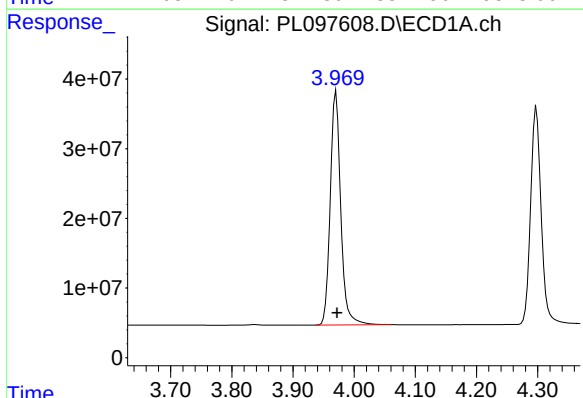
R.T.: 3.523 min
Delta R.T.: -0.002 min
Response: 85868011
Conc: 21.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS



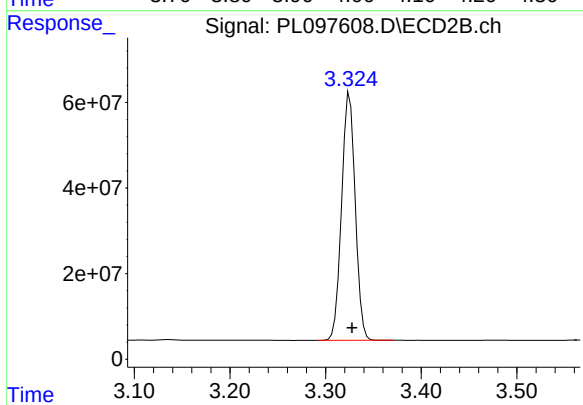
#1 Tetrachloro-m-xylene

R.T.: 2.820 min
Delta R.T.: -0.002 min
Response: 126310277
Conc: 20.75 ng/ml



#2 alpha-BHC

R.T.: 3.970 min
Delta R.T.: -0.001 min
Response: 399326930
Conc: 59.20 ng/ml

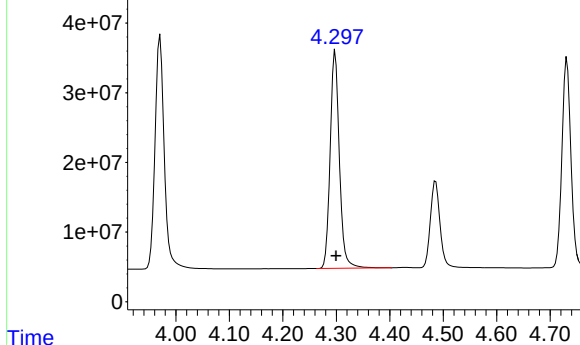


#2 alpha-BHC

R.T.: 3.325 min
Delta R.T.: -0.002 min
Response: 574256133
Conc: 58.20 ng/ml

Response_ Signal: PL097608.D\ECD1A.ch

#3 gamma-BHC (Lindane)

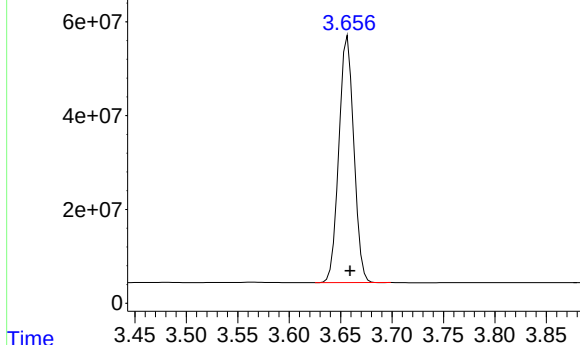


R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 375247692
Conc: 59.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

Time Response_ Signal: PL097608.D\ECD2B.ch

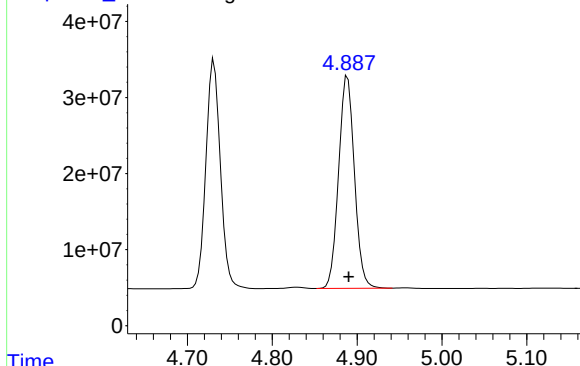
#3 gamma-BHC (Lindane)



R.T.: 3.657 min
Delta R.T.: -0.002 min
Response: 530324828
Conc: 57.72 ng/ml

Time Response_ Signal: PL097608.D\ECD1A.ch

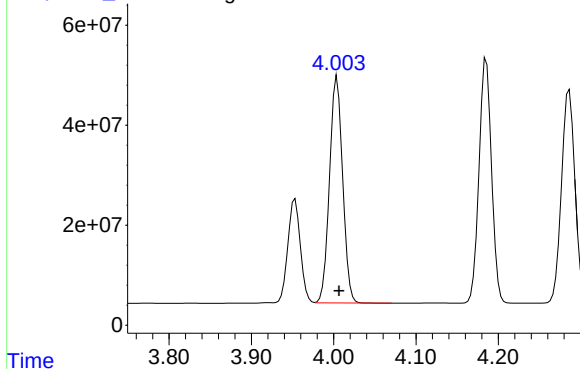
#4 Heptachlor



R.T.: 4.889 min
Delta R.T.: -0.001 min
Response: 360811404
Conc: 55.93 ng/ml

Time Response_ Signal: PL097608.D\ECD2B.ch

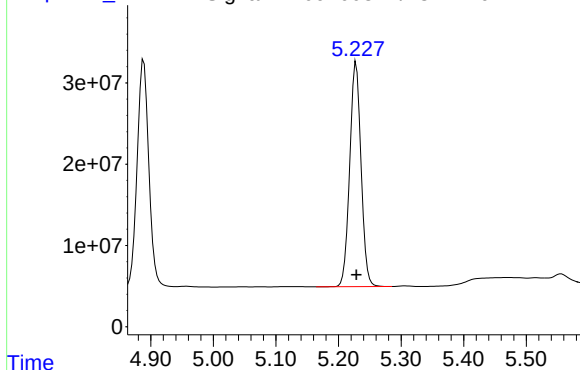
#4 Heptachlor



R.T.: 4.004 min
Delta R.T.: -0.002 min
Response: 502808012
Conc: 54.70 ng/ml

Response_ Signal: PL097608.D\ECD1A.ch

#5 Aldrin

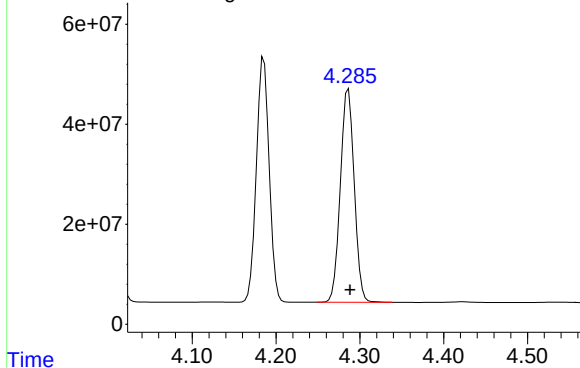


R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 348091306
Conc: 57.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

Time Response_ Signal: PL097608.D\ECD2B.ch

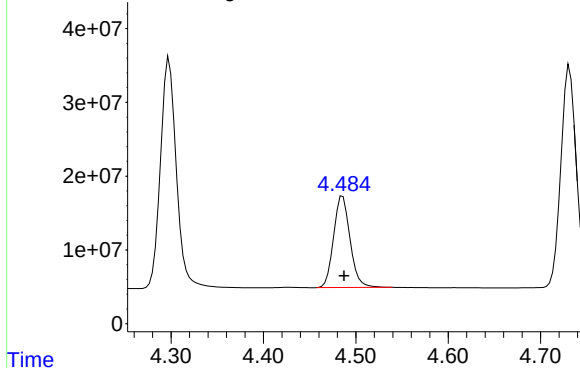
#5 Aldrin



R.T.: 4.286 min
Delta R.T.: -0.002 min
Response: 490414980
Conc: 56.55 ng/ml

Time Response_ Signal: PL097608.D\ECD1A.ch

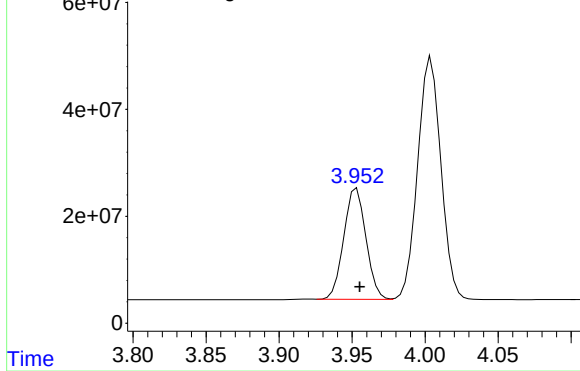
#6 beta-BHC



R.T.: 4.486 min
Delta R.T.: -0.001 min
Response: 153752910
Conc: 59.47 ng/ml

Time Response_ Signal: PL097608.D\ECD2B.ch

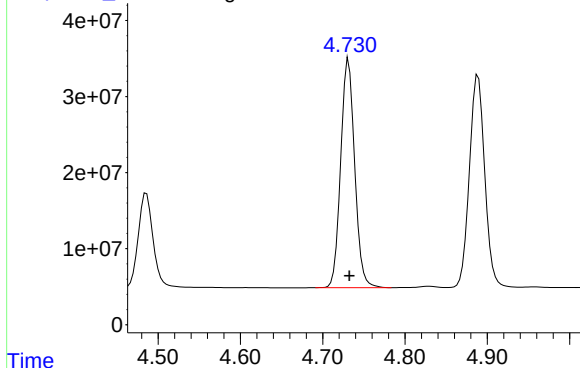
#6 beta-BHC



R.T.: 3.953 min
Delta R.T.: -0.002 min
Response: 218887509
Conc: 55.02 ng/ml

Response_ Signal: PL097608.D\ECD1A.ch

#7 delta-BHC

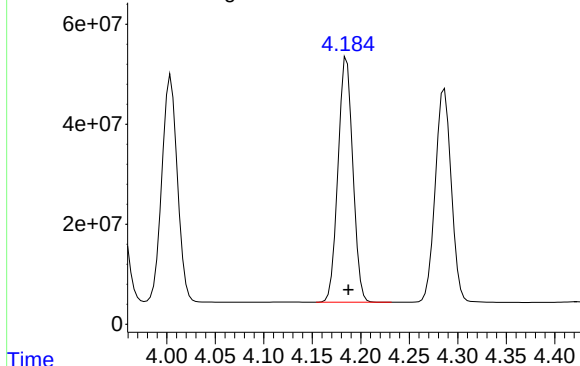


R.T.: 4.731 min
Delta R.T.: -0.001 min
Response: 355843312
Conc: 58.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

Time Response_ Signal: PL097608.D\ECD2B.ch

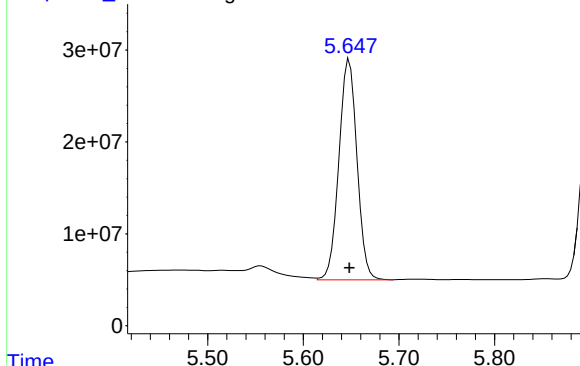
#7 delta-BHC



R.T.: 4.185 min
Delta R.T.: -0.002 min
Response: 518805193
Conc: 57.43 ng/ml

Time Response_ Signal: PL097608.D\ECD1A.ch

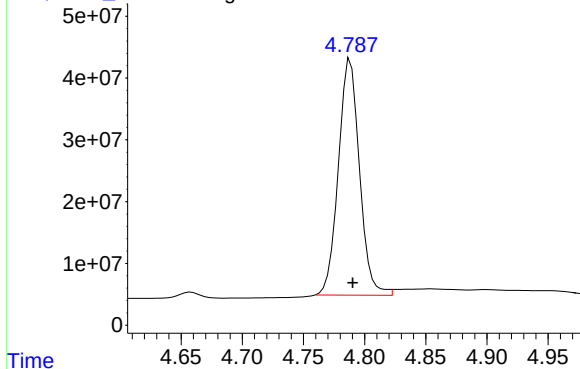
#8 Heptachlor epoxide



R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 316289742
Conc: 54.32 ng/ml

Time Response_ Signal: PL097608.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.788 min
Delta R.T.: -0.002 min
Response: 459571335
Conc: 58.19 ng/ml

Response_ Signal: PL097608.D\ECD1A.ch

#9 Endosulfan I

R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 285291963
Conc: 57.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

Time

Response_ Signal: PL097608.D\ECD2B.ch

#9 Endosulfan I

R.T.: 5.159 min
Delta R.T.: -0.002 min
Response: 404216659
Conc: 54.81 ng/ml

Time

Response_ Signal: PL097608.D\ECD1A.ch

#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: 0.000 min
Response: 316383058
Conc: 58.29 ng/ml

Time

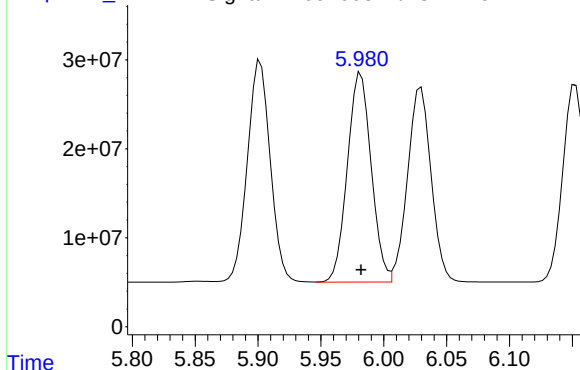
Response_ Signal: PL097608.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.040 min
Delta R.T.: -0.001 min
Response: 462198659
Conc: 53.17 ng/ml

Time

Response_ Signal: PL097608.D\ECD1A.ch

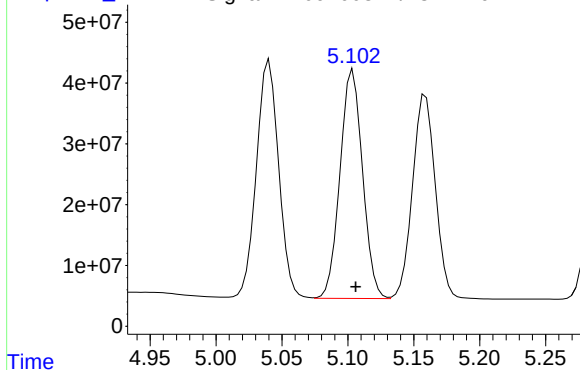


#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 310171438
Conc: 57.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

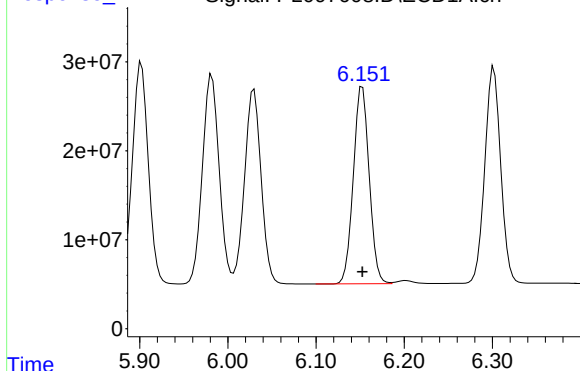
Time Response_ Signal: PL097608.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.104 min
Delta R.T.: -0.002 min
Response: 447336714
Conc: 53.72 ng/ml

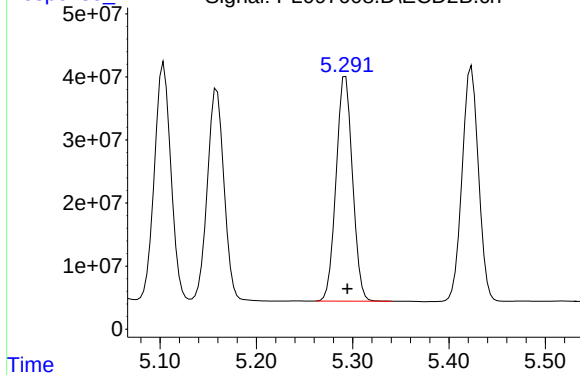
Time Response_ Signal: PL097608.D\ECD1A.ch



#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 277378417
Conc: 59.56 ng/ml

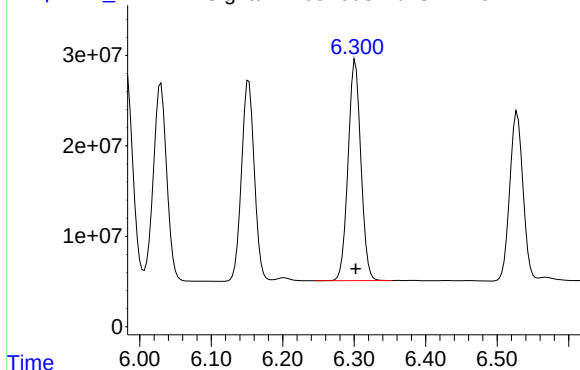
Time Response_ Signal: PL097608.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.002 min
Response: 421862086
Conc: 55.56 ng/ml

Response_ Signal: PL097608.D\ECD1A.ch

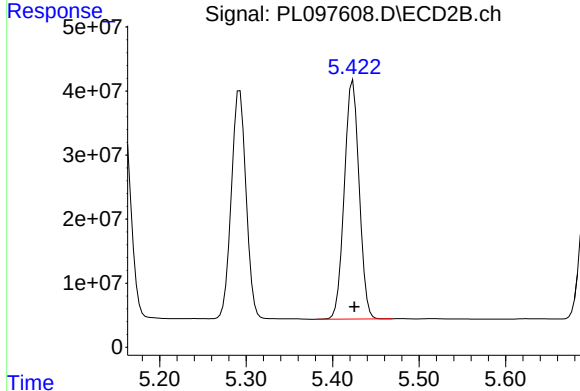


#13 Dieldrin

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 304663040
Conc: 57.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

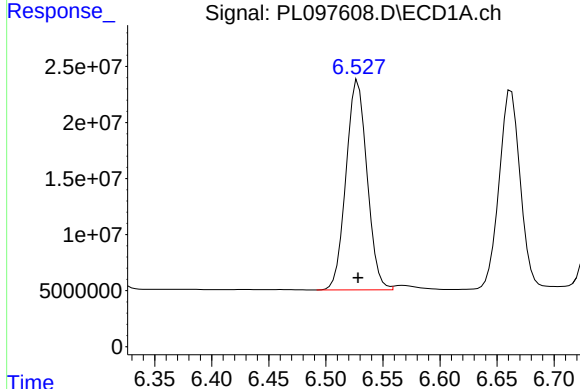
Time Response_ Signal: PL097608.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.423 min
Delta R.T.: -0.002 min
Response: 441668937
Conc: 53.42 ng/ml

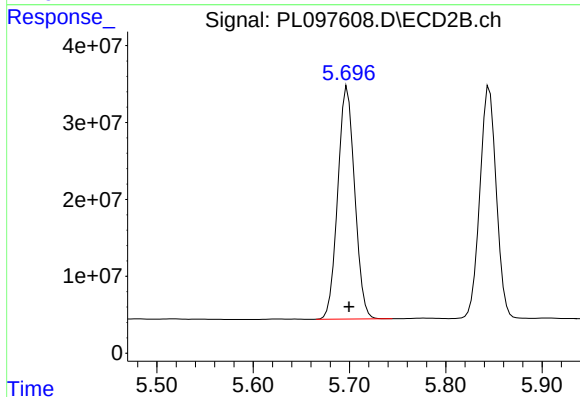
Time Response_ Signal: PL097608.D\ECD1A.ch



#14 Endrin

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 240248333
Conc: 53.70 ng/ml

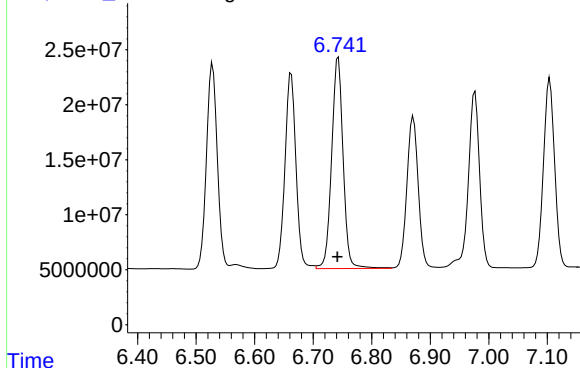
Time Response_ Signal: PL097608.D\ECD2B.ch



#14 Endrin

R.T.: 5.698 min
Delta R.T.: -0.001 min
Response: 368757379
Conc: 49.82 ng/ml

Response_ Signal: PL097608.D\ECD1A.ch

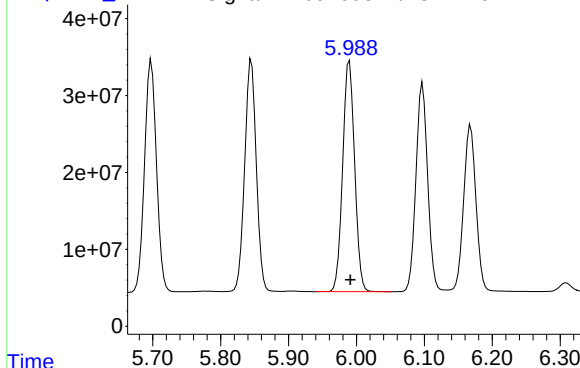


#15 Endosulfan II

R.T.: 6.743 min
Delta R.T.: 0.001 min
Response: 261153743
Conc: 53.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

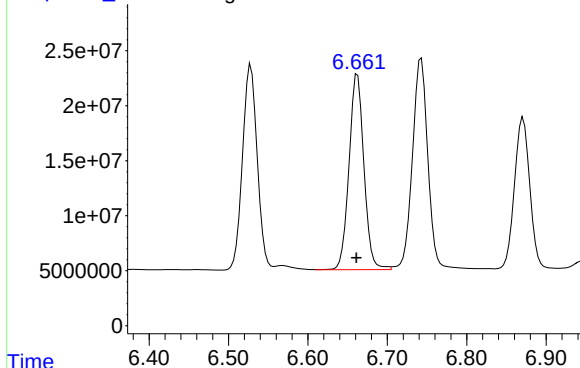
Time Response_ Signal: PL097608.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.990 min
Delta R.T.: -0.002 min
Response: 367392053
Conc: 53.21 ng/ml

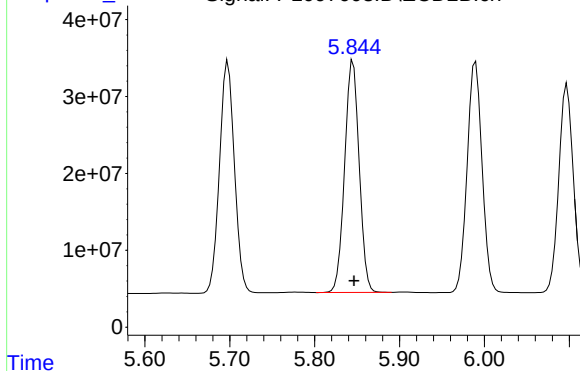
Time Response_ Signal: PL097608.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: 0.001 min
Response: 232086714
Conc: 61.50 ng/ml

Time Response_ Signal: PL097608.D\ECD2B.ch

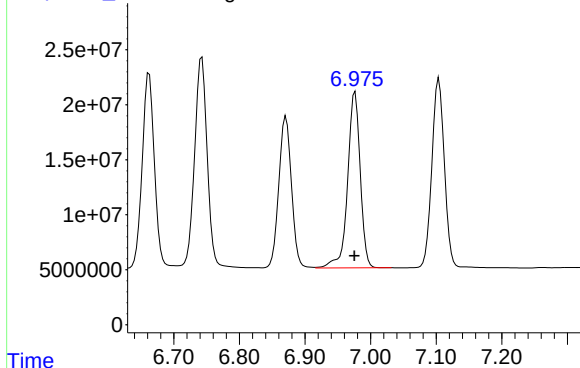


#16 4,4'-DDD

R.T.: 5.845 min
Delta R.T.: -0.001 min
Response: 358504640
Conc: 56.20 ng/ml

Response_ Signal: PL097608.D\ECD1A.ch

#17 4,4'-DDT

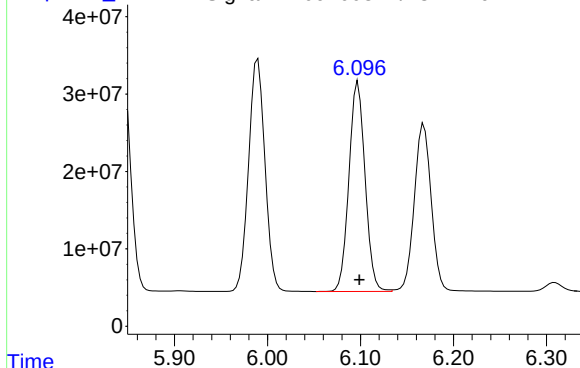


R.T.: 6.976 min
Delta R.T.: 0.001 min
Response: 214310254
Conc: 52.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

Time Response_ Signal: PL097608.D\ECD2B.ch

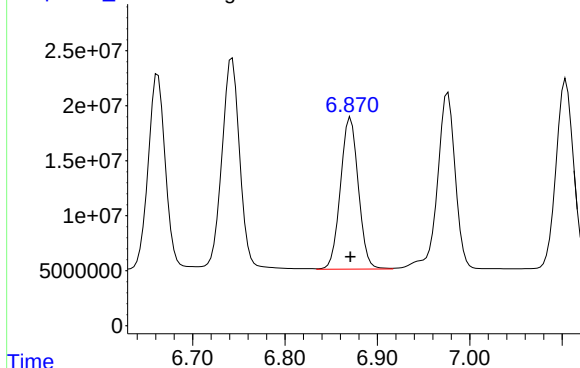
#17 4,4'-DDT



R.T.: 6.097 min
Delta R.T.: -0.001 min
Response: 326539101
Conc: 49.00 ng/ml

Time Response_ Signal: PL097608.D\ECD1A.ch

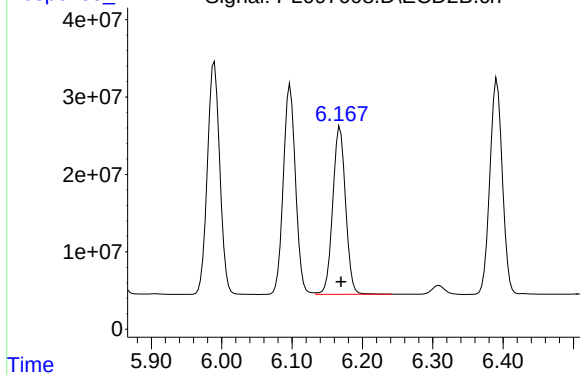
#18 Endrin aldehyde



R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 185466854
Conc: 56.60 ng/ml

Time Response_ Signal: PL097608.D\ECD2B.ch

#18 Endrin aldehyde



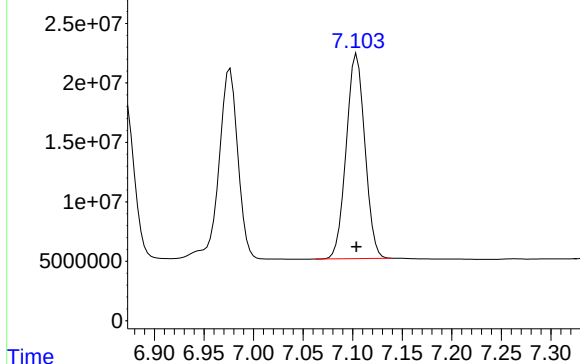
R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 273706077
Conc: 47.53 ng/ml

Response_ Signal: PL097608.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 225620068
Conc: 56.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

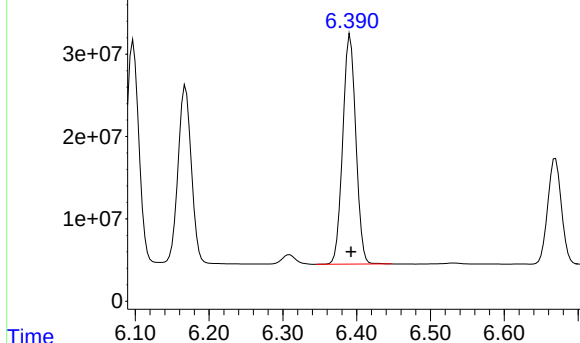


Time

Response_ Signal: PL097608.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.391 min
Delta R.T.: -0.001 min
Response: 343292045
Conc: 51.56 ng/ml

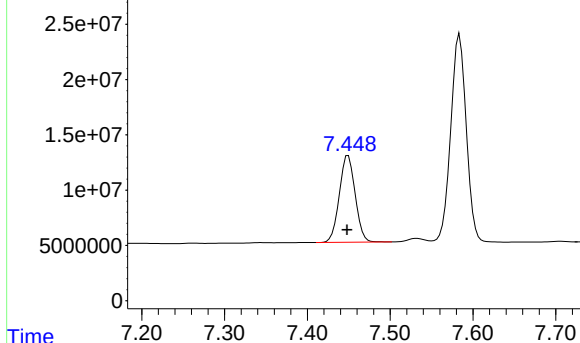


Time

Response_ Signal: PL097608.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: 0.001 min
Response: 104251442
Conc: 49.90 ng/ml

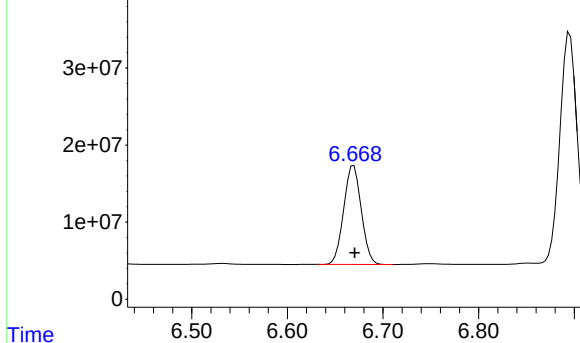


Time

Response_ Signal: PL097608.D\ECD2B.ch

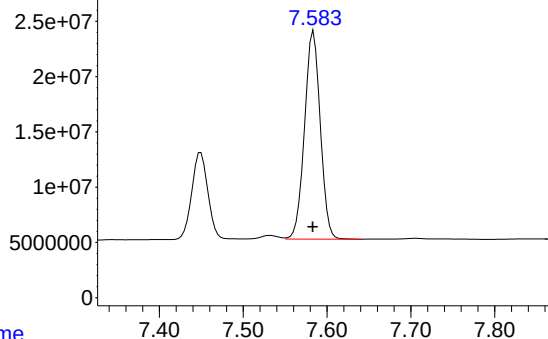
#20 Methoxychlor

R.T.: 6.669 min
Delta R.T.: -0.001 min
Response: 164494222
Conc: 45.13 ng/ml



Time

Response_ Signal: PL097608.D\ECD1A.ch

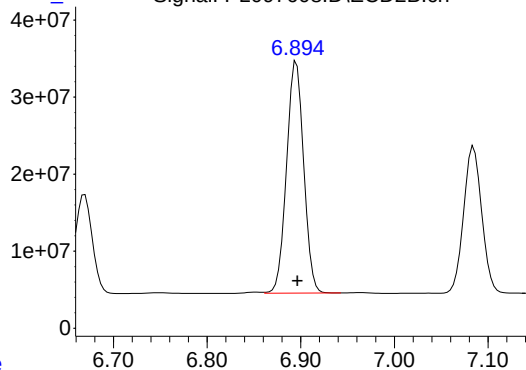


#21 Endrin ketone

R.T.: 7.584 min
Delta R.T.: 0.000 min
Response: 245244560
Conc: 57.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS

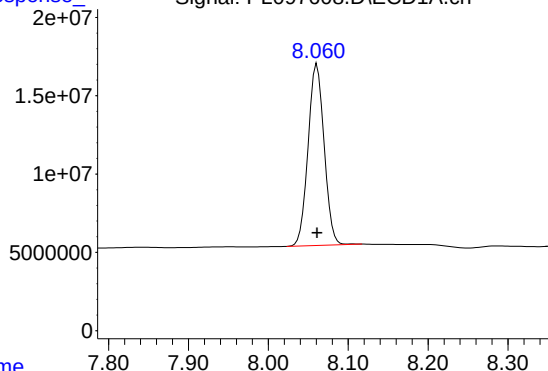
Time Response_ Signal: PL097608.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.001 min
Response: 382793353
Conc: 48.46 ng/ml

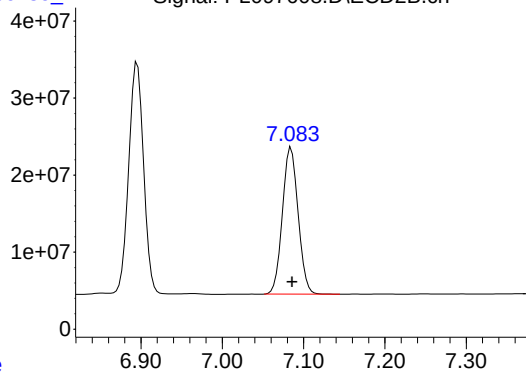
Time Response_ Signal: PL097608.D\ECD1A.ch



#22 Mirex

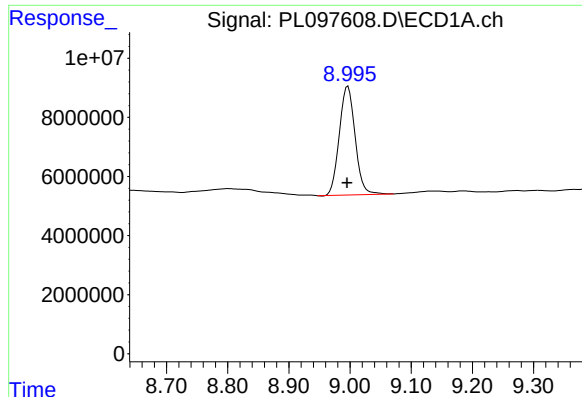
R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 161530599
Conc: 51.98 ng/ml

Time Response_ Signal: PL097608.D\ECD2B.ch



#22 Mirex

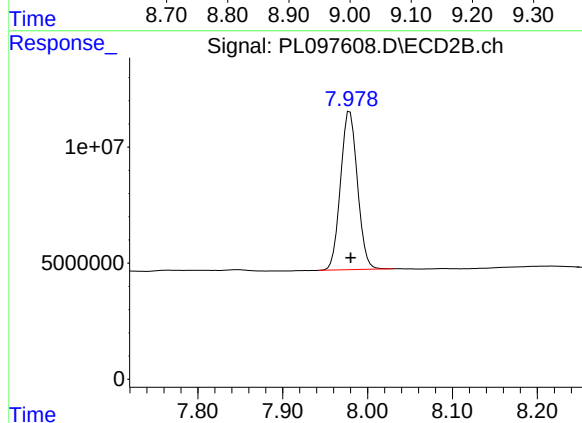
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 255826319
Conc: 47.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.996 min
Delta R.T.: 0.001 min
Response: 66116333
Conc: 22.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BS



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 94339039
Conc: 18.18 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS	SDG No.:	Q3321
Lab Sample ID:	Q3310-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	65.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097602.D	1	10/10/25 09:06	10/10/25 14:25	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.8		0.20	2.60	ug/kg
319-85-7	beta-BHC	18.3		0.28	2.60	ug/kg
319-86-8	delta-BHC	21.0		0.60	2.60	ug/kg
58-89-9	gamma-BHC (Lindane)	19.9		0.21	2.60	ug/kg
76-44-8	Heptachlor	19.9		0.18	2.60	ug/kg
309-00-2	Aldrin	19.6		0.18	2.60	ug/kg
1024-57-3	Heptachlor epoxide	20.5		0.29	2.60	ug/kg
959-98-8	Endosulfan I	20.5		0.21	2.60	ug/kg
60-57-1	Dieldrin	24.6		0.21	2.60	ug/kg
72-55-9	4,4-DDE	20.3		0.21	2.60	ug/kg
72-20-8	Endrin	19.7		0.21	2.60	ug/kg
33213-65-9	Endosulfan II	17.9		0.44	2.60	ug/kg
72-54-8	4,4-DDD	23.9	P	0.23	2.60	ug/kg
1031-07-8	Endosulfan Sulfate	23.3		0.20	2.60	ug/kg
50-29-3	4,4-DDT	22.9		0.21	2.60	ug/kg
72-43-5	Methoxychlor	25.8		0.57	2.60	ug/kg
53494-70-5	Endrin ketone	22.8	P	0.29	2.60	ug/kg
7421-93-4	Endrin aldehyde	19.7		0.57	2.60	ug/kg
5103-71-9	alpha-Chlordane	23.6		0.18	2.60	ug/kg
5103-74-2	gamma-Chlordane	24.6		0.23	2.60	ug/kg
8001-35-2	Toxaphene	8.30	U	8.30	50.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.92		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.9		19 - 148	64%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/07/25	
Project:	RFP 918		Date Received:	10/08/25	
Client Sample ID:	SS-01-0-1MS		SDG No.:	Q3321	
Lab Sample ID:	Q3310-01MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	65.3	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097602.D	1	10/10/25 09:06	10/10/25 14:25	PB170054

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097602.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:25
 Operator : AR\AJ
 Sample : Q3310-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SS-01-0-1MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:19:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.523	2.822	52559009	69633698	12.892m	11.441
28) SA Decachlor...	8.994	7.978	26538482	37876209	8.925	7.299
Target Compounds						
2) A alpha-BHC	3.971	3.327	261.6E6	336.5E6	38.783	34.099
3) MA gamma-BHC...	4.297	3.659	248.1E6	334.6E6	39.036m	36.417
4) MA Heptachlor	4.887	4.006	252.2E6	301.3E6	39.091m	32.780
5) MB Aldrin	5.226	4.286	230.7E6	290.3E6	38.366m	33.481m
6) B beta-BHC	4.487	3.953	92854017	124.7E6	35.914	31.355m
7) B delta-BHC	4.732	4.187	249.6E6	306.6E6	41.095	33.935
8) B Heptachlo...	5.647	4.789	234.0E6	257.8E6	40.190	32.638
9) A Endosulfan I	6.027	5.160	200.1E6	233.4E6	40.254m	31.645
10) B gamma-Chl...	5.901	5.040	261.2E6	354.4E6	48.135	40.772
11) B alpha-Chl...	5.982	5.104	251.2E6	291.3E6	46.301	34.976
12) B 4,4'-DDE	6.152	5.293	185.7E6	241.3E6	39.878	31.786
13) MA Dieldrin	6.301	5.424	253.9E6	307.3E6	48.269	37.171
14) MA Endrin	6.527	5.698	173.1E6	223.2E6	38.694	30.152
15) B Endosulfa...	6.740	5.990	172.0E6	220.2E6	35.163	31.887
16) A 4,4'-DDD	6.661	5.845	176.7E6	197.5E6	46.822	30.958 #
17) MA 4,4'-DDT	6.974	6.097	182.0E6	236.2E6	44.884	35.444
18) B Endrin al...	6.869	6.168	126.3E6	175.2E6	38.534	30.416
19) B Endosulfa...	7.101	6.392	183.3E6	284.8E6	45.719m	42.780
20) A Methoxychlor	7.449	6.668	105.7E6	130.3E6	50.576	35.733m#
21) B Endrin ke...	7.581	6.895	191.4E6	203.5E6	44.695	25.758 #
22) Mirex	8.059	7.084	117.3E6	142.7E6	37.748	26.674 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:25
Operator : AR\AJ
Sample : Q3310-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SS-01-0-1MS

Manual Integrations

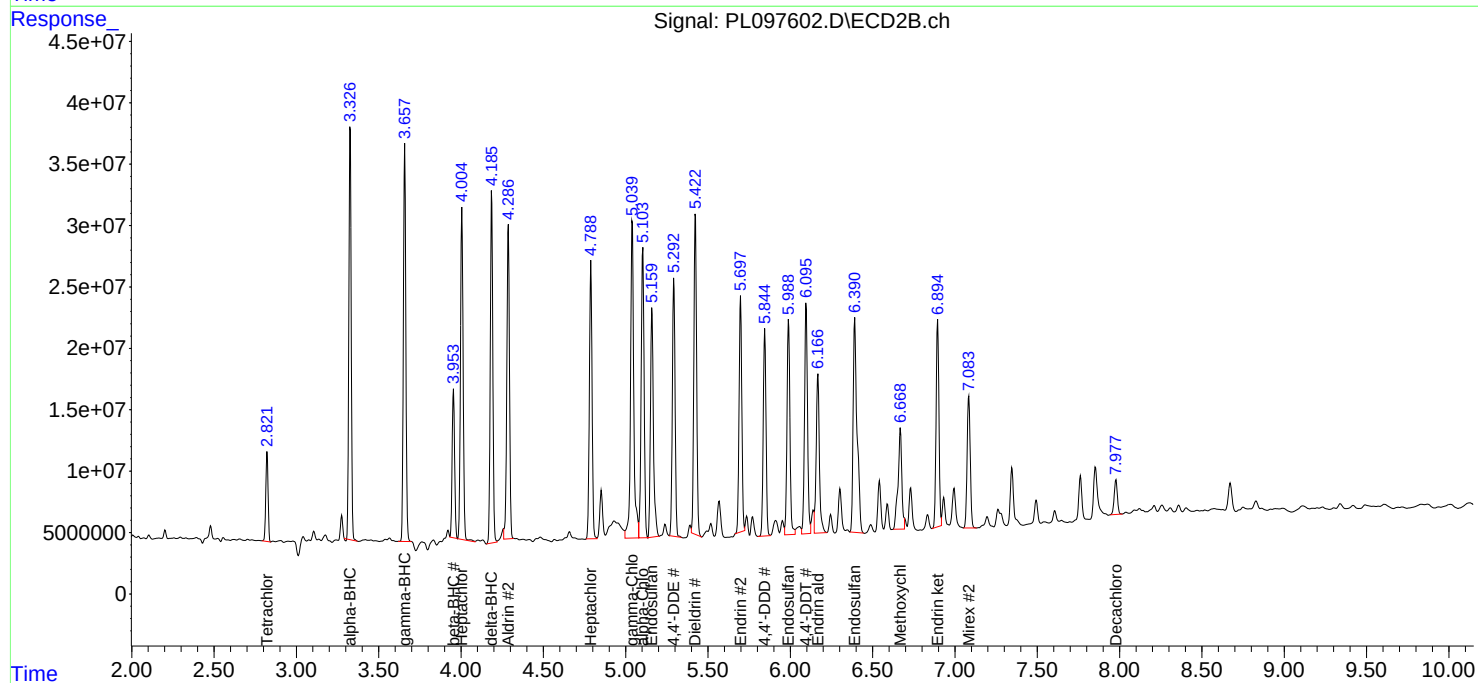
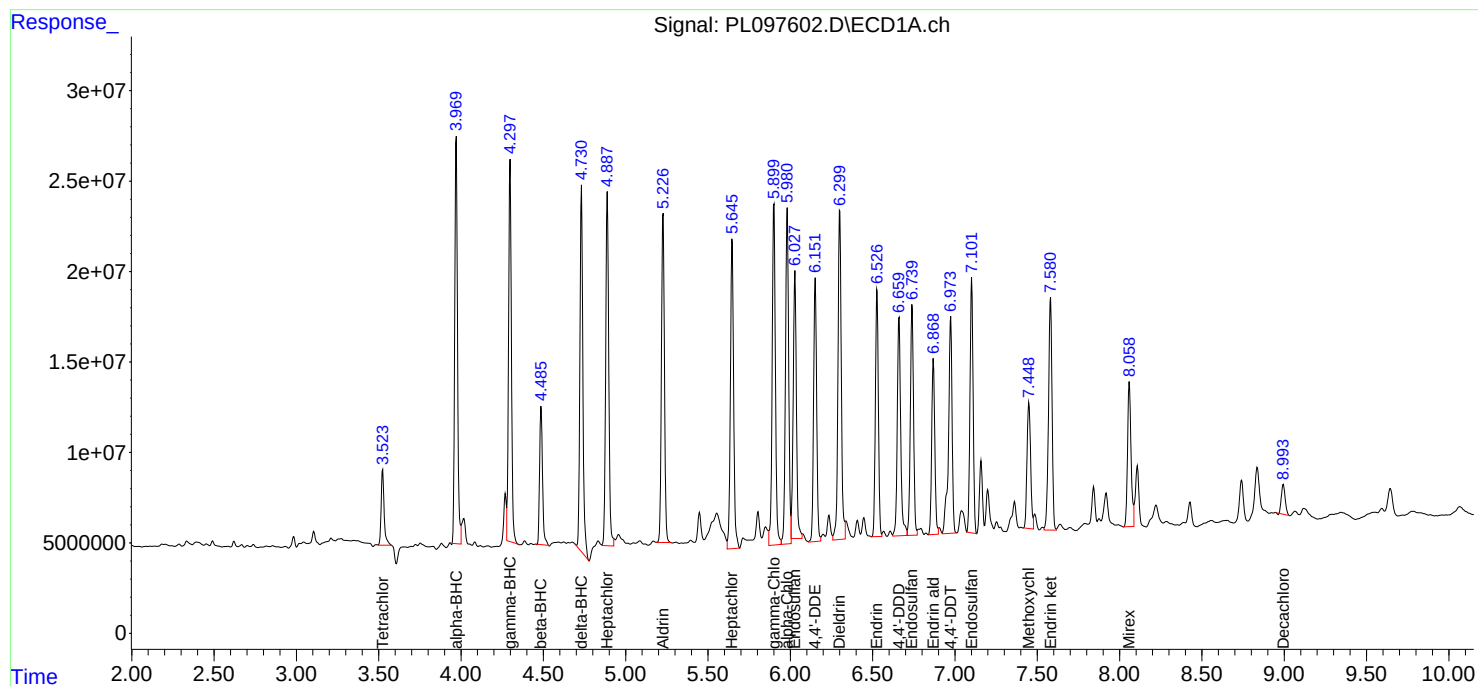
APPROVED

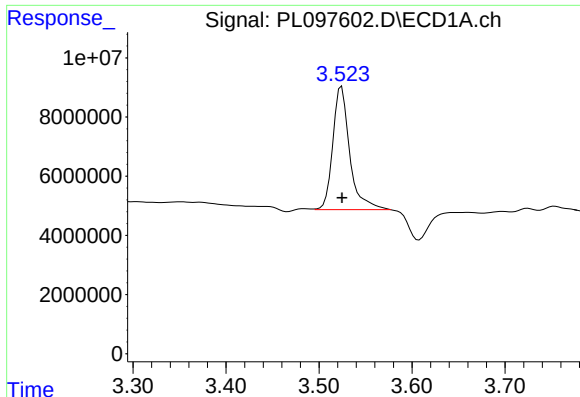
Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:19:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm





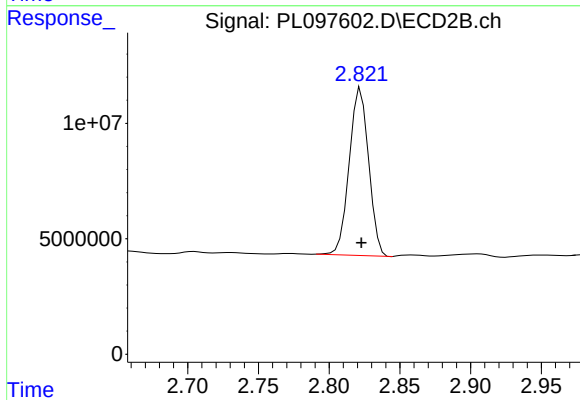
#1 Tetrachloro-m-xylene

R.T.: 3.523 min
Delta R.T.: -0.002 min
Response: 52559009
Conc: 12.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

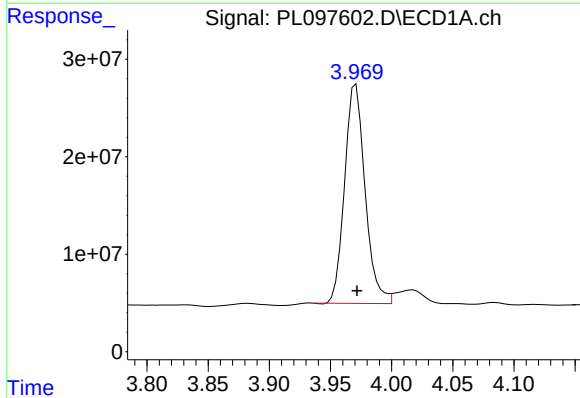
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



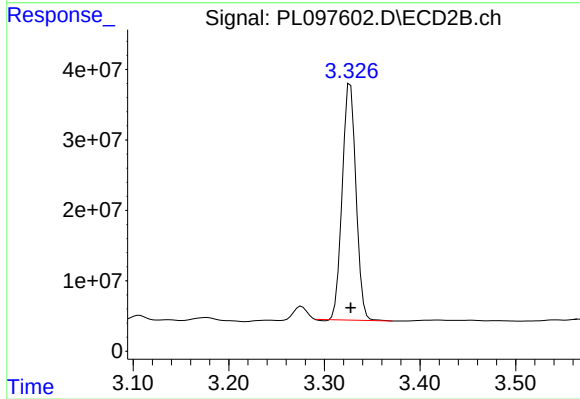
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 69633698
Conc: 11.44 ng/ml



#2 alpha-BHC

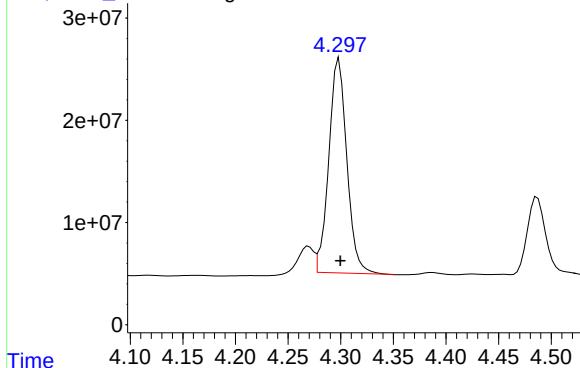
R.T.: 3.971 min
Delta R.T.: 0.000 min
Response: 261618367
Conc: 38.78 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 336454172
Conc: 34.10 ng/ml

Response_ Signal: PL097602.D\ECD1A.ch



#3 gamma-BHC (Lindane)

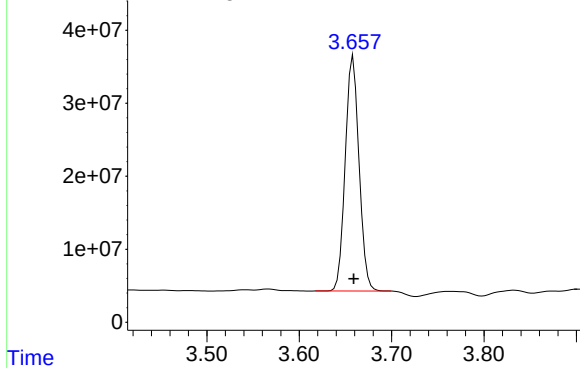
R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 248123279
Conc: 39.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

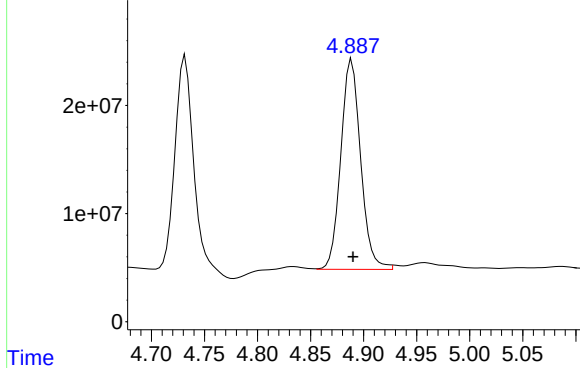
Response_ Signal: PL097602.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 334569930
Conc: 36.42 ng/ml

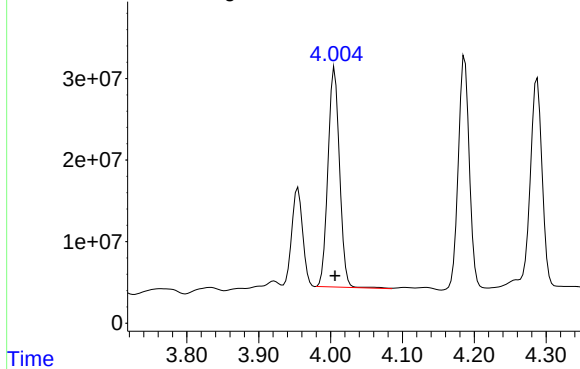
Response_ Signal: PL097602.D\ECD1A.ch



#4 Heptachlor

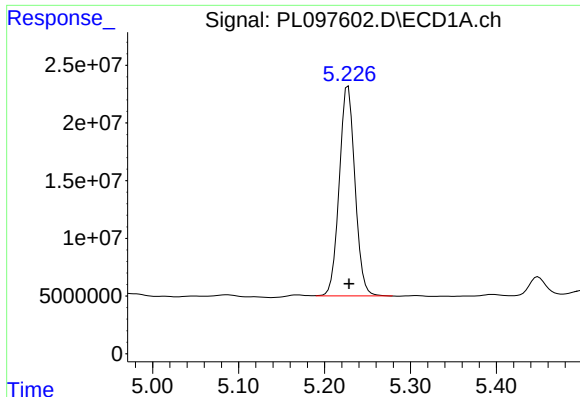
R.T.: 4.887 min
Delta R.T.: -0.003 min
Response: 252165910
Conc: 39.09 ng/ml m

Response_ Signal: PL097602.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 301321863
Conc: 32.78 ng/ml



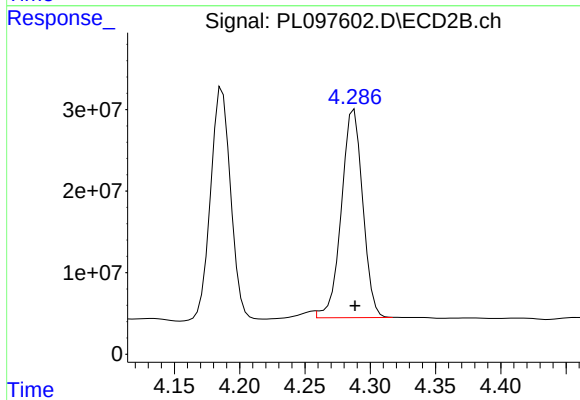
#5 Aldrin

R.T.: 5.226 min
Delta R.T.: -0.003 min
Response: 230685377
Conc: 38.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

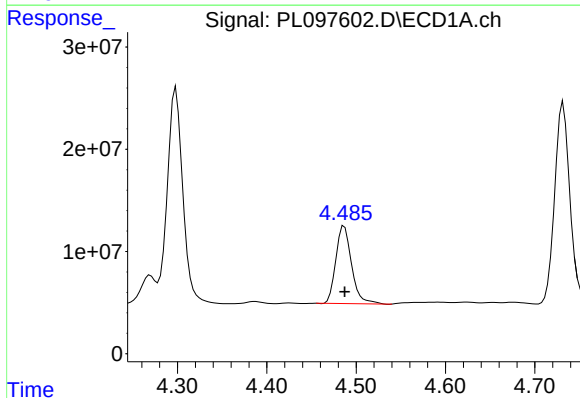
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



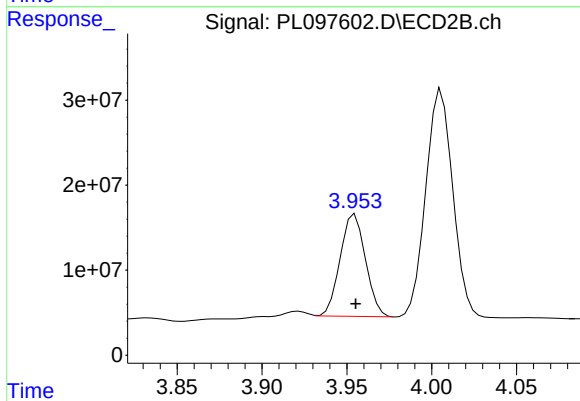
#5 Aldrin

R.T.: 4.286 min
Delta R.T.: -0.002 min
Response: 290343955
Conc: 33.48 ng/ml m



#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 92854017
Conc: 35.91 ng/ml

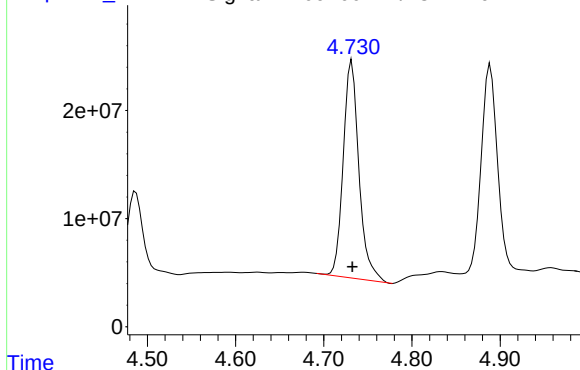


#6 beta-BHC

R.T.: 3.953 min
Delta R.T.: -0.002 min
Response: 124733327
Conc: 31.35 ng/ml m

Response_ Signal: PL097602.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 249556608
Conc: 41.10 ng/ml

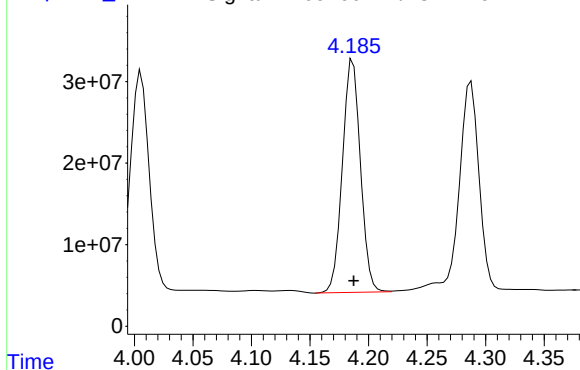
Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

Response_ Signal: PL097602.D\ECD2B.ch

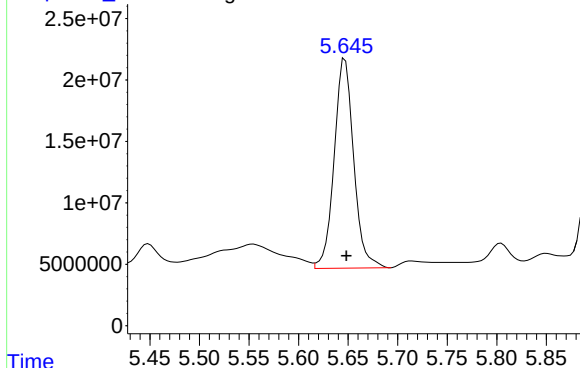
#7 delta-BHC



R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 306569631
Conc: 33.94 ng/ml

Response_ Signal: PL097602.D\ECD1A.ch

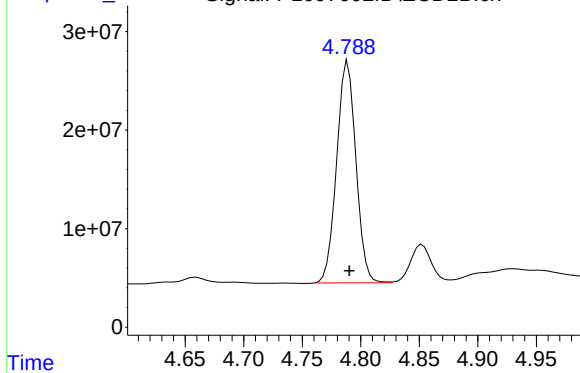
#8 Heptachlor epoxide



R.T.: 5.647 min
Delta R.T.: -0.002 min
Response: 233999023
Conc: 40.19 ng/ml

Response_ Signal: PL097602.D\ECD2B.ch

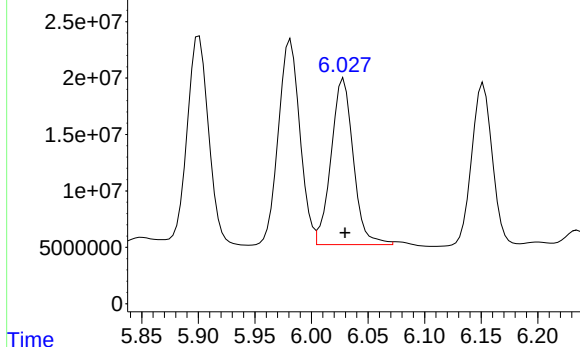
#8 Heptachlor epoxide



R.T.: 4.789 min
Delta R.T.: -0.001 min
Response: 257770243
Conc: 32.64 ng/ml

Response_ Signal: PL097602.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.027 min
Delta R.T.: -0.003 min
Response: 200120637
Conc: 40.25 ng/ml

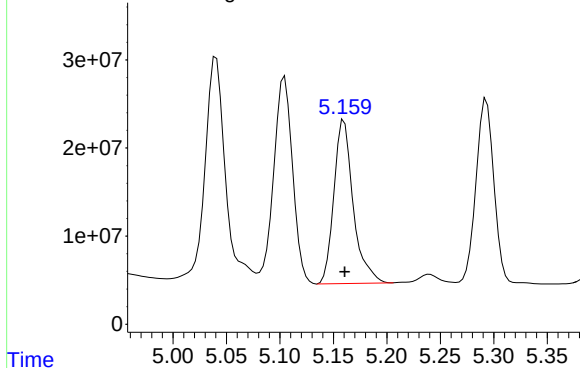
Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

Response_ Signal: PL097602.D\ECD2B.ch

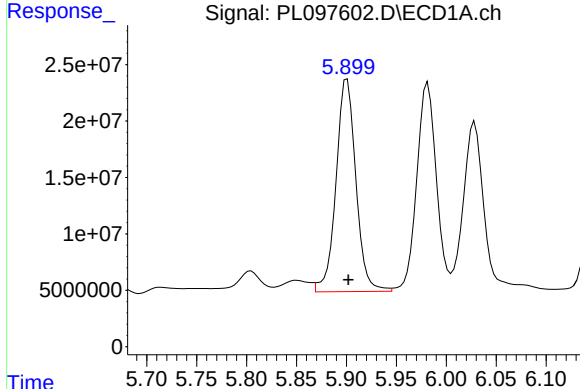
#9 Endosulfan I



R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 233361926
Conc: 31.65 ng/ml

Response_ Signal: PL097602.D\ECD1A.ch

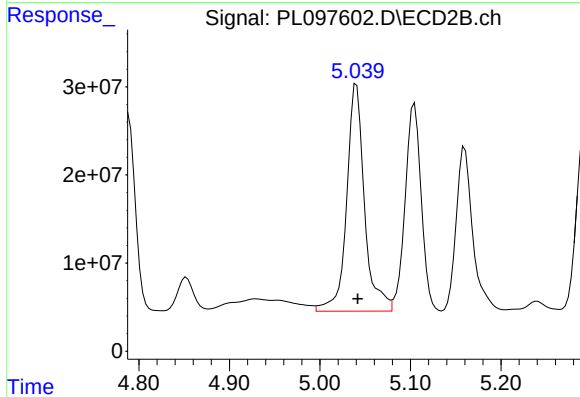
#10 gamma-Chlordane



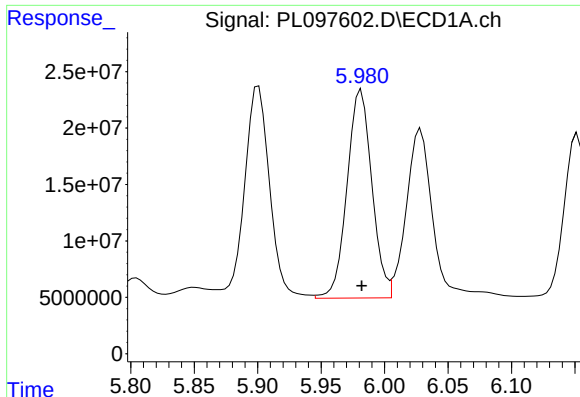
R.T.: 5.901 min
Delta R.T.: -0.001 min
Response: 261246268
Conc: 48.13 ng/ml

Response_ Signal: PL097602.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.040 min
Delta R.T.: -0.002 min
Response: 354438687
Conc: 40.77 ng/ml



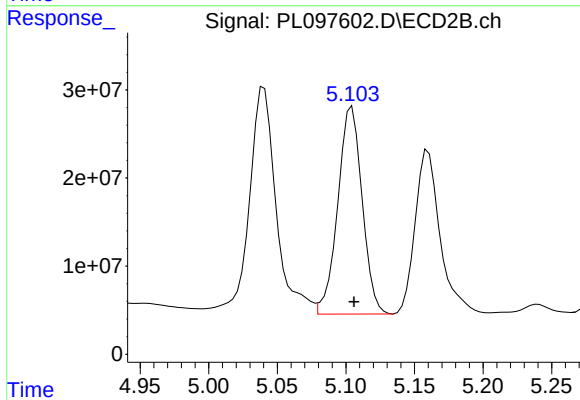
#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 251249989
Conc: 46.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

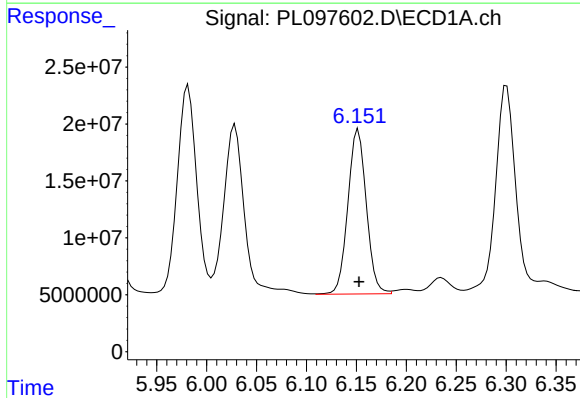
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



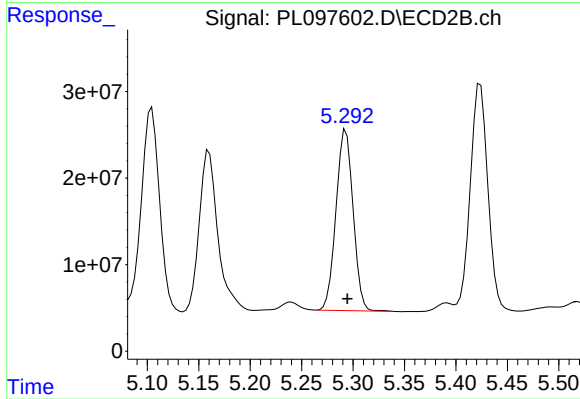
#11 alpha-Chlordane

R.T.: 5.104 min
Delta R.T.: -0.002 min
Response: 291255975
Conc: 34.98 ng/ml



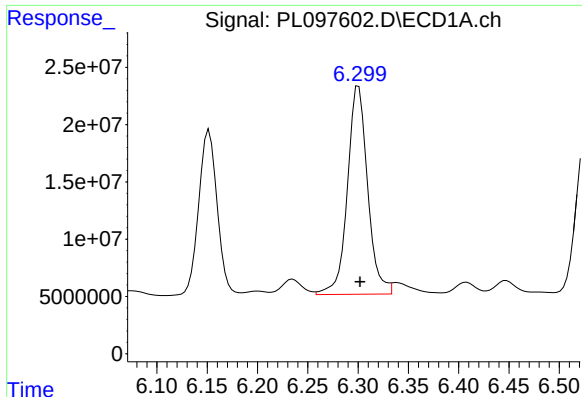
#12 4,4'-DDE

R.T.: 6.152 min
Delta R.T.: 0.000 min
Response: 185721454
Conc: 39.88 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.001 min
Response: 241337021
Conc: 31.79 ng/ml



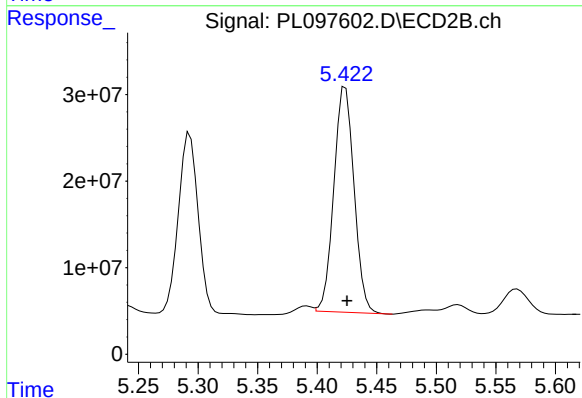
#13 Dieldrin

R.T.: 6.301 min
Delta R.T.: -0.001 min
Response: 253916402
Conc: 48.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

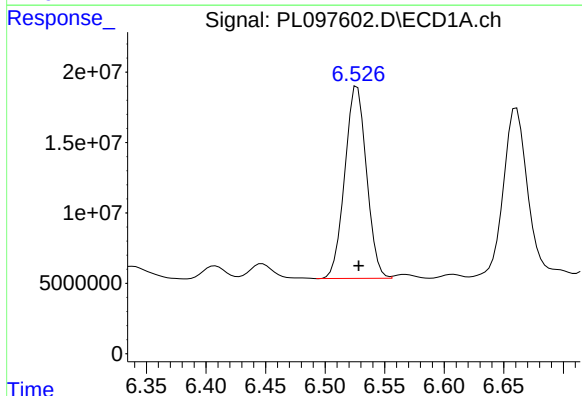
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



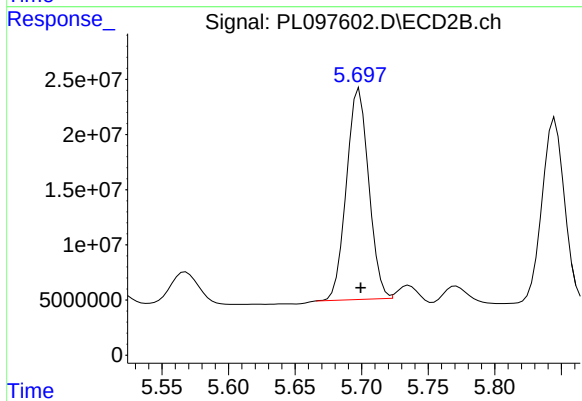
#13 Dieldrin

R.T.: 5.424 min
Delta R.T.: -0.001 min
Response: 307338463
Conc: 37.17 ng/ml



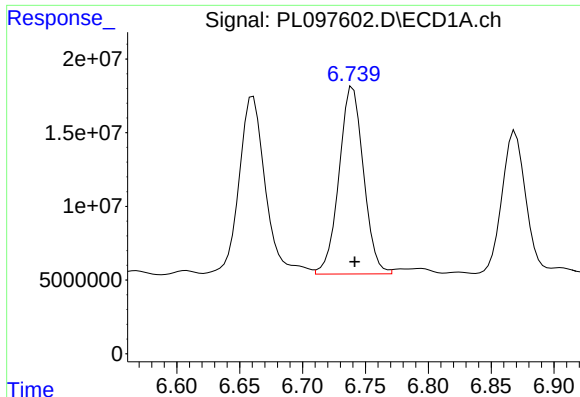
#14 Endrin

R.T.: 6.527 min
Delta R.T.: -0.001 min
Response: 173129318
Conc: 38.69 ng/ml



#14 Endrin

R.T.: 5.698 min
Delta R.T.: -0.001 min
Response: 223167047
Conc: 30.15 ng/ml



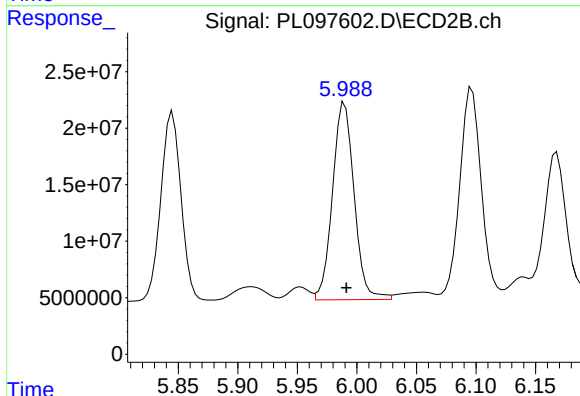
#15 Endosulfan II

R.T.: 6.740 min
Delta R.T.: -0.001 min
Response: 172023551
Conc: 35.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

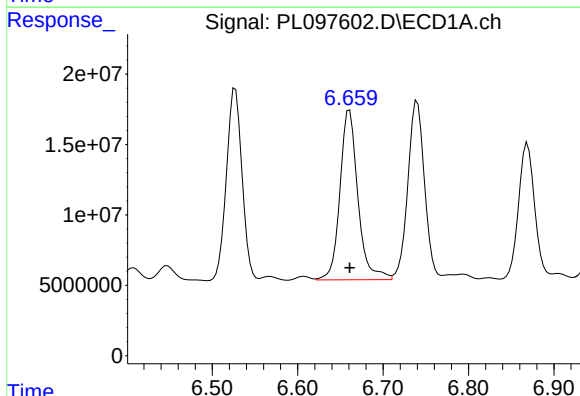
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



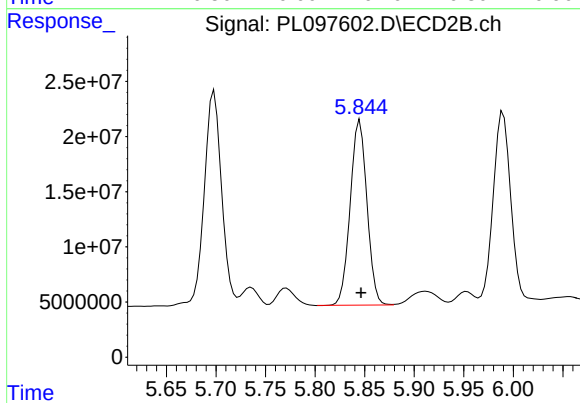
#15 Endosulfan II

R.T.: 5.990 min
Delta R.T.: -0.002 min
Response: 220176275
Conc: 31.89 ng/ml



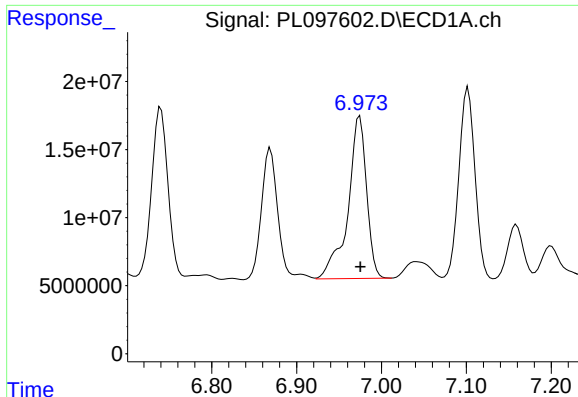
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 176682804
Conc: 46.82 ng/ml



#16 4,4'-DDD

R.T.: 5.845 min
Delta R.T.: -0.001 min
Response: 197479689
Conc: 30.96 ng/ml



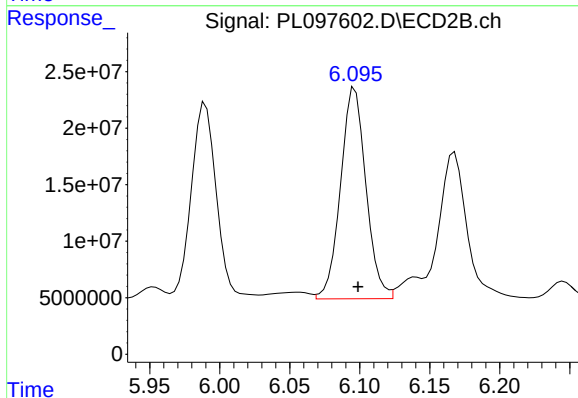
#17 4,4'-DDT

R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 181990027
Conc: 44.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

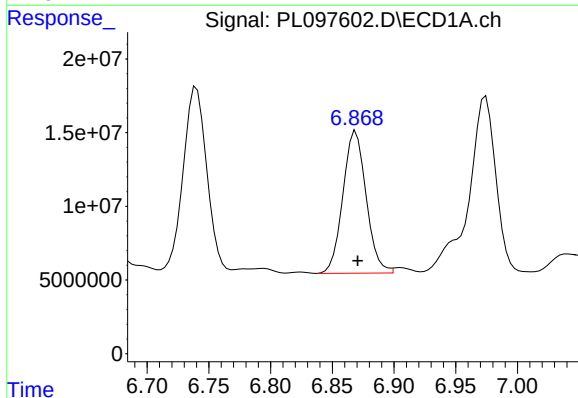
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



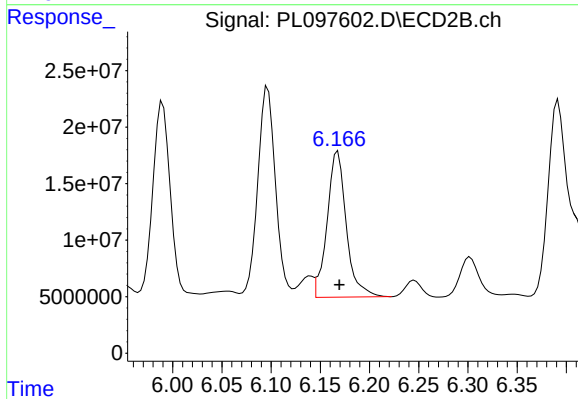
#17 4,4'-DDT

R.T.: 6.097 min
Delta R.T.: -0.002 min
Response: 236175341
Conc: 35.44 ng/ml



#18 Endrin aldehyde

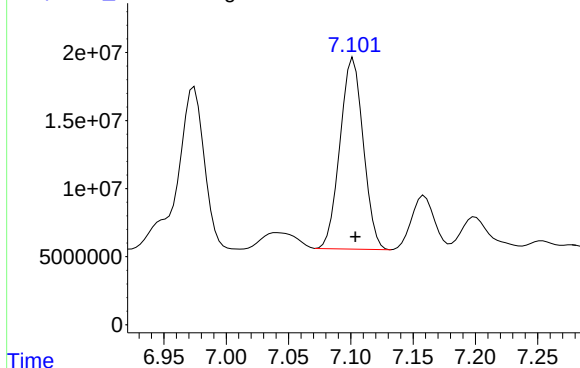
R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 126264332
Conc: 38.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 175151737
Conc: 30.42 ng/ml

Response_ Signal: PL097602.D\ECD1A.ch



#19 Endosulfan Sulfate

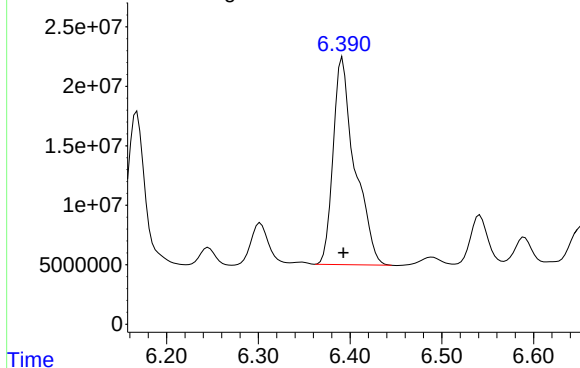
R.T.: 7.101 min
Delta R.T.: -0.003 min
Response: 183327116
Conc: 45.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

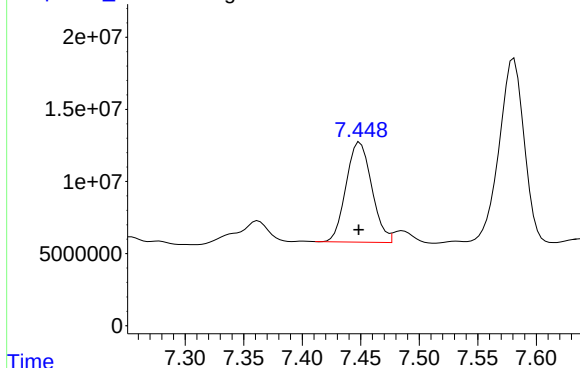
Time Response_ Signal: PL097602.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 284819924
Conc: 42.78 ng/ml

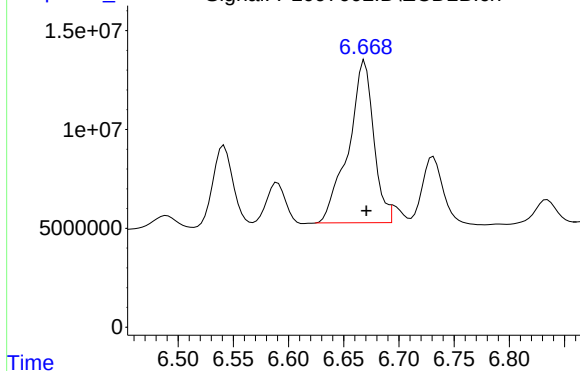
Time Response_ Signal: PL097602.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: 0.001 min
Response: 105654048
Conc: 50.58 ng/ml

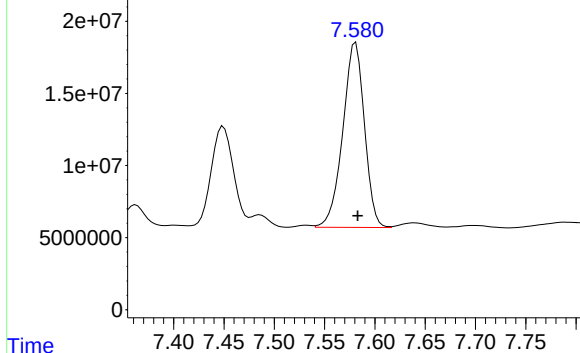
Time Response_ Signal: PL097602.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.668 min
Delta R.T.: -0.003 min
Response: 130253215
Conc: 35.73 ng/ml m

Response_ Signal: PL097602.D\ECD1A.ch



#21 Endrin ketone

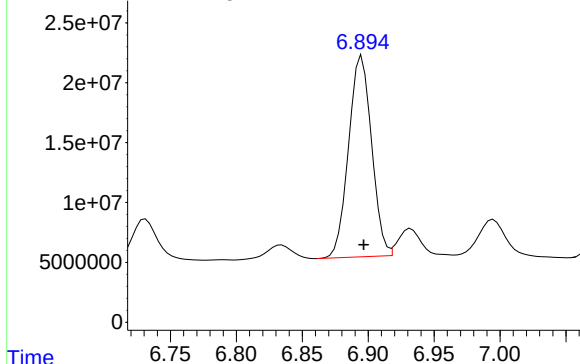
R.T.: 7.581 min
Delta R.T.: -0.002 min
Response: 191372827
Conc: 44.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

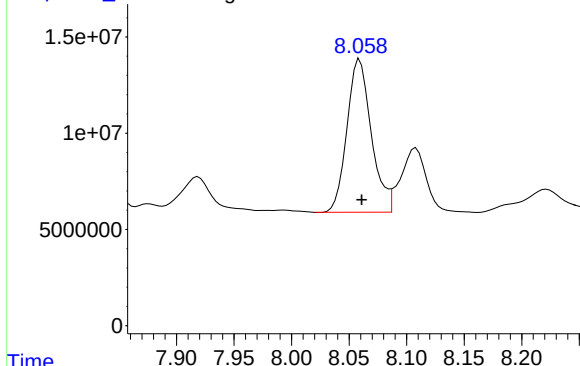
Time Response_ Signal: PL097602.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.001 min
Response: 203480977
Conc: 25.76 ng/ml

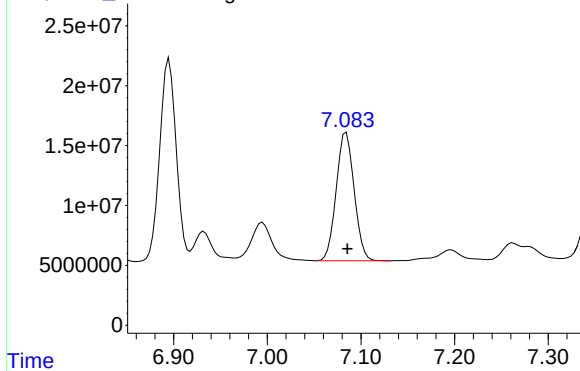
Time Response_ Signal: PL097602.D\ECD1A.ch



#22 Mirex

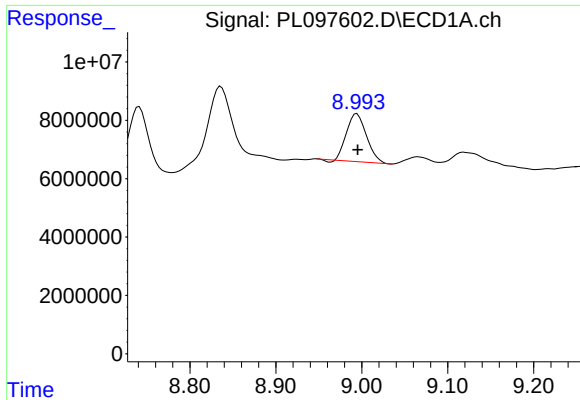
R.T.: 8.059 min
Delta R.T.: -0.002 min
Response: 117301083
Conc: 37.75 ng/ml

Time Response_ Signal: PL097602.D\ECD2B.ch



#22 Mirex

R.T.: 7.084 min
Delta R.T.: -0.001 min
Response: 142699745
Conc: 26.67 ng/ml



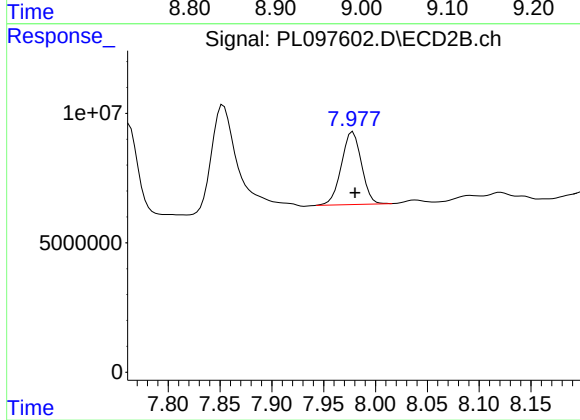
#28 Decachlorobiphenyl

R.T.: 8.994 min
Delta R.T.: -0.001 min
Response: 26538482
Conc: 8.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.978 min
Delta R.T.: -0.002 min
Response: 37876209
Conc: 7.30 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/07/25	
Project:	RFP 918		Date Received:	10/08/25	
Client Sample ID:	SS-01-0-1MSD		SDG No.:	Q3321	
Lab Sample ID:	Q3310-01MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	65.3	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097603.D	1	10/10/25 09:06	10/10/25 14:38	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	21.4		0.20	2.60	ug/kg
319-85-7	beta-BHC	19.5		0.28	2.60	ug/kg
319-86-8	delta-BHC	22.3		0.60	2.60	ug/kg
58-89-9	gamma-BHC (Lindane)	21.5		0.21	2.60	ug/kg
76-44-8	Heptachlor	20.5		0.18	2.60	ug/kg
309-00-2	Aldrin	21.3		0.18	2.60	ug/kg
1024-57-3	Heptachlor epoxide	21.4		0.29	2.60	ug/kg
959-98-8	Endosulfan I	22.5		0.21	2.60	ug/kg
60-57-1	Dieldrin	27.5		0.21	2.60	ug/kg
72-55-9	4,4-DDE	21.3		0.21	2.60	ug/kg
72-20-8	Endrin	20.9		0.21	2.60	ug/kg
33213-65-9	Endosulfan II	18.3		0.44	2.60	ug/kg
72-54-8	4,4-DDD	25.4	P	0.23	2.60	ug/kg
1031-07-8	Endosulfan Sulfate	24.8		0.20	2.60	ug/kg
50-29-3	4,4-DDT	24.1		0.21	2.60	ug/kg
72-43-5	Methoxychlor	27.2		0.57	2.60	ug/kg
53494-70-5	Endrin ketone	24.0	P	0.29	2.60	ug/kg
7421-93-4	Endrin aldehyde	20.8		0.57	2.60	ug/kg
5103-71-9	alpha-Chlordane	24.3		0.18	2.60	ug/kg
5103-74-2	gamma-Chlordane	24.8		0.23	2.60	ug/kg
8001-35-2	Toxaphene	8.30	U	8.30	50.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.5		20 - 144	53%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.5		19 - 148	68%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/07/25	
Project:	RFP 918		Date Received:	10/08/25	
Client Sample ID:	SS-01-0-1MSD		SDG No.:	Q3321	
Lab Sample ID:	Q3310-01MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	65.3	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097603.D	1	10/10/25 09:06	10/10/25 14:38	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:38
 Operator : AR\AJ
 Sample : Q3310-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SS-01-0-1MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/13/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:19:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.524	2.823	55132180	74708942	13.524m	12.275
2)	SA Decachlor...	8.994	7.978	31255707	39659800	10.511	7.643 #
Target Compounds							
2)	A alpha-BHC	3.970	3.328	283.2E6	361.1E6	41.986m	36.599
3)	MA gamma-BHC...	4.298	3.659	268.0E6	357.5E6	42.156m	38.918
4)	MA Heptachlor	4.888	4.006	259.5E6	319.0E6	40.234m	34.698
5)	MB Aldrin	5.228	4.288	250.9E6	323.4E6	41.727	37.289
6)	B beta-BHC	4.488	3.955	98801206	128.5E6	38.214	32.305
7)	B delta-BHC	4.732	4.187	265.3E6	326.0E6	43.684	36.087
8)	B Heptachlo...	5.647	4.789	245.0E6	272.2E6	42.081	34.470
9)	A Endosulfan I	6.027	5.160	219.4E6	245.7E6	44.128m	33.323
10)	B gamma-Chl...	5.901	5.041	264.1E6	373.3E6	48.660	42.936
11)	B alpha-Chl...	5.981	5.105	258.5E6	305.3E6	47.641	36.668
12)	B 4,4'-DDE	6.152	5.293	194.9E6	253.3E6	41.843	33.368
13)	MA Dieldrin	6.301	5.424	284.4E6	323.0E6	54.066	39.065 #
14)	MA Endrin	6.527	5.698	183.8E6	231.5E6	41.074	31.280
15)	B Endosulfa...	6.740	5.990	175.7E6	228.7E6	35.912	33.117
16)	A 4,4'-DDD	6.661	5.845	188.0E6	204.8E6	49.833	32.110 #
17)	MA 4,4'-DDT	6.974	6.097	192.2E6	246.6E6	47.400	37.008
18)	B Endrin al...	6.869	6.168	133.6E6	178.2E6	40.760	30.954
19)	B Endosulfa...	7.101	6.392	195.0E6	295.3E6	48.622m	44.350
20)	A Methoxychlor	7.449	6.668	111.5E6	136.5E6	53.368	37.459m#
21)	B Endrin ke...	7.581	6.896	201.5E6	209.2E6	47.051	26.478 #
22)	Mirex	8.059	7.085	125.9E6	146.1E6	40.520	27.314 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:38
Operator : AR\AJ
Sample : Q3310-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SS-01-0-1MSD

Manual Integrations

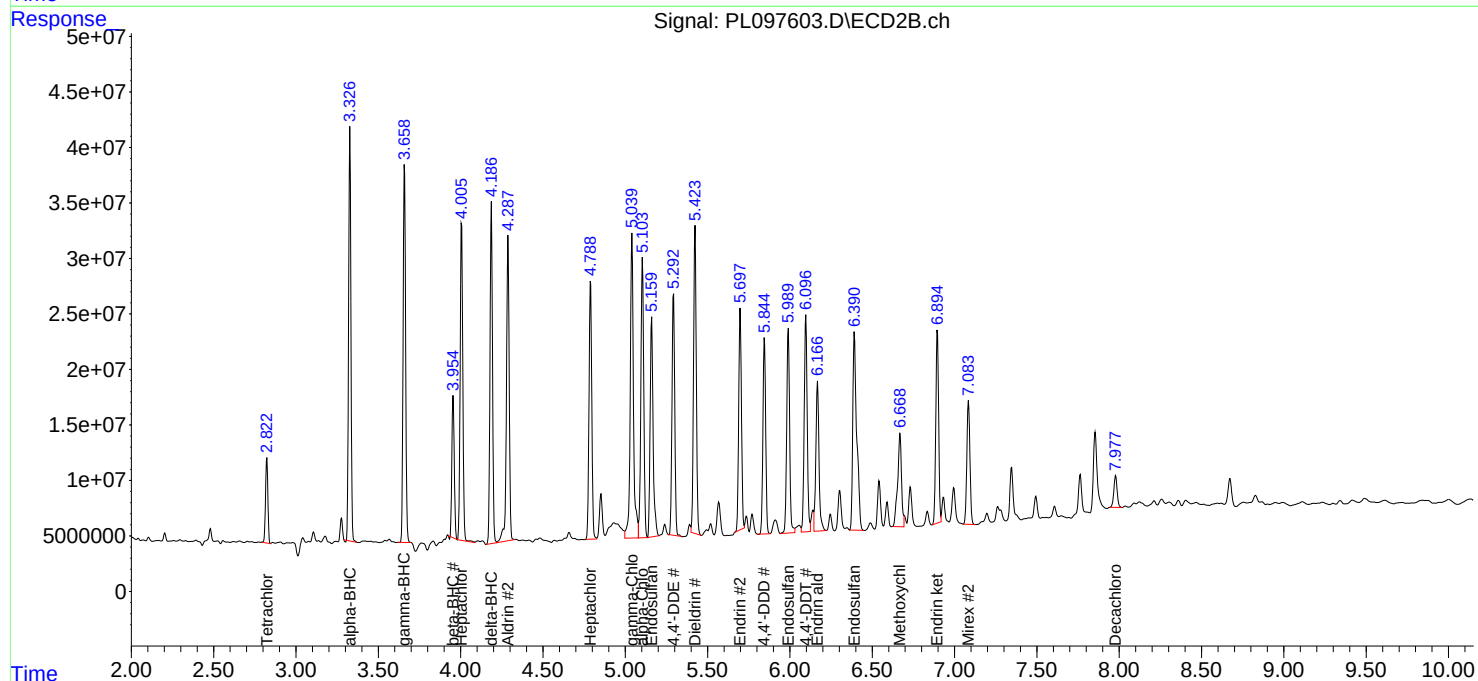
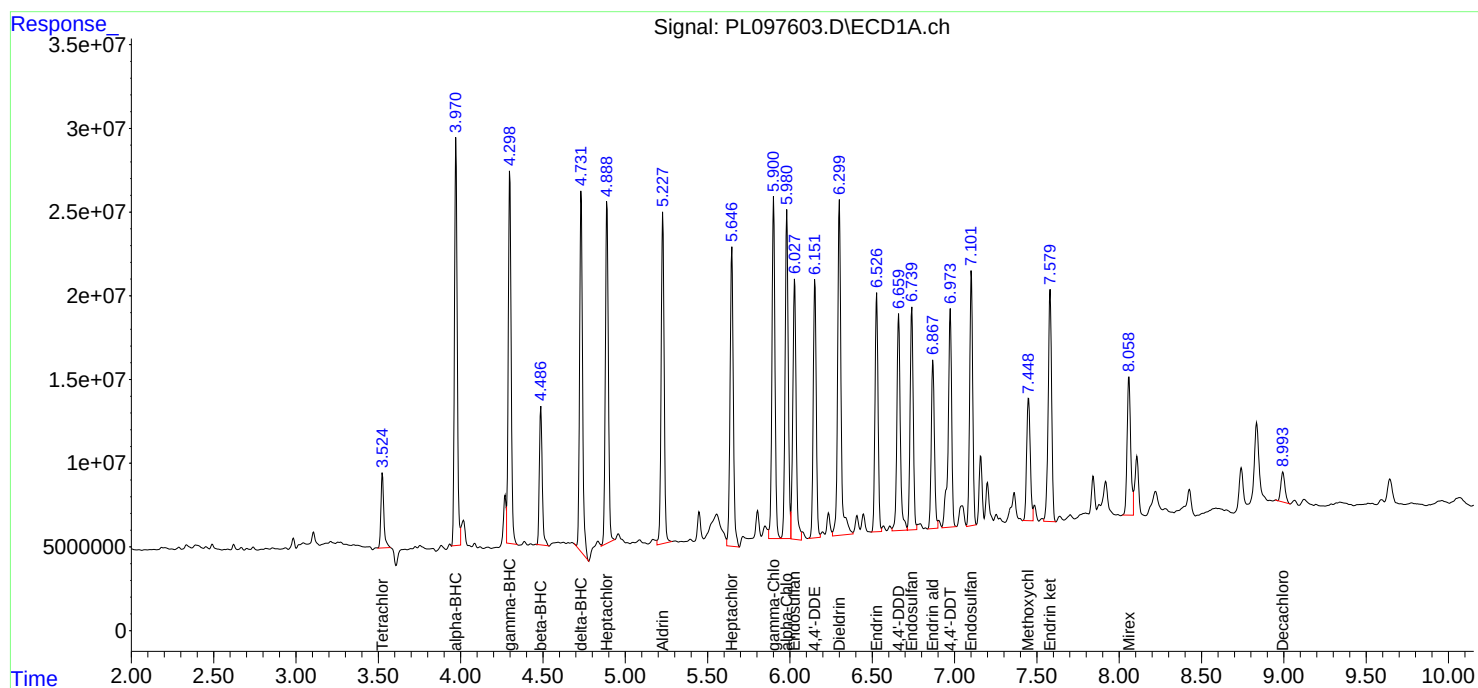
APPROVED

Reviewed By :Abdul Mirza 10/13/2025

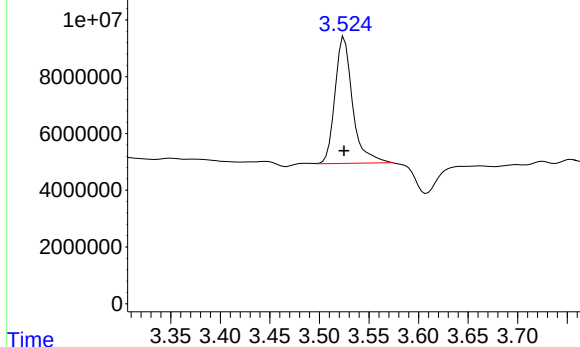
Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:19:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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 x0.25µm



Response_ Signal: PL097603.D\ECD1A.ch



#1 Tetrachloro-m-xylene

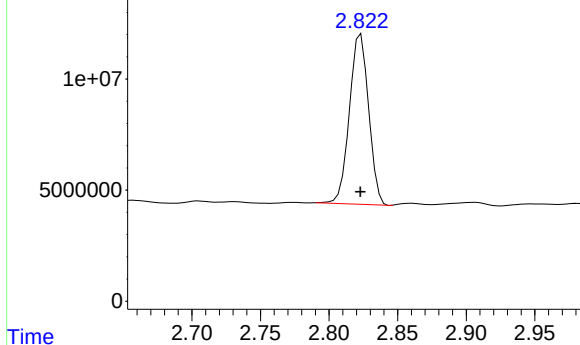
R.T.: 3.524 min
Delta R.T.: -0.001 min
Response: 55132180
Conc: 13.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

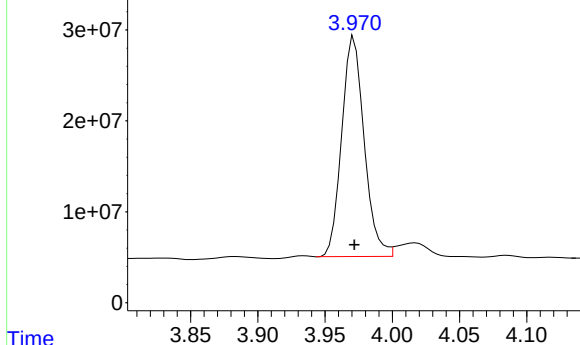
Time Response_ Signal: PL097603.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 74708942
Conc: 12.27 ng/ml

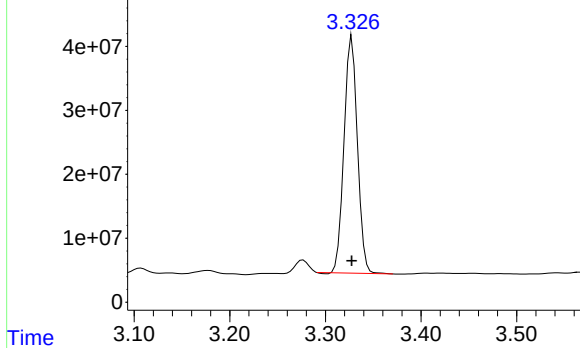
Time Response_ Signal: PL097603.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.970 min
Delta R.T.: -0.002 min
Response: 283222058
Conc: 41.99 ng/ml m

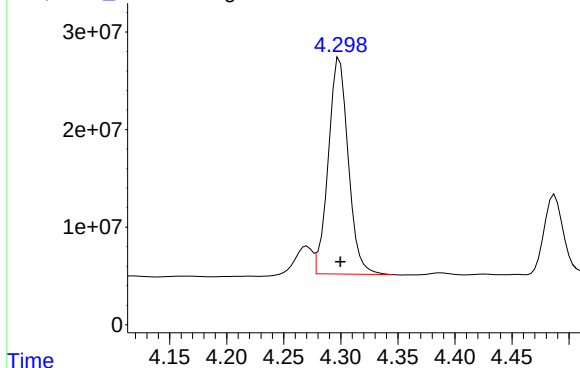
Time Response_ Signal: PL097603.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 361119452
Conc: 36.60 ng/ml

Response_ Signal: PL097603.D\ECD1A.ch



#3 gamma-BHC (Lindane)

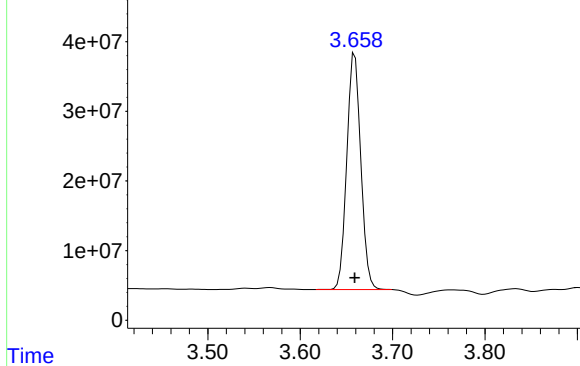
R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 267958321
Conc: 42.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

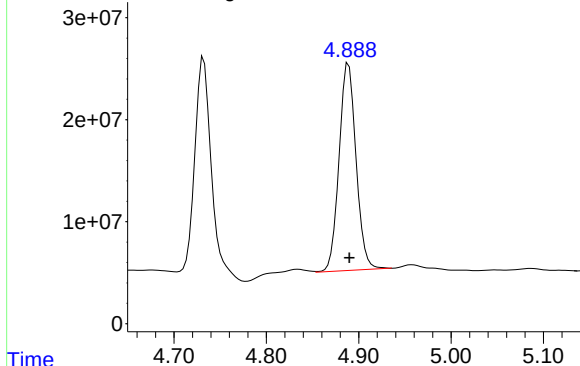
Time Response_ Signal: PL097603.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 357545987
Conc: 38.92 ng/ml

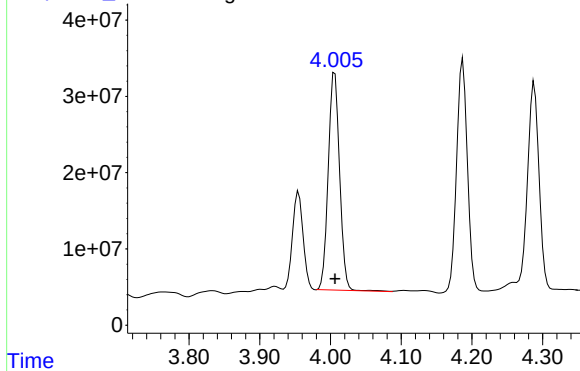
Time Response_ Signal: PL097603.D\ECD1A.ch



#4 Heptachlor

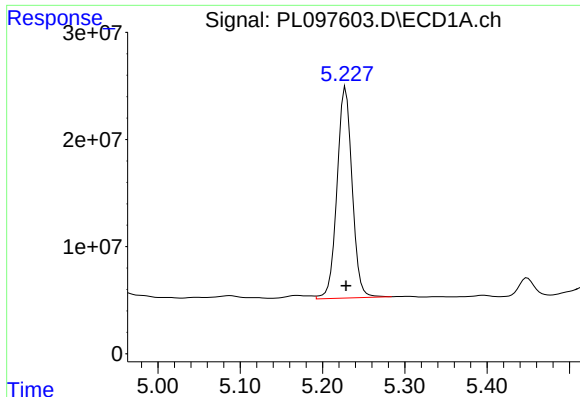
R.T.: 4.888 min
Delta R.T.: -0.002 min
Response: 259534932
Conc: 40.23 ng/ml m

Time Response_ Signal: PL097603.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 318956569
Conc: 34.70 ng/ml



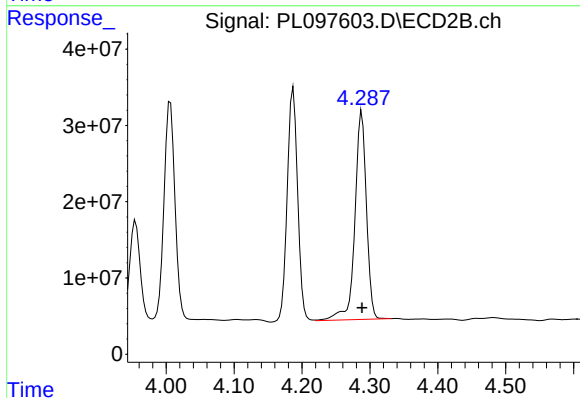
#5 Aldrin

R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 250890725
Conc: 41.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

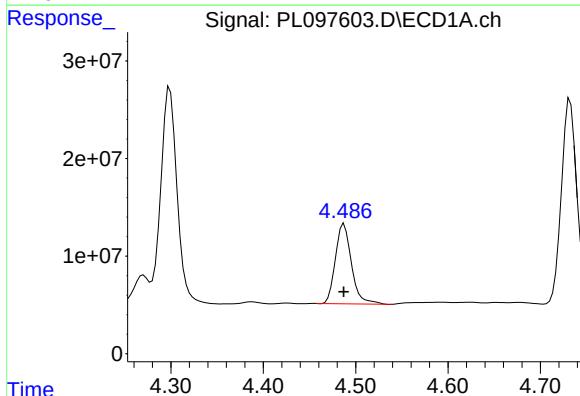
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



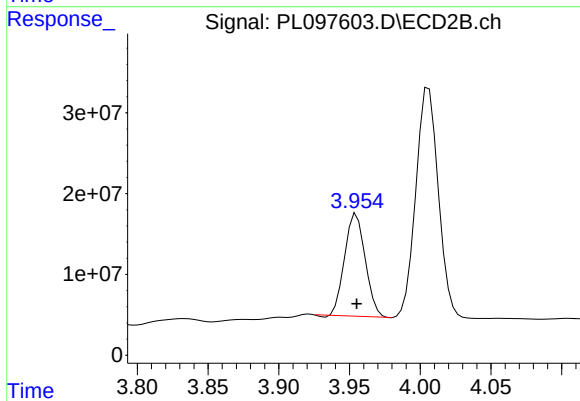
#5 Aldrin

R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 323360212
Conc: 37.29 ng/ml



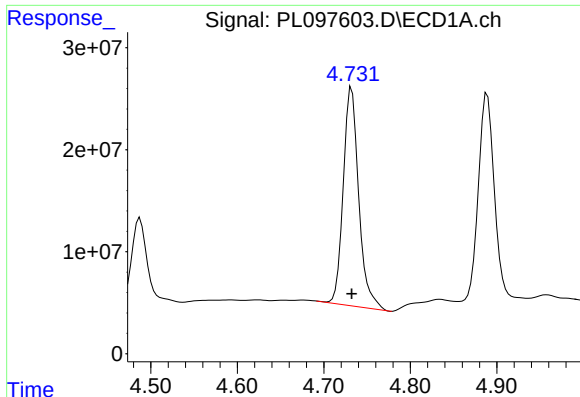
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 98801206
Conc: 38.21 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 128512118
Conc: 32.30 ng/ml



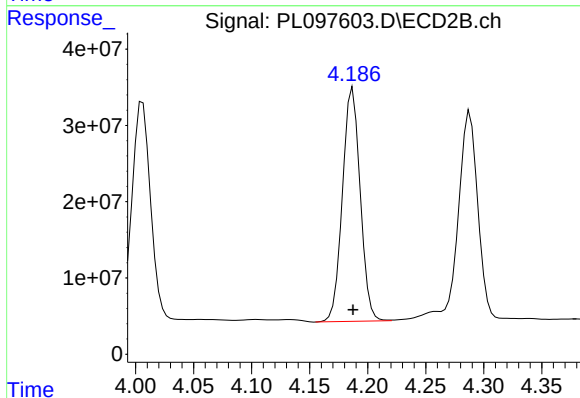
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 265275032
Conc: 43.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

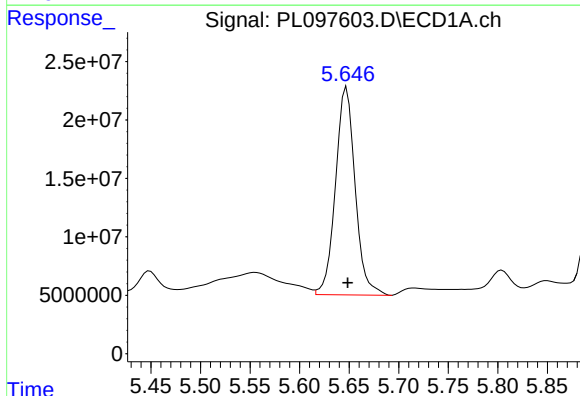
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



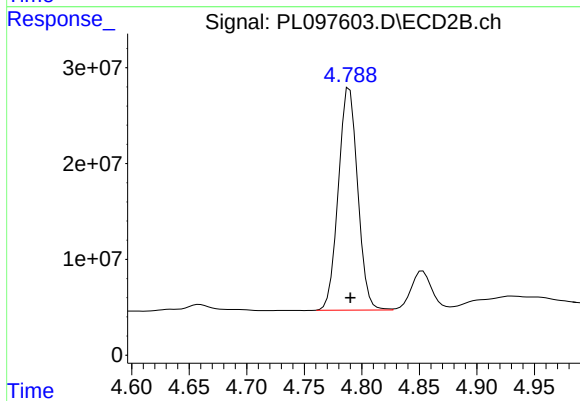
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 326007796
Conc: 36.09 ng/ml



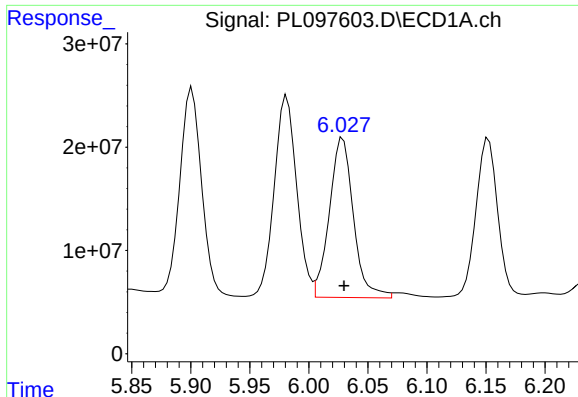
#8 Heptachlor epoxide

R.T.: 5.647 min
Delta R.T.: 0.000 min
Response: 245005385
Conc: 42.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.789 min
Delta R.T.: 0.000 min
Response: 272243717
Conc: 34.47 ng/ml



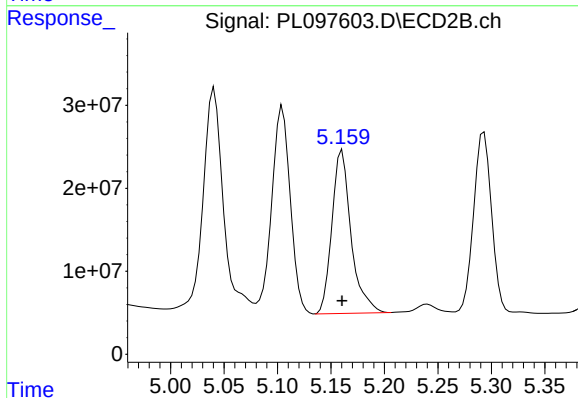
#9 Endosulfan I

R.T.: 6.027 min
Delta R.T.: -0.002 min
Response: 219377930
Conc: 44.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

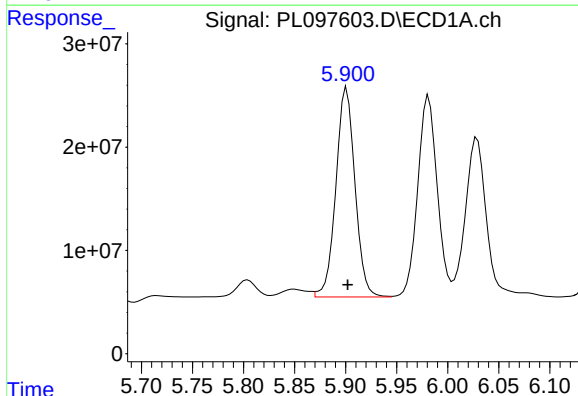
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



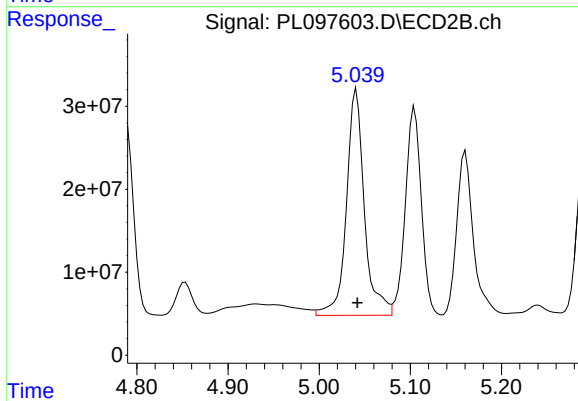
#9 Endosulfan I

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 245732709
Conc: 33.32 ng/ml



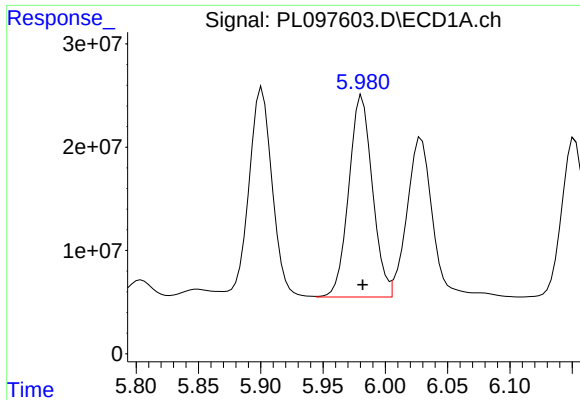
#10 gamma-Chlordane

R.T.: 5.901 min
Delta R.T.: 0.000 min
Response: 264098034
Conc: 48.66 ng/ml



#10 gamma-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 373252187
Conc: 42.94 ng/ml



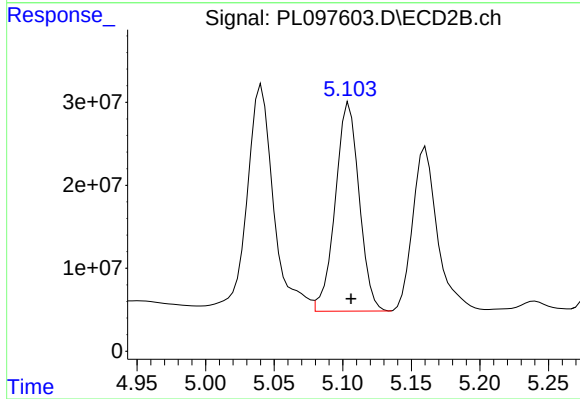
#11 alpha-Chlordane

R.T.: 5.981 min
Delta R.T.: 0.000 min
Response: 258522748
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

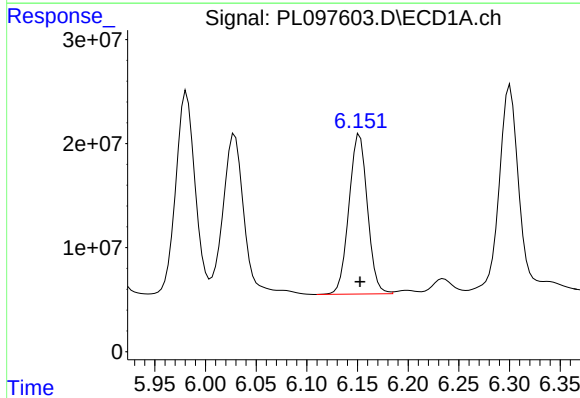
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



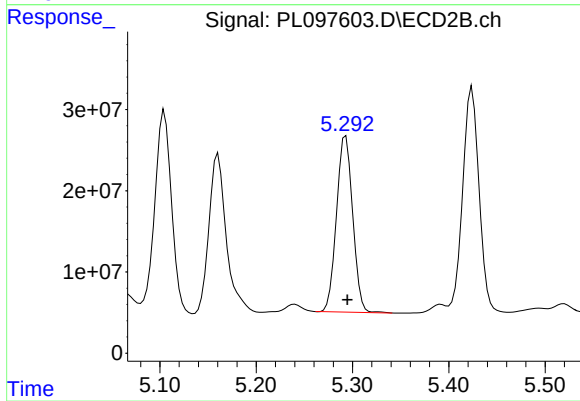
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: -0.001 min
Response: 305339297
Conc: 36.67 ng/ml



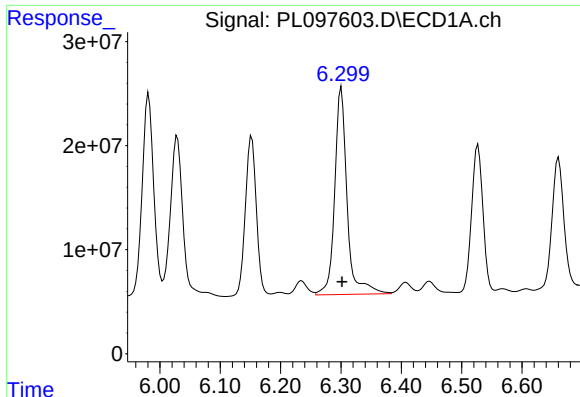
#12 4,4'-DDE

R.T.: 6.152 min
Delta R.T.: 0.000 min
Response: 194870371
Conc: 41.84 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.001 min
Response: 253342618
Conc: 33.37 ng/ml



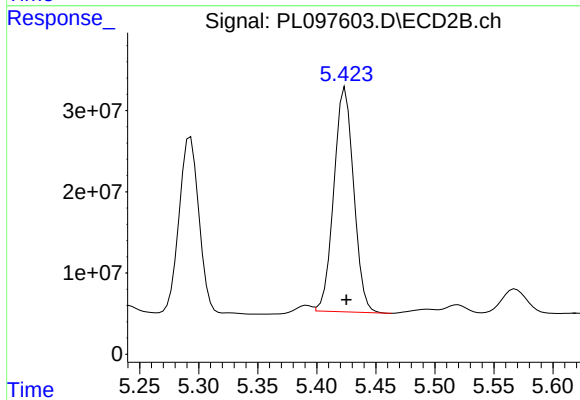
#13 Dieldrin

R.T.: 6.301 min
Delta R.T.: -0.001 min
Response: 284415359
Conc: 54.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

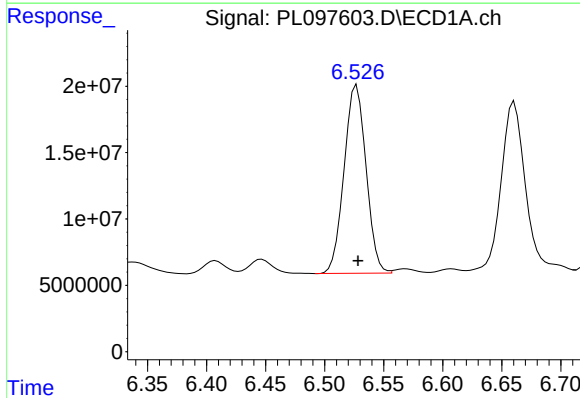
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



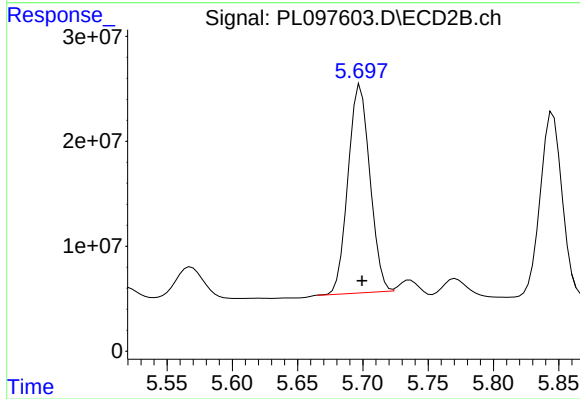
#13 Dieldrin

R.T.: 5.424 min
Delta R.T.: 0.000 min
Response: 323004733
Conc: 39.07 ng/ml



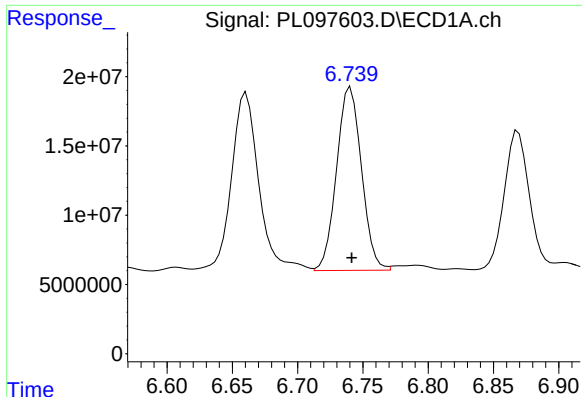
#14 Endrin

R.T.: 6.527 min
Delta R.T.: -0.001 min
Response: 183777395
Conc: 41.07 ng/ml



#14 Endrin

R.T.: 5.698 min
Delta R.T.: -0.001 min
Response: 231516883
Conc: 31.28 ng/ml



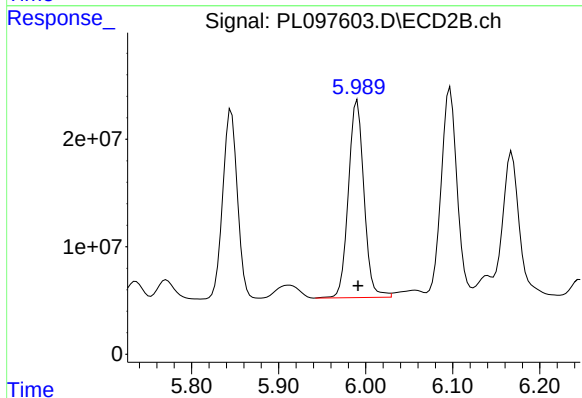
#15 Endosulfan II

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 175685697
Conc: 35.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

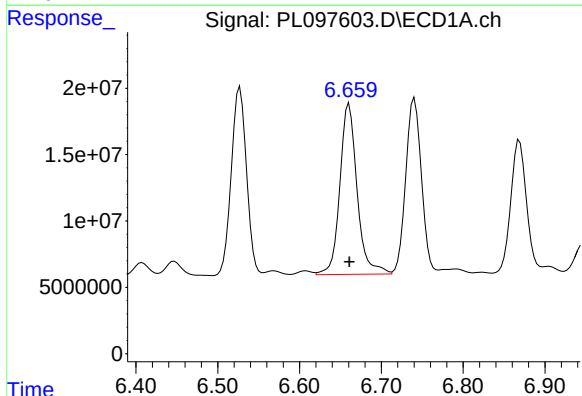
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



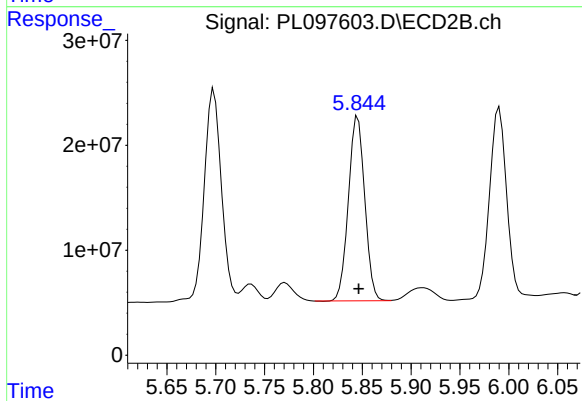
#15 Endosulfan II

R.T.: 5.990 min
Delta R.T.: 0.000 min
Response: 228672478
Conc: 33.12 ng/ml



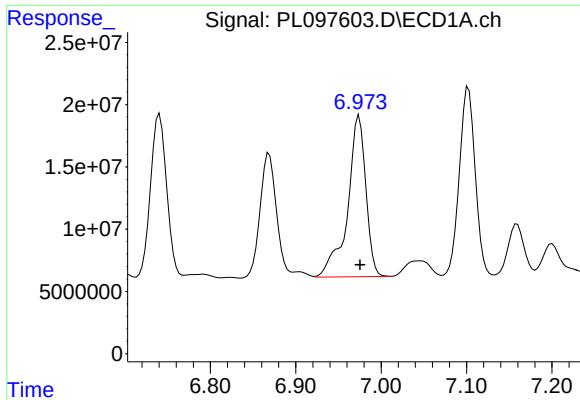
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 188043807
Conc: 49.83 ng/ml



#16 4,4'-DDD

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 204825487
Conc: 32.11 ng/ml



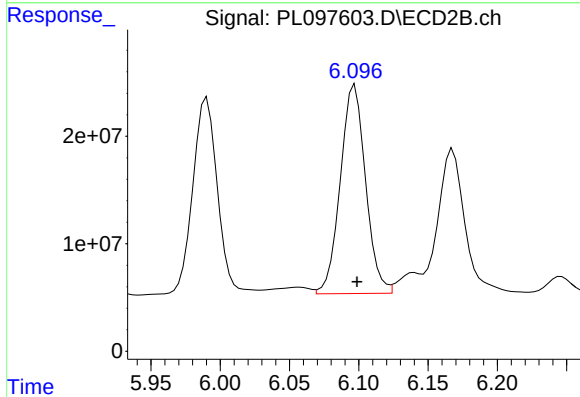
#17 4,4'-DDT

R.T.: 6.974 min
Delta R.T.: -0.001 min
Response: 192193521
Conc: 47.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

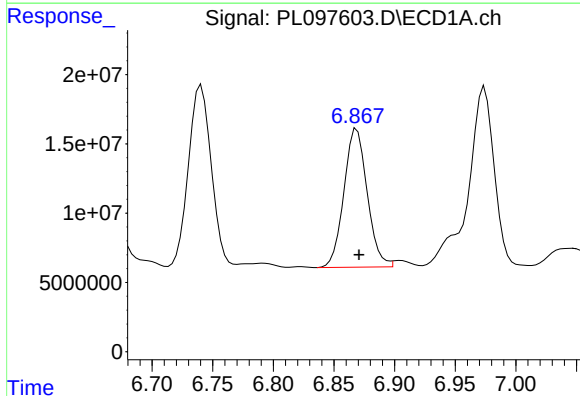
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



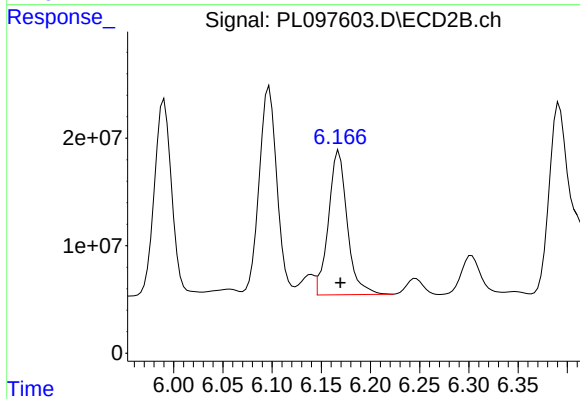
#17 4,4'-DDT

R.T.: 6.097 min
Delta R.T.: -0.002 min
Response: 246600539
Conc: 37.01 ng/ml



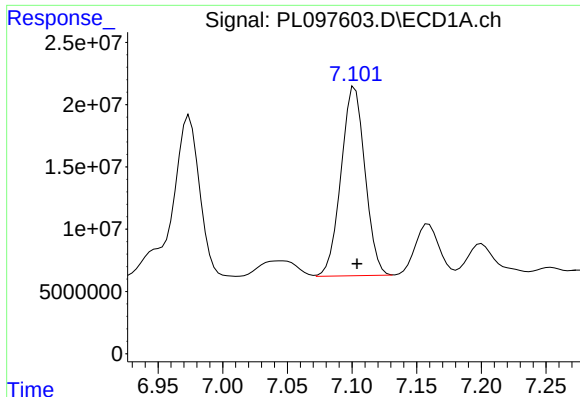
#18 Endrin aldehyde

R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 133560590
Conc: 40.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 178246635
Conc: 30.95 ng/ml



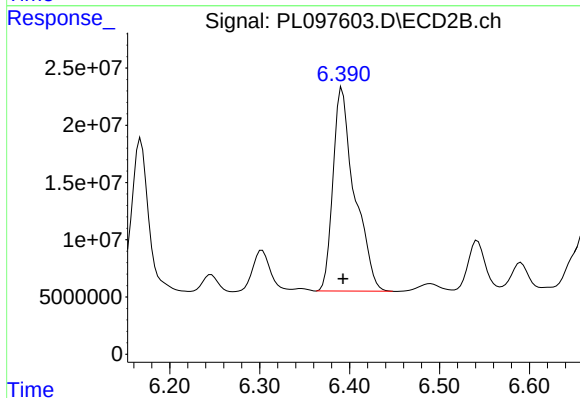
#19 Endosulfan Sulfate

R.T.: 7.101 min
Delta R.T.: -0.003 min
Response: 194967842
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

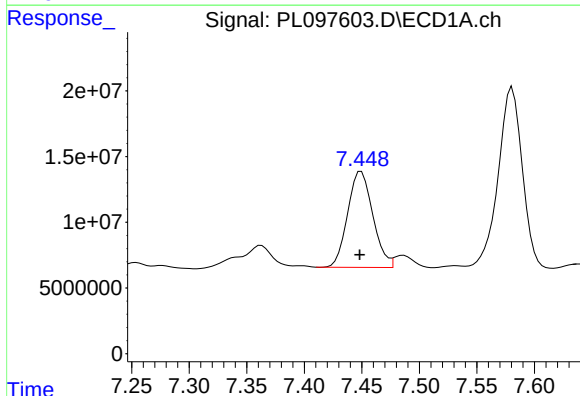
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



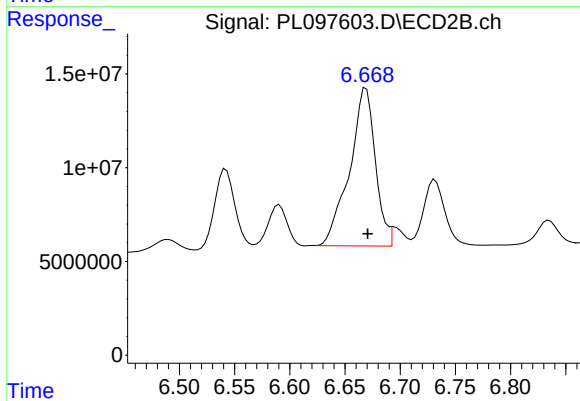
#19 Endosulfan Sulfate

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 295277085
Conc: 44.35 ng/ml



#20 Methoxychlor

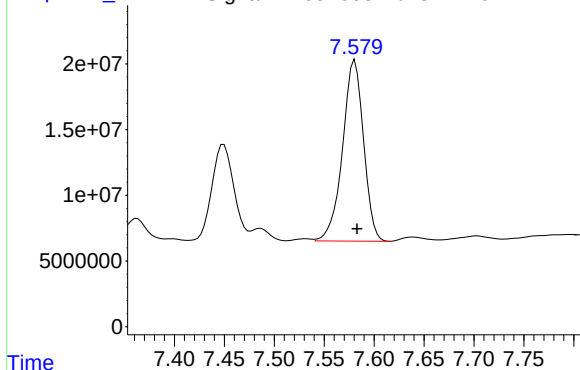
R.T.: 7.449 min
Delta R.T.: 0.001 min
Response: 111485981
Conc: 53.37 ng/ml



#20 Methoxychlor

R.T.: 6.668 min
Delta R.T.: -0.003 min
Response: 136545174
Conc: 37.46 ng/ml m

Response_ Signal: PL097603.D\ECD1A.ch



#21 Endrin ketone

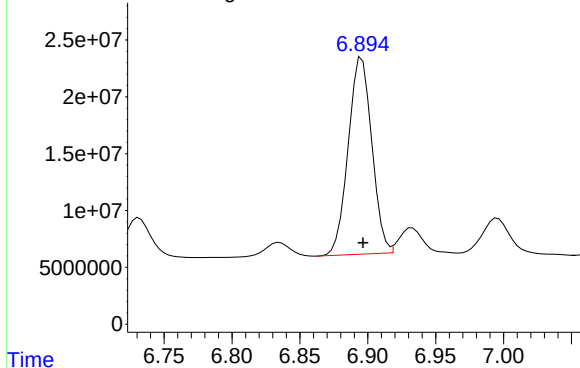
R.T.: 7.581 min
Delta R.T.: -0.002 min
Response: 201460229
Conc: 47.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025

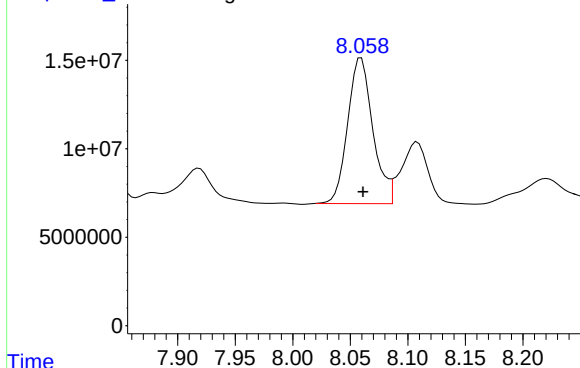
Time Response_ Signal: PL097603.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: 0.000 min
Response: 209170386
Conc: 26.48 ng/ml

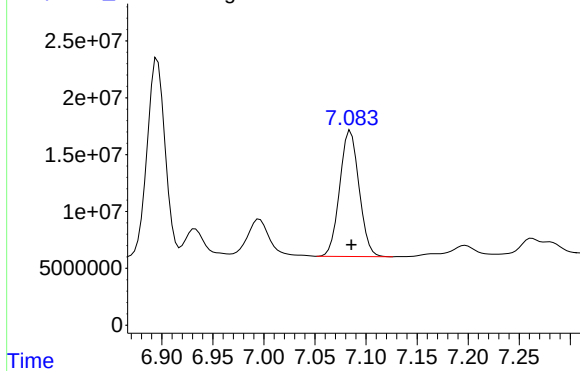
Time Response_ Signal: PL097603.D\ECD1A.ch



#22 Mirex

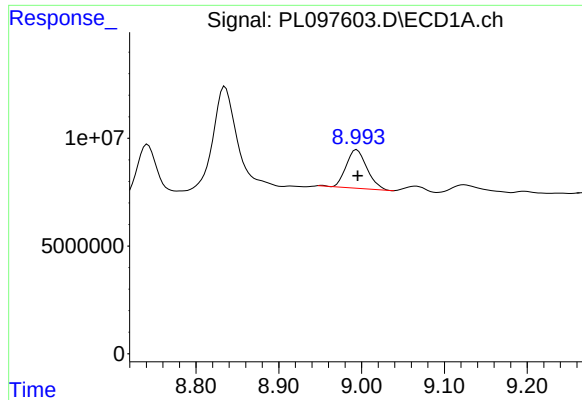
R.T.: 8.059 min
Delta R.T.: -0.002 min
Response: 125914012
Conc: 40.52 ng/ml

Time Response_ Signal: PL097603.D\ECD2B.ch



#22 Mirex

R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 146127282
Conc: 27.31 ng/ml



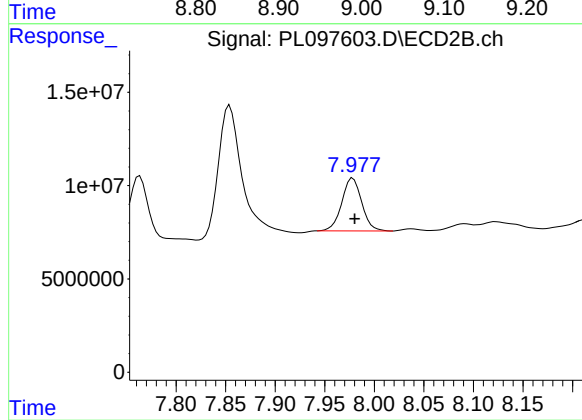
#28 Decachlorobiphenyl

R.T.: 8.994 min
Delta R.T.: -0.001 min
Response: 31255707
Conc: 10.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.978 min
Delta R.T.: -0.002 min
Response: 39659800
Conc: 7.64 ng/ml

Manual Integration Report

Sequence:	PL100725	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097524.D	Endrin aldehyde	Abdul	10/8/2025 8:59:59 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PEM	PL097524.D	Endrin ketone	Abdul	10/8/2025 8:59:59 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
RESCHK	PL097525.D	Dieldrin #2	Abdul	10/8/2025 9:00:03 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
RESCHK	PL097525.D	gamma-Chlordane	Abdul	10/8/2025 9:00:03 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
RESCHK	PL097525.D	gamma-Chlordane #2	Abdul	10/8/2025 9:00:03 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
RESCHK	PL097525.D	Methoxychlor	Abdul	10/8/2025 9:00:03 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	4,4"-DDD	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	alpha-Chlordane	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	Endosulfan I	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	Endrin	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	gamma-Chlordane	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	Heptachlor epoxide	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	Methoxychlor	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software

Manual Integration Report

Sequence:	PL100725	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC025	PL097529.D	Endrin	Abdul	10/8/2025 9:00:11 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	4,4"-DDD	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	4,4"-DDD #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	alpha-Chlordane #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Endosulfan I #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Endosulfan II	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Endrin ketone	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Endrin ketone #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	gamma-Chlordane #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Heptachlor	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Heptachlor epoxide	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Methoxychlor	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PCHLORICV500	PL097542.D	Chlordane-1	Abdul	10/8/2025 9:00:32 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software

Manual Integration Report

Sequence:	PL100725	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097545.D	Endrin aldehyde	Abdul	10/8/2025 9:00:35 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDCCC050	PL097546.D	4,4"-DDD	Abdul	10/8/2025 9:00:39 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDCCC050	PL097546.D	Heptachlor epoxide #2	Abdul	10/8/2025 9:00:39 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDCCC050	PL097546.D	Methoxychlor	Abdul	10/8/2025 9:00:39 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDCCC050	PL097559.D	Methoxychlor #2	Abdul	10/8/2025 8:59:17 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software

Manual Integration Report

Sequence:	pl101025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097597.D	4,4"-DDD	Abdul	10/13/2025 8:48:00 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PEM	PL097597.D	4,4"-DDE	Abdul	10/13/2025 8:48:00 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PEM	PL097597.D	4,4"-DDE #2	Abdul	10/13/2025 8:48:00 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PEM	PL097597.D	Endrin aldehyde	Abdul	10/13/2025 8:48:00 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	4,4"-DDD	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	alpha-Chlordane	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	Endosulfan I	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	Endrin aldehyde	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	gamma-Chlordane	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Aldrin	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Aldrin #2	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	beta-BHC #2	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Endosulfan I	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software

Manual Integration Report

Sequence:	pl101025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3310-01MS	PL097602.D	Endosulfan Sulfate	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	gamma-BHC (Lindane)	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Heptachlor	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Methoxychlor #2	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Tetrachloro-m-xylene	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	alpha-BHC	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Endosulfan I	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Endosulfan Sulfate	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	gamma-BHC (Lindane)	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Heptachlor	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Methoxychlor #2	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Tetrachloro-m-xylene	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3321-01	PL097605.D	Decachlorobiphenyl	Abdul	10/13/2025 8:48:22 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software

Manual Integration Report

Sequence:	pl101025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3321-01	PL097605.D	Endrin	Abdul	10/13/2025 8:48:22 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3321-01	PL097605.D	Endrin #2	Abdul	10/13/2025 8:48:22 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097610.D	4,4"-DDD	Abdul	10/13/2025 8:48:30 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097610.D	Endosulfan II	Abdul	10/13/2025 8:48:30 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097610.D	gamma-Chlordane	Abdul	10/13/2025 8:48:30 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097610.D	Heptachlor epoxide	Abdul	10/13/2025 8:48:30 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 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	PL097522.D	07 Oct 2025 09:39	AR\AJ	Ok
2	I.BLK	PL097523.D	07 Oct 2025 09:53	AR\AJ	Ok
3	PEM	PL097524.D	07 Oct 2025 10:06	AR\AJ	Ok,M
4	RESCHK	PL097525.D	07 Oct 2025 10:20	AR\AJ	Ok,M
5	PSTDICC100	PL097526.D	07 Oct 2025 10:33	AR\AJ	Ok
6	PSTDICC075	PL097527.D	07 Oct 2025 10:47	AR\AJ	Ok,M
7	PSTDICC050	PL097528.D	07 Oct 2025 11:00	AR\AJ	Ok
8	PSTDICC025	PL097529.D	07 Oct 2025 11:41	AR\AJ	Ok,M
9	PSTDICC005	PL097530.D	07 Oct 2025 11:55	AR\AJ	Ok,M
10	PCHLORICC1000	PL097531.D	07 Oct 2025 12:38	AR\AJ	Ok
11	PCHLORICC750	PL097532.D	07 Oct 2025 12:52	AR\AJ	Ok
12	PCHLORICC500	PL097533.D	07 Oct 2025 13:05	AR\AJ	Ok
13	PCHLORICC250	PL097534.D	07 Oct 2025 13:19	AR\AJ	Ok,M
14	PCHLORICC050	PL097535.D	07 Oct 2025 13:32	AR\AJ	Ok,M
15	PTOXICC1000	PL097536.D	07 Oct 2025 13:46	AR\AJ	Ok
16	PTOXICC750	PL097537.D	07 Oct 2025 14:00	AR\AJ	Ok,M
17	PTOXICC500	PL097538.D	07 Oct 2025 14:13	AR\AJ	Ok
18	PTOXICC250	PL097539.D	07 Oct 2025 14:59	AR\AJ	Ok
19	PTOXICC100	PL097540.D	07 Oct 2025 15:13	AR\AJ	Ok,M
20	PSTDICV050	PL097541.D	07 Oct 2025 15:26	AR\AJ	Ok
21	PCHLORICV500	PL097542.D	07 Oct 2025 15:55	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 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	PL097543.D	07 Oct 2025 16:08	AR\AJ	Ok
23	I.BLK	PL097544.D	07 Oct 2025 16:22	AR\AJ	Ok
24	PEM	PL097545.D	07 Oct 2025 16:36	AR\AJ	Ok,M
25	PSTDCCC050	PL097546.D	07 Oct 2025 16:56	AR\AJ	Ok,M
26	PB169968BL	PL097547.D	07 Oct 2025 17:23	AR\AJ	Ok
27	PB170003BL	PL097548.D	07 Oct 2025 17:37	AR\AJ	Ok
28	PB170003BS	PL097549.D	07 Oct 2025 17:50	AR\AJ	Ok
29	Q3294-01	PL097550.D	07 Oct 2025 18:04	AR\AJ	Ok,M
30	Q3295-01	PL097551.D	07 Oct 2025 18:17	AR\AJ	Ok,M
31	Q3295-03	PL097552.D	07 Oct 2025 18:31	AR\AJ	Ok,M
32	Q3296-01	PL097553.D	07 Oct 2025 18:44	AR\AJ	Ok,M
33	Q3297-01	PL097554.D	07 Oct 2025 18:58	AR\AJ	Ok,M
34	Q3297-01MS	PL097555.D	07 Oct 2025 19:12	AR\AJ	Not Ok
35	Q3297-01MSD	PL097556.D	07 Oct 2025 19:25	AR\AJ	Not Ok
36	Q3297-11	PL097557.D	07 Oct 2025 19:39	AR\AJ	Ok,M
37	I.BLK	PL097558.D	07 Oct 2025 19:52	AR\AJ	Ok
38	PSTDCCC050	PL097559.D	07 Oct 2025 21:14	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL101025

Review By	Abdul	Review On	10/13/2025 8:49:00 AM
Supervise By	mohammad	Supervise On	10/14/2025 2:49:44 AM
SubDirectory	PL101025	HP Acquire Method	HP Processing Method pl100725 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	PL097595.D	10 Oct 2025 09:57	AR\AJ	Ok
2	I.BLK	PL097596.D	10 Oct 2025 10:11	AR\AJ	Ok
3	PEM	PL097597.D	10 Oct 2025 10:24	AR\AJ	Ok,M
4	PSTDCCC050	PL097598.D	10 Oct 2025 13:05	AR\AJ	Ok,M
5	PB170054BL	PL097599.D	10 Oct 2025 13:44	AR\AJ	Ok
6	PB170054BS	PL097600.D	10 Oct 2025 13:58	AR\AJ	Not Ok
7	Q3310-01	PL097601.D	10 Oct 2025 14:11	AR\AJ	Ok,M
8	Q3310-01MS	PL097602.D	10 Oct 2025 14:25	AR\AJ	Ok,M
9	Q3310-01MSD	PL097603.D	10 Oct 2025 14:38	AR\AJ	Ok,M
10	Q3310-02	PL097604.D	10 Oct 2025 14:52	AR\AJ	Ok,M
11	Q3321-01	PL097605.D	10 Oct 2025 15:05	AR\AJ	Ok,M
12	Q3310-03	PL097606.D	10 Oct 2025 15:19	AR\AJ	Ok,M
13	Q3322-01	PL097607.D	10 Oct 2025 15:32	AR\AJ	Ok,M
14	PB170054BS	PL097608.D	10 Oct 2025 16:51	AR\AJ	Ok
15	I.BLK	PL097609.D	10 Oct 2025 17:07	AR\AJ	Ok
16	PSTDCCC050	PL097610.D	10 Oct 2025 17:20	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 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	PL097522.D	07 Oct 2025 09:39		AR\AJ	Ok
2	I.BLK	I.BLK	PL097523.D	07 Oct 2025 09:53		AR\AJ	Ok
3	PEM	PEM	PL097524.D	07 Oct 2025 10:06		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL097525.D	07 Oct 2025 10:20		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL097526.D	07 Oct 2025 10:33		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL097527.D	07 Oct 2025 10:47		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL097528.D	07 Oct 2025 11:00		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL097529.D	07 Oct 2025 11:41		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL097530.D	07 Oct 2025 11:55		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL097531.D	07 Oct 2025 12:38		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL097532.D	07 Oct 2025 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL097533.D	07 Oct 2025 13:05		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL097534.D	07 Oct 2025 13:19		AR\AJ	Ok,M
14	PCHLORICC050	PCHLORICC050	PL097535.D	07 Oct 2025 13:32		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL097536.D	07 Oct 2025 13:46		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL097537.D	07 Oct 2025 14:00		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL097538.D	07 Oct 2025 14:13		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL097539.D	07 Oct 2025 14:59		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 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	PL097540.D	07 Oct 2025 15:13		AR\AJ	Ok,M
20	PSTDICV050	ICVPL100725	PL097541.D	07 Oct 2025 15:26		AR\AJ	Ok
21	PCHLORICV500	ICVPL100725CHLOR	PL097542.D	07 Oct 2025 15:55		AR\AJ	Ok,M
22	PTOXICV500	ICVPL100725TOX	PL097543.D	07 Oct 2025 16:08		AR\AJ	Ok
23	I.BLK	I.BLK	PL097544.D	07 Oct 2025 16:22		AR\AJ	Ok
24	PEM	PEM	PL097545.D	07 Oct 2025 16:36		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL097546.D	07 Oct 2025 16:56		AR\AJ	Ok,M
26	PB169968BL	PB169968BL	PL097547.D	07 Oct 2025 17:23		AR\AJ	Ok
27	PB170003BL	PB170003BL	PL097548.D	07 Oct 2025 17:37		AR\AJ	Ok
28	PB170003BS	PB170003BS	PL097549.D	07 Oct 2025 17:50		AR\AJ	Ok
29	Q3294-01	HD-02-10062025	PL097550.D	07 Oct 2025 18:04		AR\AJ	Ok,M
30	Q3295-01	EO-01-10062025	PL097551.D	07 Oct 2025 18:17		AR\AJ	Ok,M
31	Q3295-03	EO-02-10062025	PL097552.D	07 Oct 2025 18:31		AR\AJ	Ok,M
32	Q3296-01	SU-04-10062025	PL097553.D	07 Oct 2025 18:44		AR\AJ	Ok,M
33	Q3297-01	TP1	PL097554.D	07 Oct 2025 18:58		AR\AJ	Ok,M
34	Q3297-01MS	TP1MS	PL097555.D	07 Oct 2025 19:12	some compound recovery fail	AR\AJ	Not Ok
35	Q3297-01MSD	TP1MSD	PL097556.D	07 Oct 2025 19:25	some compound recovery fail , RPD fail for almost all compound	AR\AJ	Not Ok
36	Q3297-11	TP2	PL097557.D	07 Oct 2025 19:39		AR\AJ	Ok,M
37	I.BLK	I.BLK	PL097558.D	07 Oct 2025 19:52		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 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			
38	PSTDCCC050	PSTDCCC050	PL097559.D
			07 Oct 2025 21:14
			ARIAJ
			Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL101025

Review By	Abdul	Review On	10/13/2025 8:49:00 AM
Supervise By	mohammad	Supervise On	10/14/2025 2:49:44 AM
SubDirectory	PL101025	HP Acquire Method	HP Processing Method pl100725 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	PL097595.D	10 Oct 2025 09:57		AR\AJ	Ok
2	I.BLK	I.BLK	PL097596.D	10 Oct 2025 10:11		AR\AJ	Ok
3	PEM	PEM	PL097597.D	10 Oct 2025 10:24		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL097598.D	10 Oct 2025 13:05		AR\AJ	Ok,M
5	PB170054BL	PB170054BL	PL097599.D	10 Oct 2025 13:44		AR\AJ	Ok
6	PB170054BS	PB170054BS	PL097600.D	10 Oct 2025 13:58	RECOVERY FAIL.	AR\AJ	Not Ok
7	Q3310-01	SS-01-0-1	PL097601.D	10 Oct 2025 14:11		AR\AJ	Ok,M
8	Q3310-01MS	SS-01-0-1MS	PL097602.D	10 Oct 2025 14:25		AR\AJ	Ok,M
9	Q3310-01MSD	SS-01-0-1MSD	PL097603.D	10 Oct 2025 14:38		AR\AJ	Ok,M
10	Q3310-02	SS-01-1-2	PL097604.D	10 Oct 2025 14:52		AR\AJ	Ok,M
11	Q3321-01	P001-DS-01	PL097605.D	10 Oct 2025 15:05		AR\AJ	Ok,M
12	Q3310-03	SS-01-2-3	PL097606.D	10 Oct 2025 15:19		AR\AJ	Ok,M
13	Q3322-01	OR-02-100925	PL097607.D	10 Oct 2025 15:32		AR\AJ	Ok,M
14	PB170054BS	PB170054BS	PL097608.D	10 Oct 2025 16:51		AR\AJ	Ok
15	I.BLK	I.BLK	PL097609.D	10 Oct 2025 17:07		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL097610.D	10 Oct 2025 17:20		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 10/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137480

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
Q3300-01	OIL	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3310-01	SS-01-0-1	2	1.15	10.03	11.18	7.7	65.3	
Q3310-02	SS-01-1-2	3	1.12	10.62	11.74	8.81	72.4	
Q3310-03	SS-01-2-3	4	1.16	10.56	11.72	9.09	75.1	
Q3321-01	P001-DS-01	5	1.16	10.56	11.72	9.44	78.4	
Q3322-01	OR-02-100925	6	1.11	10.33	11.44	10.72	93.0	
Q3322-02	OR-02-100925-E2	7	1.12	11.11	12.23	11.55	93.9	

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

WORKLIST(Hardcopy Internal Chain)

137480

WorkList Name : %1-100925

WorkList ID : 192359

Department : Wet-Chemistry

Date : 10-09-2025 08:08:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3310-01	SS-01-0-1	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-02	SS-01-1-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-03	SS-01-2-3	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3321-01	P001-DS-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/08/2025	Chemtech -SO
Q3322-01	OR-02-100925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO
Q3322-02	OR-02-100925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO

Date/Time 10/09/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time

10/09/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/10/2025

Extraction Start Time : 09:06

Extraction End Date : 10/10/2025

Extraction End Time : 12:15

Concentration By: EH

Supervisor By : ritesh

Extraction Method: ☐ Separatory Funnel ☐ Continious 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	EP2646
Sand	N/A	E3951
Hexane	N/A	E3974
Florisil	N/A	E3927
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.

KD Bath ID: N/A

Envap ID: NE VAP-02

KD Bath Temperature: N/A

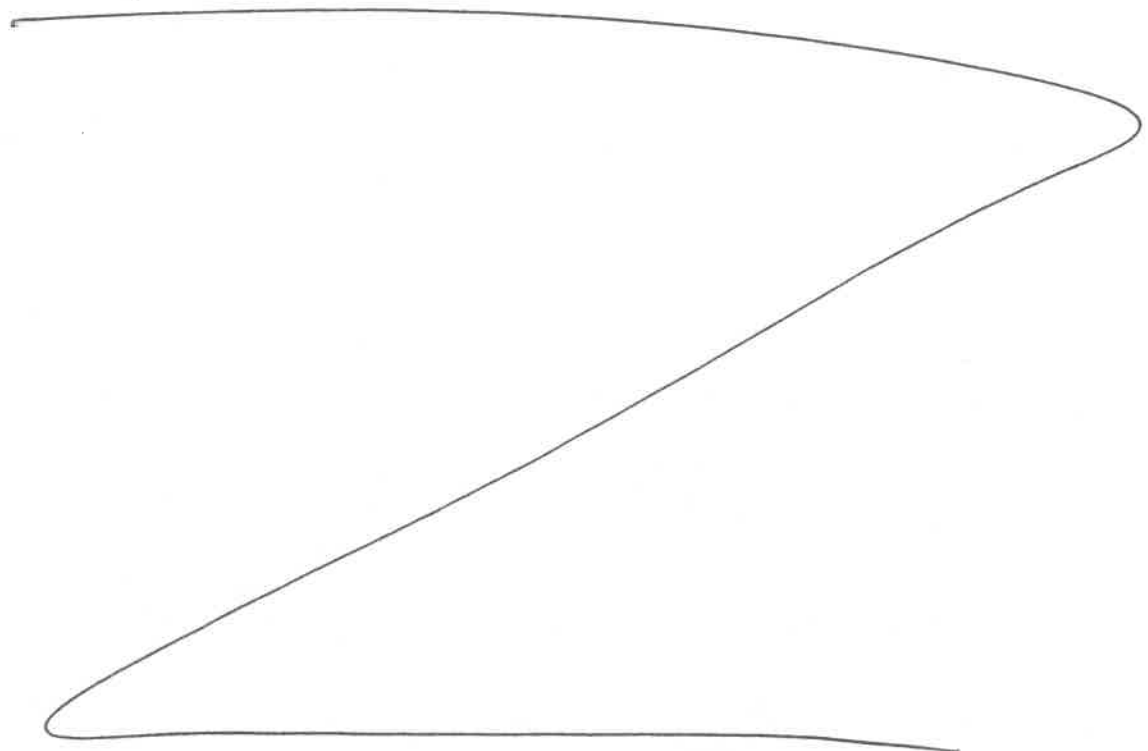
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/10/25	RJ (EXT-Lab)	RJ (EXT-Lab)
12:20	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/10/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170054BL	PBLK054	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U4-1
PB170054BS	PLCS054	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q3310-01	SS-01-0-1	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		3
Q3310-01MS	SS-01-0-1MS	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		4
Q3310-01MS D	SS-01-0-1MSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5
Q3310-02	SS-01-1-2	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		6
Q3310-03	SS-01-2-3	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		U6-1
Q3321-01	P001-DS-01	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		2
Q3322-01	OR-02-100925	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3



RJ
10/10

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3310 WorkList ID : 192387 Department : Extraction Date : 10-10-2025 09:01:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3310-01	SS-01-0-1	Solid	Pesticide-TCL	Cool 4 deg C	LANG01	D31	10/07/2025	8081B
Q3310-02	SS-01-1-2	Solid	Pesticide-TCL	Cool 4 deg C	LANG01	D31	10/07/2025	8081B
Q3310-03	SS-01-2-3	Solid	Pesticide-TCL	Cool 4 deg C	LANG01	D31	10/07/2025	8081B
Q3321-01	P001-DS-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	D41	10/08/2025	8081B
Q3322-01	OR-02-100925	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	10/09/2025	8081B

Date/Time 10/10/25 9:01
 Raw Sample Received by: RJ LETA-1006
 Raw Sample Relinquished by: [Signature]

Date/Time 10/10/25 9:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RJ LETA-1006

Prep Standard - Chemical Standard Summary

Order ID : Q3321
Test : Pesticide-TCL
Prepbatch ID : PB170054,
Sequence ID/Qc Batch ID: PL101025,

Standard ID :
EP2643,EP2646,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,E3927,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3974,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,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	EP2646	09/26/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
09/26/2025								

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 #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

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

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	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

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 #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/10/2027	09/26/2025 / Riteshkumar	09/26/2025 / Riteshkumar	E3974

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - 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 3974

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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

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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

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Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

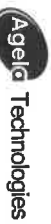
CAT# FS0006



固相萃取产品



Made in China



E3927



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

Harout Sahagian

Recd. by RI on 6/11/25

Harout Sahagian - Quality Control Manager - Fair Lawn

E3941

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

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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



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

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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



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
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P130431
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%

P 13039
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 P13043
 1
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 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.)

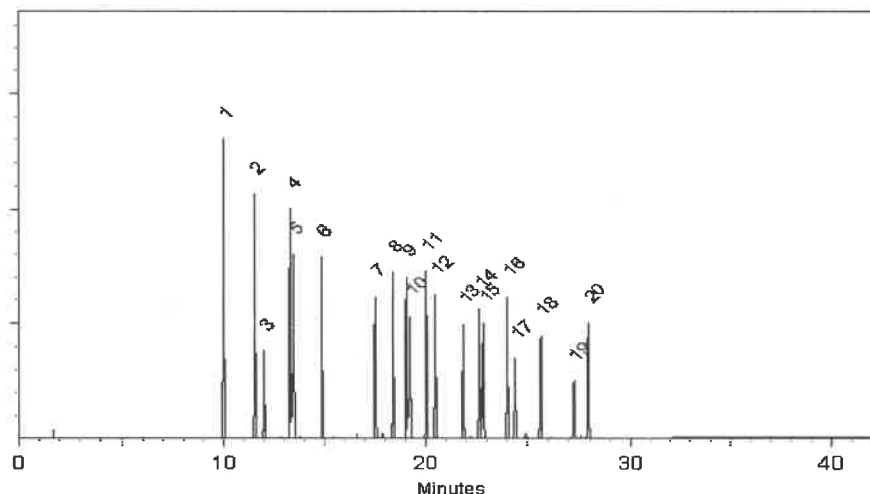
Inj. Temp:
 200°C

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**

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

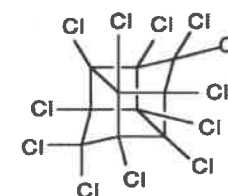
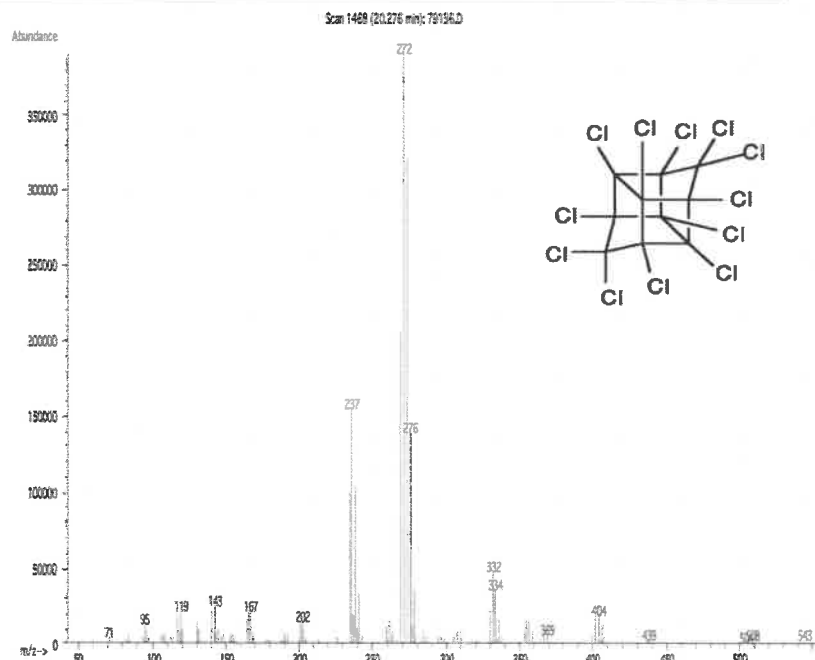
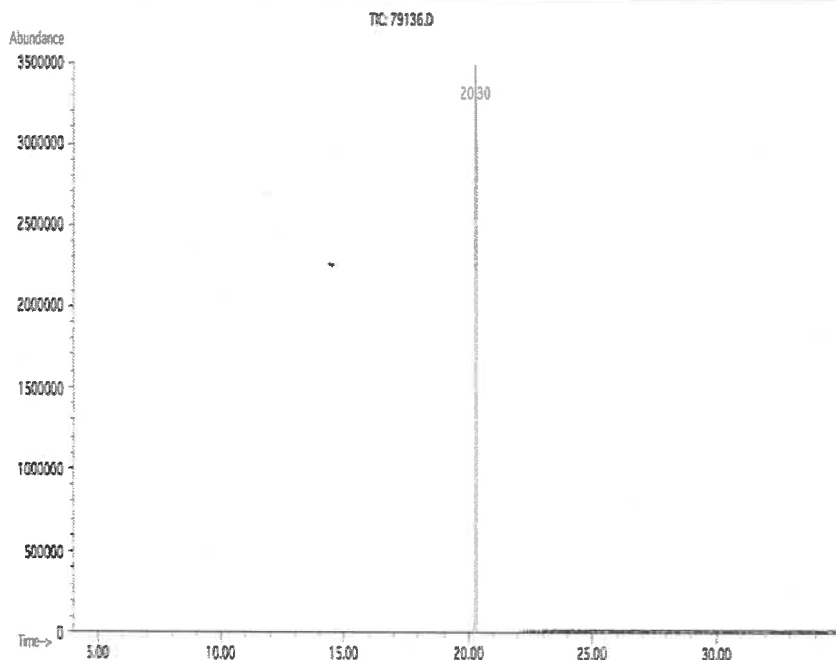
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **50.0**

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

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)	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)
↓
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).

01/17/2024
HMF
D 13/199
D 13/199
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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. : 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
[3]
Kauf
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:

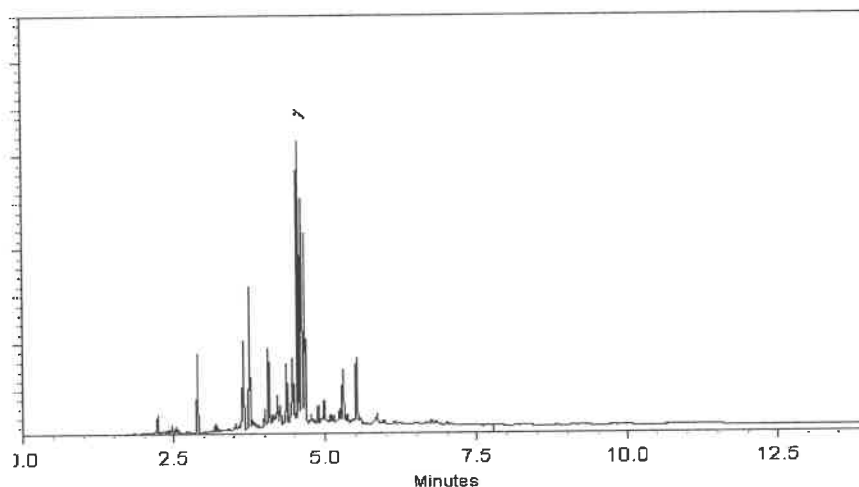
ECD

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

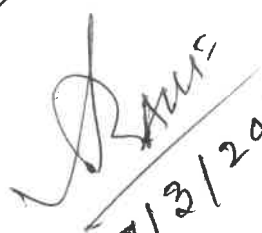
Date Mixed: 11-May-2023

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



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. : 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:

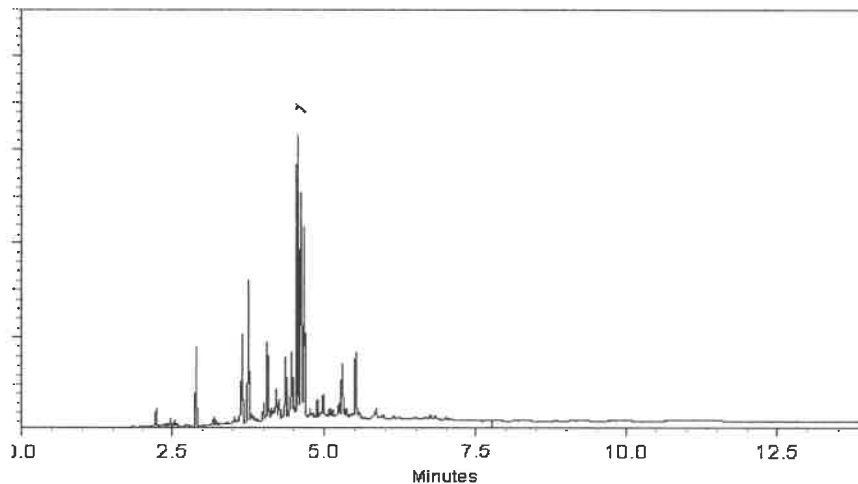
ECD

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



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.:** 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
↓
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
5
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.)

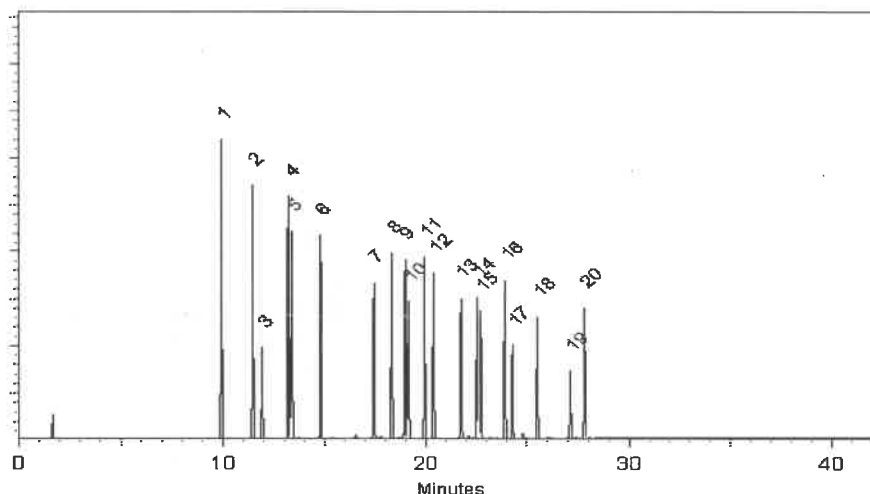
Inj. Temp:
200°C

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**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane
 Toluene

Lot#
 273615 (50%)
 28508 (50%)

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

P13243 } (5)
 ↓
 P13247 }
 ↓
 1

• 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).

02/9/2024



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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. : 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
↓
P13779
AI
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:

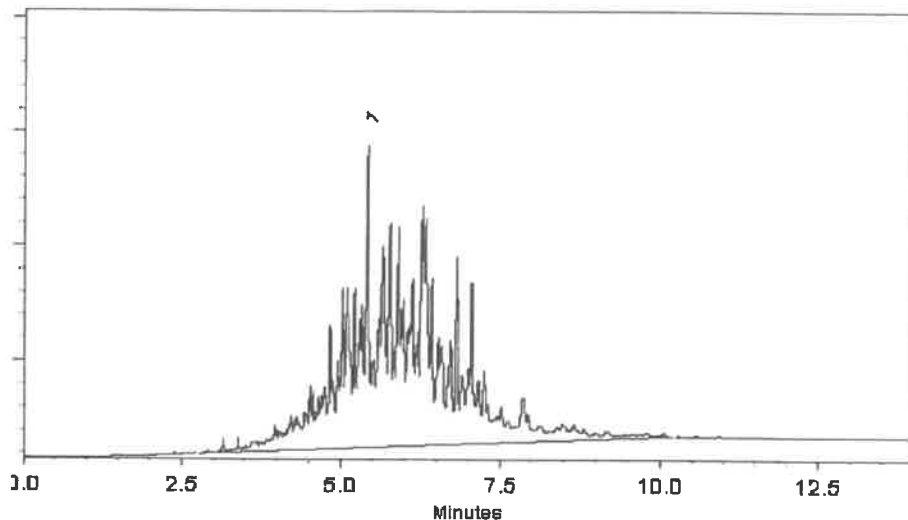
ECD

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

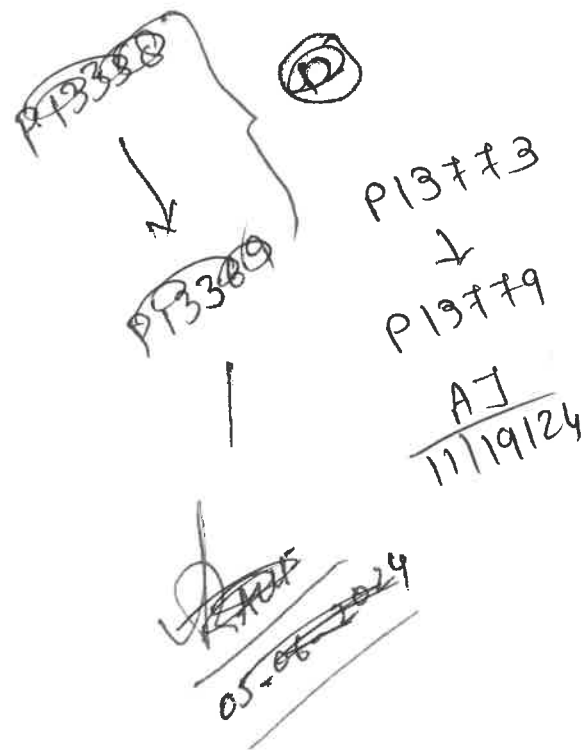
Date Mixed: 10-Oct-2023

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


Handwritten notes and signatures are present at the bottom right of the page. On the left, 'P13388' is written with a bracket pointing down to 'P13389'. To the right, 'P13773' is written with a bracket pointing down to 'P13779'. Below these, 'AJ' is written above the date '11/19/24'. At the bottom, there is a signature and the date '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
↓
P13784
AJ
11/19/20

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:

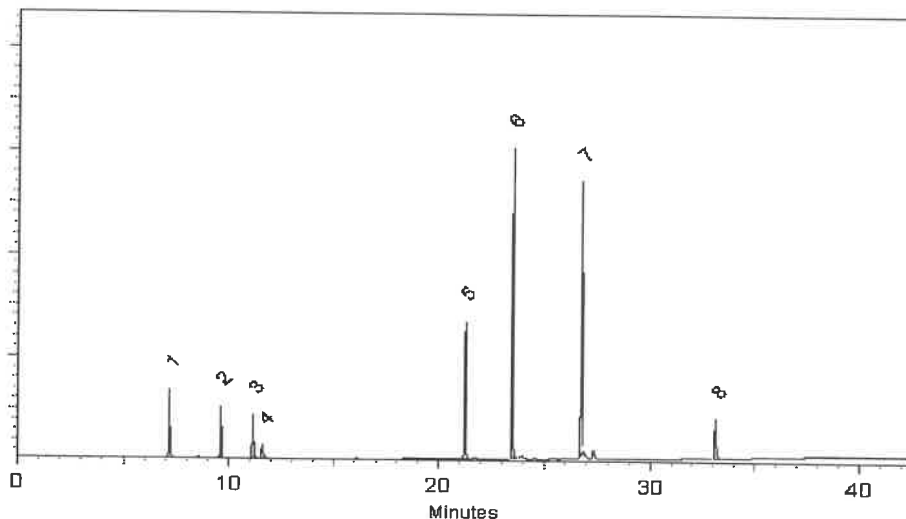
ECD

Split Vent:

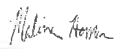
Split ratio 50:1

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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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:

heliu-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:

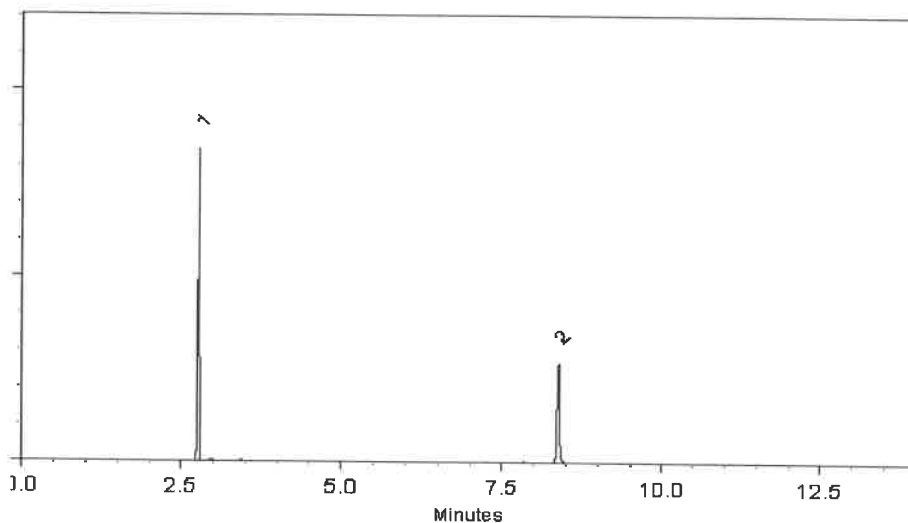
ECD

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



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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. : 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:

heliu-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:

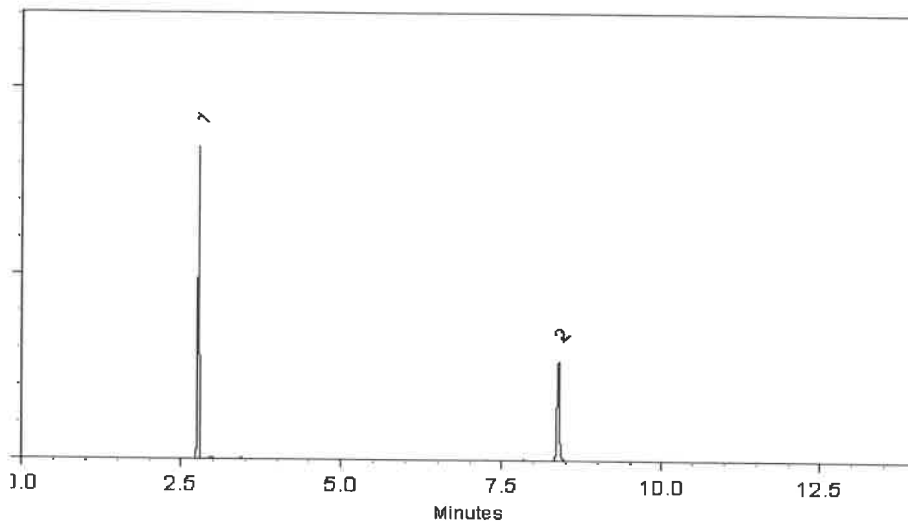
ECD

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



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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.)

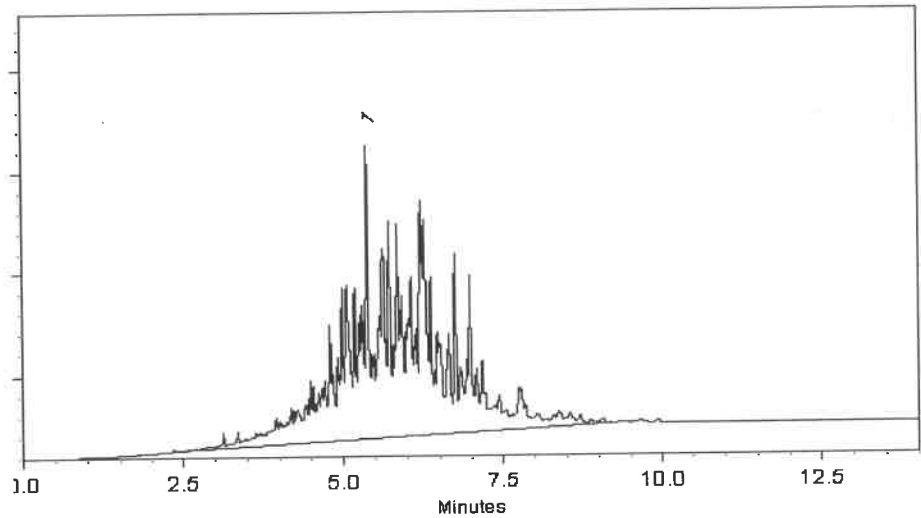
Inj. Temp:
250°C

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.

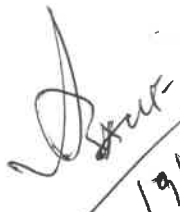

Amanda Miller - Operations Tech III - ARM QC

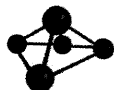
Date Mixed: 11-Apr-2024 **Balance Serial #** B442140311


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):

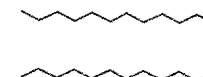
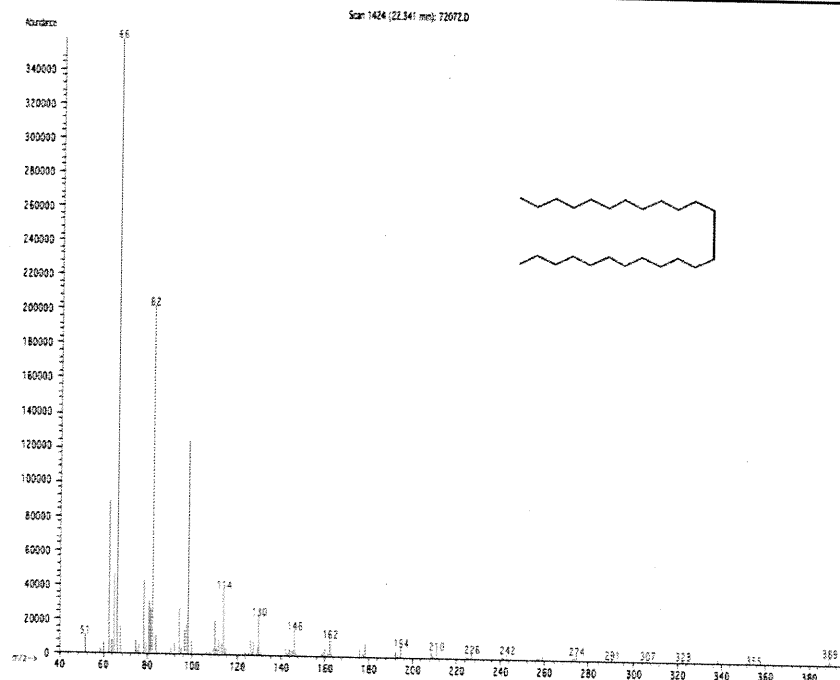
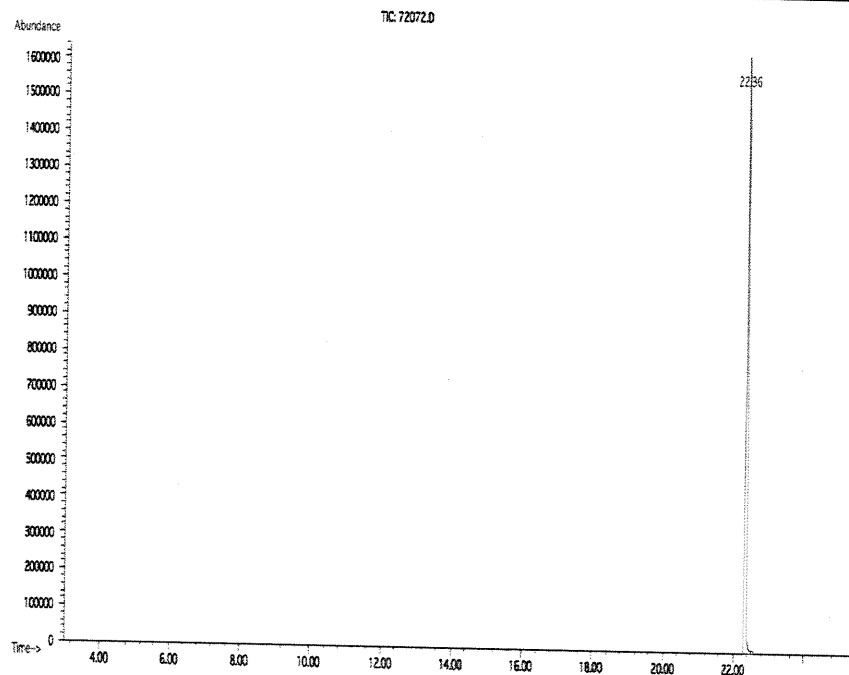
200.0
0.058 Balance Uncertainty
0.058 Flask Uncertainty

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

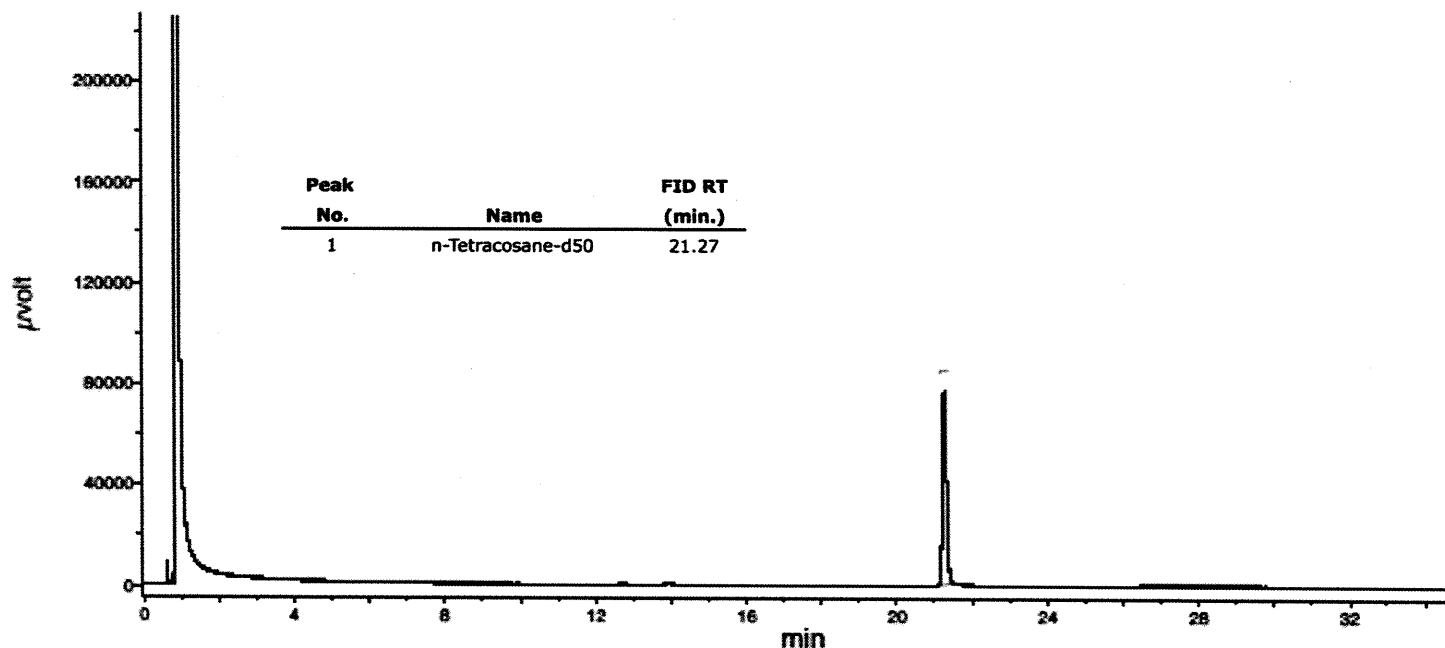
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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





SHIPPING DOCUMENTS

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Q3321

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

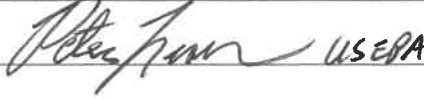
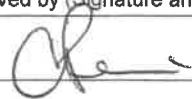
Cooler #: 1

Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	TAL VOCs	Soil	10/8/2025	14:15	3	5-g Encore sampler	4 C	
	P001-DS-01	P001	TAL SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL PCBs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass cl jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Metals+Hg&CN	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP VOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Metals+Hg	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Herbicides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	

Special Instructions:	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	 USEPA	10/8/25 1600H		10/9/25 10:00	IR Gun #1 3.4

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

Cooler #: 1

Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

[illegible]

SAMPLES TRANSFERRED FROM	
1	2
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97	98
99	100

CHAIN OF CUSTODY #

Special Instructions:

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSIS	 USEPA	10/8/25 1600 hr		1000 10/9/25	IR Gun #1 3.4

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 : Q3321	ROYF02	Order Date : 10/9/2025 10:30:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905-918	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 10/9/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order : 10:00	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
Q3321-01	P001-DS-01	Solid	10/08/2025	14:15	VOC-TCLVOA-10		8260D		10 Bus. Days 5 Bus Days

Relinquished By :

Date / Time : 10/9/25 10:00

Received By :

Date / Time : 10/09/25

Storage Area : VOA Refridgerator Room