

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ WASTE WATER PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q3015

ATTENTION : Mohammad Ahmed



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3015

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q3015-01
Q3015-02
Q3015-03
Q3015-04
Q3015-05
Q3015-06
Q3015-07
Q3015-08
Q3015-09
Q3015-10
Q3015-11
Q3015-12
Q3015-13
Q3015-14
Q3015-15
Q3015-16
Q3015-17
Q3015-18
Q3015-19
Q3015-20
Q3015-21
Q3015-22

Client Sample Number

WP0925-PT-VOA-WP
WP0925-PT-VOA-WP
WP0925-PT-BN-WP
WP0925-PT-BN-WP
WP0925-PT-BN-WP
WP0925-PT-ACIDS-WP
WP0925-PT-ACIDS-WP
WP0925-PT-ACIDS-WP
WP0925-PT-PEST-WP
WP0925-PT-PEST-WP
WP0925-PT-CHLR-WP
WP0925-PT-CHLR-WP
WP0925-PT-TXP-WP
WP0925-PT-TXP-WP
WP0925-PT-PCBW-WP
WP0925-PT-PCBW-WP
WP0925-PT-HERB-WP
WP0925-RR-GAS-WP
WP0925-RR-DIES-WP
WP0925-RR-8011-WP
WP0925-RR-PAH-WP
WP0925-RR-TRIAZINE-WP

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

Signature : _____

Date: 9/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Waste Water PT

Project # N/A

Order ID # Q3015

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

2 Water samples were received on 09/04/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PESTICIDE Group1. This data package contains results for PESTICIDE Group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of PESTICIDE Group1s was based on method 608.3,8081B and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for WP0925-PT-PEST-WPDL2 [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0% and Tetrachloro-m-xylene(2)0%], Surrogates were diluted out due to the high dilution. No further corrective action was taken.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate 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.

Samples WP0925-PT-PEST-WP, WP0925-PT-PEST-WPDL were diluted due to high concentrations.



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Phone: 908 789 8900 Fax: 908 789 8922

E. Additional Comments:

F. 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_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3015

MATRIX: Water

METHOD: 608.3,8081B/3510

	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. The Surrogate recoveries were met for all analysis except for WP0925-PT-PEST-WPDL2 [Decachlorobiphenyl(1)0%, Decachlorobiphenyl(2)0%, Tetrachloro-m-xylene(1)0% and Tetrachloro-m-xylene(2)0%], Surrogates were diluted out due to the high dilution. No further corrective action was taken.		✓	
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds. The RPD were met for all analysis.			✓
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

Samples WP0925-PT-PEST-WP, WP0925-PT-PEST-WPDL were diluted due to high concentrations.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3015

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: 09/23/2025

LAB CHRONICLE

OrderID:	Q3015	OrderDate:	9/4/2025 10:14:00 AM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Waste Water PT
Contact:	Mohammad Ahmed	Location:	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3015-09	WP0925-PT-PEST-WP	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-09DL	WP0925-PT-PEST-WP DL	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-09DL 2	WP0925-PT-PEST-WP DL2	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-18	WP0925-RR-GAS-WP	Water	Gasoline Range Organics	8015D	09/02/25		09/17/25	09/04/25

Hit Summary Sheet
SW-846

SDG No.: Q3015

Order ID: Q3015

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WP0925-PT-PEST-WP							
Q3015-09	WP0925-PT-PEST-WI WATER	alpha-BHC	23.6	EP	0.0039	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	beta-BHC	14.3	EP	0.0049	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	delta-BHC	17.6	EP	0.011	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	gamma-BHC (Lindane)	20.3	EP	0.0037	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Heptachlor	6.30	E	0.0027	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Aldrin	1.80	E	0.0036	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Heptachlor epoxide	5.40	E	0.0096	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Endosulfan I	16.8	EP	0.0031	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Dieldrin	7.50	EP	0.0036	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	4,4-DDE	10.4	EP	0.0037	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Endrin	6.20	E	0.0032	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Endosulfan II	13.6	EP	0.0079	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	4,4-DDD	9.80	E	0.0071	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Endosulfan Sulfate	12.3	EP	0.0037	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	4,4-DDT	1.60	E	0.0035	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Methoxychlor	7.10	E	0.011	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Endrin ketone	10.7	EP	0.0093	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	Endrin aldehyde	15.7	EP	0.011	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	alpha-Chlordane	6.50	EP	0.0035	0.050	ug/L
Q3015-09	WP0925-PT-PEST-WI WATER	gamma-Chlordane	8.90	EP	0.0039	0.050	ug/L

Total Concentration: 216.400

Client ID : WP0925-PT-PEST-WPDL							
Q3015-09DL	WP0925-PT-PEST-WI WATER	alpha-BHC	21.2	ED	0.039	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	beta-BHC	14.3	ED	0.049	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	delta-BHC	16.1	ED	0.11	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	gamma-BHC (Lindane)	18.5	ED	0.037	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Heptachlor	6.10	D	0.027	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Aldrin	2.00	D	0.036	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Heptachlor epoxide	5.60	D	0.096	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Endosulfan I	18.1	ED	0.031	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Dieldrin	7.50	D	0.036	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	4,4-DDE	9.80	D	0.037	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Endrin	5.70	D	0.032	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Endosulfan II	14.1	ED	0.079	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	4,4-DDD	9.40	D	0.071	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Endosulfan Sulfate	12.4	ED	0.037	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	4,4-DDT	1.80	D	0.035	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Methoxychlor	7.20	D	0.11	0.50	ug/L
Q3015-09DL	WP0925-PT-PEST-WI WATER	Endrin ketone	11.0	ED	0.093	0.50	ug/L

Hit Summary Sheet SW-846

SDG No.: Q3015

Order ID: Q3015

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Q3015-09DL	WP0925-PT-PEST-W	WATER	Endrin aldehyde	16.7	ED	0.11	0.50 ug/L
Q3015-09DL	WP0925-PT-PEST-W	WATER	alpha-Chlordane	6.40	D	0.035	0.50 ug/L
Q3015-09DL	WP0925-PT-PEST-W	WATER	gamma-Chlordane	8.40	D	0.039	0.50 ug/L
Total Concentration:			212.300				
Client ID : WP0925-PT-PEST-WPDL2							
Q3015-09DL2	WP0925-PT-PEST-W	WATER	alpha-BHC	19.8	D	0.39	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	beta-BHC	16.6	D	0.49	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	delta-BHC	14.2	D	1.10	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	gamma-BHC (Lindane)	18.2	D	0.37	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Heptachlor	7.00	D	0.27	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Aldrin	2.30	JD	0.36	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Heptachlor epoxide	6.80	D	0.96	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Endosulfan I	20.2	D	0.31	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Dieldrin	8.60	D	0.36	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	4,4-DDE	10.8	D	0.37	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Endrin	6.60	D	0.32	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Endosulfan II	16.2	D	0.79	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	4,4-DDD	10.9	D	0.71	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Endosulfan Sulfate	14.4	D	0.37	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	4,4-DDT	1.80	JD	0.35	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Methoxychlor	8.40	D	1.10	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Endrin ketone	12.5	D	0.93	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	Endrin aldehyde	19.7	D	1.10	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	alpha-Chlordane	7.60	D	0.35	5.00 ug/L
Q3015-09DL2	WP0925-PT-PEST-W	WATER	gamma-Chlordane	9.50	D	0.39	5.00 ug/L
Total Concentration:			232.100				



QC SUMMARY

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Surrogate Summary

SDG No.: **Q3015**

Client: **Alliance Technical Group, LLC - Newark**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD089961.D	PIBLK-PD089961.D	Decachlorobiphen	1	20	19.3	96		57	171
		Tetrachloro-m-xyl	1	20	17.4	87		61	148
		Decachlorobiphen	2	20	18.3	91		57	171
		Tetrachloro-m-xyl	2	20	17.5	88		61	148
I.BLK-PD090194.D	PIBLK-PD090194.D	Decachlorobiphen	1	20	18.1	90		57	171
		Tetrachloro-m-xyl	1	20	19.0	95		61	148
		Decachlorobiphen	2	20	14.9	74		57	171
		Tetrachloro-m-xyl	2	20	20.6	103		61	148
PB169601BL	PB169601BL	Decachlorobiphen	1	20	16.3	81		57	171
		Tetrachloro-m-xyl	1	20	16.8	84		61	148
		Decachlorobiphen	2	20	14.4	72		57	171
		Tetrachloro-m-xyl	2	20	18.4	92		61	148
Q3015-09	WP0925-PT-PEST-WP	Decachlorobiphen	1	20	17.8	89		57	171
		Tetrachloro-m-xyl	1	20	18.8	94		61	148
		Decachlorobiphen	2	20	16.1	80		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
Q3015-09DL	WP0925-PT-PEST-WPDL	Decachlorobiphen	1	20	21.4	107		57	171
		Tetrachloro-m-xyl	1	20	24.0	120		61	148
		Decachlorobiphen	2	20	19.5	98		57	171
		Tetrachloro-m-xyl	2	20	25.6	128		61	148
Q3015-09DL2	WP0925-PT-PEST-WPDL2	Decachlorobiphen	1	20	0	0	*	57	171
		Tetrachloro-m-xyl	1	20	0	0	*	61	148
		Decachlorobiphen	2	20	0	0	*	57	171
		Tetrachloro-m-xyl	2	20	0	0	*	61	148
PB169601BS	PB169601BS	Decachlorobiphen	1	20	19.3	96		57	171
		Tetrachloro-m-xyl	1	20	19.3	97		61	148
		Decachlorobiphen	2	20	18.1	90		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148
PB169601BSD	PB169601BSD	Decachlorobiphen	1	20	19.6	98		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	18.1	91		57	171
		Tetrachloro-m-xyl	2	20	20.6	103		61	148
I.BLK-PD090202.D	PIBLK-PD090202.D	Decachlorobiphen	1	20	19.0	95		57	171
		Tetrachloro-m-xyl	1	20	18.8	94		61	148
		Decachlorobiphen	2	20	18.2	91		57	171
		Tetrachloro-m-xyl	2	20	20.6	103		61	148

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3015

Analytical Method: 8081B

Client: Alliance Technical Group, LLC - Newark

Datafile : PD090200.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169601BS (Column 1)	alpha-BHC	0.5	0.57	ug/L	114				85	130	
	beta-BHC	0.5	0.55	ug/L	111				83	126	
	delta-BHC	0.5	0.46	ug/L	92				69	141	
	gamma-BHC (Lindane)	0.5	0.57	ug/L	114				82	129	
	Heptachlor	0.5	0.56	ug/L	111				79	127	
	Aldrin	0.5	0.59	ug/L	118				79	126	
	Heptachlor epoxide	0.5	0.58	ug/L	116				81	124	
	Endosulfan I	0.5	0.57	ug/L	114				85	122	
	Dieldrin	0.5	0.57	ug/L	115				83	125	
	4,4'-DDE	0.5	0.57	ug/L	114				80	127	
	Endrin	0.5	0.49	ug/L	97				81	128	
	Endosulfan II	0.5	0.56	ug/L	112				82	123	
	4,4'-DDD	0.5	0.60	ug/L	121				77	131	
	Endosulfan sulfate	0.5	0.52	ug/L	104				76	129	
	4,4'-DDT	0.5	0.47	ug/L	95				80	133	
	Methoxychlor	0.5	0.43	ug/L	87				78	108	
	Endrin ketone	0.5	0.56	ug/L	113				80	131	
	Endrin aldehyde	0.5	0.61	ug/L	123				82	127	
	alpha-Chlordane	0.5	0.57	ug/L	114				82	125	
	gamma-Chlordane	0.5	0.58	ug/L	116				82	125	
PB169601BS (Column 2)	alpha-BHC	0.5	0.56	ug/L	113				85	130	
	beta-BHC	0.5	0.57	ug/L	115				83	126	
	delta-BHC	0.5	0.44	ug/L	88				69	141	
	gamma-BHC (Lindane)	0.5	0.57	ug/L	114				82	129	
	Heptachlor	0.5	0.55	ug/L	110				79	127	
	Aldrin	0.5	0.58	ug/L	117				79	126	
	Heptachlor epoxide	0.5	0.58	ug/L	116				81	124	
	Endosulfan I	0.5	0.57	ug/L	115				85	122	
	Dieldrin	0.5	0.58	ug/L	116				83	125	
	4,4'-DDE	0.5	0.59	ug/L	117				80	127	
	Endrin	0.5	0.52	ug/L	105				81	128	
	Endosulfan II	0.5	0.57	ug/L	114				82	123	
	4,4'-DDD	0.5	0.61	ug/L	122				77	131	
	Endosulfan sulfate	0.5	0.53	ug/L	106				76	129	
	4,4'-DDT	0.5	0.50	ug/L	99				80	133	
	Methoxychlor	0.5	0.47	ug/L	94				78	108	
	Endrin ketone	0.5	0.57	ug/L	115				80	131	
	Endrin aldehyde	0.5	0.63	ug/L	126				82	127	
	alpha-Chlordane	0.5	0.58	ug/L	116				82	125	
	gamma-Chlordane	0.5	0.59	ug/L	117				82	125	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3015	Analytical Method:	8081B
Client:	Alliance Technical Group, LLC - Newark	Datafile :	PD090201.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169601BSD (Column 1)	alpha-BHC	0.5	0.56	ug/L	113	1			85	130	20
	beta-BHC	0.5	0.55	ug/L	110	1			83	126	20
	delta-BHC	0.5	0.46	ug/L	93	1			69	141	20
	gamma-BHC (Lindane)	0.5	0.56	ug/L	113	1			82	129	20
	Heptachlor	0.5	0.55	ug/L	110	1			79	127	20
	Aldrin	0.5	0.58	ug/L	117	1			79	126	20
	Heptachlor epoxide	0.5	0.58	ug/L	115	1			81	124	20
	Endosulfan I	0.5	0.57	ug/L	113	1			85	122	20
	Dieldrin	0.5	0.57	ug/L	113	2			83	125	20
	4,4'-DDE	0.5	0.57	ug/L	114	0			80	127	20
	Endrin	0.5	0.48	ug/L	97	0			81	128	20
	Endosulfan II	0.5	0.56	ug/L	111	1			82	123	20
	4,4'-DDD	0.5	0.61	ug/L	121	0			77	131	20
	Endosulfan sulfate	0.5	0.51	ug/L	103	1			76	129	20
	4,4'-DDT	0.5	0.47	ug/L	94	1			80	133	20
	Methoxychlor	0.5	0.44	ug/L	87	0			78	108	20
	Endrin ketone	0.5	0.57	ug/L	114	1			80	131	20
	Endrin aldehyde	0.5	0.61	ug/L	122	1			82	127	20
	alpha-Chlordane	0.5	0.57	ug/L	114	0			82	125	20
	gamma-Chlordane	0.5	0.58	ug/L	116	0			82	125	20
	alpha-BHC	0.5	0.56	ug/L	113	0			85	130	20
	beta-BHC	0.5	0.57	ug/L	115	0			83	126	20
	delta-BHC	0.5	0.44	ug/L	88	0			69	141	20
	gamma-BHC (Lindane)	0.5	0.57	ug/L	114	0			82	129	20
PB169601BSD (Column 2)	Heptachlor	0.5	0.55	ug/L	110	0			79	127	20
	Aldrin	0.5	0.58	ug/L	116	1			79	126	20
	Heptachlor epoxide	0.5	0.58	ug/L	116	0			81	124	20
	Endosulfan I	0.5	0.57	ug/L	114	1			85	122	20
	Dieldrin	0.5	0.58	ug/L	116	0			83	125	20
	4,4'-DDE	0.5	0.59	ug/L	117	0			80	127	20
	Endrin	0.5	0.53	ug/L	105	0			81	128	20
	Endosulfan II	0.5	0.57	ug/L	114	0			82	123	20
	4,4'-DDD	0.5	0.61	ug/L	121	1			77	131	20
	Endosulfan sulfate	0.5	0.53	ug/L	105	1			76	129	20
	4,4'-DDT	0.5	0.50	ug/L	100	1			80	133	20
	Methoxychlor	0.5	0.48	ug/L	96	2			78	108	20
	Endrin ketone	0.5	0.57	ug/L	113	2			80	131	20
	Endrin aldehyde	0.5	0.63	ug/L	126	0			82	127	20
	alpha-Chlordane	0.5	0.58	ug/L	116	0			82	125	20
	gamma-Chlordane	0.5	0.59	ug/L	117	0			82	125	20

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169601BL

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB169601BL

Lab File ID: PD090196.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/08/2025

Date Analyzed (1): 09/08/2025

Date Analyzed (2): 09/08/2025

Time Analyzed (1): 16:40

Time Analyzed (2): 16:40

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
WP0925-PT-PEST-WP	Q3015-09	PD090197.D	09/08/2025	09/08/2025
PB169601BS	PB169601BS	PD090200.D	09/08/2025	09/08/2025
PB169601BSD	PB169601BSD	PD090201.D	09/08/2025	09/08/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PEST-WP	SDG No.:	Q3015
Lab Sample ID:	Q3015-09	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090197.D	1	09/08/25 10:05	09/08/25 16:54	PB169601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	23.6	EP	0.0039	0.050	ug/L
319-85-7	beta-BHC	14.3	EP	0.0049	0.050	ug/L
319-86-8	delta-BHC	17.6	EP	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	20.3	EP	0.0037	0.050	ug/L
76-44-8	Heptachlor	6.30	E	0.0027	0.050	ug/L
309-00-2	Aldrin	1.80	E	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	5.40	E	0.0096	0.050	ug/L
959-98-8	Endosulfan I	16.8	EP	0.0031	0.050	ug/L
60-57-1	Dieldrin	7.50	EP	0.0036	0.050	ug/L
72-55-9	4,4-DDE	10.4	EP	0.0037	0.050	ug/L
72-20-8	Endrin	6.20	E	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	13.6	EP	0.0079	0.050	ug/L
72-54-8	4,4-DDD	9.80	E	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	12.3	EP	0.0037	0.050	ug/L
50-29-3	4,4-DDT	1.60	E	0.0035	0.050	ug/L
72-43-5	Methoxychlor	7.10	E	0.011	0.050	ug/L
53494-70-5	Endrin ketone	10.7	EP	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	15.7	EP	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	6.50	EP	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	8.90	EP	0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		57 - 171	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		61 - 148	102%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PEST-WP	SDG No.:	Q3015
Lab Sample ID:	Q3015-09	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090197.D	1	09/08/25 10:05	09/08/25 16:54	PB169601

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090197.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 16:54
 Operator : AR\AJ
 Sample : Q3015-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WP0925-PT-PEST-WP

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:43:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	55158308	450.6E6	18.794m	20.435
2)	SA Decachlor...	9.068	8.064	76791054	415.9E6	17.792	16.066
Target Compounds							
2)	A alpha-BHC	3.999	3.396	14164.9E6	29455.4E6	2359.943	867.897 #
3)	MA gamma-BHC...	4.330	3.730	11626.8E6	25935.5E6	2030.233	832.047 #
4)	MA Heptachlor	4.927	4.078	3548.2E6	14048.9E6	632.579	450.406 #
5)	MB Aldrin	5.268	4.363	966.7E6	4851.7E6	178.530	159.304
6)	B beta-BHC	4.515	4.019	3211.3E6	11832.8E6	1431.689	887.671 #
7)	B delta-BHC	4.763	4.256	9129.8E6	25975.5E6	1763.282	823.318 #
8)	B Heptachlo...	5.688	4.866	2662.3E6	11300.6E6	542.577	408.039
9)	A Endosulfan I	6.072	5.241	7756.2E6	22633.8E6	1680.692	863.168 #
10)	B gamma-Chl...	5.943	5.116	4350.2E6	16490.7E6	889.423	556.906 #
11)	B alpha-Chl...	6.024	5.183	3195.7E6	11396.2E6	649.210	399.333 #
12)	B 4,4'-DDE	6.193	5.369	4580.8E6	17338.5E6	1043.874	601.557 #
13)	MA Dieldrin	6.344	5.503	3654.9E6	11618.8E6	746.544	396.721 #
14)	MA Endrin	6.571	5.782	2560.2E6	11183.3E6	617.882	419.916 #
15)	B Endosulfa...	6.784	6.074	5748.8E6	18388.2E6	1362.359	726.960 #
16)	A 4,4'-DDD	6.702	5.923	3385.7E6	16698.4E6	978.780	694.502 #
17)	MA 4,4'-DDT	7.016	6.176	614.1E6	4131.9E6	161.199m	164.818
18)	B Endrin al...	6.912	6.254	4498.8E6	13981.3E6	1569.072	811.923 #
19)	B Endosulfa...	7.147	6.476	4810.8E6	15767.1E6	1227.704	646.735 #
20)	A Methoxychlor	7.491	6.747	1415.5E6	6612.9E6	705.775	512.799 #
21)	B Endrin ke...	7.628	6.985	4429.5E6	13859.5E6	1068.770	520.164 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 16:54
Operator : AR\AJ
Sample : Q3015-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

WP0925-PT-PEST-WP

Manual Integrations

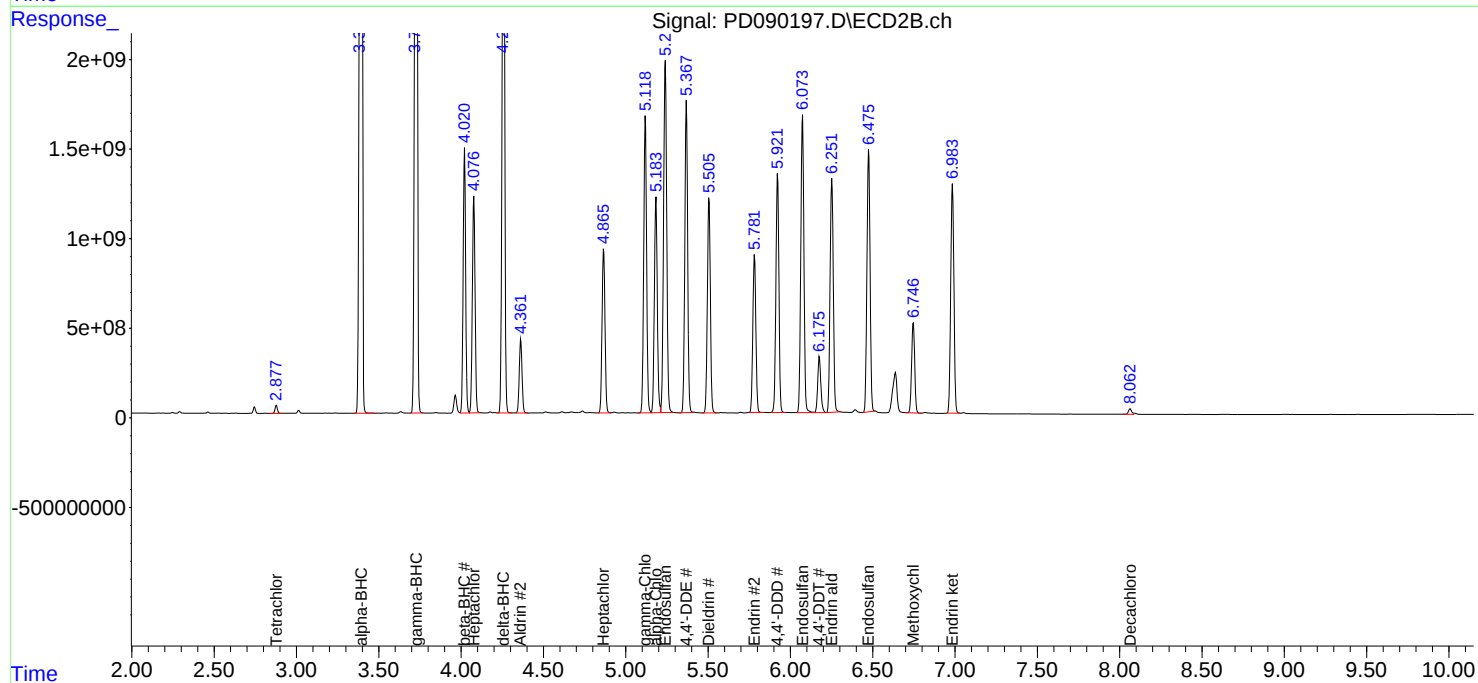
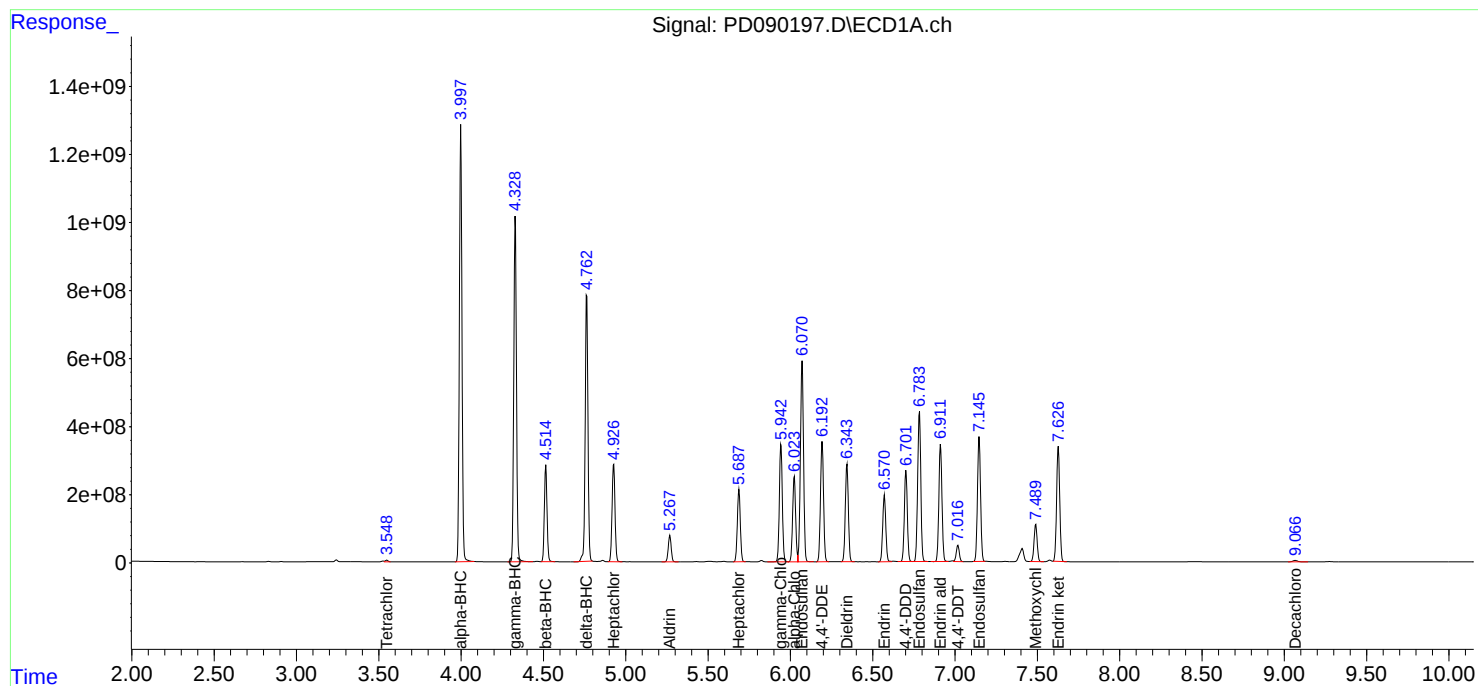
APPROVED

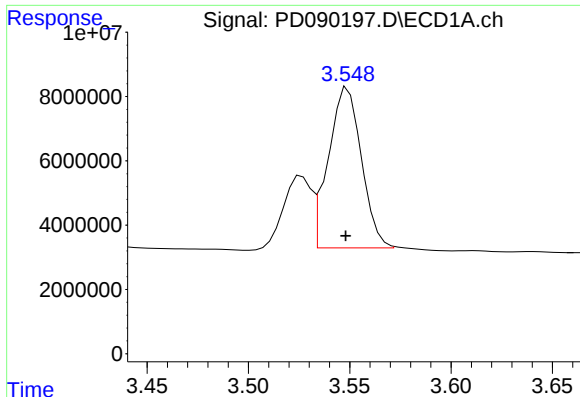
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





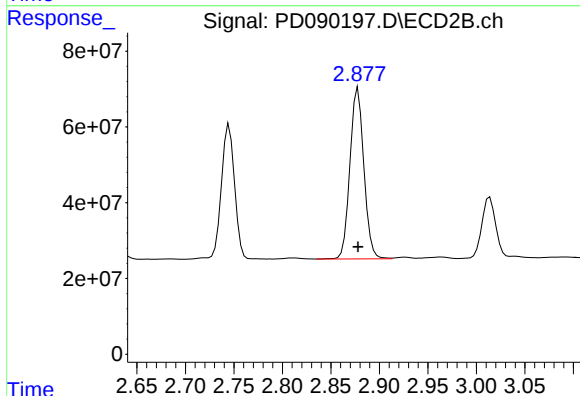
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 55158308
Conc: 18.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

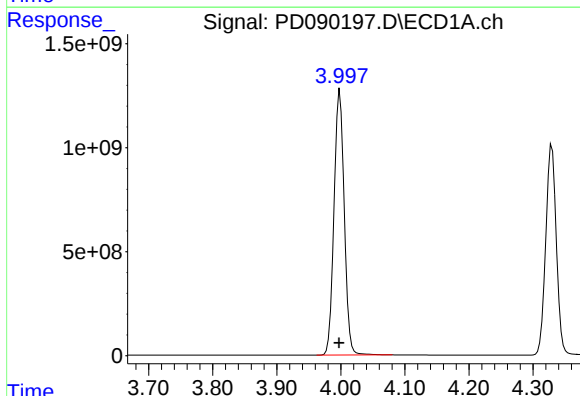
Manual Integrations
APPROVED

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



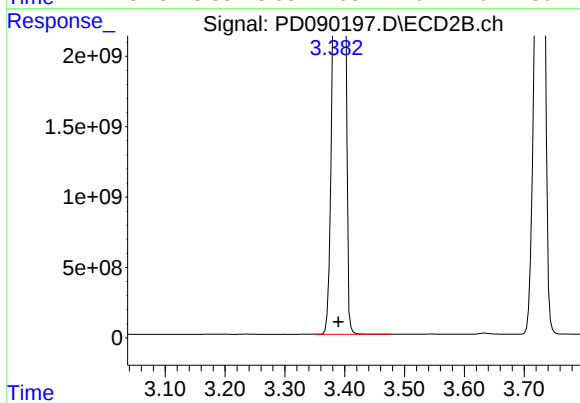
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 450611369
Conc: 20.44 ng/ml



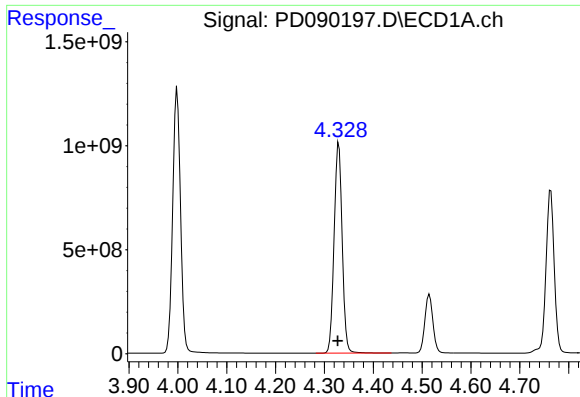
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 14164914722
Conc: 2359.94 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.006 min
Response: 29455404166
Conc: 867.90 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 11626822357
Conc: 2030.23 ng/ml

Instrument :

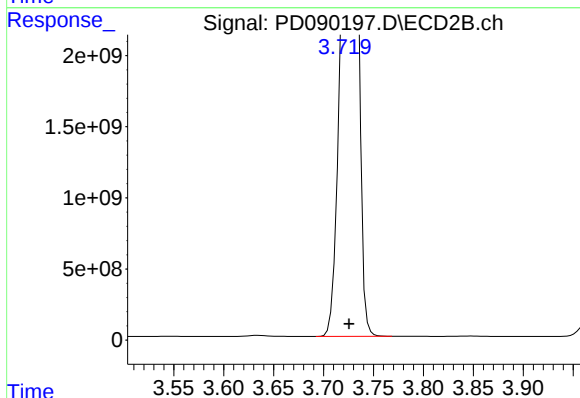
ECD_D

ClientSampleId :

WP0925-PT-PEST-WP

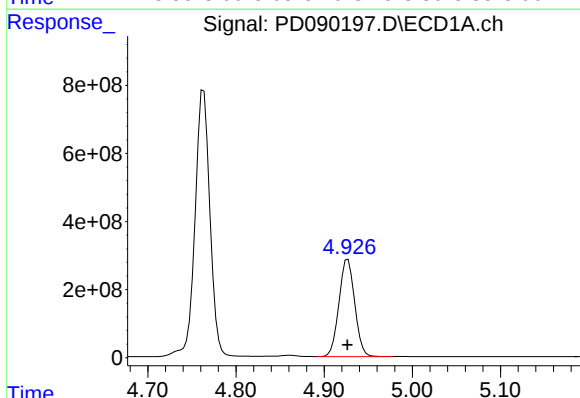
Manual Integrations
APPROVED

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



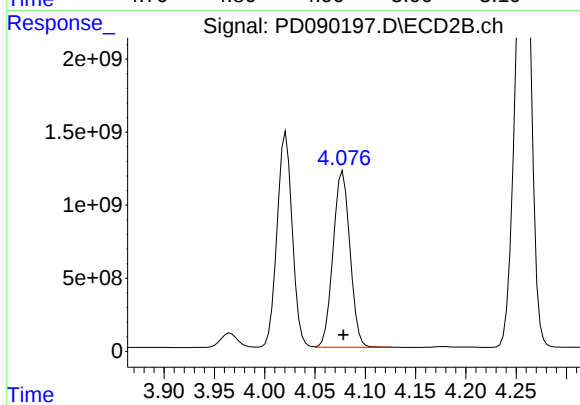
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.004 min
Response: 25935493878
Conc: 832.05 ng/ml



#4 Heptachlor

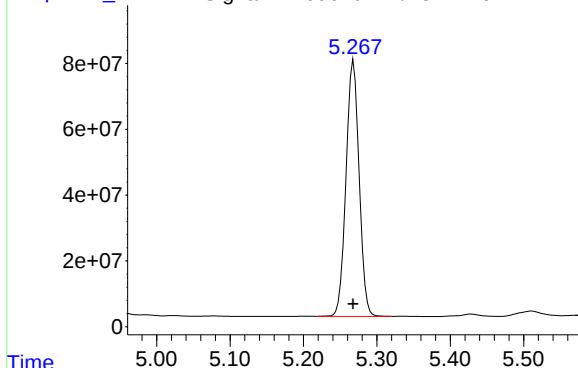
R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 3548243821
Conc: 632.58 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 14048886046
Conc: 450.41 ng/ml

Response_ Signal: PD090197.D\ECD1A.ch



#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 966654594
Conc: 178.53 ng/ml

Instrument :

ECD_D

ClientSampleId :

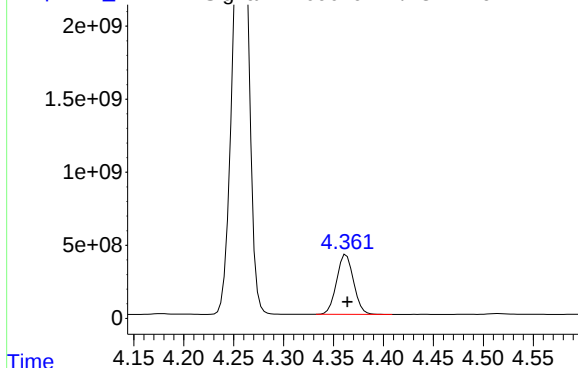
WP0925-PT-PEST-WP

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

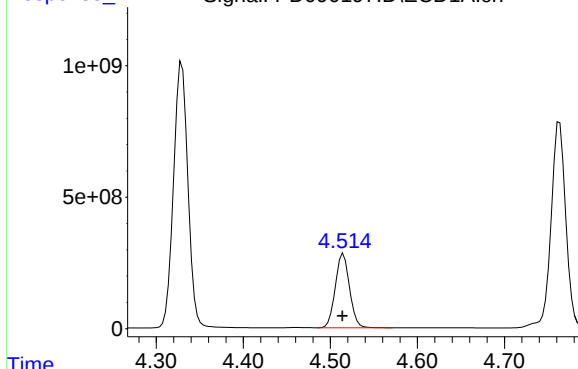
Time Response_ Signal: PD090197.D\ECD2B.ch



#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.001 min
Response: 4851721859
Conc: 159.30 ng/ml

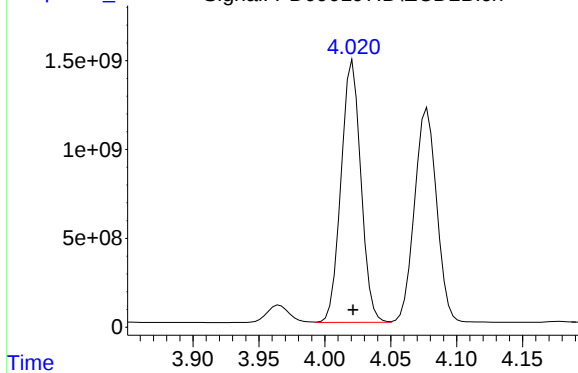
Time Response_ Signal: PD090197.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 3211310606
Conc: 1431.69 ng/ml

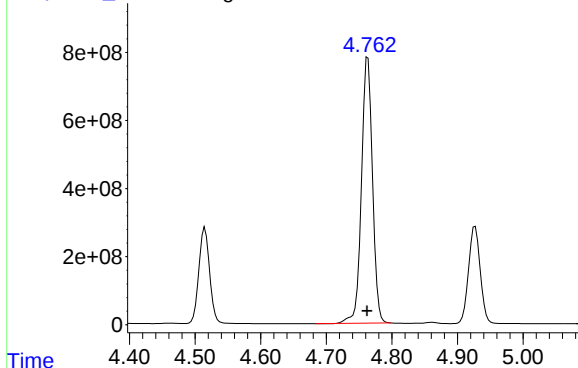
Time Response_ Signal: PD090197.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.002 min
Response: 11832811286
Conc: 887.67 ng/ml

Response_ Signal: PD090197.D\ECD1A.ch



#7 delta-BHC

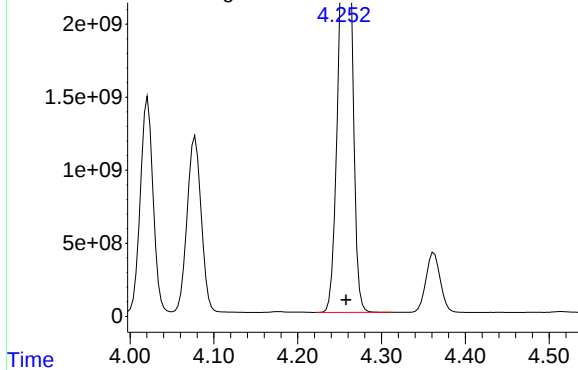
R.T.: 4.763 min
Delta R.T.: 0.001 min
Response: 9129757484
Conc: 1763.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

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

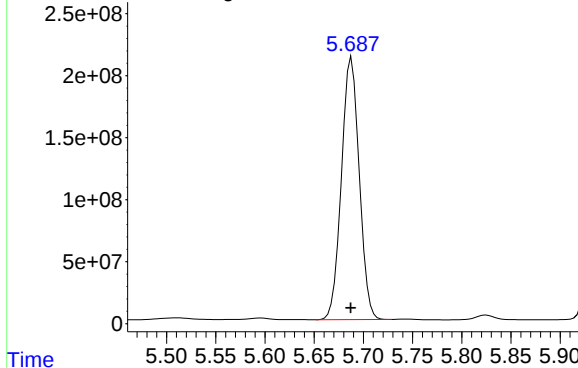
Response_ Signal: PD090197.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: -0.002 min
Response: 25975520093
Conc: 823.32 ng/ml

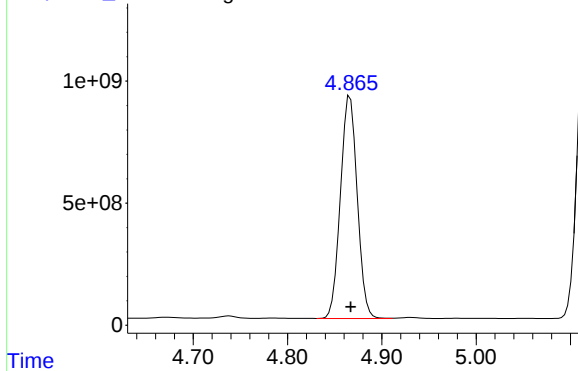
Response_ Signal: PD090197.D\ECD1A.ch



#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 2662315974
Conc: 542.58 ng/ml

Response_ Signal: PD090197.D\ECD2B.ch



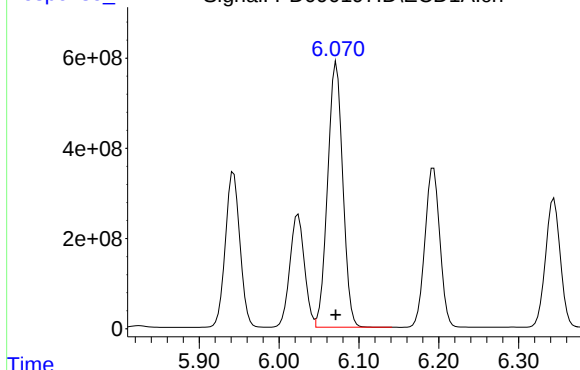
#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 11300559213
Conc: 408.04 ng/ml

Response_

Signal: PD090197.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 7756192039
Conc: 1680.69 ng/ml

Instrument :

ECD_D

ClientSampleId :

WP0925-PT-PEST-WP

Manual Integrations
APPROVED

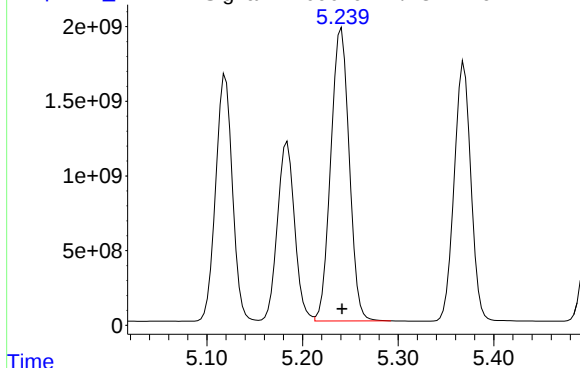
Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Time

Response_

Signal: PD090197.D\ECD2B.ch

#9 Endosulfan I



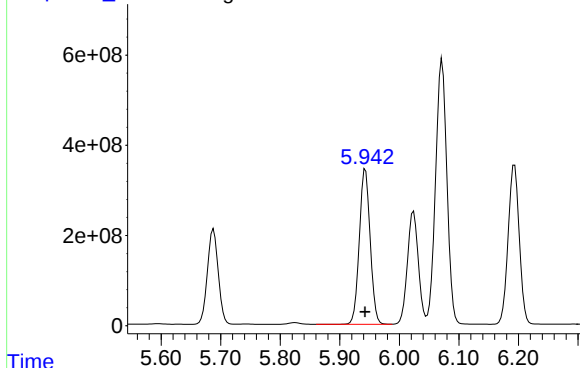
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 22633801108
Conc: 863.17 ng/ml

Time

Response_

Signal: PD090197.D\ECD1A.ch

#10 gamma-Chlordane



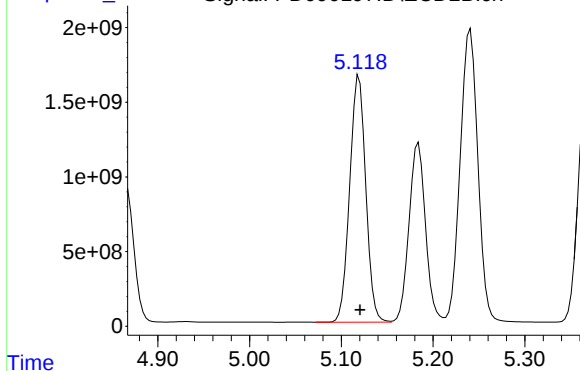
R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 4350151862
Conc: 889.42 ng/ml

Time

Response_

Signal: PD090197.D\ECD2B.ch

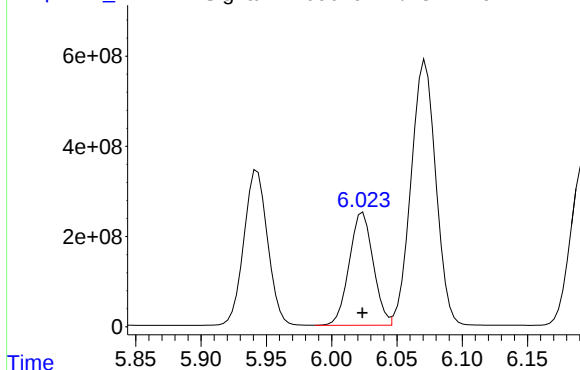
#10 gamma-Chlordane



R.T.: 5.116 min
Delta R.T.: -0.004 min
Response: 16490698085
Conc: 556.91 ng/ml

Time

Response_ Signal: PD090197.D\ECD1A.ch



#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 3195682211
Conc: 649.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

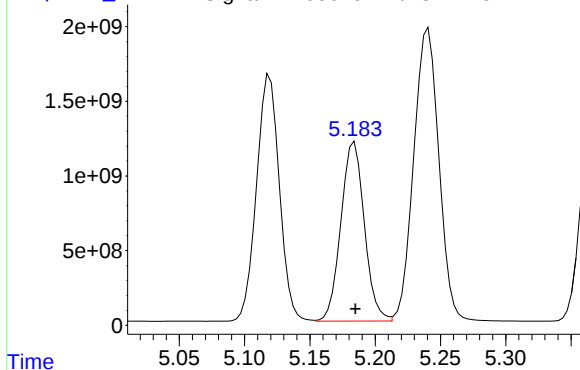
WP0925-PT-PEST-WP

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

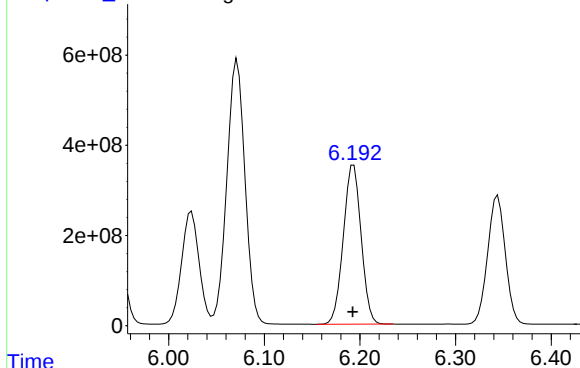
Response_ Signal: PD090197.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.002 min
Response: 11396204918
Conc: 399.33 ng/ml

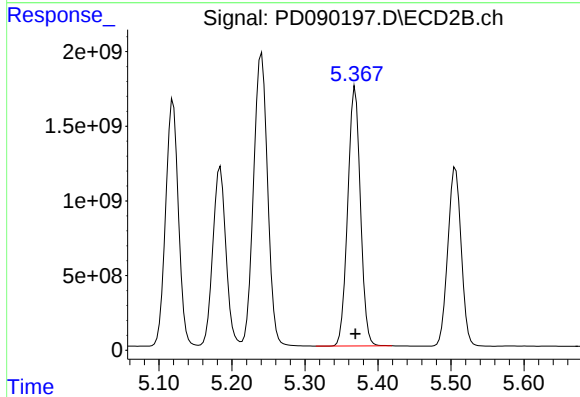
Response_ Signal: PD090197.D\ECD1A.ch



#12 4,4'-DDE

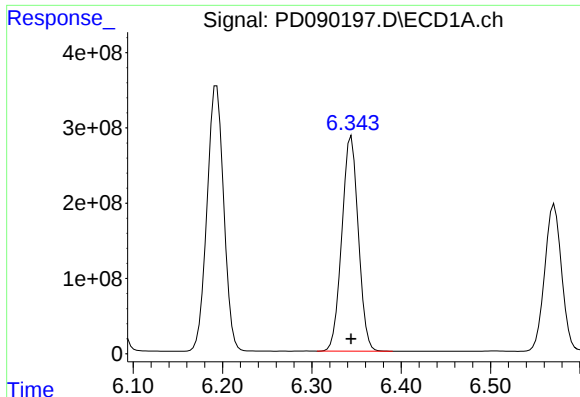
R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 4580844500
Conc: 1043.87 ng/ml

Response_ Signal: PD090197.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 17338531951
Conc: 601.56 ng/ml



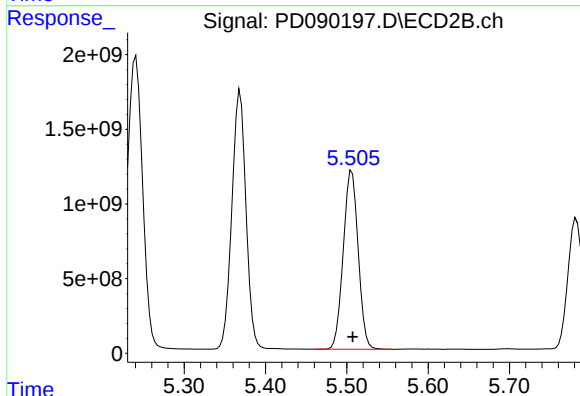
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 3654903012
Conc: 746.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

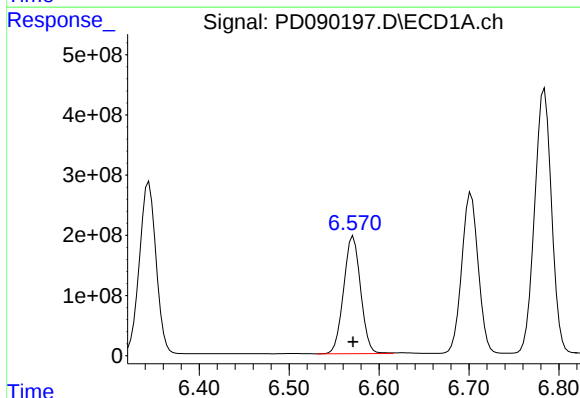
Manual Integrations
APPROVED

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



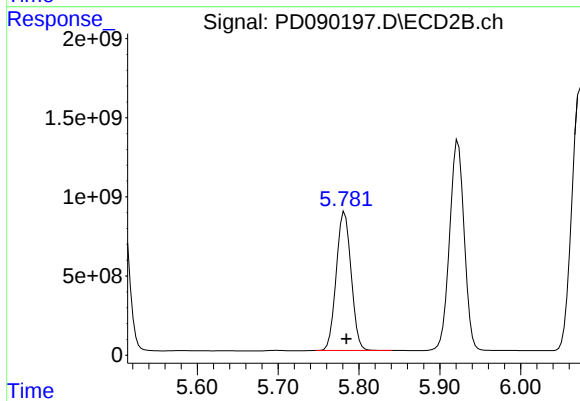
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.004 min
Response: 11618823457
Conc: 396.72 ng/ml



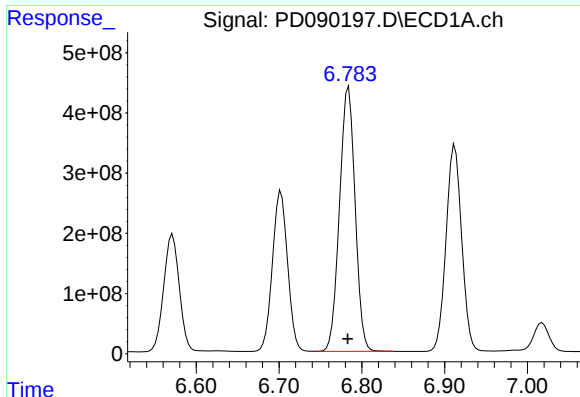
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 2560240626
Conc: 617.88 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 11183280959
Conc: 419.92 ng/ml



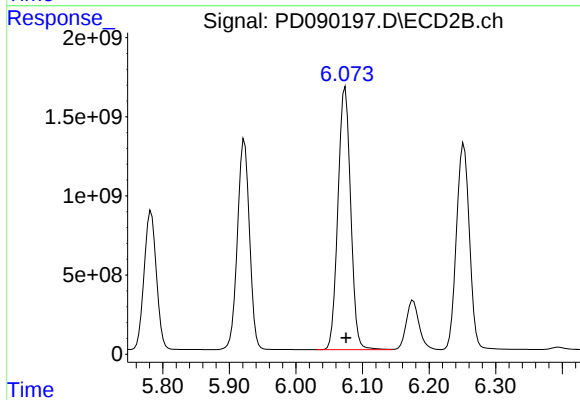
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.001 min
Response: 5748778000
Conc: 1362.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

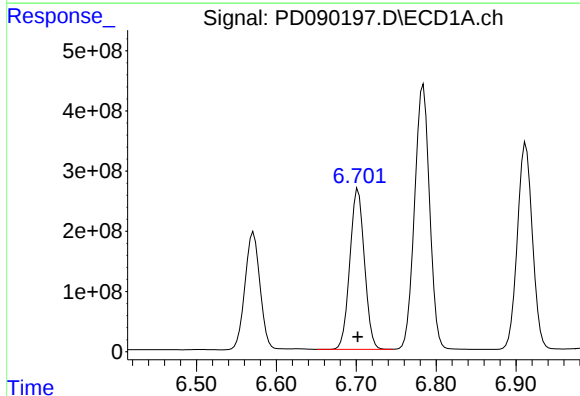
Manual Integrations
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Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



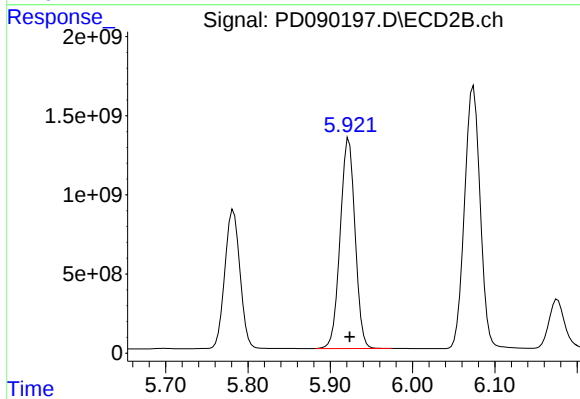
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 18388168118
Conc: 726.96 ng/ml



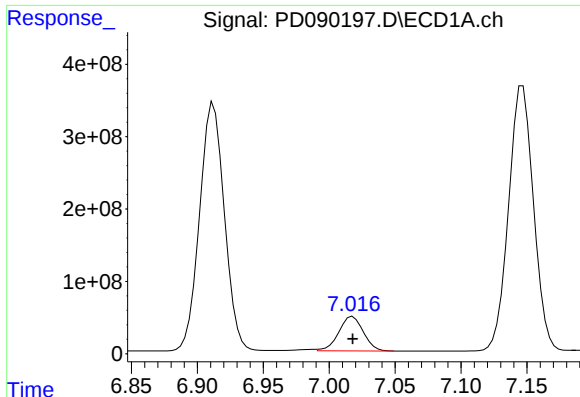
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 3385705344
Conc: 978.78 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.001 min
Response: 16698402955
Conc: 694.50 ng/ml



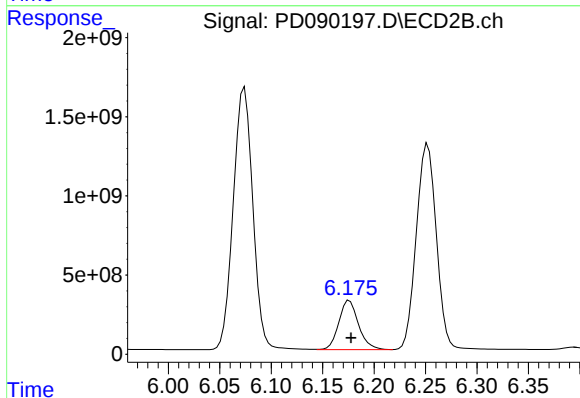
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.001 min
Response: 614126382
Conc: 161.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

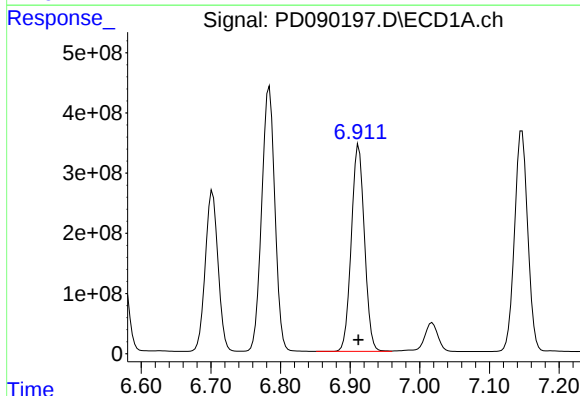
Manual Integrations
APPROVED

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



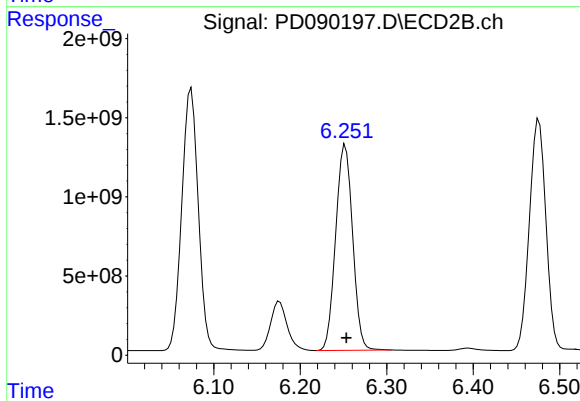
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.002 min
Response: 4131934358
Conc: 164.82 ng/ml



#18 Endrin aldehyde

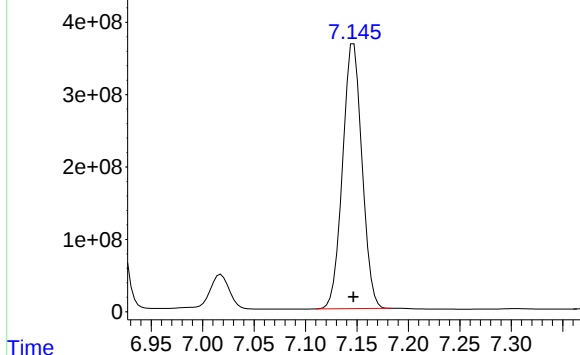
R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 4498774306
Conc: 1569.07 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 13981260744
Conc: 811.92 ng/ml

Response_ Signal: PD090197.D\ECD1A.ch



#19 Endosulfan Sulfate

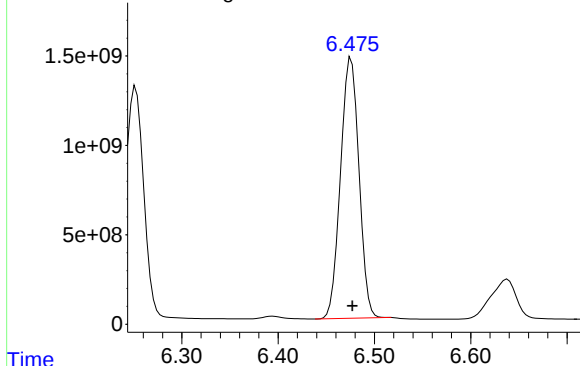
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 4810751406
Conc: 1227.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

Manual Integrations
APPROVED

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

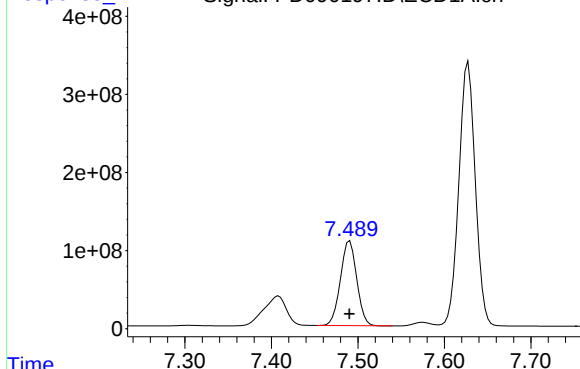
Time Response_ Signal: PD090197.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 15767095109
Conc: 646.73 ng/ml

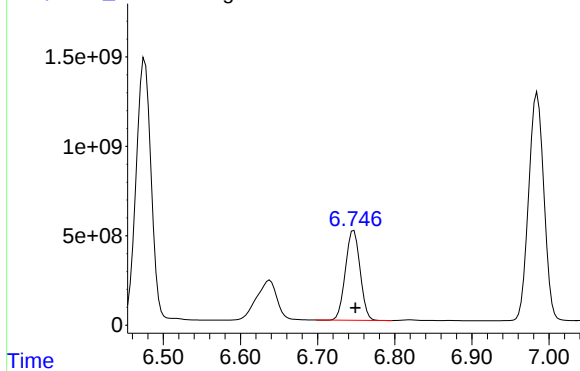
Response_ Signal: PD090197.D\ECD1A.ch



#20 Methoxychlor

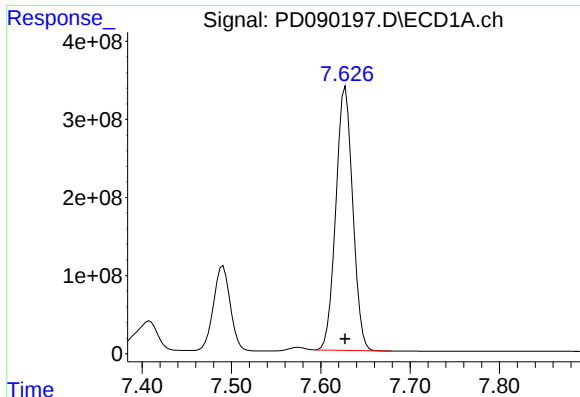
R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 1415515628
Conc: 705.78 ng/ml

Time Response_ Signal: PD090197.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 6612936355
Conc: 512.80 ng/ml



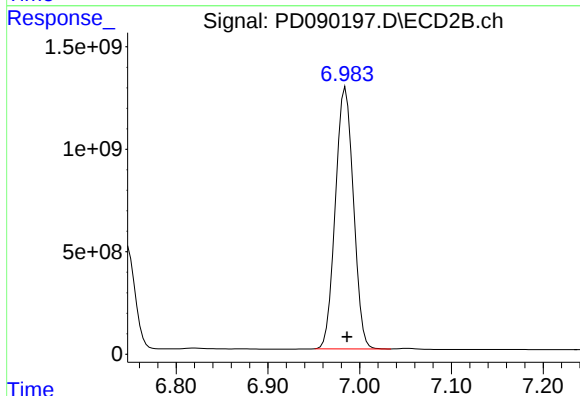
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 4429548483
Conc: 1068.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

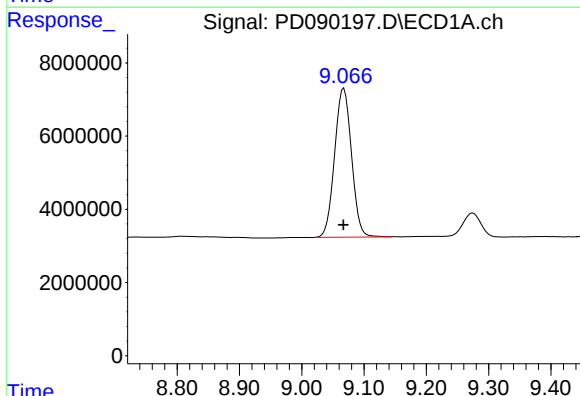
Manual Integrations
APPROVED

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



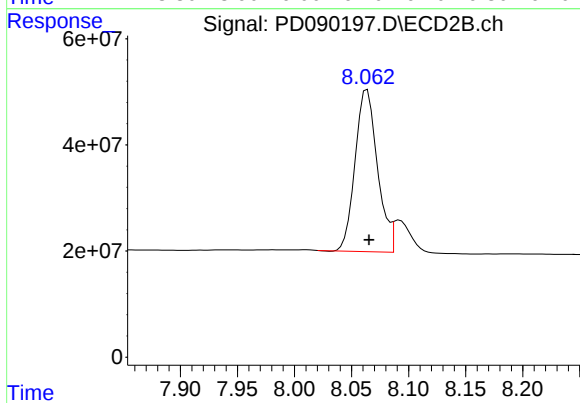
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.002 min
Response: 13859523742
Conc: 520.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 76791054
Conc: 17.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.002 min
Response: 415875887
Conc: 16.07 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PEST-WPDL	SDG No.:	Q3015
Lab Sample ID:	Q3015-09DL	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090198.D	10	09/08/25 10:05	09/08/25 17:46	PB169601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	21.2	ED	0.039	0.50	ug/L
319-85-7	beta-BHC	14.3	ED	0.049	0.50	ug/L
319-86-8	delta-BHC	16.1	ED	0.11	0.50	ug/L
58-89-9	gamma-BHC (Lindane)	18.5	ED	0.037	0.50	ug/L
76-44-8	Heptachlor	6.10	D	0.027	0.50	ug/L
309-00-2	Aldrin	2.00	D	0.036	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60	D	0.096	0.50	ug/L
959-98-8	Endosulfan I	18.1	ED	0.031	0.50	ug/L
60-57-1	Dieldrin	7.50	D	0.036	0.50	ug/L
72-55-9	4,4-DDE	9.80	D	0.037	0.50	ug/L
72-20-8	Endrin	5.70	D	0.032	0.50	ug/L
33213-65-9	Endosulfan II	14.1	ED	0.079	0.50	ug/L
72-54-8	4,4-DDD	9.40	D	0.071	0.50	ug/L
1031-07-8	Endosulfan Sulfate	12.4	ED	0.037	0.50	ug/L
50-29-3	4,4-DDT	1.80	D	0.035	0.50	ug/L
72-43-5	Methoxychlor	7.20	D	0.11	0.50	ug/L
53494-70-5	Endrin ketone	11.0	ED	0.093	0.50	ug/L
7421-93-4	Endrin aldehyde	16.7	ED	0.11	0.50	ug/L
5103-71-9	alpha-Chlordane	6.40	D	0.035	0.50	ug/L
5103-74-2	gamma-Chlordane	8.40	D	0.039	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		57 - 171	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.6		61 - 148	128%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PEST-WPDL	SDG No.:	Q3015
Lab Sample ID:	Q3015-09DL	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
			uL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090198.D	10	09/08/25 10:05	09/08/25 17:46	PB169601

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090198.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 17:46
 Operator : AR\AJ
 Sample : Q3015-09DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WP0925-PT-PEST-WPDL

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:43:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.556	2.877	7029390	56487453	2.395	2.562
28)	SA Decachlor...	9.079	8.064	9253973	50480980	2.144	1.950m
Target Compounds							
2)	A alpha-BHC	4.006	3.389	1272.8E6	5987.7E6	212.054	176.427
3)	MA gamma-BHC...	4.337	3.725	1059.6E6	4990.8E6	185.028	160.111
4)	MA Heptachlor	4.935	4.078	343.2E6	1815.4E6	61.186	58.200
5)	MB Aldrin	5.277	4.363	94834314	594.8E6	17.515	19.530
6)	B beta-BHC	4.524	4.021	320.9E6	1810.0E6	143.080	135.778
7)	B delta-BHC	4.772	4.258	832.6E6	3920.6E6	160.810	124.268
8)	B Heptachlo...	5.697	4.868	272.1E6	1545.1E6	55.460	55.790
9)	A Endosulfan I	6.080	5.242	837.3E6	4220.1E6	181.426	160.938
10)	B gamma-Chl...	5.951	5.120	409.7E6	2385.1E6	83.759m	80.546
11)	B alpha-Chl...	6.033	5.185	310.6E6	1813.4E6	63.097	63.542
12)	B 4,4'-DDE	6.202	5.369	432.1E6	2631.4E6	98.461	91.297
13)	MA Dieldrin	6.353	5.507	365.0E6	2099.8E6	74.559	71.696
14)	MA Endrin	6.580	5.784	235.7E6	1470.2E6	56.889	55.205
15)	B Endosulfa...	6.792	6.075	594.8E6	3334.1E6	140.963	131.809
16)	A 4,4'-DDD	6.712	5.924	325.0E6	2182.1E6	93.960	90.756
17)	MA 4,4'-DDT	7.025	6.178	55635760	460.0E6	14.604m	18.350 #
18)	B Endrin al...	6.921	6.254	479.8E6	2727.3E6	167.361	158.382
19)	B Endosulfa...	7.156	6.477	487.2E6	2850.9E6	124.332	116.938
20)	A Methoxychlor	7.499	6.748	140.1E6	929.0E6	69.860	72.041
21)	B Endrin ke...	7.635	6.986	455.4E6	2695.9E6	109.891m	101.180

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 17:46
Operator : AR\AJ
Sample : Q3015-09DL 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

WP0925-PT-PEST-WPDL

Manual Integrations

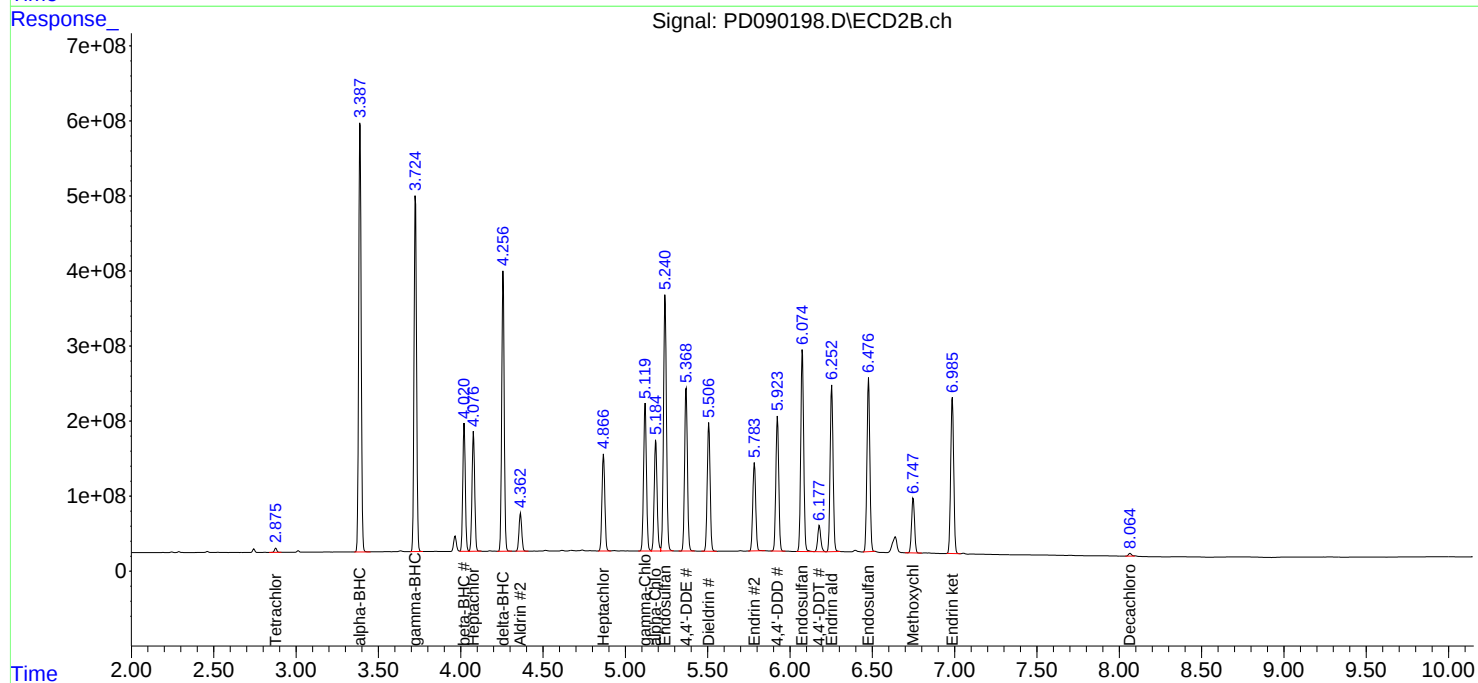
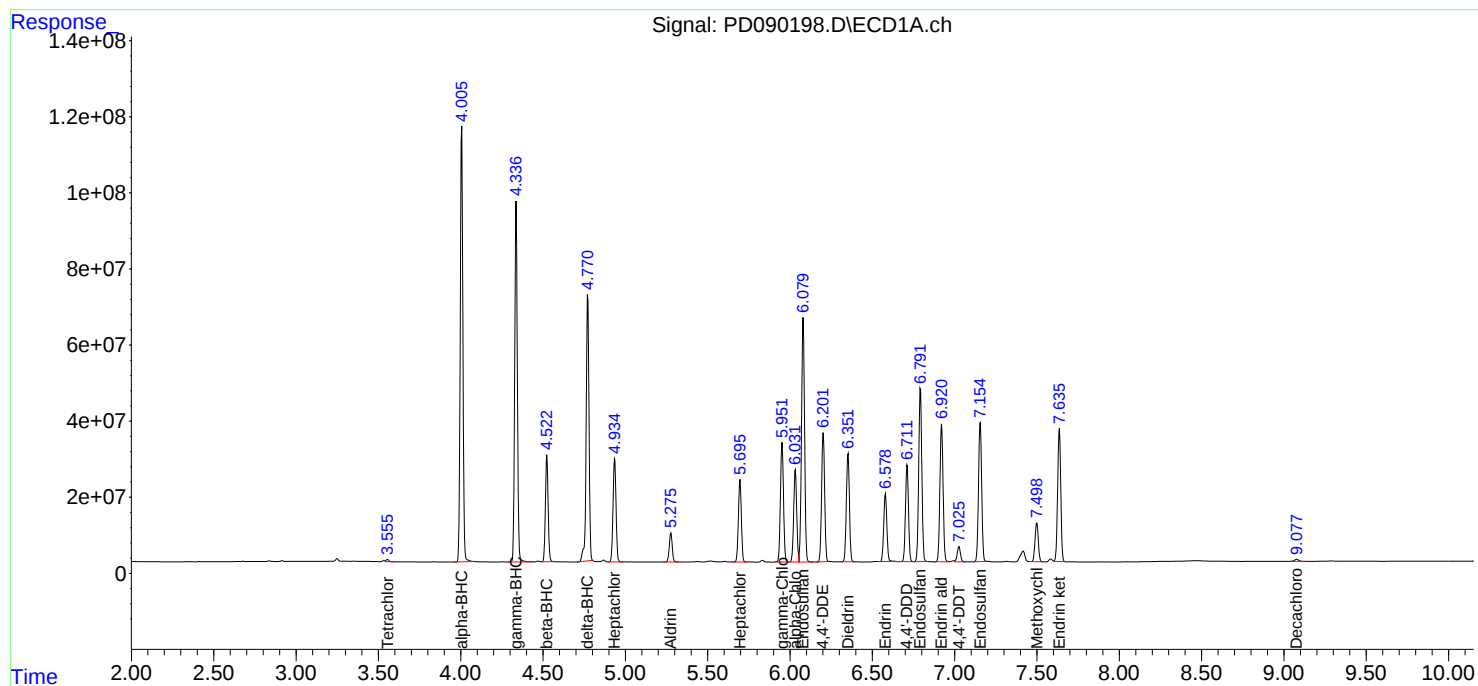
APPROVED

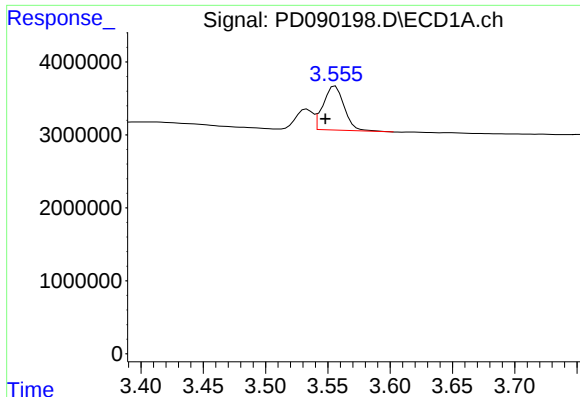
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.008 min
Response: 7029390
Conc: 2.40 ng/ml

Instrument :

ECD_D

ClientSampleId :

WP0925-PT-PEST-WPDL

Manual Integrations
APPROVED

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

#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 56487453
Conc: 2.56 ng/ml

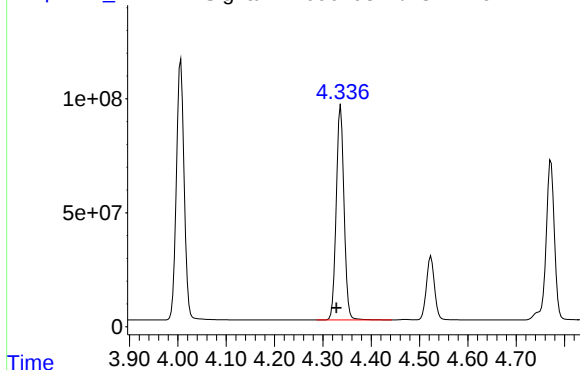
#2 alpha-BHC

R.T.: 4.006 min
Delta R.T.: 0.009 min
Response: 1272794203
Conc: 212.05 ng/ml

#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 5987741798
Conc: 176.43 ng/ml

Response_ Signal: PD090198.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.337 min
Delta R.T.: 0.009 min
Response: 1059625651
Conc: 185.03 ng/ml

Instrument :

ECD_D

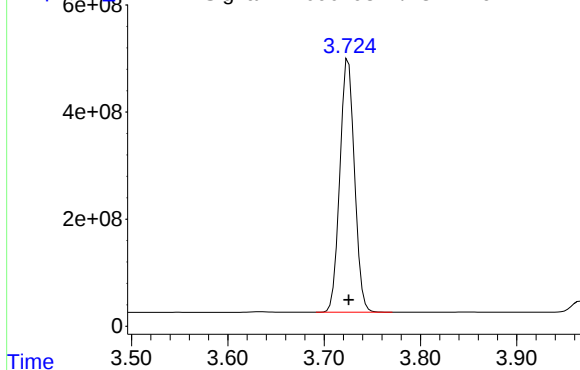
ClientSampleId :

WP0925-PT-PEST-WPDL

Manual Integrations
APPROVED

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

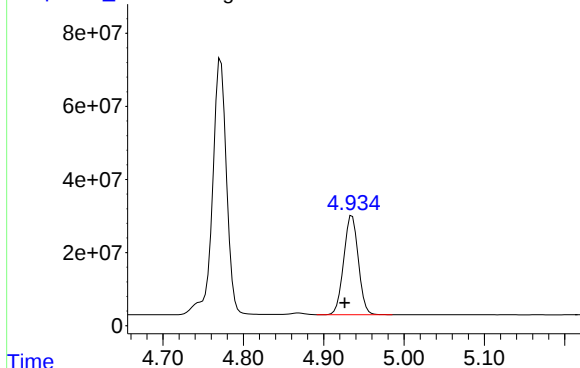
Response_ Signal: PD090198.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 4990758593
Conc: 160.11 ng/ml

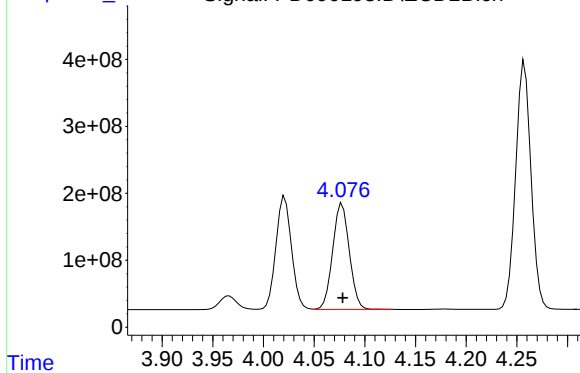
Response_ Signal: PD090198.D\ECD1A.ch



#4 Heptachlor

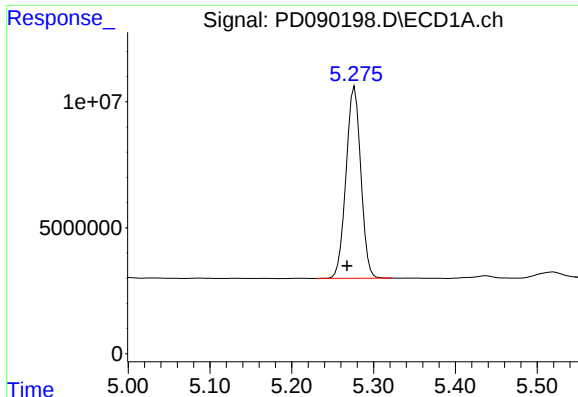
R.T.: 4.935 min
Delta R.T.: 0.009 min
Response: 343204677
Conc: 61.19 ng/ml

Response_ Signal: PD090198.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1815350138
Conc: 58.20 ng/ml



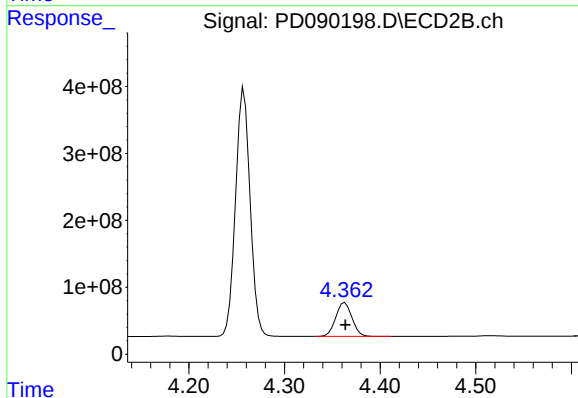
#5 Aldrin

R.T.: 5.277 min
Delta R.T.: 0.009 min
Response: 94834314
Conc: 17.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL

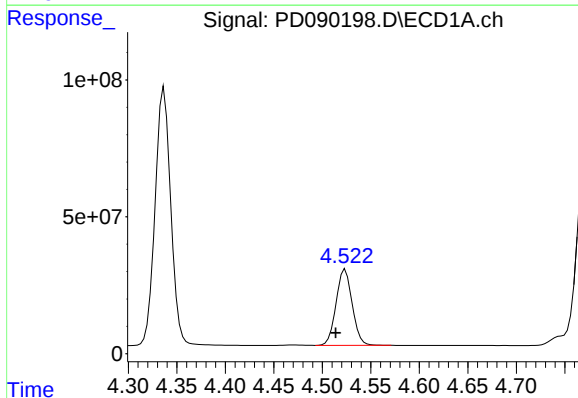
Manual Integrations
APPROVED

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



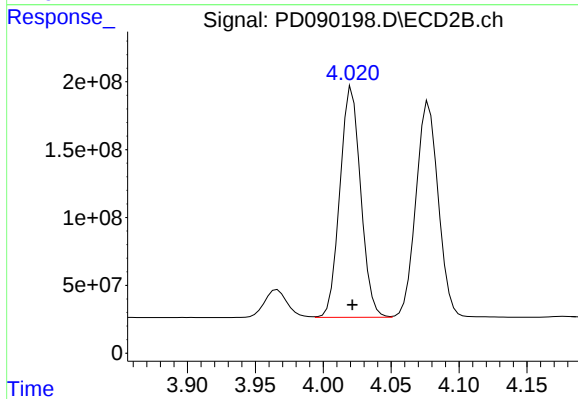
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 594794389
Conc: 19.53 ng/ml



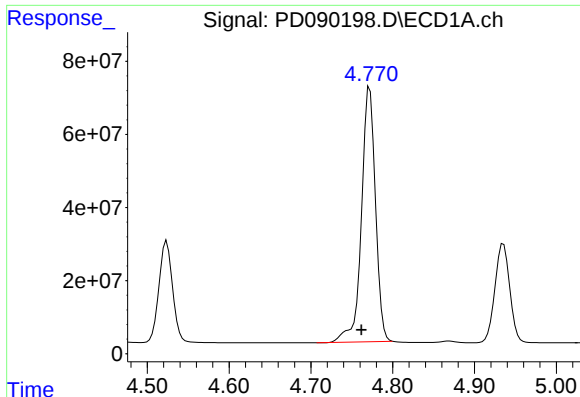
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.010 min
Response: 320930808
Conc: 143.08 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 1809951853
Conc: 135.78 ng/ml



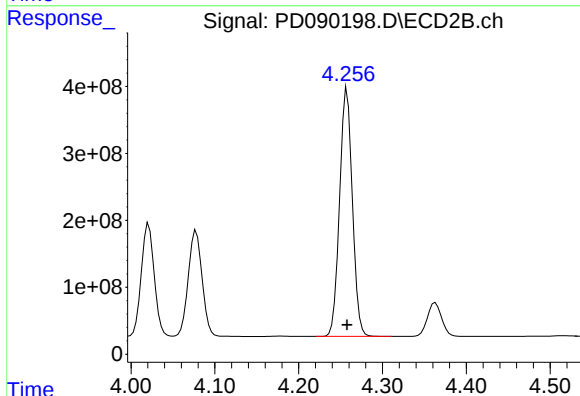
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.010 min
Response: 832626232
Conc: 160.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL

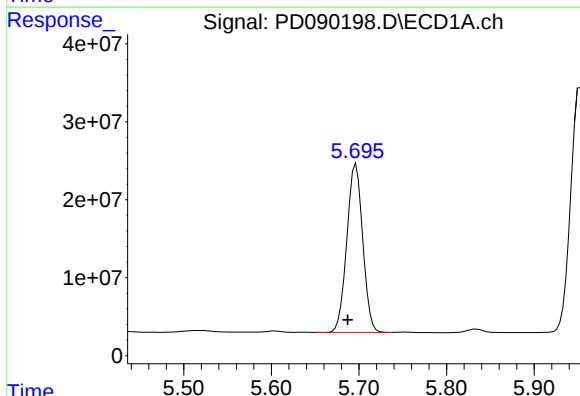
Manual Integrations
APPROVED

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



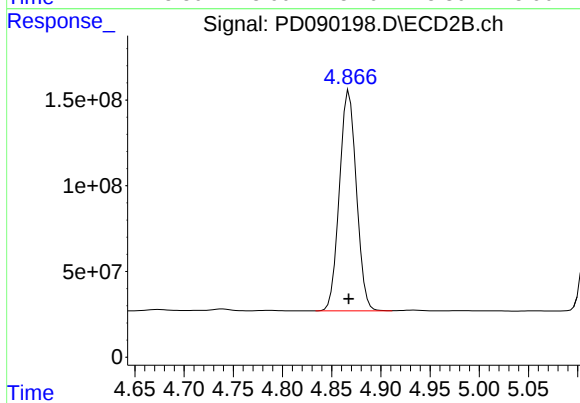
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 3920626507
Conc: 124.27 ng/ml



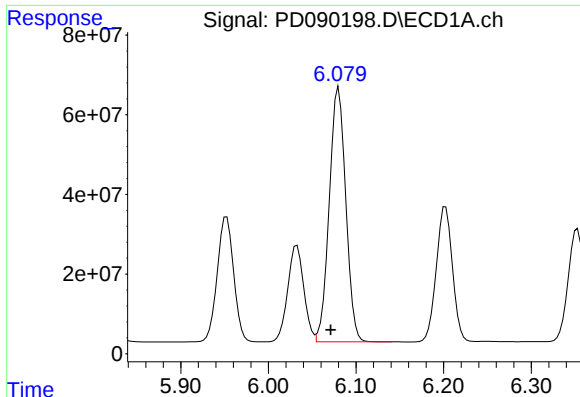
#8 Heptachlor epoxide

R.T.: 5.697 min
Delta R.T.: 0.009 min
Response: 272129149
Conc: 55.46 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1545097967
Conc: 55.79 ng/ml



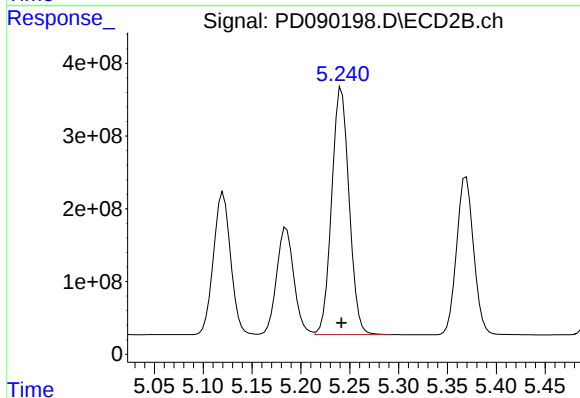
#9 Endosulfan I

R.T.: 6.080 min
Delta R.T.: 0.009 min
Response: 837261205
Conc: 181.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL

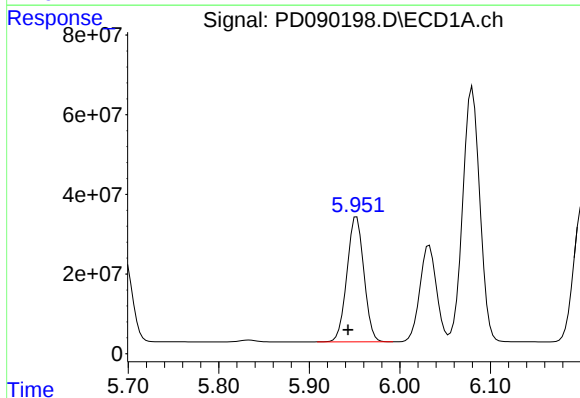
Manual Integrations
APPROVED

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



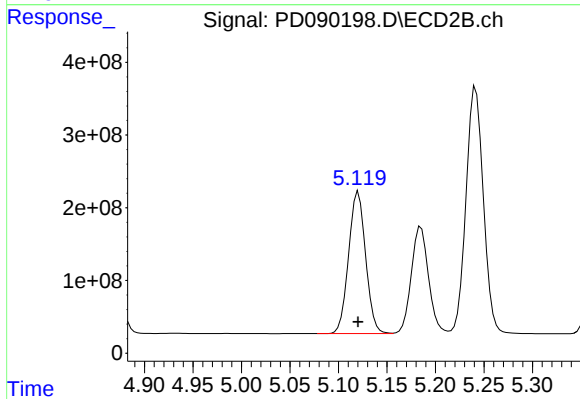
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 4220071275
Conc: 160.94 ng/ml



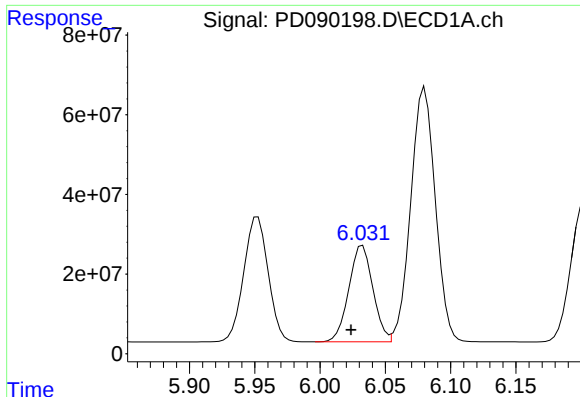
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.008 min
Response: 409663169
Conc: 83.76 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 2385064694
Conc: 80.55 ng/ml



#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.009 min
Response: 310590941
Conc: 63.10 ng/ml

Instrument :

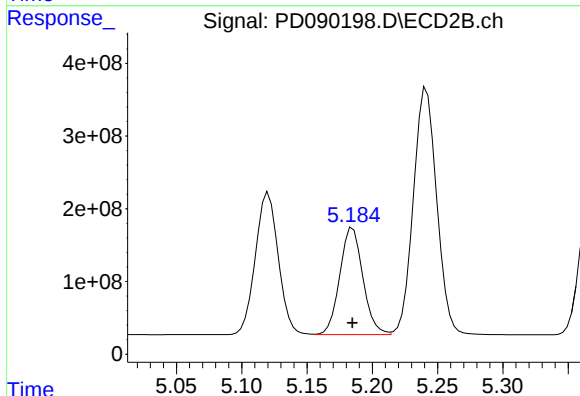
ECD_D

ClientSampleId :

WP0925-PT-PEST-WPDL

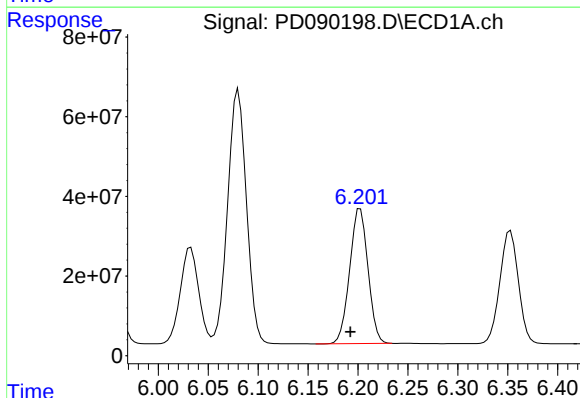
Manual Integrations
APPROVED

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



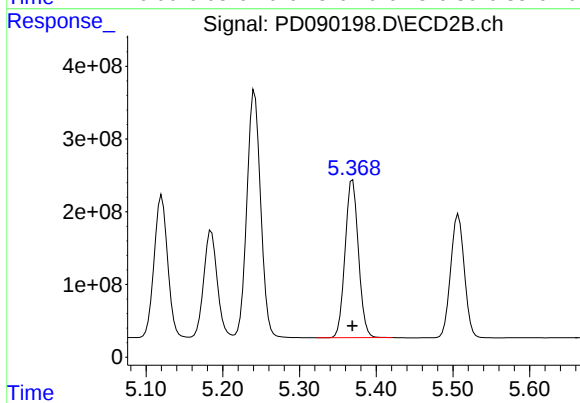
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1813365244
Conc: 63.54 ng/ml



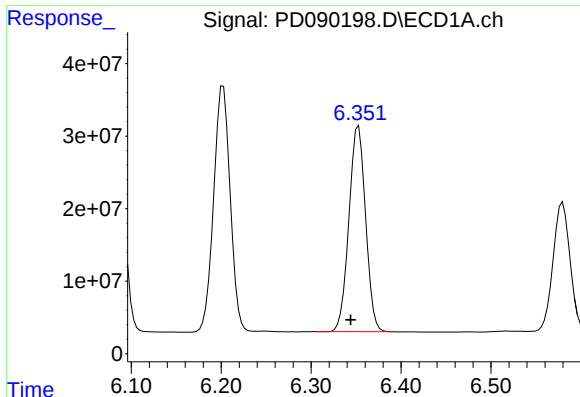
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.010 min
Response: 432075588
Conc: 98.46 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 2631445275
Conc: 91.30 ng/ml



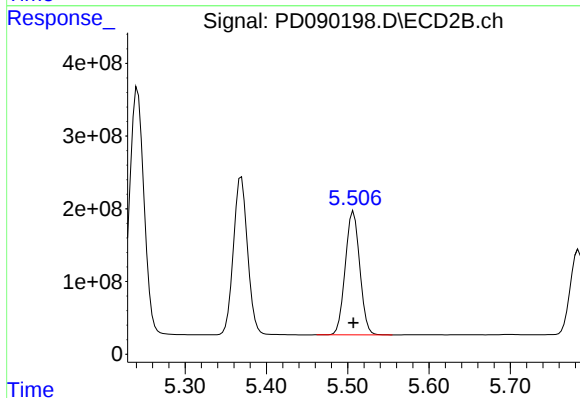
#13 Dieldrin

R.T.: 6.353 min
Delta R.T.: 0.009 min
Response: 365024705
Conc: 74.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL

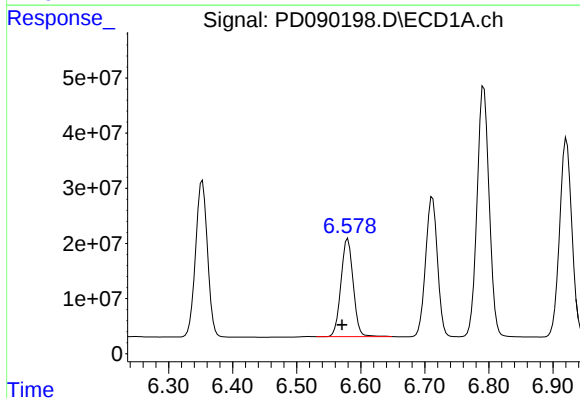
Manual Integrations
APPROVED

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



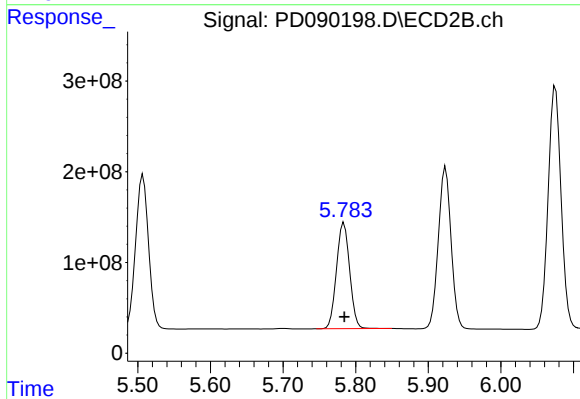
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 2099783400
Conc: 71.70 ng/ml



#14 Endrin

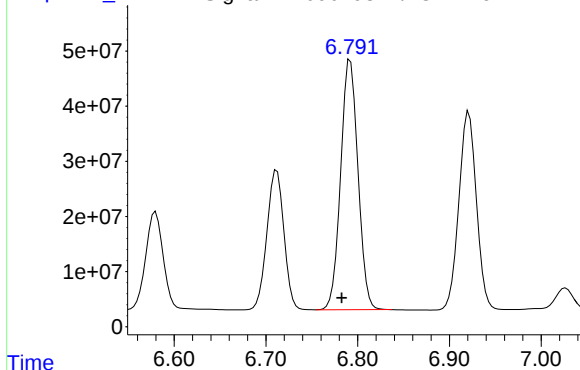
R.T.: 6.580 min
Delta R.T.: 0.009 min
Response: 235723391
Conc: 56.89 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1470237015
Conc: 55.21 ng/ml

Response_ Signal: PD090198.D\ECD1A.ch



#15 Endosulfan II

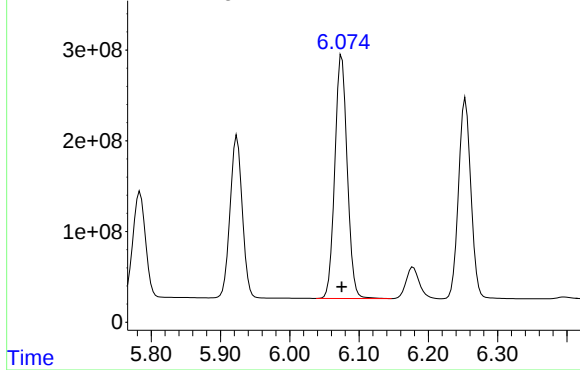
R.T.: 6.792 min
Delta R.T.: 0.009 min
Response: 594825098
Conc: 140.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL

Manual Integrations
APPROVED

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

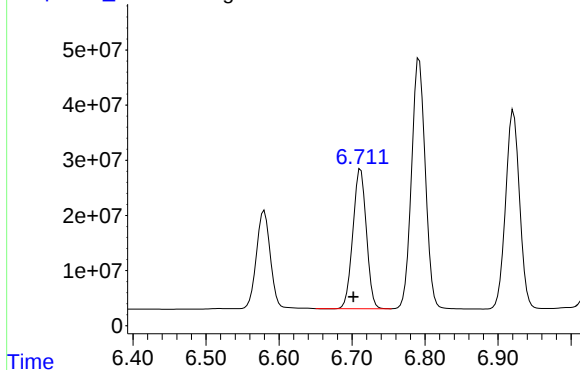
Time Response_ Signal: PD090198.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 3334052303
Conc: 131.81 ng/ml

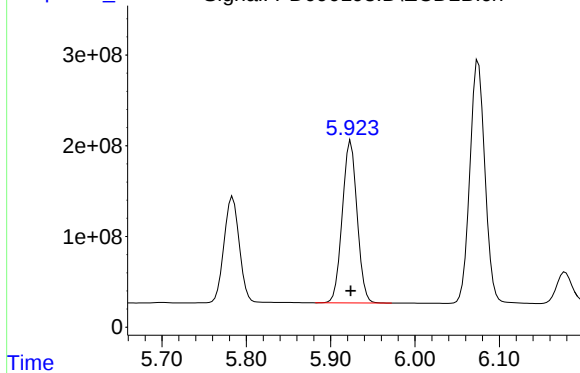
Time Response_ Signal: PD090198.D\ECD1A.ch



#16 4,4'-DDD

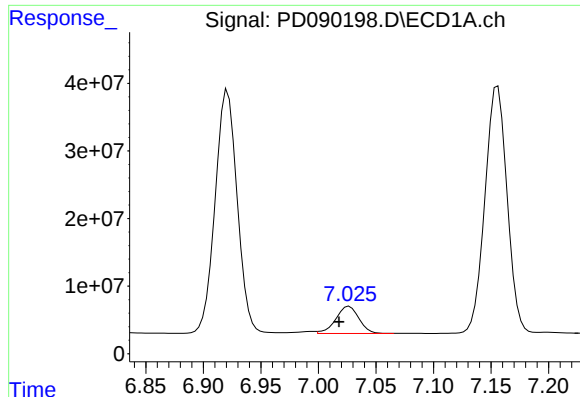
R.T.: 6.712 min
Delta R.T.: 0.010 min
Response: 325017586
Conc: 93.96 ng/ml

Time Response_ Signal: PD090198.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 2182099071
Conc: 90.76 ng/ml



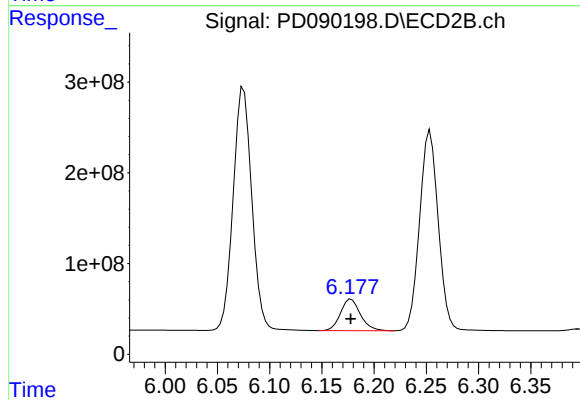
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.008 min
Response: 55635760
Conc: 14.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL

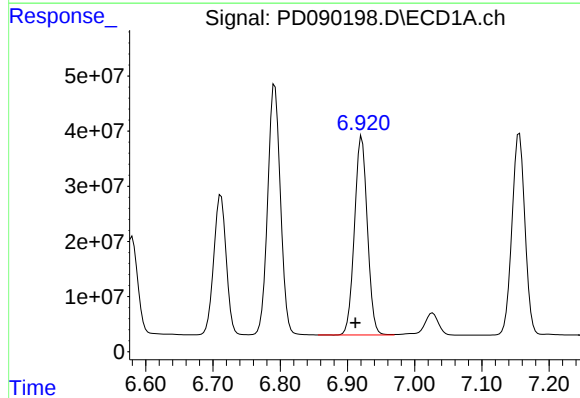
Manual Integrations
APPROVED

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



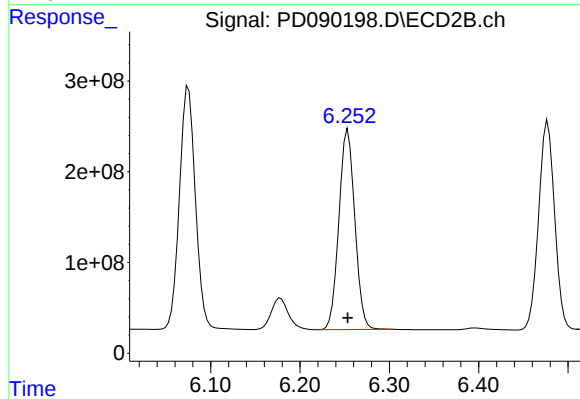
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 460017818
Conc: 18.35 ng/ml



#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.009 min
Response: 479849757
Conc: 167.36 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 2727321105
Conc: 158.38 ng/ml

Response_ Signal: PD090198.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.009 min
Response: 487196018
Conc: 124.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL

Manual Integrations
APPROVED

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

Time

Response_ Signal: PD090198.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 2850907534
Conc: 116.94 ng/ml

Time

Response_ Signal: PD090198.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.009 min
Response: 140112591
Conc: 69.86 ng/ml

Time

Response_ Signal: PD090198.D\ECD2B.ch

#20 Methoxychlor

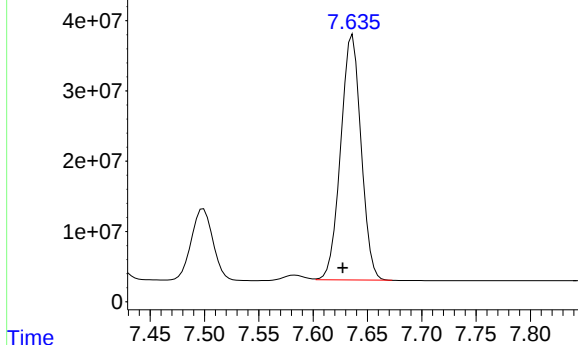
R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 929020779
Conc: 72.04 ng/ml

Time

Response_ Signal: PD090198.D\ECD1A.ch

Time

Response_ Signal: PD090198.D\ECD1A.ch



#21 Endrin ketone

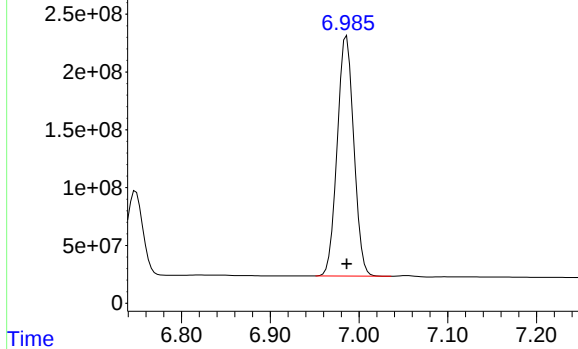
R.T.: 7.635 min
Delta R.T.: 0.008 min
Response: 455446267
Conc: 109.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL

Manual Integrations
APPROVED

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

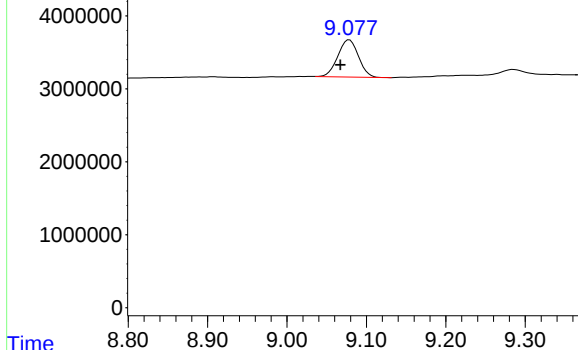
Response_ Signal: PD090198.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 2695905127
Conc: 101.18 ng/ml

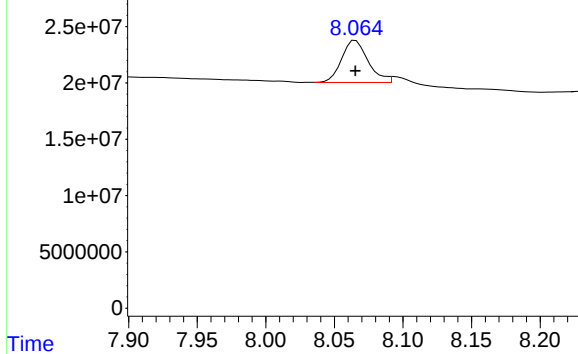
Response_ Signal: PD090198.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.012 min
Response: 9253973
Conc: 2.14 ng/ml

Response_ Signal: PD090198.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 50480980
Conc: 1.95 ng/ml m

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	09/02/25	
Project:	NJ Waste Water PT		Date Received:	09/04/25	
Client Sample ID:	WP0925-PT-PEST-WPDL2		SDG No.:	Q3015	
Lab Sample ID:	Q3015-09DL2		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090199.D	100	09/08/25 10:05	09/08/25 18:00	PB169601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	19.8	D	0.39	5.00	ug/L
319-85-7	beta-BHC	16.6	D	0.49	5.00	ug/L
319-86-8	delta-BHC	14.2	D	1.10	5.00	ug/L
58-89-9	gamma-BHC (Lindane)	18.2	D	0.37	5.00	ug/L
76-44-8	Heptachlor	7.00	D	0.27	5.00	ug/L
309-00-2	Aldrin	2.30	JD	0.36	5.00	ug/L
1024-57-3	Heptachlor epoxide	6.80	D	0.96	5.00	ug/L
959-98-8	Endosulfan I	20.2	D	0.31	5.00	ug/L
60-57-1	Dieldrin	8.60	D	0.36	5.00	ug/L
72-55-9	4,4-DDE	10.8	D	0.37	5.00	ug/L
72-20-8	Endrin	6.60	D	0.32	5.00	ug/L
33213-65-9	Endosulfan II	16.2	D	0.79	5.00	ug/L
72-54-8	4,4-DDD	10.9	D	0.71	5.00	ug/L
1031-07-8	Endosulfan Sulfate	14.4	D	0.37	5.00	ug/L
50-29-3	4,4-DDT	1.80	JD	0.35	5.00	ug/L
72-43-5	Methoxychlor	8.40	D	1.10	5.00	ug/L
53494-70-5	Endrin ketone	12.5	D	0.93	5.00	ug/L
7421-93-4	Endrin aldehyde	19.7	D	1.10	5.00	ug/L
5103-71-9	alpha-Chlordane	7.60	D	0.35	5.00	ug/L
5103-74-2	gamma-Chlordane	9.50	D	0.39	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	0	*	57 - 171	0%	SPK: 20
877-09-8	Tetrachloro-m-xylene	0	*	61 - 148	0%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PEST-WPDL2	SDG No.:	Q3015
Lab Sample ID:	Q3015-09DL2	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090199.D	100	09/08/25 10:05	09/08/25 18:00	PB169601

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090199.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 18:00
 Operator : AR\AJ
 Sample : Q3015-09DL2 100X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WP0925-PT-PEST-WPDL2

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:43:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds

Target Compounds						
2) A	alpha-BHC	3.998	3.389	107.1E6	670.4E6	17.837
3) MA	gamma-BHC...	4.329	3.725	92893785	566.2E6	16.221
4) MA	Heptachlor	4.927	4.077	33583745	216.8E6	5.987
5) MB	Aldrin	5.268	4.363	10269984	68634845	1.897
6) B	beta-BHC	4.516	4.021	35204535	220.9E6	15.695
7) B	delta-BHC	4.764	4.257	73425760	448.3E6	14.181
8) B	Heptachlo...	5.688	4.866	28665595	188.6E6	5.842
9) A	Endosulfan I	6.072	5.241	83264749	529.2E6	18.043
10) B	gamma-Chl...	5.944	5.119	40897167	282.4E6	8.362
11) B	alpha-Chl...	6.025	5.184	32228910	218.1E6	6.547
12) B	4,4'-DDE	6.194	5.368	40328276	312.5E6	9.190
13) MA	Dieldrin	6.345	5.505	35778058	251.1E6	7.308
14) MA	Endrin	6.572	5.782	23280465	174.9E6	5.618
15) B	Endosulfa...	6.784	6.073	60727298	410.3E6	14.391
16) A	4,4'-DDD	6.703	5.922	31061382	261.0E6	8.980
17) MA	4,4'-DDT	7.019	6.176	5429162	44171845	1.425
18) B	Endrin al...	6.913	6.251	51645028	339.7E6	18.013
19) B	Endosulfa...	7.148	6.475	50499551	350.5E6	12.887
20) A	Methoxychlor	7.491	6.745	15119982	107.9E6	7.539
21) B	Endrin ke...	7.628	6.984	46040192	334.1E6	11.109

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:00
Operator : AR\AJ
Sample : Q3015-09DL2 100X
Misc :
ALS Vial : 17 Sample Multiplier: 1

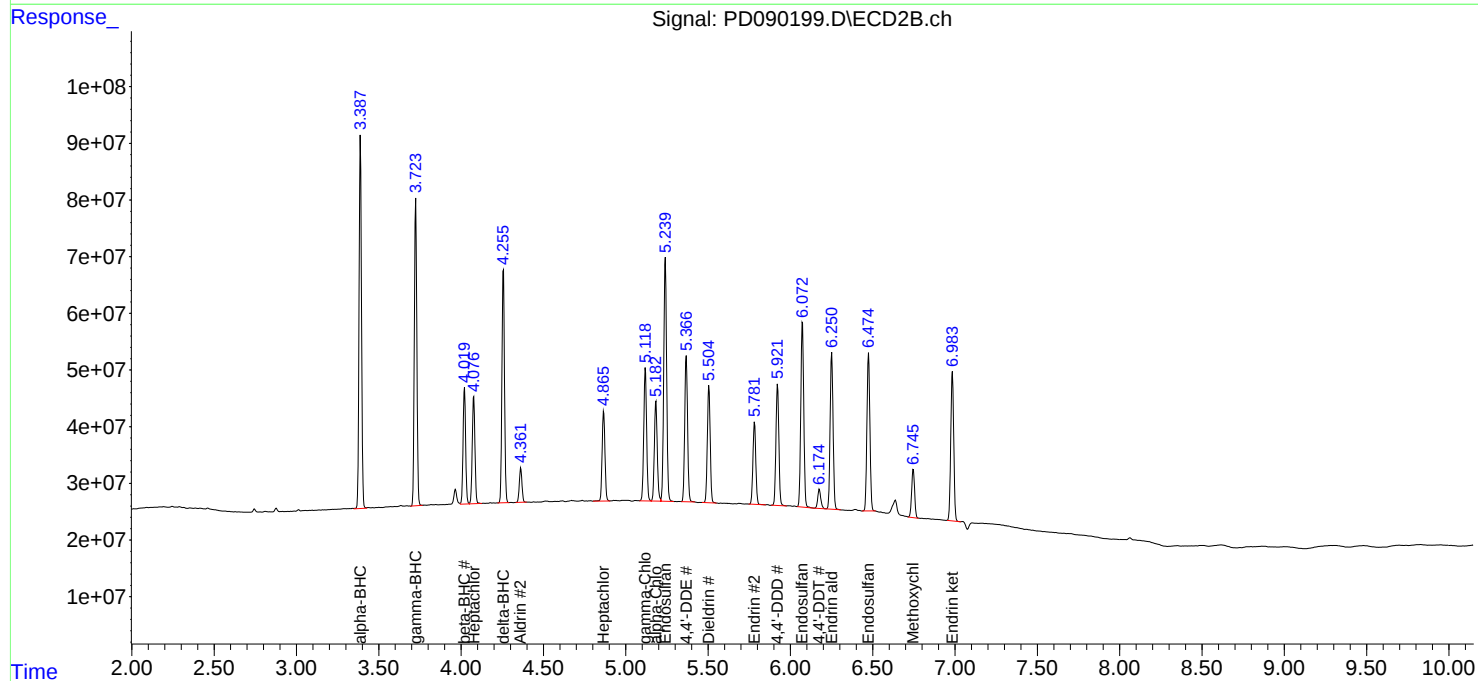
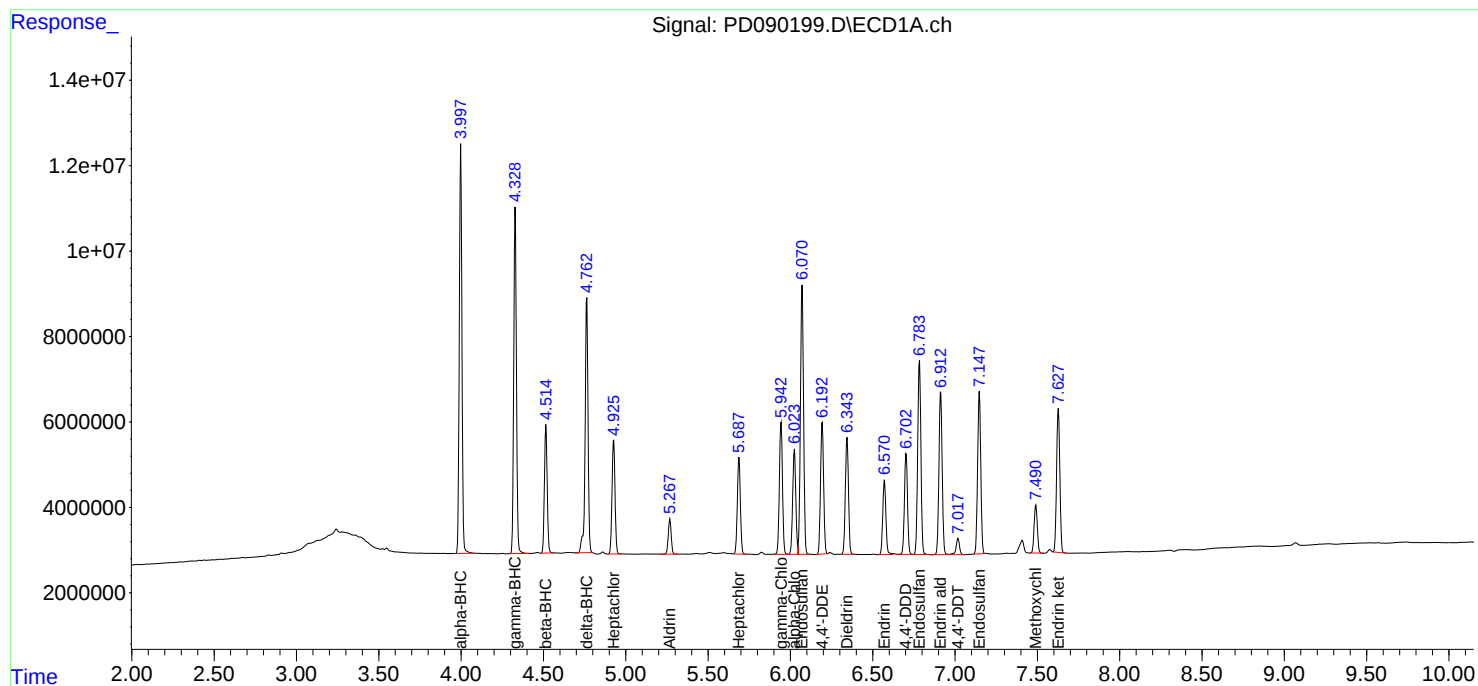
Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

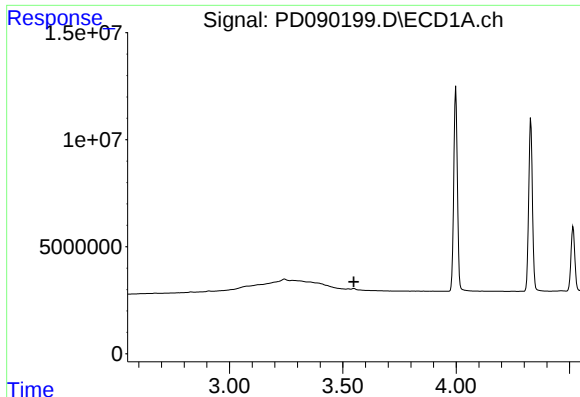
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





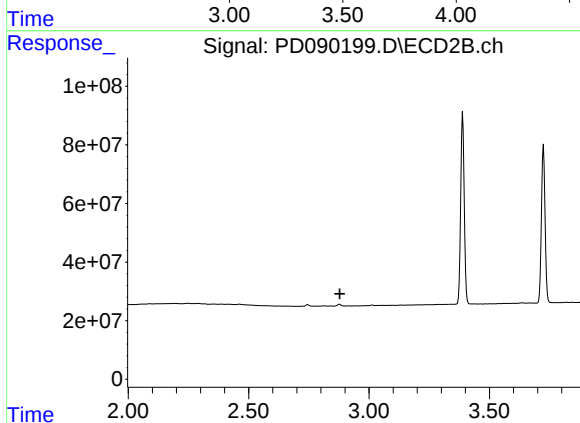
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T.: 3.548 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

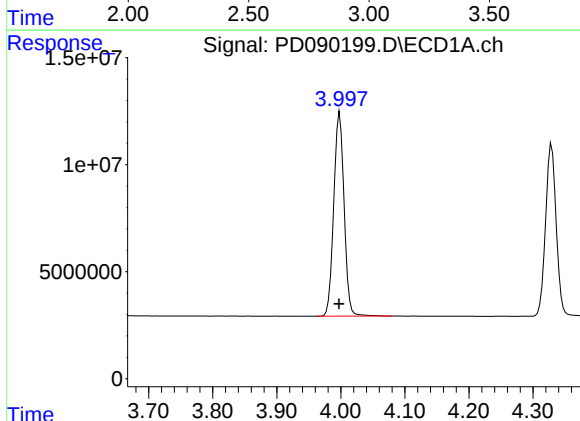
Manual Integrations
APPROVED

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



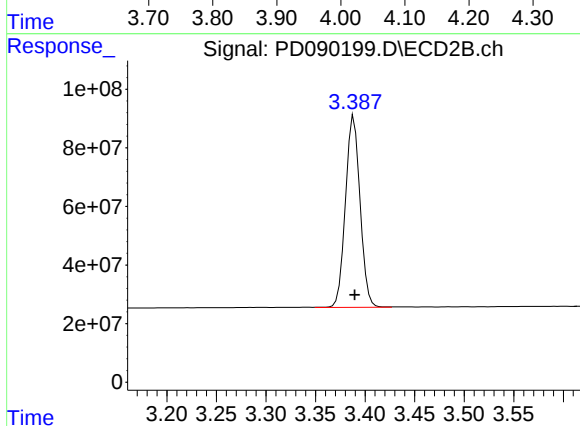
#1 Tetrachloro-m-xylene

R.T.: 0.000 min
Exp R.T.: 2.878 min
Response: 0
Conc: N.D.



#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 107061012
Conc: 17.84 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 670438512
Conc: 19.75 ng/ml

Response_ Signal: PD090199.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.001 min
Response: 92893785
Conc: 16.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

Manual Integrations
APPROVED

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

Time

Response_ Signal: PD090199.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 566181034
Conc: 18.16 ng/ml

Time

Response_ Signal: PD090199.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 33583745
Conc: 5.99 ng/ml

Time

Response_ Signal: PD090199.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 33583745
Conc: 5.99 ng/ml

Time

Response_ Signal: PD090199.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD1A.ch

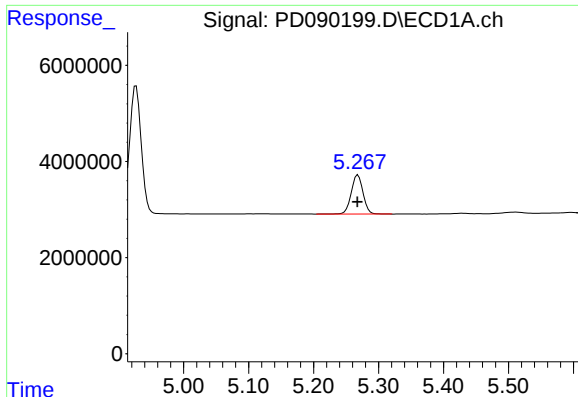
#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 216790464
Conc: 6.95 ng/ml

Time

Response_ Signal: PD090199.D\ECD2B.ch

#4 Heptachlor



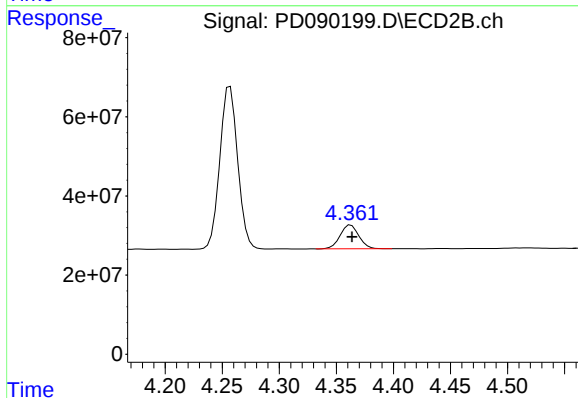
#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 10269984
Conc: 1.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

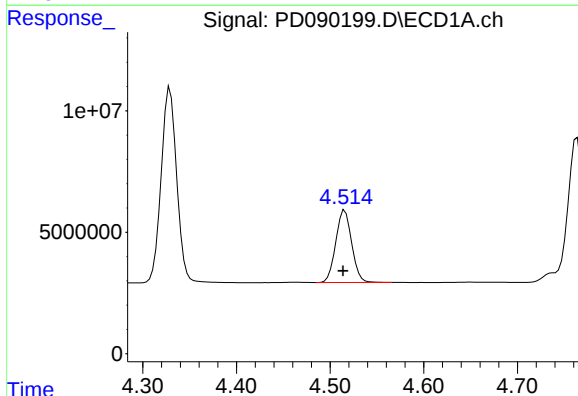
Manual Integrations
APPROVED

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



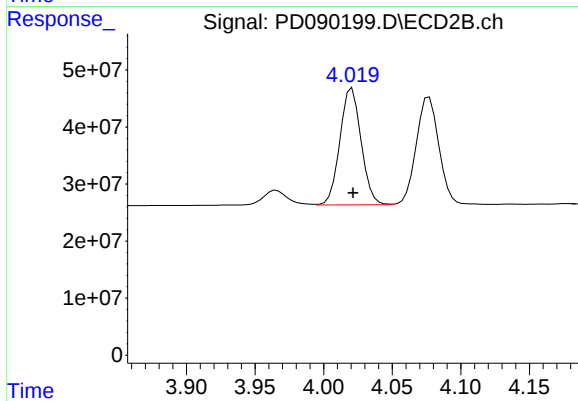
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.001 min
Response: 68634845
Conc: 2.25 ng/ml



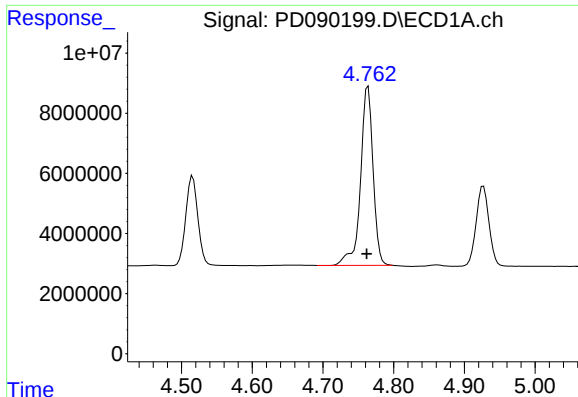
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.002 min
Response: 35204535
Conc: 15.70 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 220874726
Conc: 16.57 ng/ml



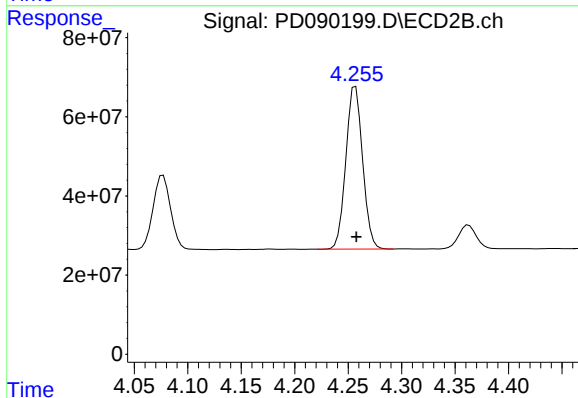
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 73425760
Conc: 14.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

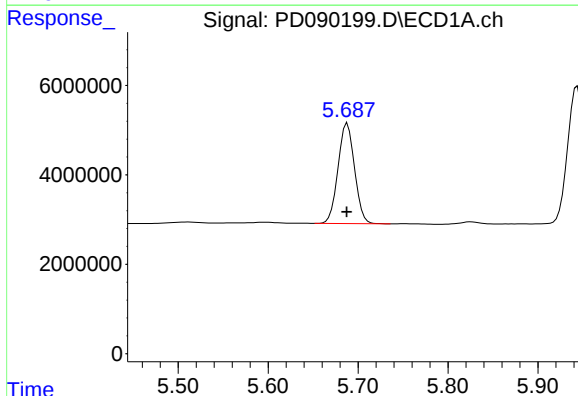
Manual Integrations
APPROVED

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



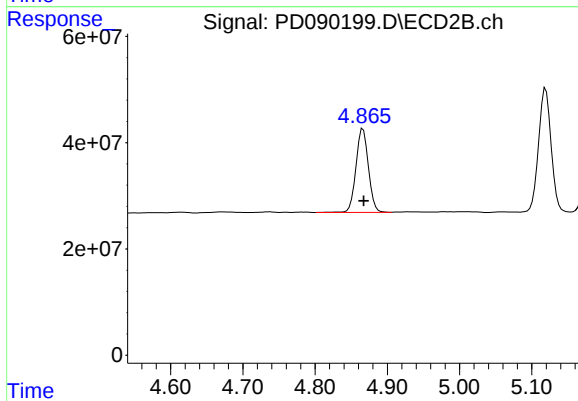
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 448322291
Conc: 14.21 ng/ml



#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 28665595
Conc: 5.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 188583571
Conc: 6.81 ng/ml

Response_ Signal: PD090199.D\ECD1A.ch

#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 83264749
Conc: 18.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

Manual Integrations
APPROVED

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

Time

Response_ Signal: PD090199.D\ECD2B.ch

#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 529155954
Conc: 20.18 ng/ml

Time

Response_ Signal: PD090199.D\ECD1A.ch

#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.001 min
Response: 40897167
Conc: 8.36 ng/ml

Time

Response_ Signal: PD090199.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 282411264
Conc: 9.54 ng/ml

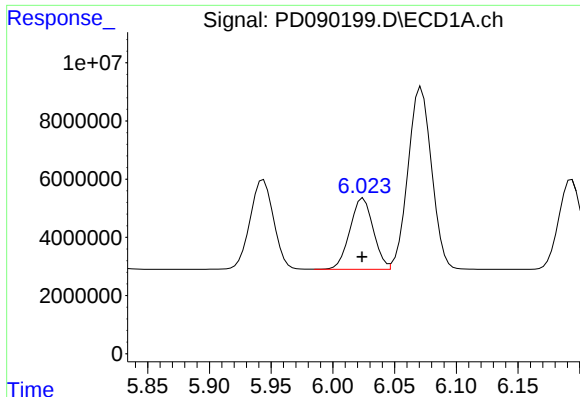
Time

Response_ Signal: PD090199.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 282411264
Conc: 9.54 ng/ml

Time



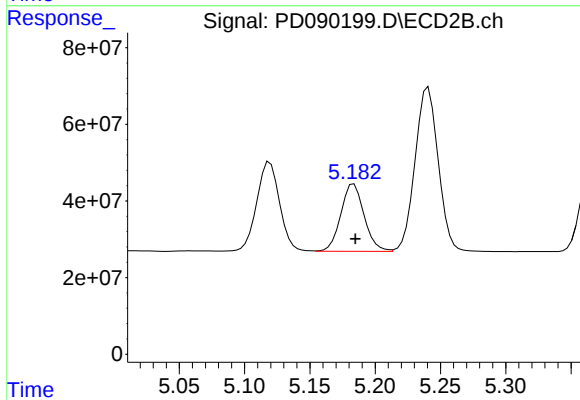
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.001 min
Response: 32228910
Conc: 6.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

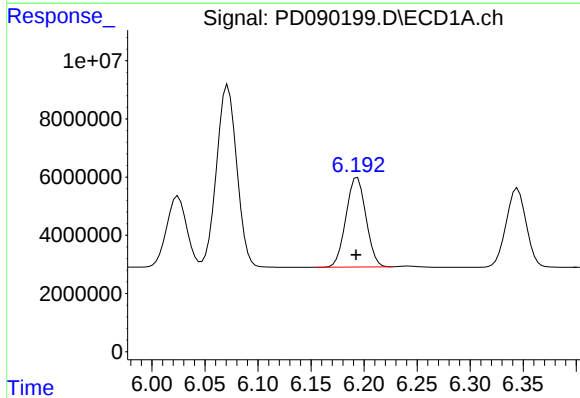
Manual Integrations
APPROVED

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



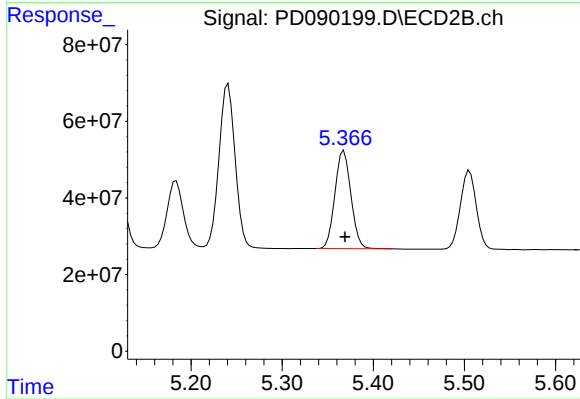
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.001 min
Response: 218084590
Conc: 7.64 ng/ml



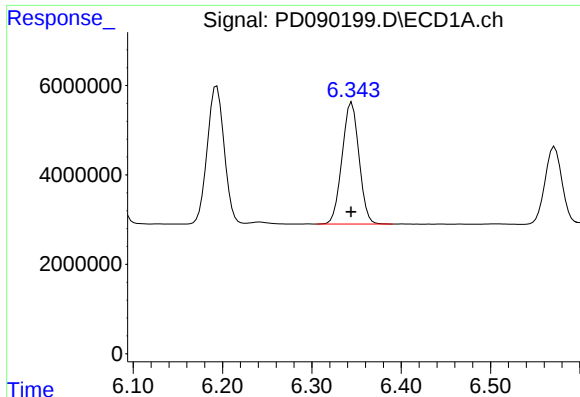
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.001 min
Response: 40328276
Conc: 9.19 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: -0.001 min
Response: 312497915
Conc: 10.84 ng/ml



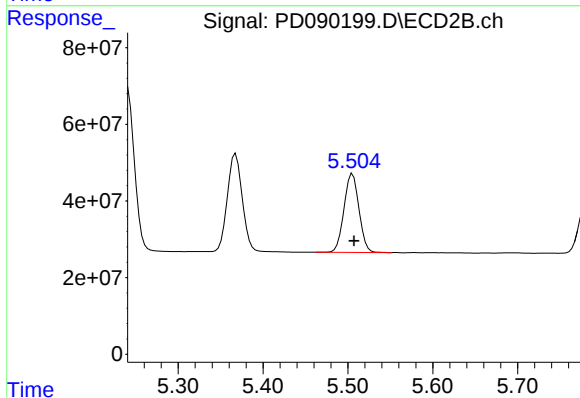
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 35778058
Conc: 7.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

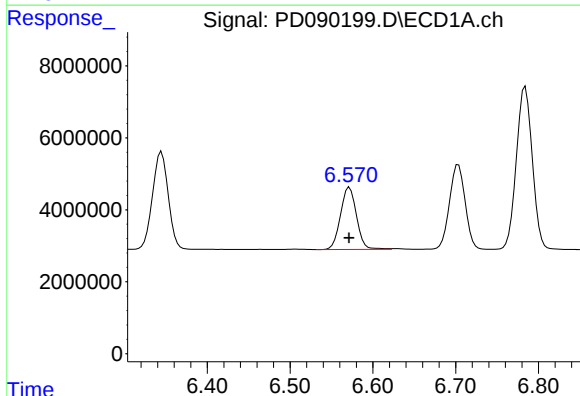
Manual Integrations
APPROVED

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



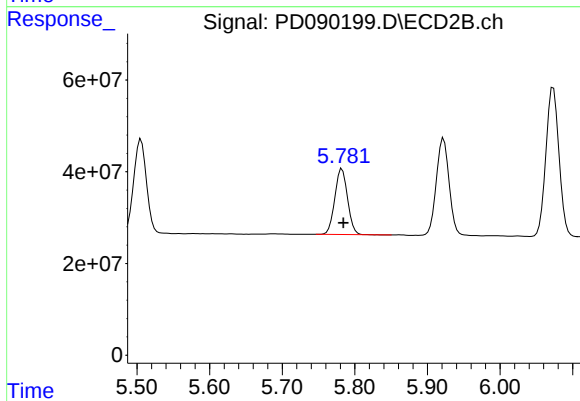
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 251061124
Conc: 8.57 ng/ml



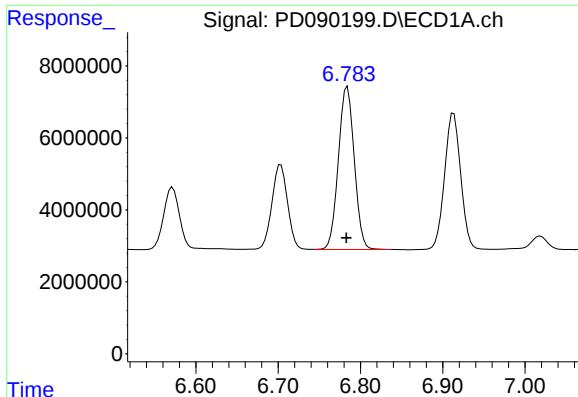
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 23280465
Conc: 5.62 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 174851010
Conc: 6.57 ng/ml



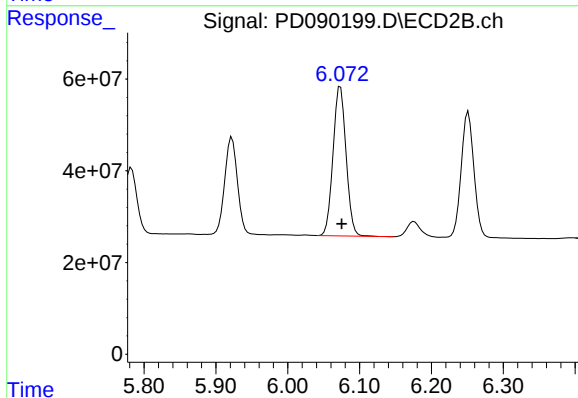
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.001 min
Response: 60727298
Conc: 14.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

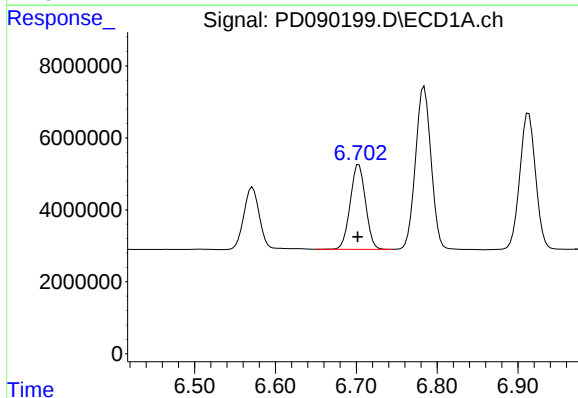
Manual Integrations
APPROVED

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



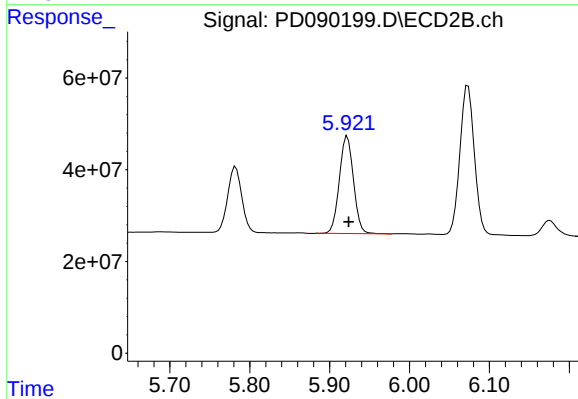
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: -0.002 min
Response: 410292164
Conc: 16.22 ng/ml



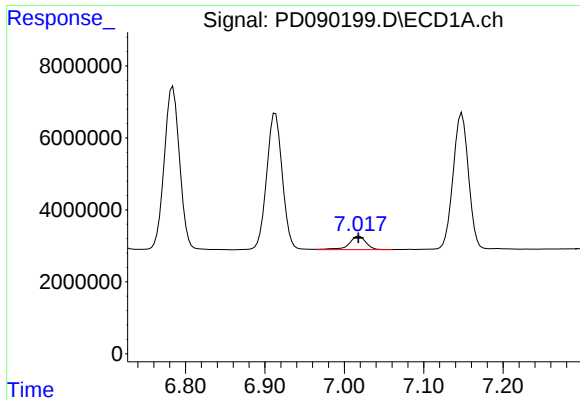
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.001 min
Response: 31061382
Conc: 8.98 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.002 min
Response: 260952134
Conc: 10.85 ng/ml



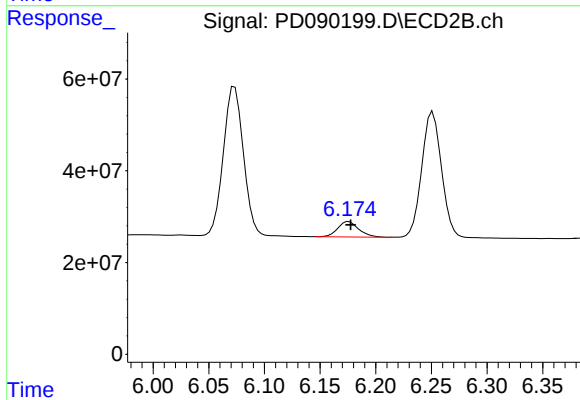
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 5429162
Conc: 1.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

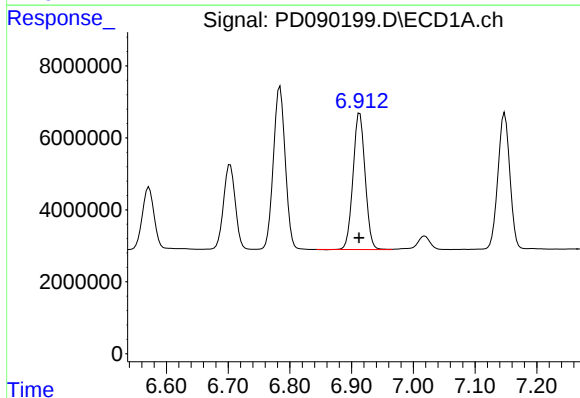
Manual Integrations
APPROVED

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



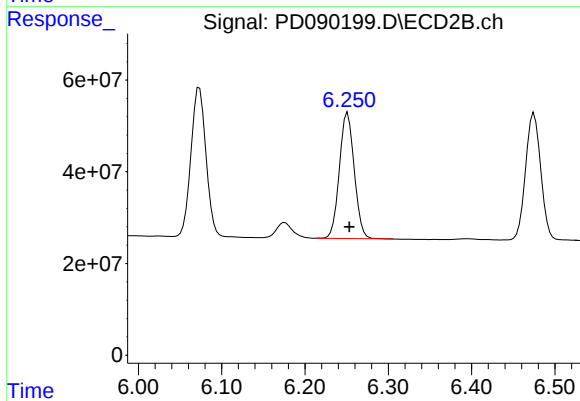
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.002 min
Response: 44171845
Conc: 1.76 ng/ml



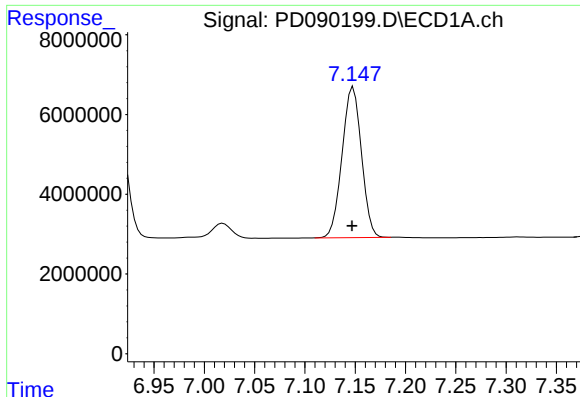
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.001 min
Response: 51645028
Conc: 18.01 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.002 min
Response: 339673614
Conc: 19.73 ng/ml



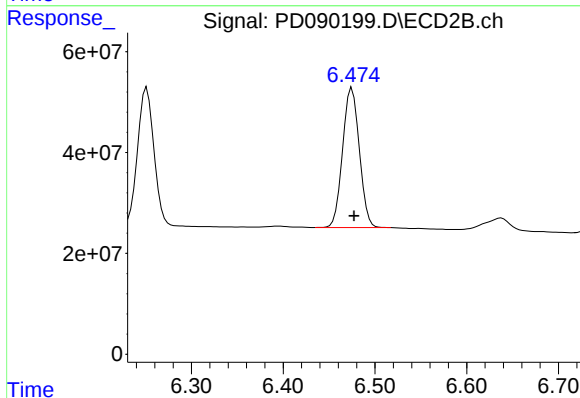
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.001 min
Response: 50499551
Conc: 12.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

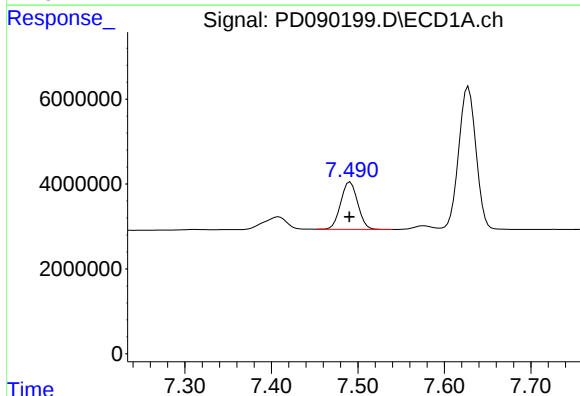
Manual Integrations
APPROVED

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



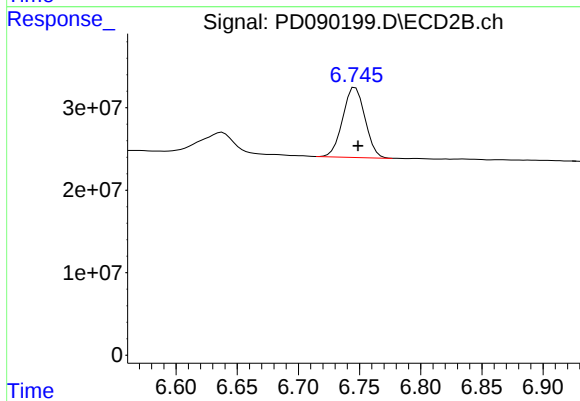
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: -0.002 min
Response: 350494465
Conc: 14.38 ng/ml



#20 Methoxychlor

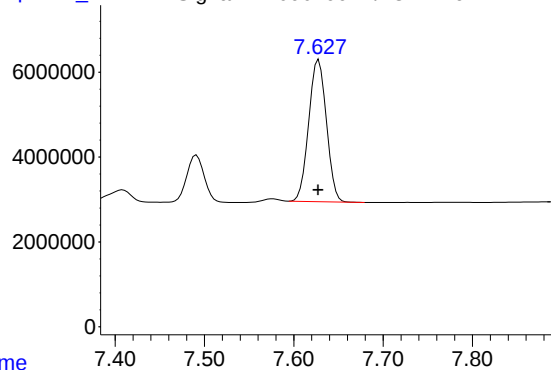
R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 15119982
Conc: 7.54 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.004 min
Response: 107943092
Conc: 8.37 ng/ml m

Response_ Signal: PD090199.D\ECD1A.ch



#21 Endrin ketone

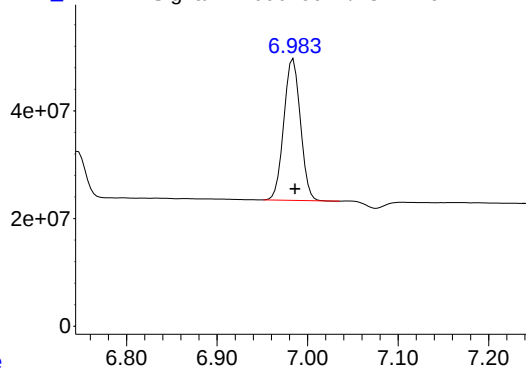
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 46040192
Conc: 11.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WPDL2

Manual Integrations
APPROVED

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

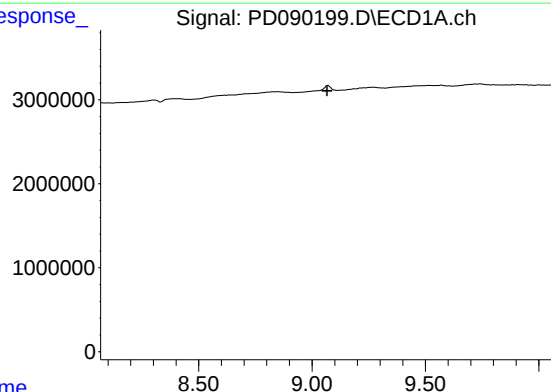
Response_ Signal: PD090199.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 334096687
Conc: 12.54 ng/ml

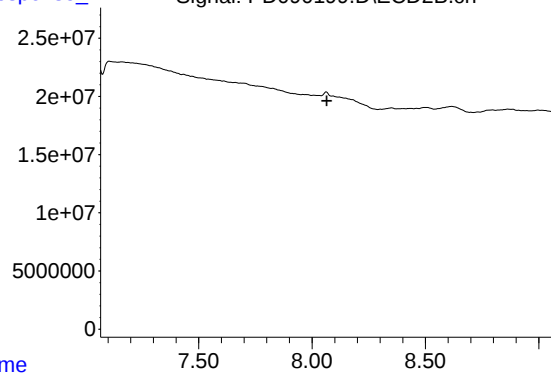
Response_ Signal: PD090199.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 9.067 min
Response: 0
Conc: N.D.

Response_ Signal: PD090199.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 8.065 min
Response: 0
Conc: N.D.



CALIBRATION SUMMARY

- 1
- 2
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- 18

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3015</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>08/18/2025</u> <u>08/18/2025</u>
		Calibration Times:	<u>11:25</u> <u>12:20</u>

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

LAB FILE ID:	RT 100 = <u>PD089964.D</u>	RT 075 = <u>PD089965.D</u>
RT 050 = <u>PD089966.D</u>	RT 025 = <u>PD089967.D</u>	RT 005 = <u>PD089968.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.03	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.52	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.35	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3015</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>08/18/2025</u> <u>08/18/2025</u>
		Calibration Times:	<u>11:25</u> <u>12:20</u>

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

LAB FILE ID:	RT 100 = <u>PD089964.D</u>	RT 075 = <u>PD089965.D</u>
RT 050 = <u>PD089966.D</u>	RT 025 = <u>PD089967.D</u>	RT 005 = <u>PD089968.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.07	8.07	8.07	8.06	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.78	5.79	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ALLI03
SDG NO.: Q3015
Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 11:25 12:20

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

LAB FILE ID:		CF 100 =	<u>PD089964.D</u>	CF 075 =	<u>PD089965.D</u>		
CF 050 =		<u>PD089966.D</u>	CF 025 =	<u>PD089967.D</u>	CF 005 =	<u>PD089968.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3624120000	3462270000	3457660000	3265820000	3485670000	3459110000	4
4,4'-DDE	4626960000	4438390000	4404140000	4140750000	4331330000	4388310000	4
4,4'-DDT	3975570000	3816810000	3832620000	3619780000	3803930000	3809740000	3
Aldrin	5668260000	5424570000	5410420000	5143250000	5426150000	5414530000	3
alpha-BHC	6564570000	6222340000	6076620000	5609710000	5537900000	6002230000	7
alpha-Chlordane	5001030000	4849920000	4872480000	4705810000	5182860000	4922420000	4
beta-BHC	2190370000	2136080000	2186000000	2198420000	2504240000	2243020000	7
Decachlorobiphenyl	3986110000	3969720000	4147630000	4315890000	5160360000	4315940000	11
delta-BHC	5594230000	5259320000	5241270000	4866470000	4927250000	5177710000	6
Dieldrin	5101560000	4896810000	4892720000	4649520000	4938220000	4895770000	3
Endosulfan I	4658430000	4521140000	4563060000	4438270000	4893500000	4614880000	4
Endosulfan II	4207790000	4064330000	4140160000	4044550000	4641790000	4219720000	6
Endosulfan sulfate	3909960000	3792530000	3865770000	3781510000	4242700000	3918500000	5
Endrin	4304200000	4131030000	4163360000	3917830000	4201430000	4143570000	3
Endrin aldehyde	2808090000	2745580000	2790240000	2785520000	3206350000	2867160000	7
Endrin ketone	4165230000	4039380000	4100930000	4005880000	4411220000	4144530000	4
gamma-BHC (Lindane)	6124020000	5822650000	5736200000	5394590000	5556740000	5726840000	5
gamma-Chlordane	5032010000	4878750000	4857490000	4658710000	5027960000	4890980000	3
Heptachlor	5823490000	5610320000	5567440000	5314250000	5730360000	5609170000	3
Heptachlor epoxide	4903870000	4710630000	4793240000	4635070000	5491190000	4906800000	7
Methoxychlor	1937810000	1915290000	1982900000	1982920000	2209170000	2005620000	6
Tetrachloro-m-xylene	2917140000	2829280000	2874020000	2840660000	3213090000	2934840000	5



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ALLI03
SDG NO.: Q3015

Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 11:25 12:20

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

LAB FILE ID:		CF 100 =	<u>PD089964.D</u>	CF 075 =	<u>PD089965.D</u>		
CF 050 =		<u>PD089966.D</u>	CF 025 =	<u>PD089967.D</u>	CF 005 =	<u>PD089968.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	22516800000	22539900000	23346000000	24042100000	27773700000	24043700000	9
4,4'-DDE	27113000000	27019200000	27887400000	28678000000	33416200000	28822800000	9
4,4'-DDT	23990000000	24023200000	24827600000	25108600000	27399200000	25069700000	6
Aldrin	28837000000	28725400000	29547400000	30298100000	34870500000	30455700000	8
alpha-BHC	32680000000	32178400000	33006800000	33320200000	38508700000	33938800000	8
alpha-Chlordane	26752600000	26620200000	27532400000	28392200000	33393000000	28538100000	10
beta-BHC	12414000000	12365000000	12842100000	13315800000	15714100000	13330200000	10
Decachlorobiphenyl	23779200000	23963600000	24979900000	25602900000	31103700000	25885900000	12
delta-BHC	30159900000	29900600000	30631600000	31120600000	35936300000	31549800000	8
Dieldrin	27315200000	27373800000	28374700000	29249600000	34122500000	29287200000	10
Endosulfan I	24263100000	24395900000	25356800000	26391300000	30701900000	26221800000	10
Endosulfan II	23285800000	23417600000	24436800000	25378900000	29954000000	25294600000	11
Endosulfan sulfate	22430300000	22611400000	23494500000	24469500000	28892000000	24379500000	11
Endrin	24304500000	24536800000	25710300000	26502700000	32106800000	26632200000	12
Endrin aldehyde	15818300000	15996400000	16540900000	17378800000	20365300000	17219900000	11
Endrin ketone	24365300000	24756300000	25905100000	26991400000	31204600000	26644500000	10
gamma-BHC (Lindane)	30012600000	29626300000	30389800000	30823600000	35001200000	31170700000	7
gamma-Chlordane	27925200000	27737800000	28720300000	29587900000	34085100000	29611300000	9
Heptachlor	29303500000	29221000000	30284200000	31044900000	36104500000	31191600000	9
Heptachlor epoxide	25599400000	25694300000	26706500000	27640400000	32833500000	27694800000	11
Methoxychlor	11658500000	11925200000	12638700000	13125700000	15130800000	12895800000	11
Tetrachloro-m-xylene	20746800000	20549600000	21227800000	21856800000	25871800000	22050500000	10

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089964.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:25
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	291.7E6	2074.7E6	101.500	97.734
28)	SA Decachlor...	9.066	8.066	398.6E6	2377.9E6	96.106	95.193
Target Compounds							
2)	A alpha-BHC	3.997	3.390	656.5E6	3268.0E6	108.030	99.010
3)	MA gamma-BHC...	4.328	3.726	612.4E6	3001.3E6	106.761	98.759
4)	MA Heptachlor	4.926	4.078	582.3E6	2930.4E6	104.599	96.762
5)	MB Aldrin	5.268	4.364	566.8E6	2883.7E6	104.766	97.596
6)	B beta-BHC	4.514	4.021	219.0E6	1241.4E6	100.200	96.667
7)	B delta-BHC	4.762	4.258	559.4E6	3016.0E6	106.734	98.460
8)	B Heptachlo...	5.687	4.867	490.4E6	2559.9E6	102.308	95.855
9)	A Endosulfan I	6.071	5.242	465.8E6	2426.3E6	102.090	95.687
10)	B gamma-Chl...	5.943	5.119	503.2E6	2792.5E6	103.593	97.232m
11)	B alpha-Chl...	6.023	5.185	500.1E6	2675.3E6	102.638	97.168
12)	B 4,4'-DDE	6.192	5.369	462.7E6	2711.3E6	105.059	97.223
13)	MA Dieldrin	6.343	5.507	510.2E6	2731.5E6	104.268	96.266
14)	MA Endrin	6.571	5.784	430.4E6	2430.4E6	103.383	94.532
15)	B Endosulfa...	6.783	6.075	420.8E6	2328.6E6	101.634	95.290
16)	A 4,4'-DDD	6.702	5.924	362.4E6	2251.7E6	104.814	96.449
17)	MA 4,4'-DDT	7.017	6.177	397.6E6	2399.0E6	103.730	96.626
18)	B Endrin al...	6.912	6.253	280.8E6	1581.8E6	100.640	95.631
19)	B Endosulfa...	7.146	6.476	391.0E6	2243.0E6	101.143	95.471
20)	A Methoxychlor	7.490	6.748	193.8E6	1165.8E6	97.726	92.244
21)	B Endrin ke...	7.627	6.985	416.5E6	2436.5E6	101.568	94.056
22)	Mirex	8.110	7.179	291.1E6	1863.0E6	96.098	95.047

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089964.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:25
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

Manual Integrations

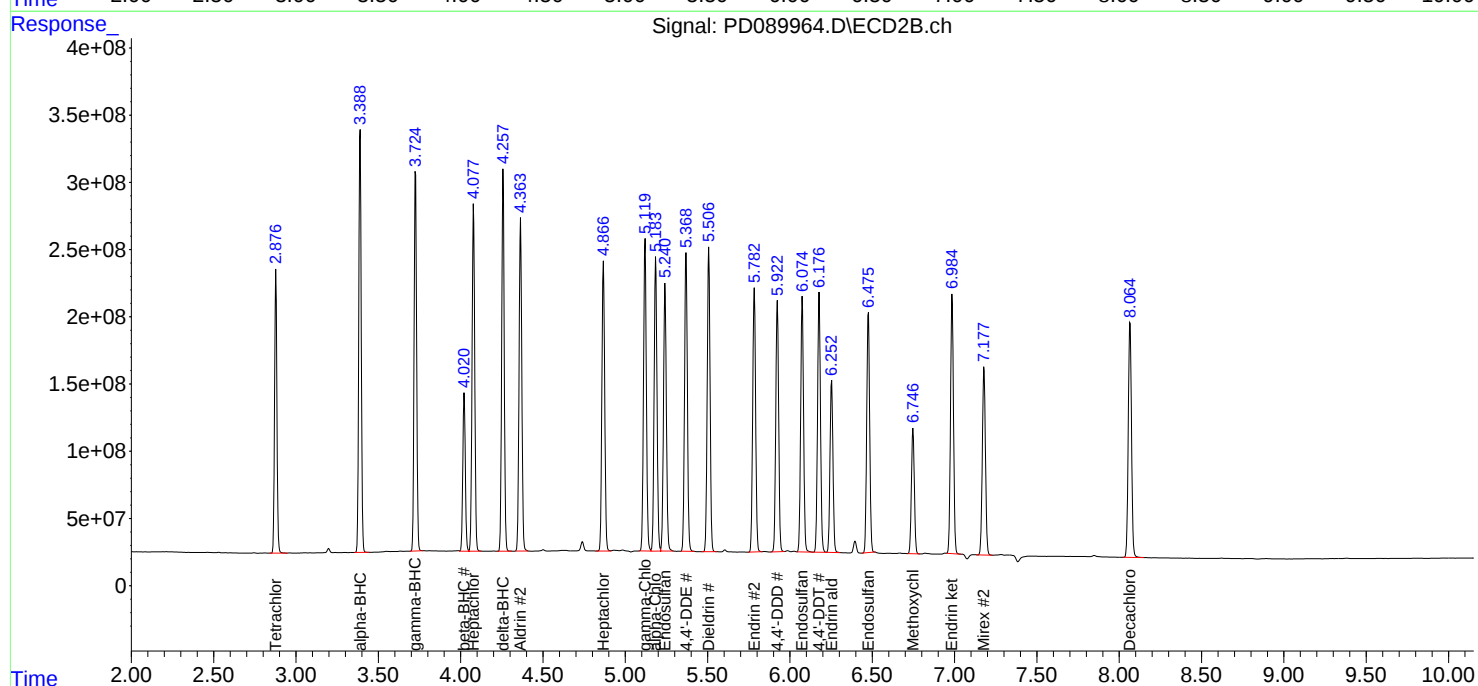
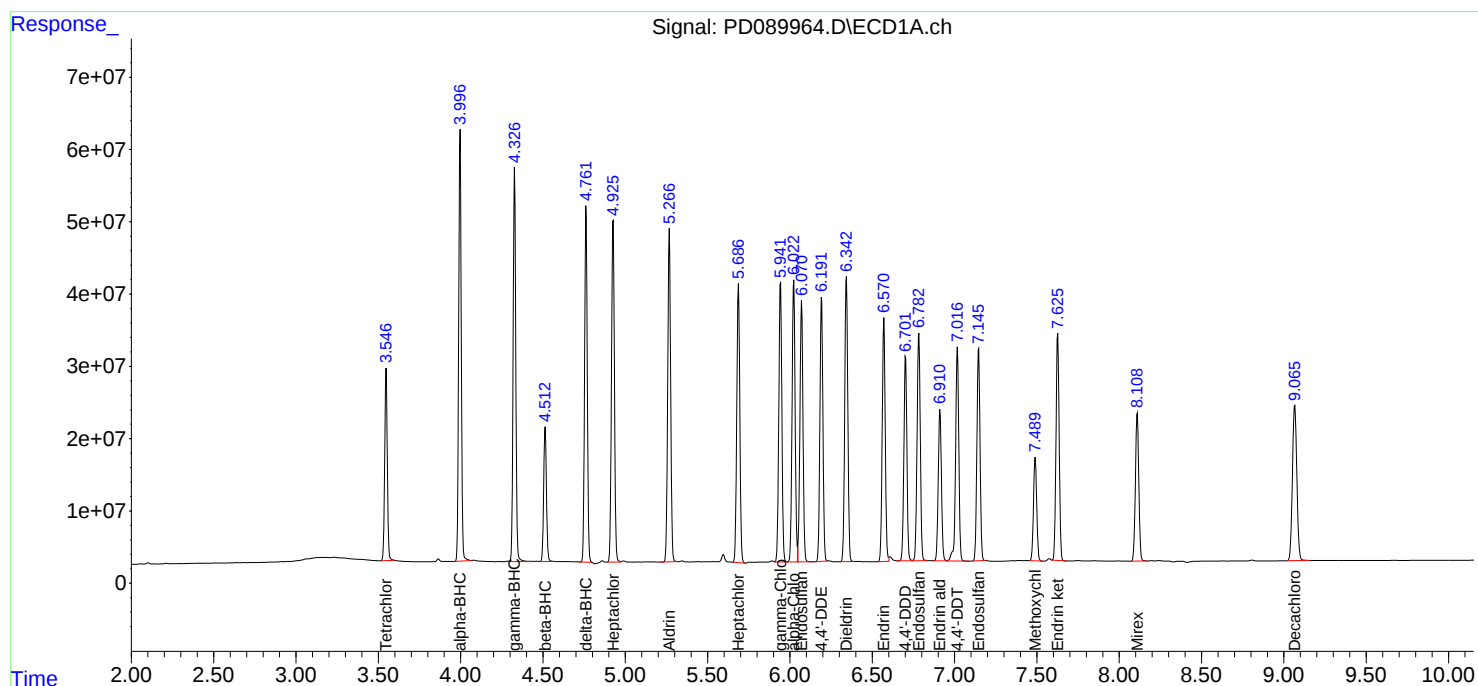
APPROVED

Reviewed By :Abdul Mirza 08/19/2025

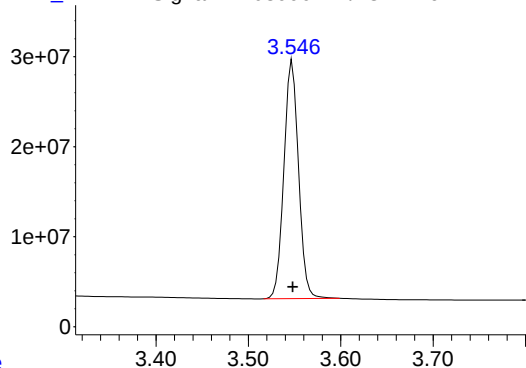
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD089964.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 291714028
Conc: 101.50 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

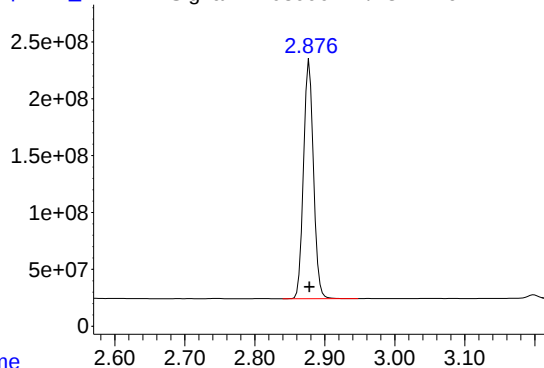
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

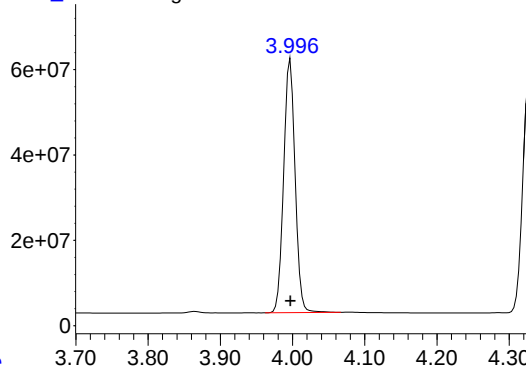
Time Response_ Signal: PD089964.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 2074675956
Conc: 97.73 ng/ml

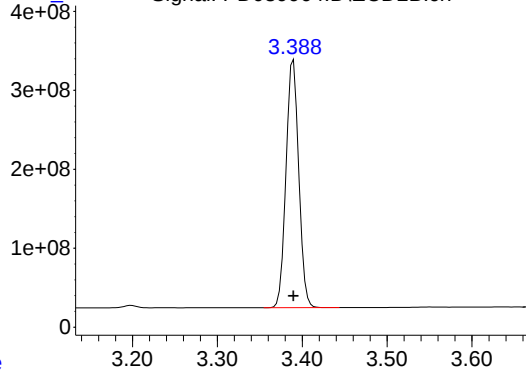
Time Response_ Signal: PD089964.D\ECD1A.ch



#2 alpha-BHC

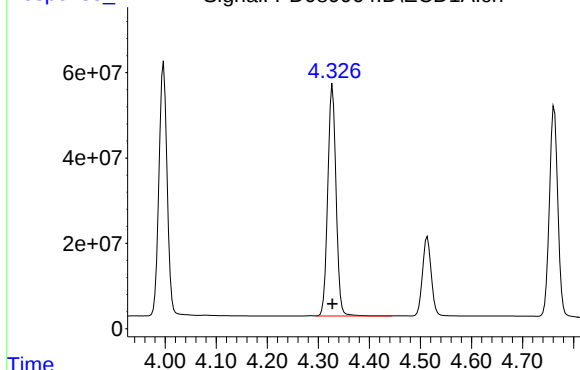
R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 656457003
Conc: 108.03 ng/ml

Time Response_ Signal: PD089964.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 3268003633
Conc: 99.01 ng/ml

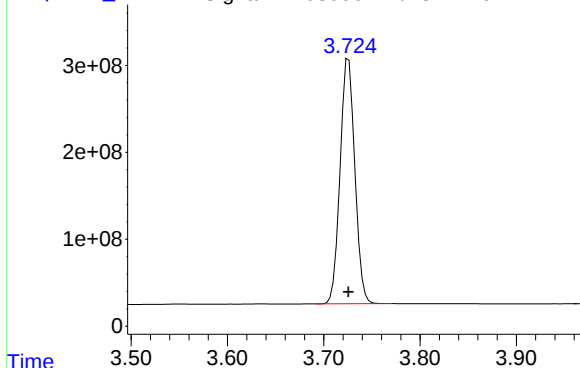


R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 612402418
Conc: 106.76 ng/ml

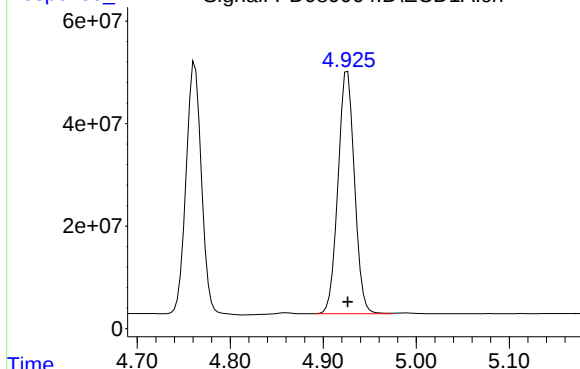
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Manual Integrations
APPROVED

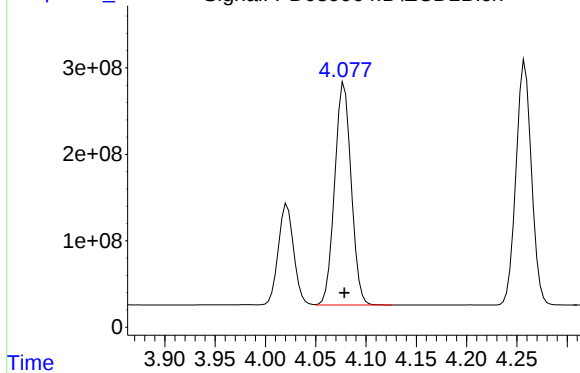
Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 3001261267
Conc: 98.76 ng/ml

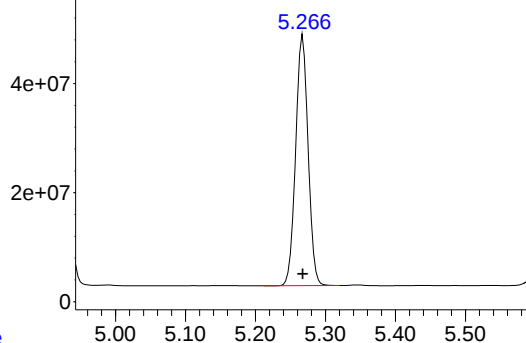


R.T.: 4.926 min
Delta R.T.: 0.000 min
Response: 582349015
Conc: 104.60 ng/ml



R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 2930354241
Conc: 96.76 ng/ml

Response_ Signal: PD089964.D\ECD1A.ch



#5 Aldrin

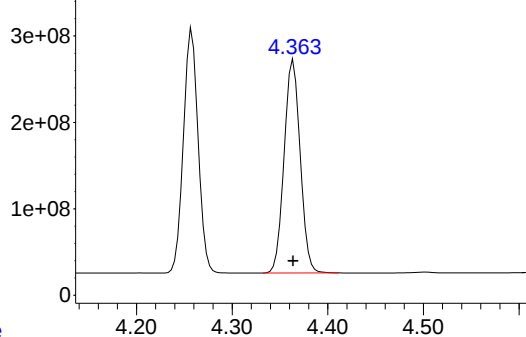
R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 566826154
Conc: 104.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

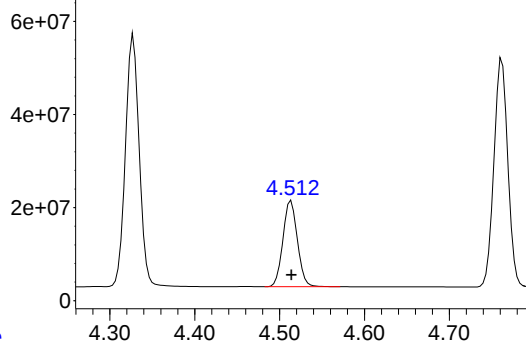
Time Response_ Signal: PD089964.D\ECD2B.ch



#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 2883702153
Conc: 97.60 ng/ml

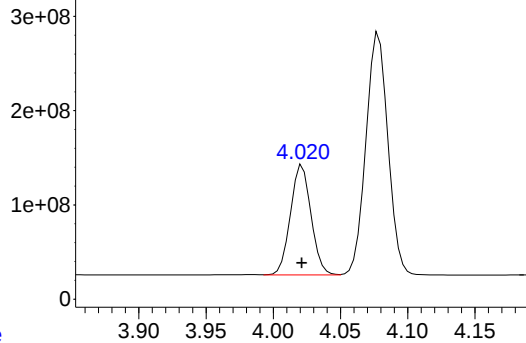
Time Response_ Signal: PD089964.D\ECD1A.ch



#6 beta-BHC

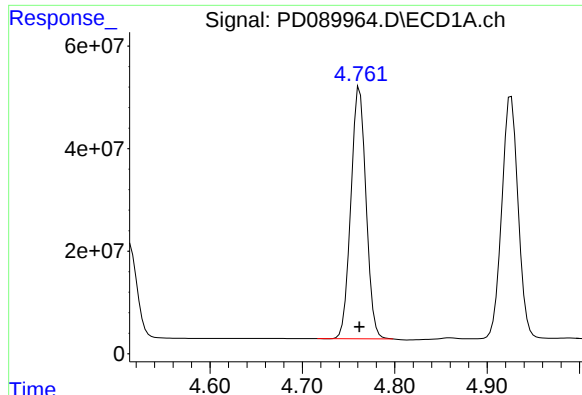
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 219036506
Conc: 100.20 ng/ml

Time Response_ Signal: PD089964.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 1241399566
Conc: 96.67 ng/ml



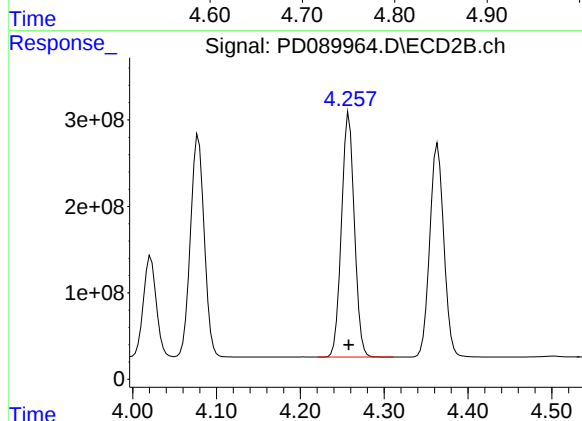
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 559422614
Conc: 106.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

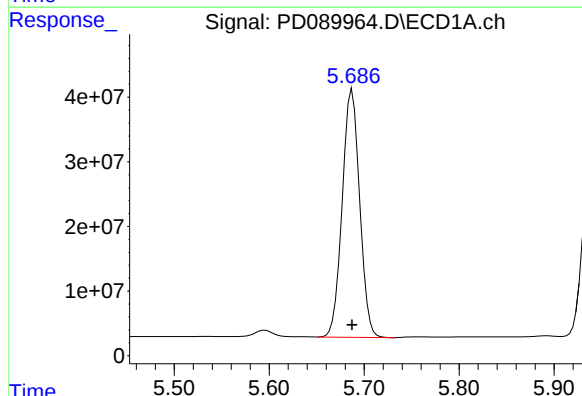
Manual Integrations
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Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



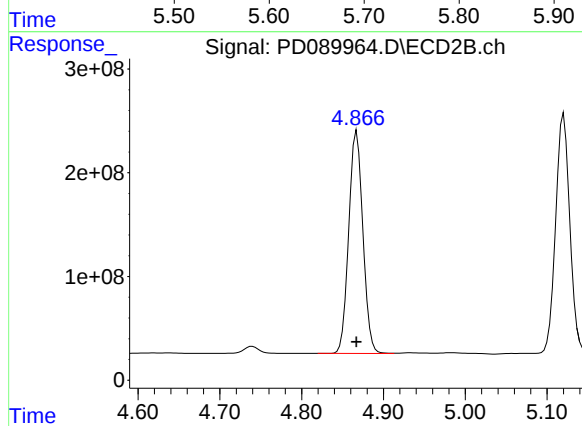
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 3015992348
Conc: 98.46 ng/ml



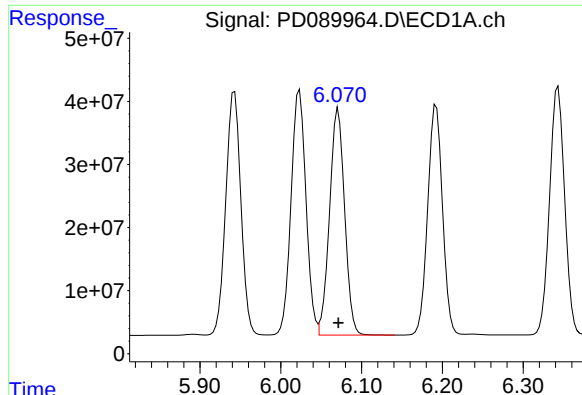
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 490386625
Conc: 102.31 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 2559943232
Conc: 95.85 ng/ml



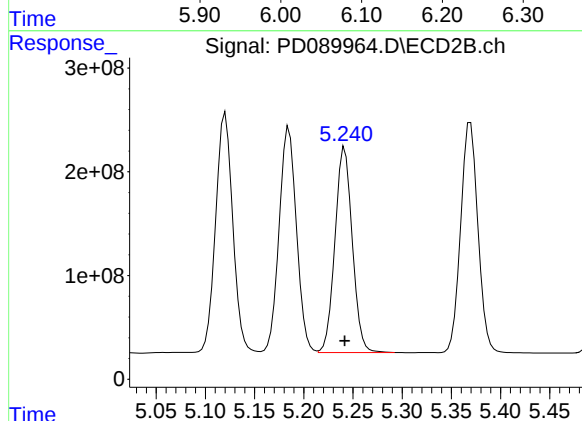
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 465842630
Conc: 102.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

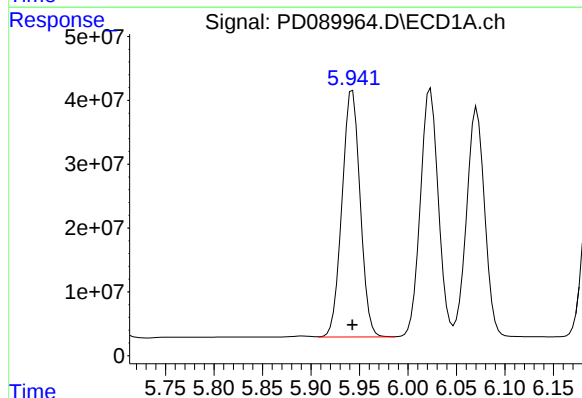
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



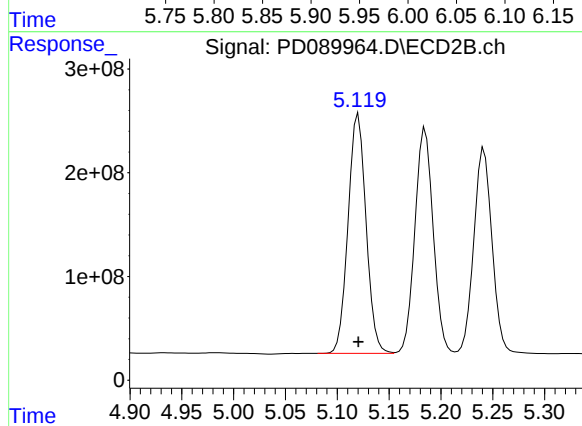
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 2426307254
Conc: 95.69 ng/ml



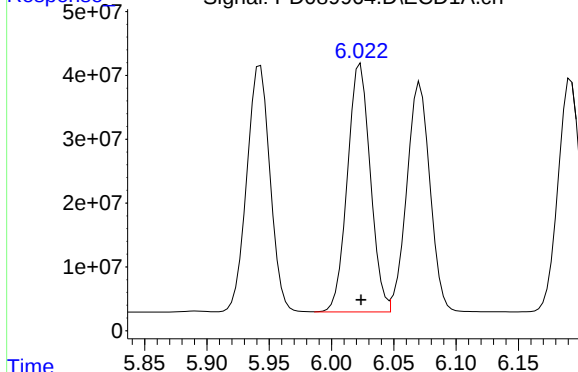
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 503201159
Conc: 103.59 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.001 min
Response: 2792520852
Conc: 97.23 ng/ml m



R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 500103115
Conc: 102.64 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/19/2025

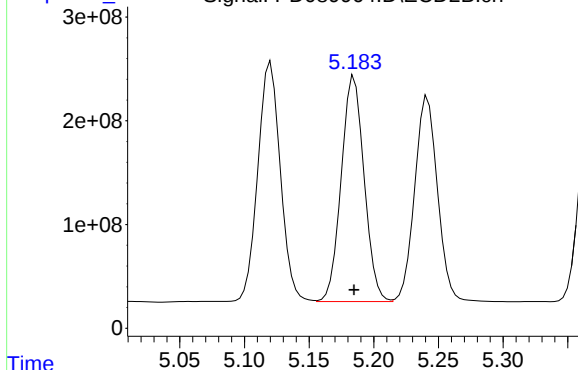
Supervised By :mohammad ahmed 08/20/2025

Time

Response

Signal: PD089964.D\ECD2B.ch

#11 alpha-Chlordane



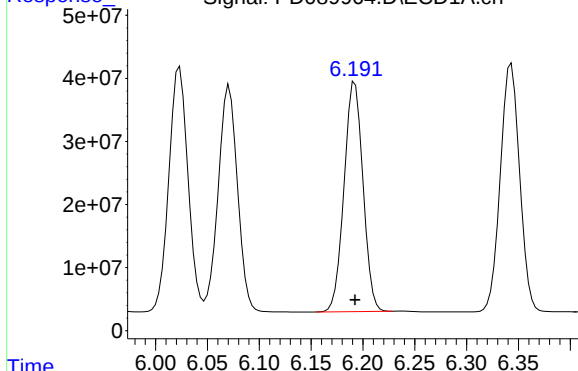
R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 2675262284
Conc: 97.17 ng/ml

Time

Response

Signal: PD089964.D\ECD1A.ch

#12 4,4'-DDE



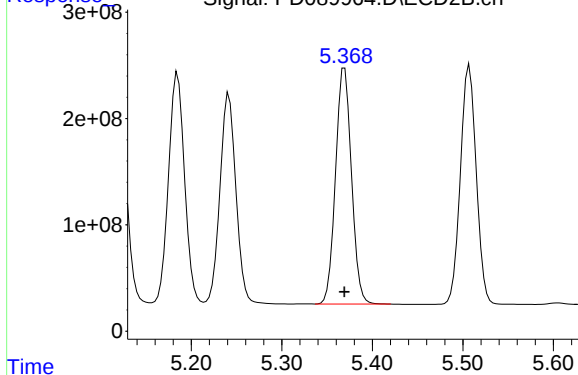
R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 462695898
Conc: 105.06 ng/ml

Time

Response

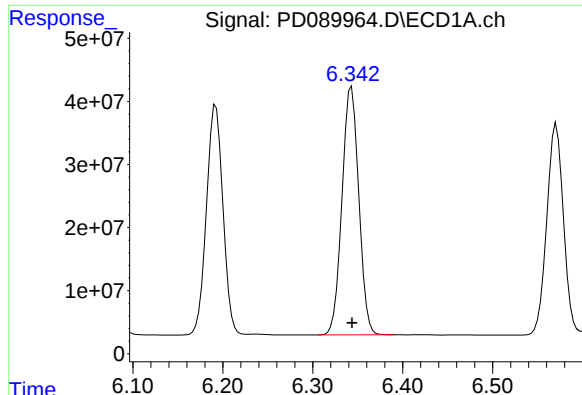
Signal: PD089964.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 2711300640
Conc: 97.22 ng/ml

Time



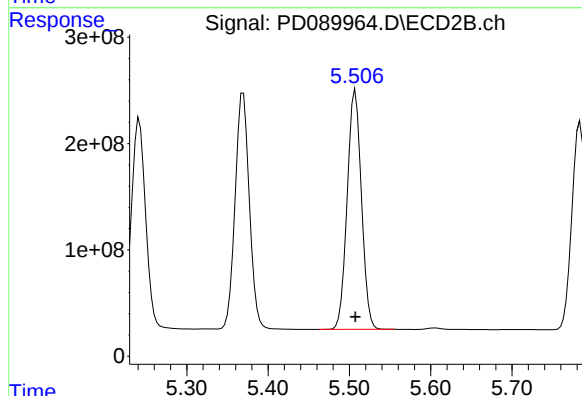
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 510155574
Conc: 104.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

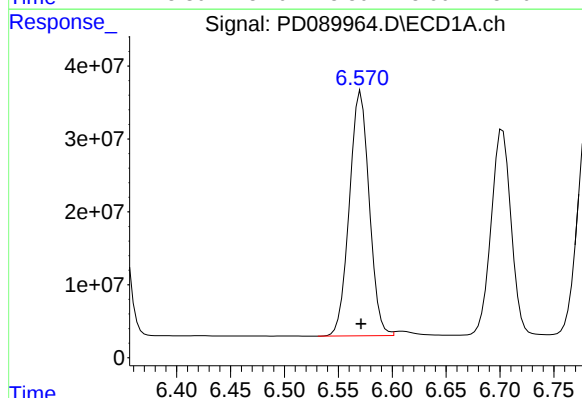
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



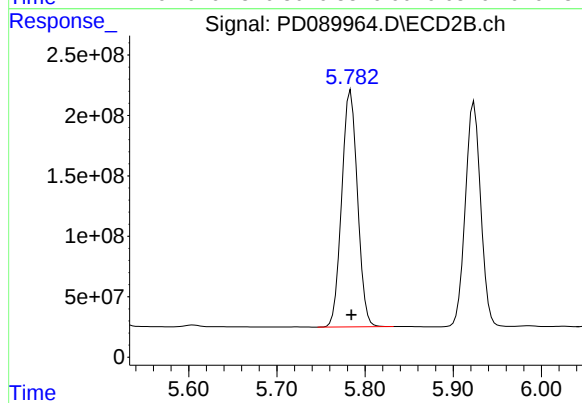
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 2731517885
Conc: 96.27 ng/ml



#14 Endrin

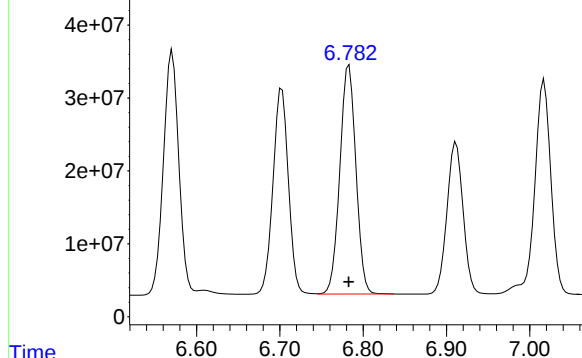
R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 430420331
Conc: 103.38 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 2430445687
Conc: 94.53 ng/ml

Response_ Signal: PD089964.D\ECD1A.ch



#15 Endosulfan II

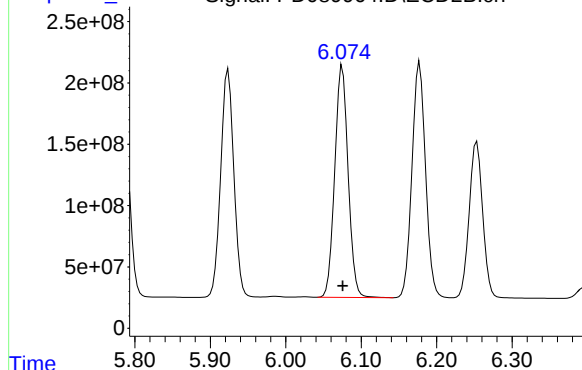
R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 420779249
Conc: 101.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Manual Integrations
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Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

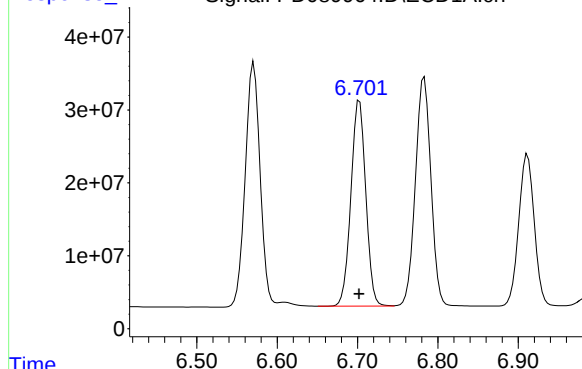
Time Response_ Signal: PD089964.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 2328581564
Conc: 95.29 ng/ml

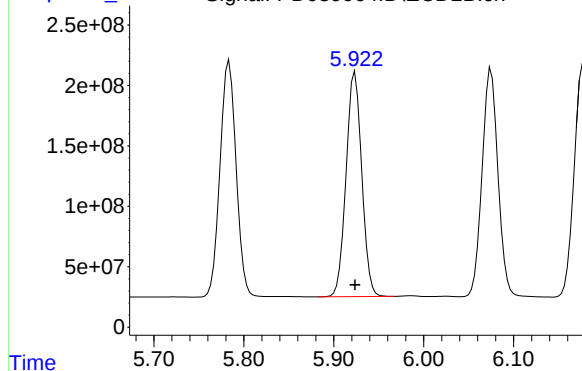
Time Response_ Signal: PD089964.D\ECD1A.ch



#16 4,4'-DDD

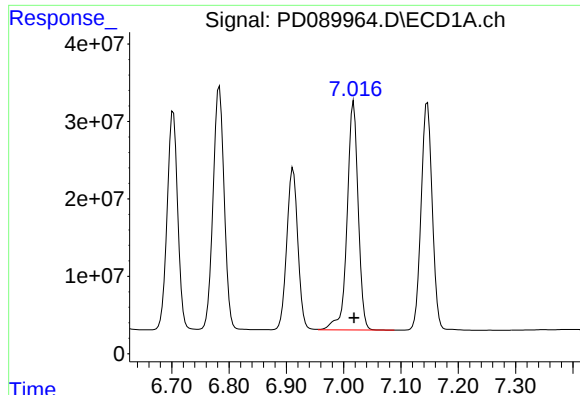
R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 362411627
Conc: 104.81 ng/ml

Time Response_ Signal: PD089964.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 2251684246
Conc: 96.45 ng/ml



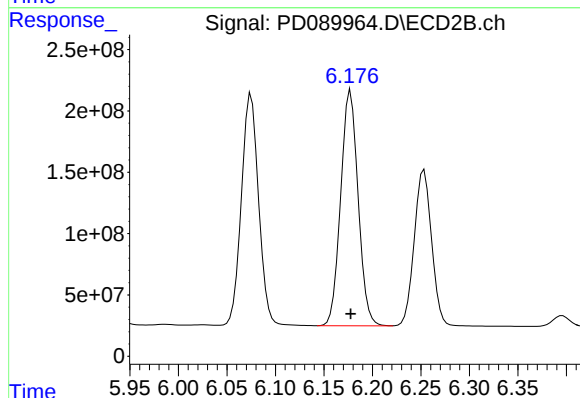
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 397556677
Conc: 103.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

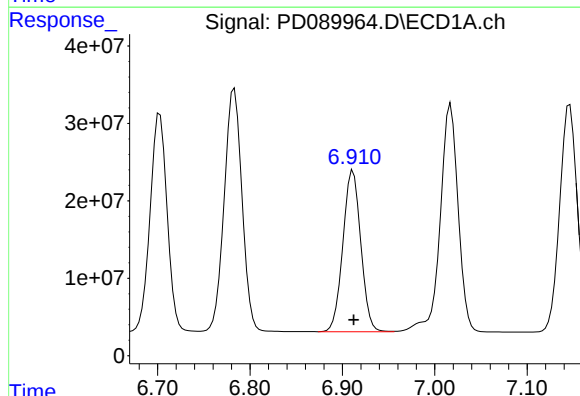
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



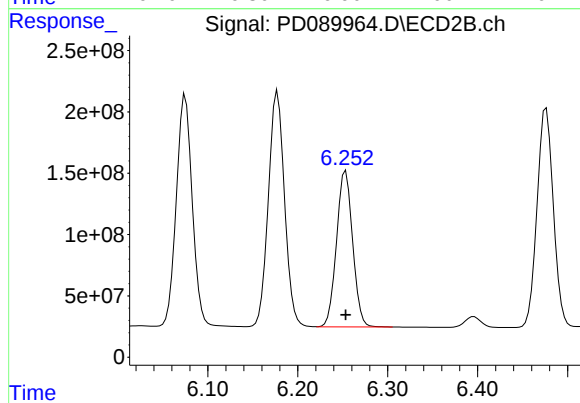
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 2399001964
Conc: 96.63 ng/ml



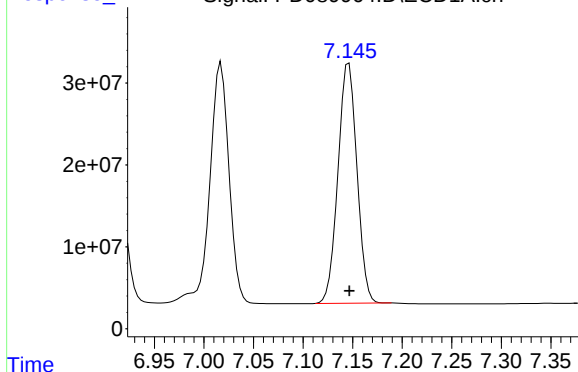
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 280809402
Conc: 100.64 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 1581829947
Conc: 95.63 ng/ml



R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 390996451
Conc: 101.14 ng/ml

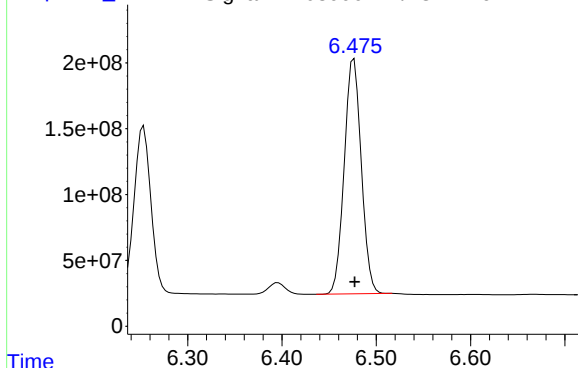
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Time Response_ Signal: PD089964.D\ECD2B.ch

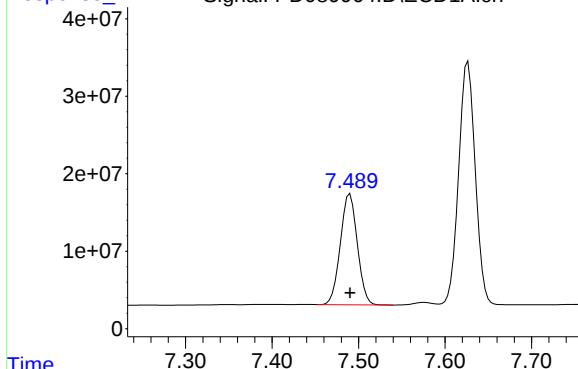
#19 Endosulfan Sulfate



R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 2243034403
Conc: 95.47 ng/ml

Time Response_ Signal: PD089964.D\ECD1A.ch

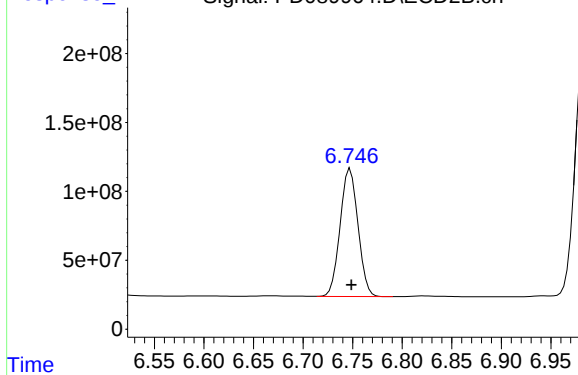
#20 Methoxychlor



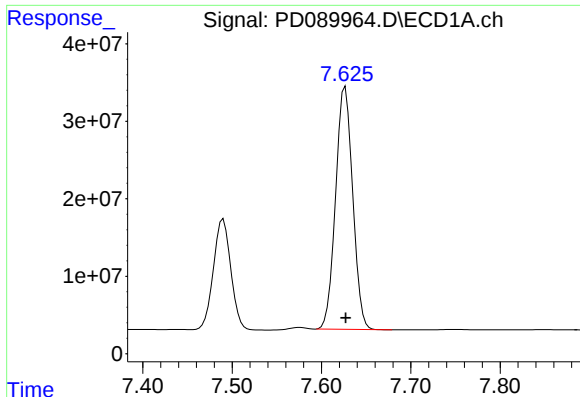
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 193780587
Conc: 97.73 ng/ml

Time Response_ Signal: PD089964.D\ECD2B.ch

#20 Methoxychlor



R.T.: 6.748 min
Delta R.T.: -0.001 min
Response: 1165848024
Conc: 92.24 ng/ml



#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 416523470
Conc: 101.57 ng/ml

Instrument :

ECD_D

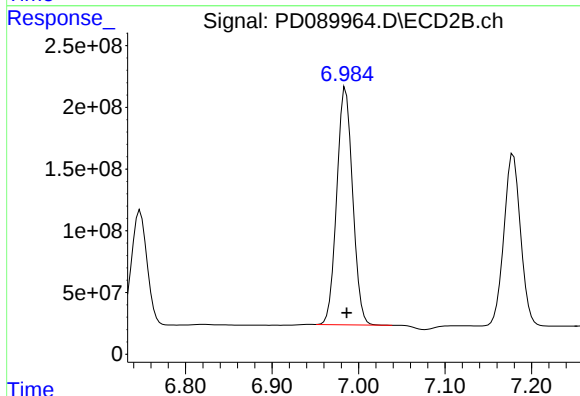
ClientSampleId :

PSTDICC100

Manual Integrations

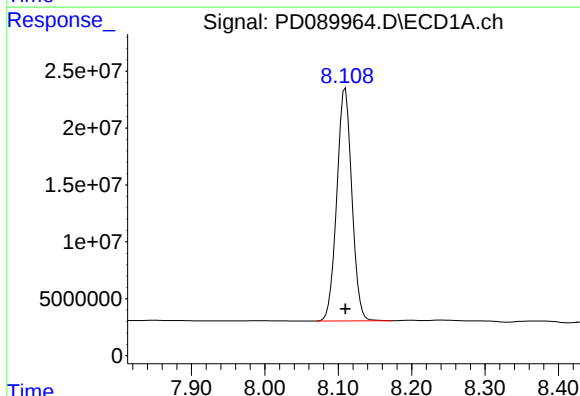
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



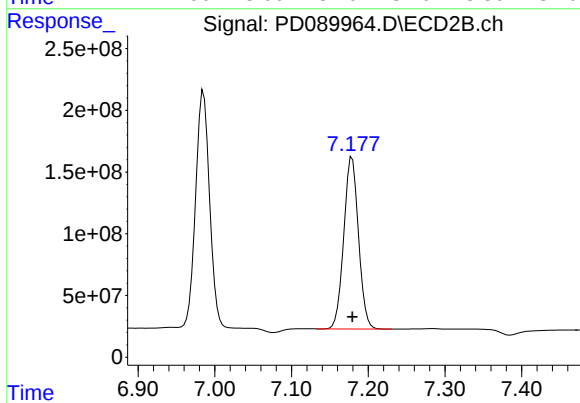
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.001 min
Response: 2436530942
Conc: 94.06 ng/ml



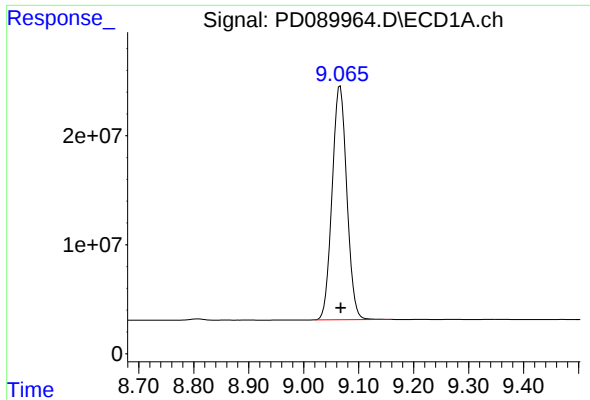
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 291133549
Conc: 96.10 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 1862984371
Conc: 95.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 398610980
Conc: 96.11 ng/ml

Instrument :

ECD_D

ClientSampleId :

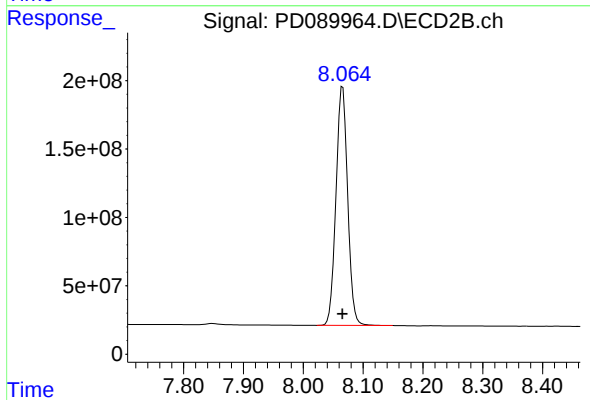
PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 2377921488
Conc: 95.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089965.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:39
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

Client SampleId :

PSTDICC075

Manual Integrations

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Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.877	212.2E6	1541.2E6	73.832	72.604
28) SA Decachlor...	9.069	8.066	297.7E6	1797.3E6	71.783	71.949
Target Compounds						
2) A alpha-BHC	3.998	3.390	466.7E6	2413.4E6	76.799	73.118
3) MA gamma-BHC...	4.329	3.726	436.7E6	2222.0E6	76.130	73.116
4) MA Heptachlor	4.928	4.079	420.8E6	2191.6E6	75.578	72.367
5) MB Aldrin	5.269	4.364	406.8E6	2154.4E6	75.196	72.914
6) B beta-BHC	4.515	4.022	160.2E6	927.4E6	73.287	72.214
7) B delta-BHC	4.764	4.258	394.4E6	2242.5E6	75.258	73.210
8) B Heptachlo...	5.688	4.868	353.3E6	1927.1E6	73.707	72.157
9) A Endosulfan I	6.072	5.242	339.1E6	1829.7E6	74.311	72.158
10) B gamma-Chl...	5.944	5.119	365.9E6	2080.3E6	75.328	72.434m
11) B alpha-Chl...	6.025	5.186	363.7E6	1996.5E6	74.653	72.515
12) B 4,4'-DDE	6.194	5.370	332.9E6	2026.4E6	75.583	72.665
13) MA Dieldrin	6.345	5.508	367.3E6	2053.0E6	75.063	72.355
14) MA Endrin	6.572	5.785	309.8E6	1840.3E6	74.418	71.577
15) B Endosulfa...	6.784	6.076	304.8E6	1756.3E6	73.626	71.872
16) A 4,4'-DDD	6.703	5.924	259.7E6	1690.5E6	75.100	72.410
17) MA 4,4'-DDT	7.019	6.178	286.3E6	1801.7E6	74.691	72.570
18) B Endrin al...	6.914	6.254	205.9E6	1199.7E6	73.799	72.531
19) B Endosulfa...	7.147	6.477	284.4E6	1695.9E6	73.579	72.181
20) A Methoxychlor	7.491	6.748	143.6E6	894.4E6	72.443	70.766
21) B Endrin ke...	7.628	6.986	303.0E6	1856.7E6	73.874	71.674
22) Mirex	8.111	7.180	216.8E6	1413.2E6	71.574	72.101

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089965.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:39
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC075

Manual Integrations

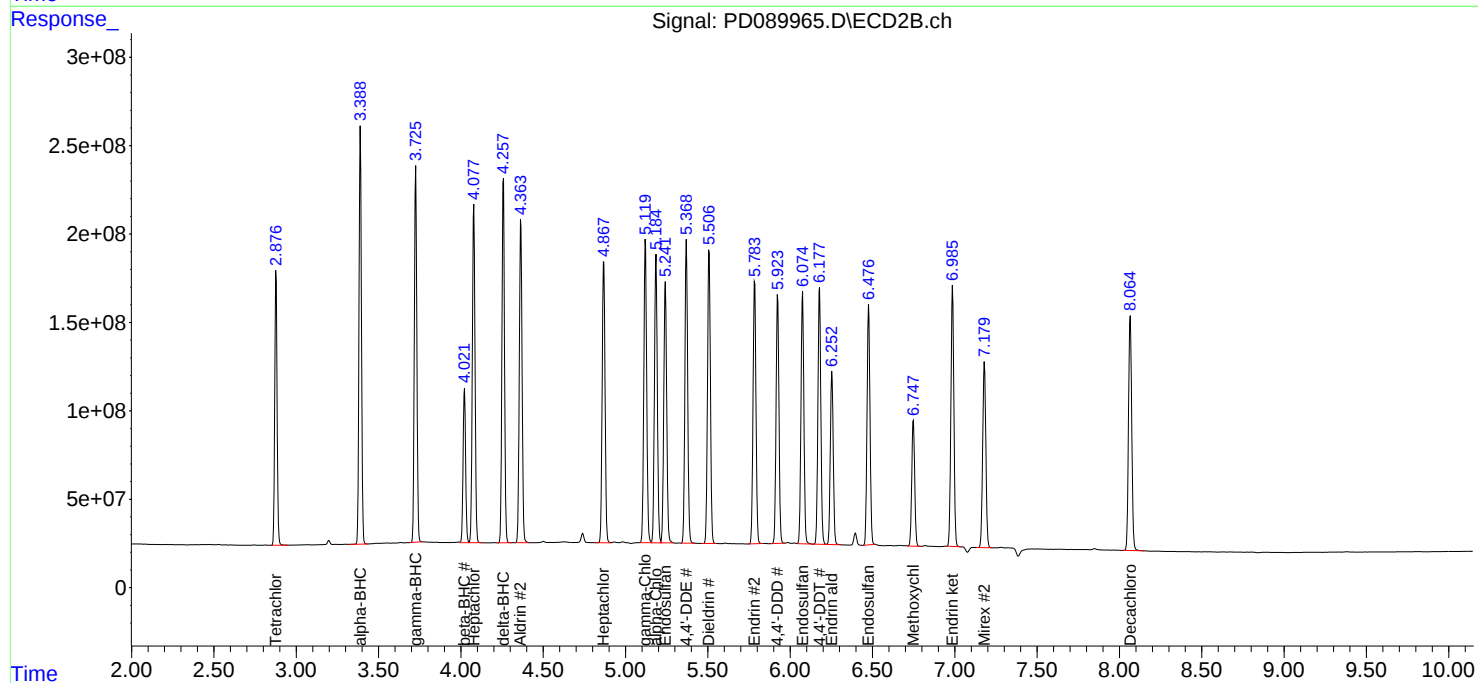
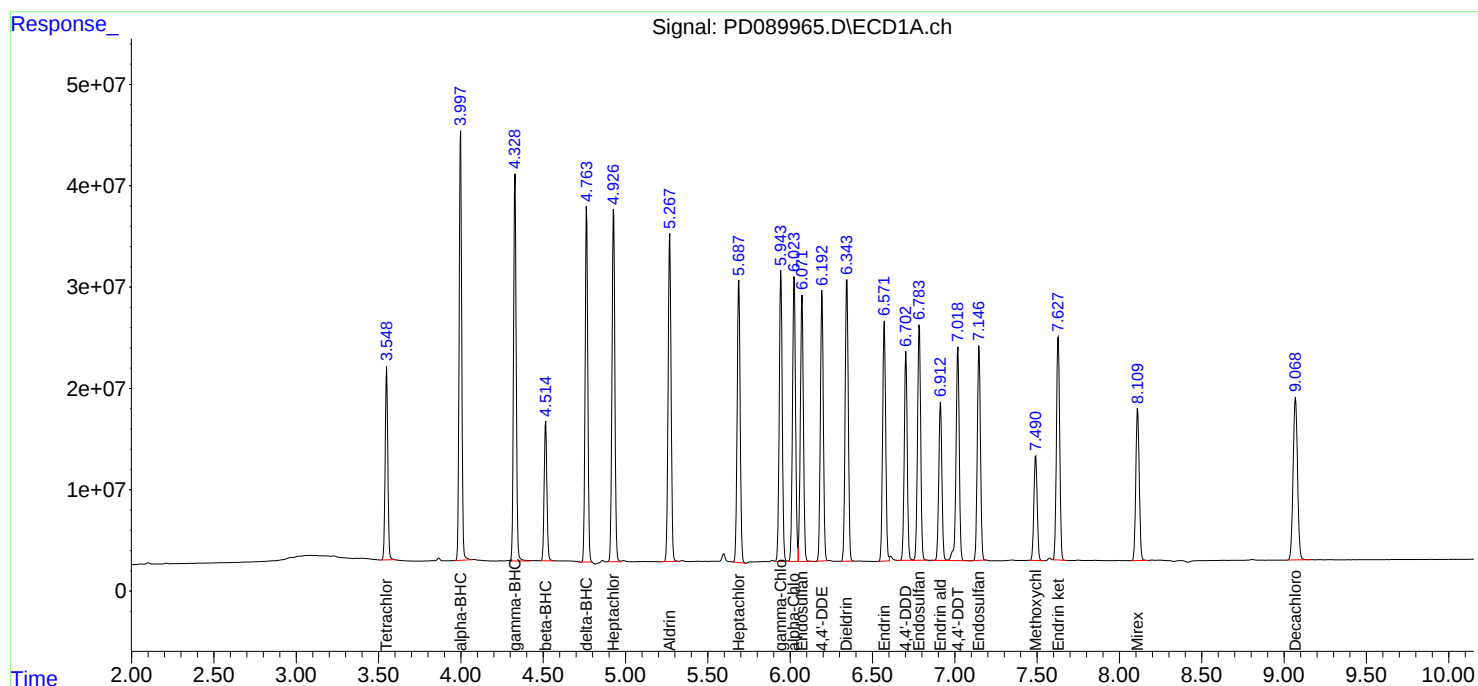
APPROVED

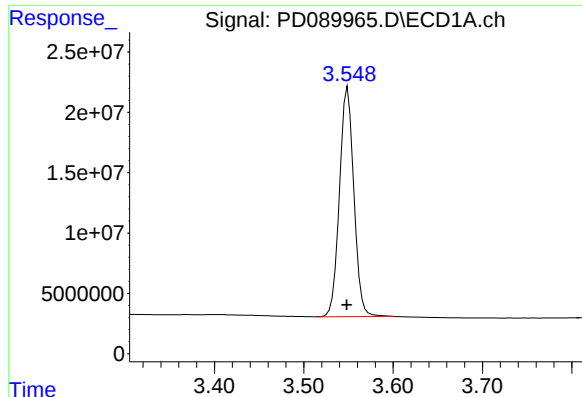
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.001 min
Response: 212195690
Conc: 73.83 ng/ml

Instrument :

ECD_D

ClientSampleId :

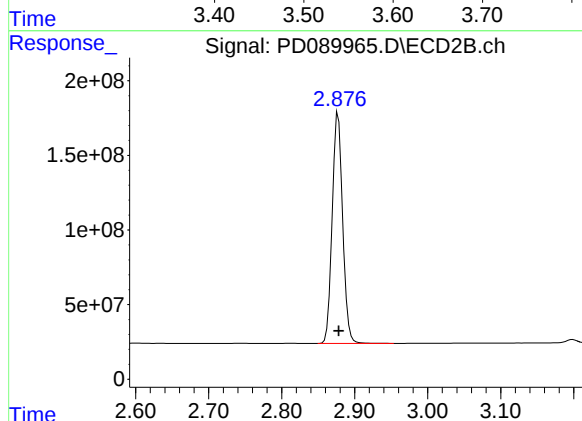
PSTDICC075

Manual Integrations

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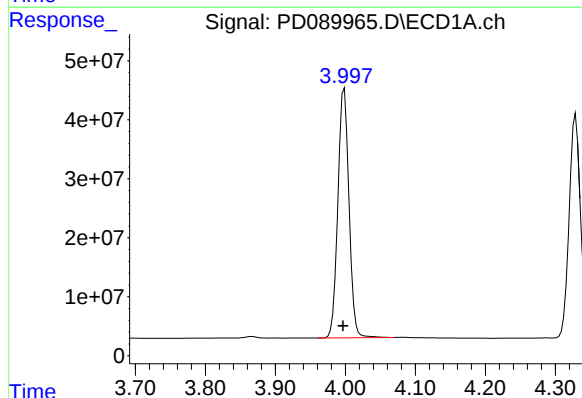
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025



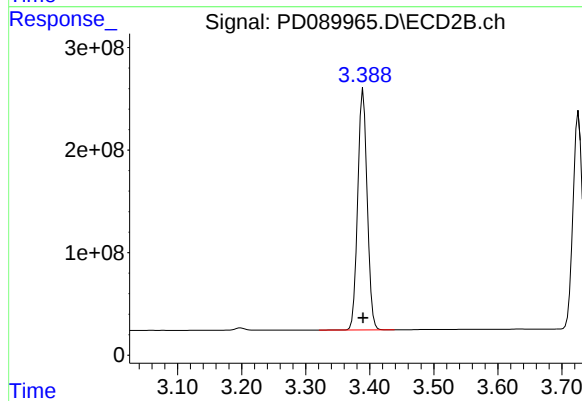
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 1541216977
Conc: 72.60 ng/ml



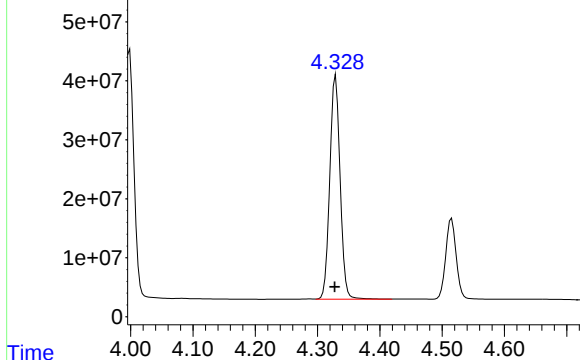
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 466675807
Conc: 76.80 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 2413382398
Conc: 73.12 ng/ml

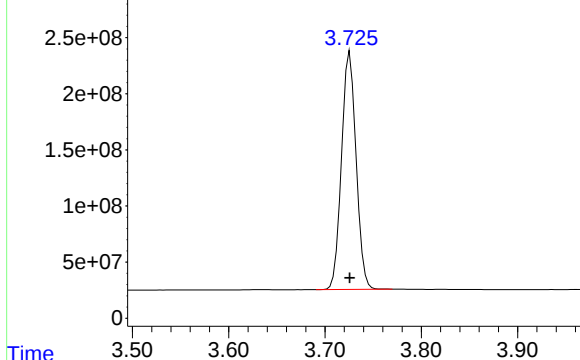


R.T.: 4.329 min
Delta R.T.: 0.001 min
Response: 436698955
Conc: 76.13 ng/ml

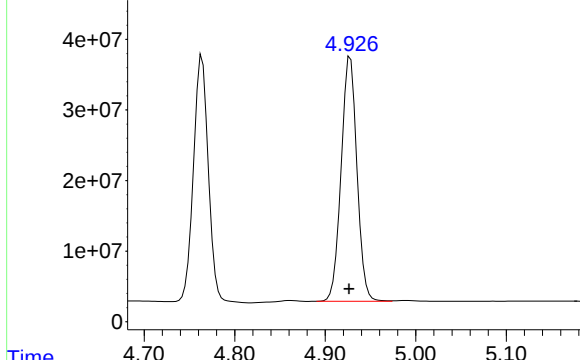
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

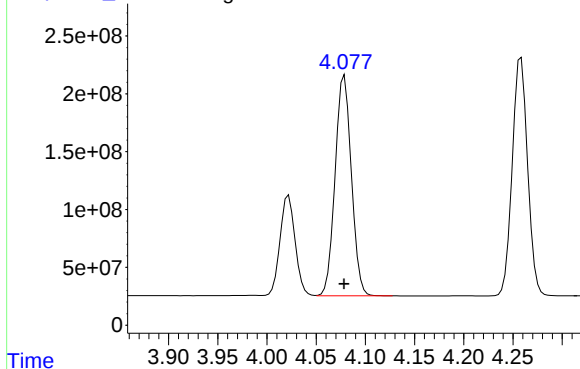
Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 2221975086
Conc: 73.12 ng/ml



R.T.: 4.928 min
Delta R.T.: 0.001 min
Response: 420774165
Conc: 75.58 ng/ml



R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 2191577497
Conc: 72.37 ng/ml

Response_ Signal: PD089965.D\ECD1A.ch

#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.001 min
Response: 406842449
Conc: 75.20 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC075

Manual Integrations
APPROVED

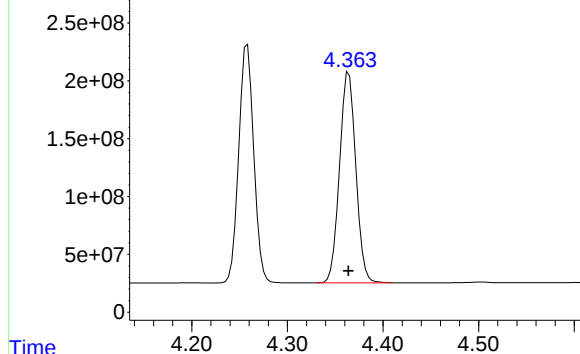
Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Time

Response_ Signal: PD089965.D\ECD2B.ch

#5 Aldrin

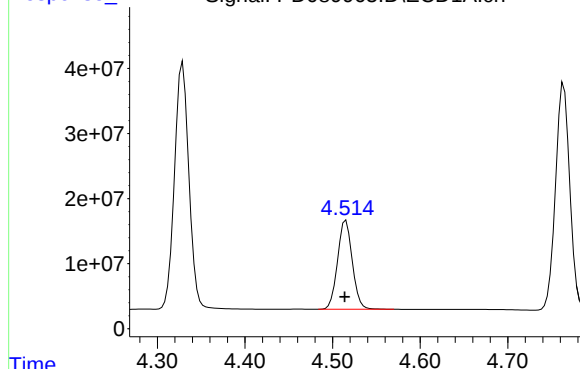
R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 2154407075
Conc: 72.91 ng/ml



Response_ Signal: PD089965.D\ECD1A.ch

#6 beta-BHC

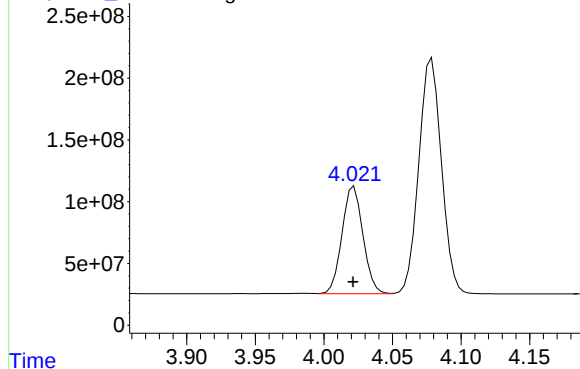
R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 160206293
Conc: 73.29 ng/ml

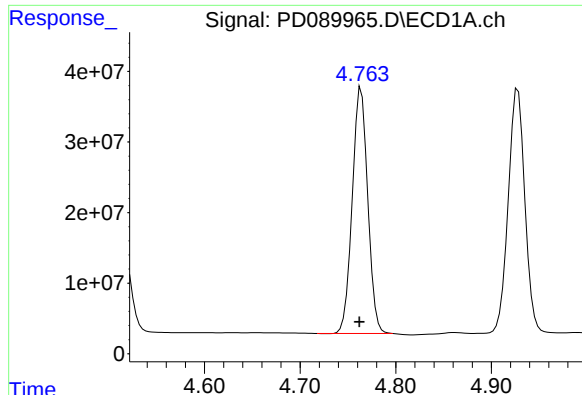


Response_ Signal: PD089965.D\ECD2B.ch

#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 927373673
Conc: 72.21 ng/ml





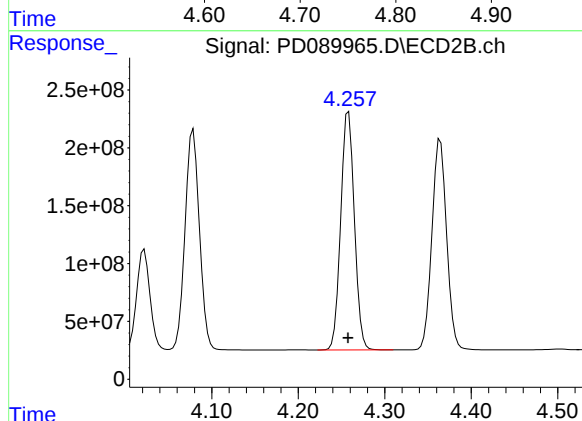
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 394448842
Conc: 75.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

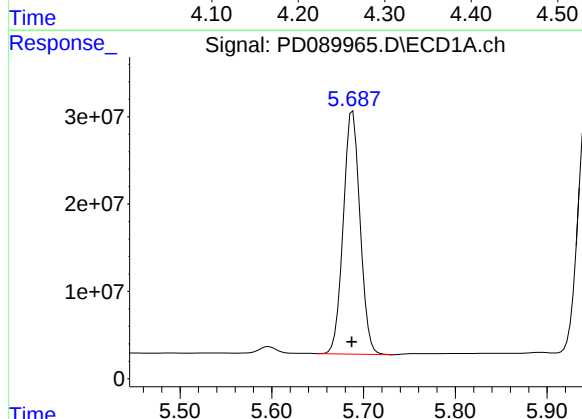
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



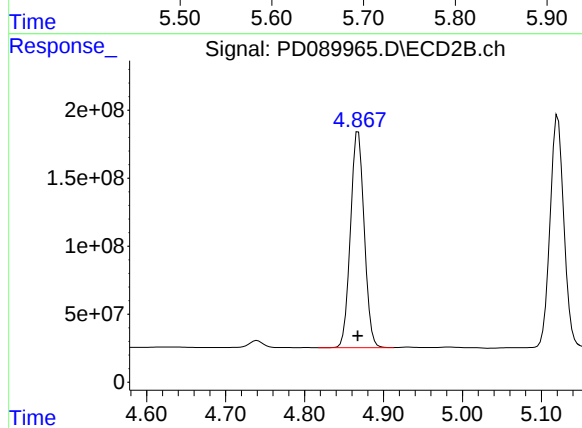
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 2242544502
Conc: 73.21 ng/ml



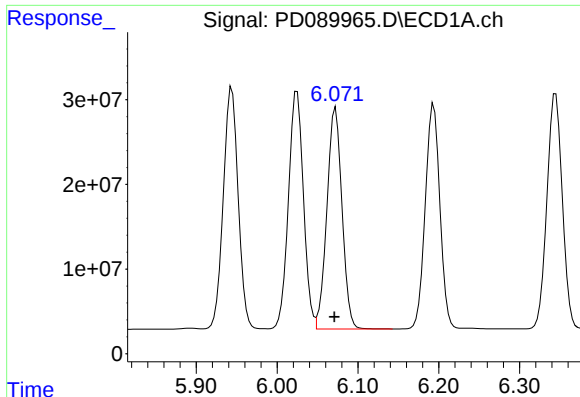
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 353297385
Conc: 73.71 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1927069723
Conc: 72.16 ng/ml



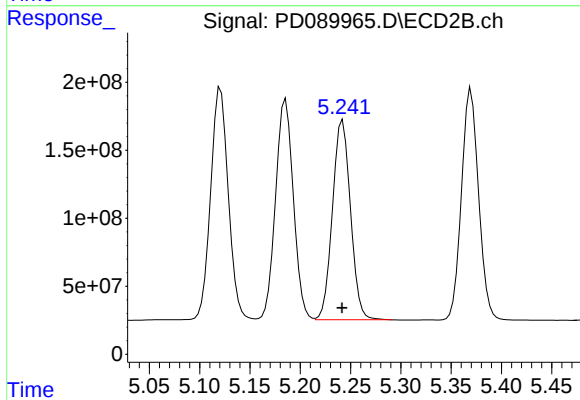
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.001 min
Response: 339085655
Conc: 74.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

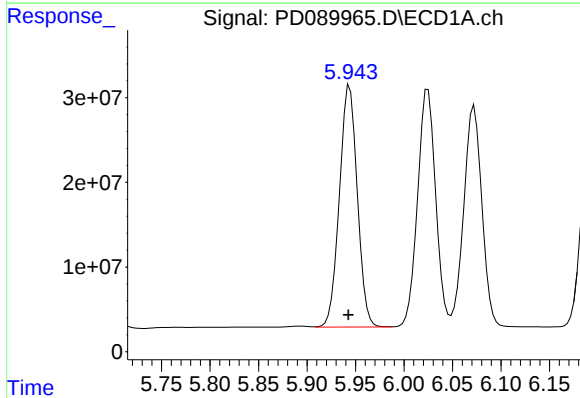
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



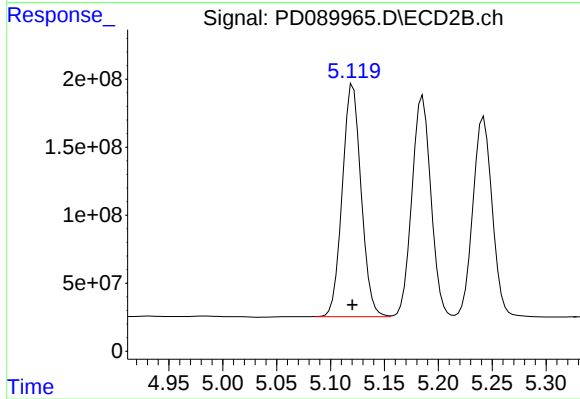
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1829693305
Conc: 72.16 ng/ml



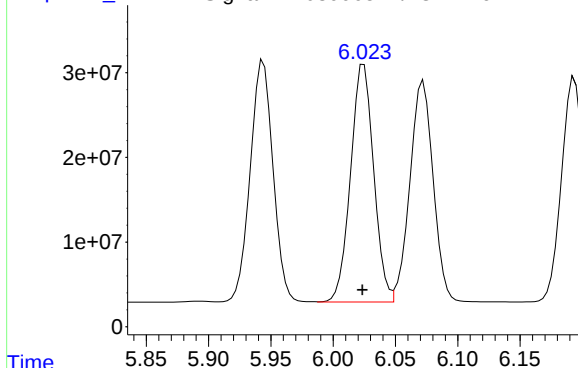
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.001 min
Response: 365906409
Conc: 75.33 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 2080335080
Conc: 72.43 ng/ml m



R.T.: 6.025 min
Delta R.T.: 0.001 min
Response: 363744249
Conc: 74.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Manual Integrations
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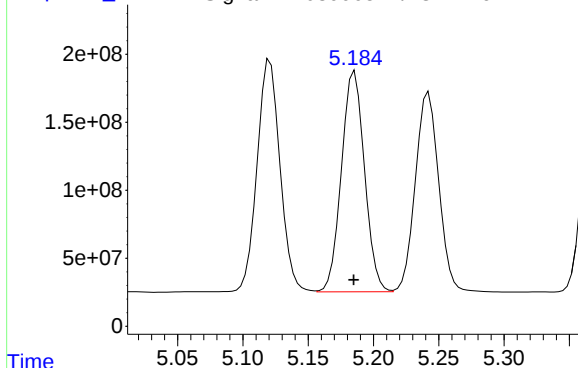
Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Time

Response_

Signal: PD089965.D\ECD2B.ch

#11 alpha-Chlordane



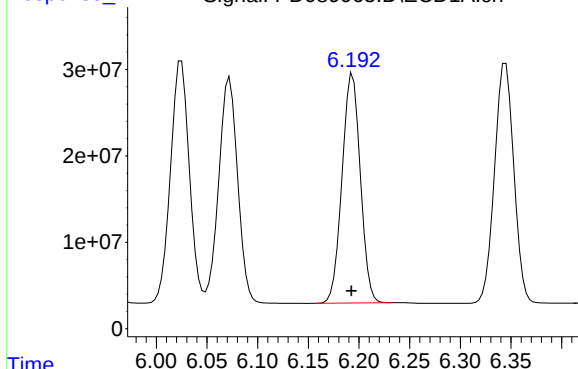
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1996516953
Conc: 72.52 ng/ml

Time

Response_

Signal: PD089965.D\ECD1A.ch

#12 4,4'-DDE



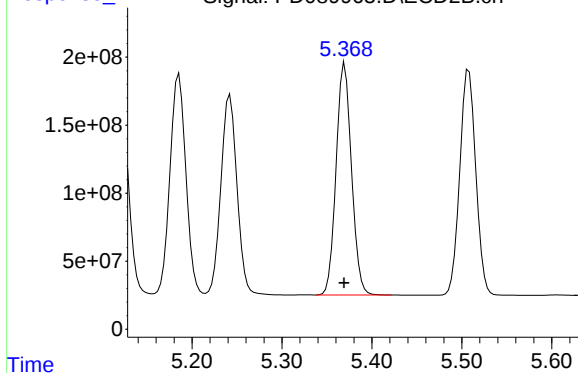
R.T.: 6.194 min
Delta R.T.: 0.001 min
Response: 332878939
Conc: 75.58 ng/ml

Time

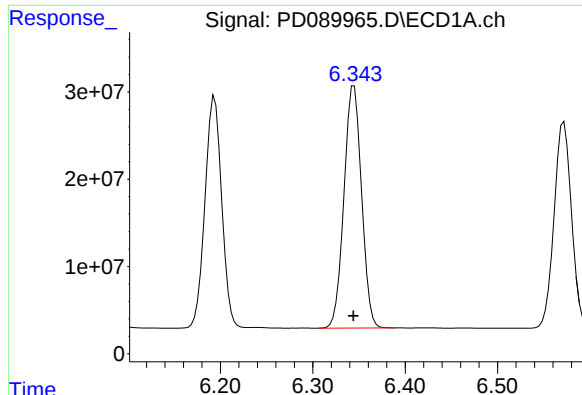
Response_

Signal: PD089965.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 2026441575
Conc: 72.67 ng/ml



#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 367261104
Conc: 75.06 ng/ml

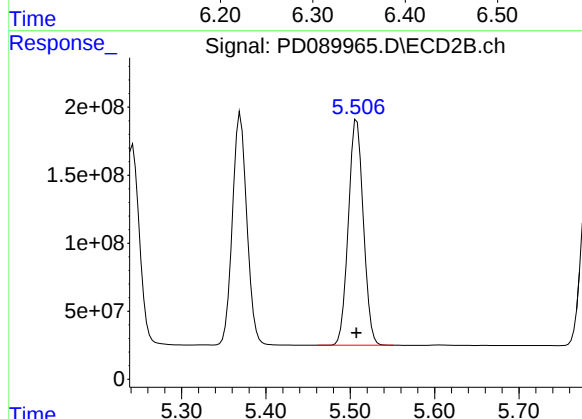
Instrument :

ECD_D

ClientSampleId :
PSTDICC075

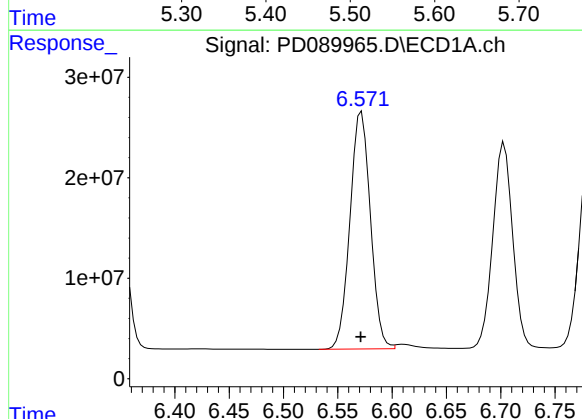
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



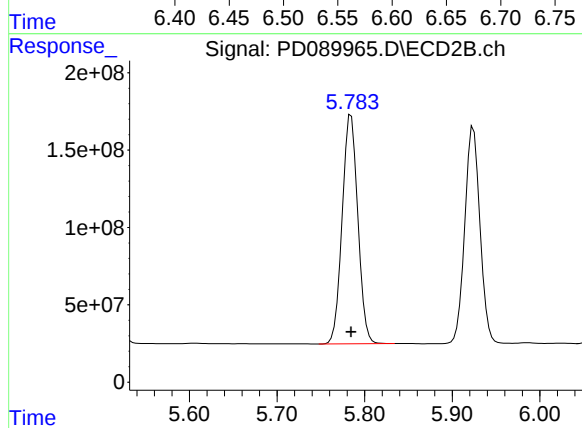
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 2053038518
Conc: 72.35 ng/ml



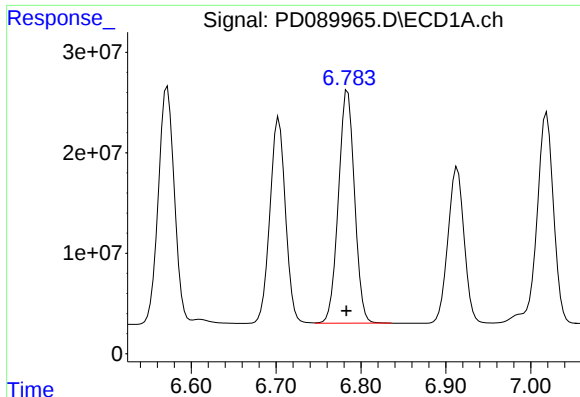
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 309827458
Conc: 74.42 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1840258607
Conc: 71.58 ng/ml



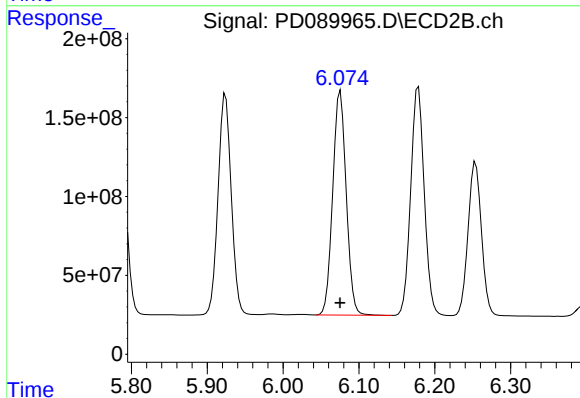
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.001 min
Response: 304824404
Conc: 73.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

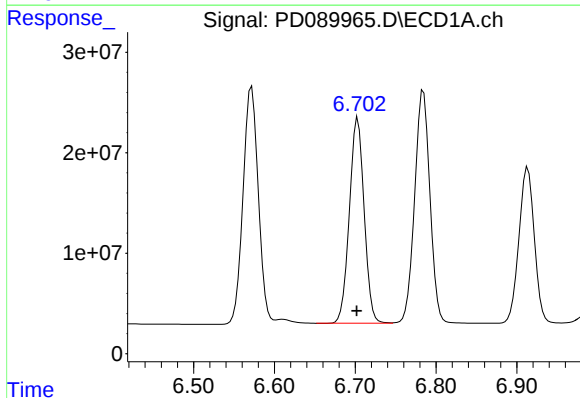
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



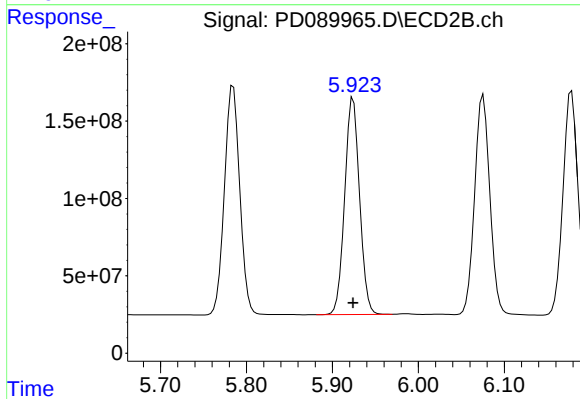
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1756317310
Conc: 71.87 ng/ml



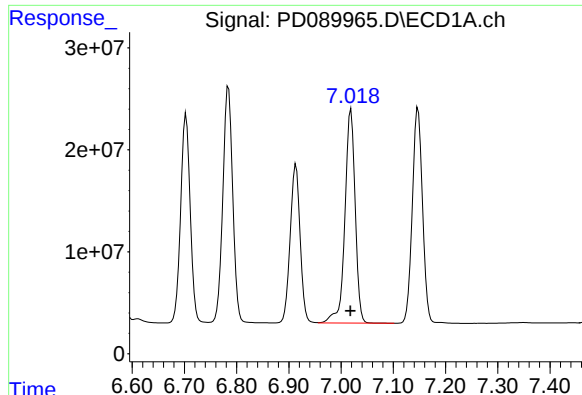
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.001 min
Response: 259670142
Conc: 75.10 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1690488939
Conc: 72.41 ng/ml



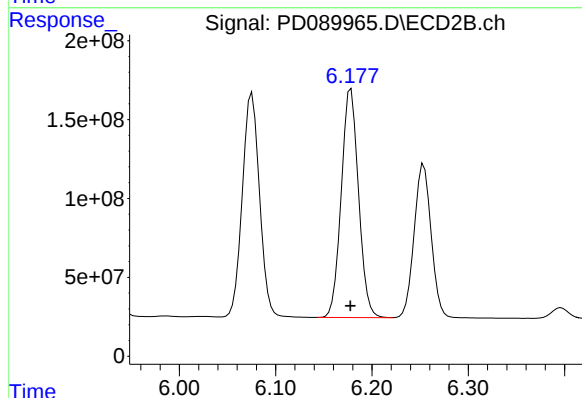
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 286260392
Conc: 74.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

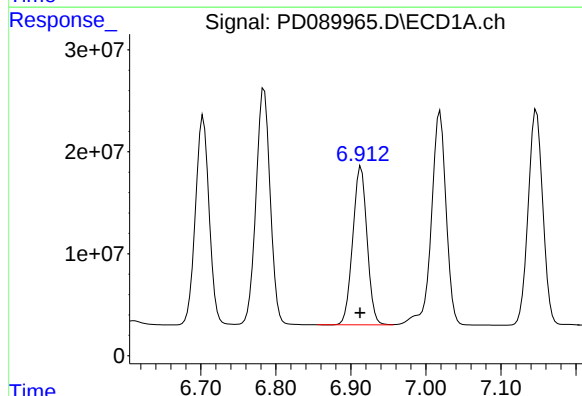
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



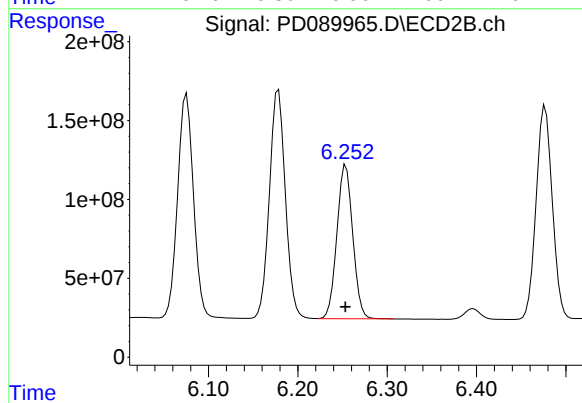
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1801741291
Conc: 72.57 ng/ml



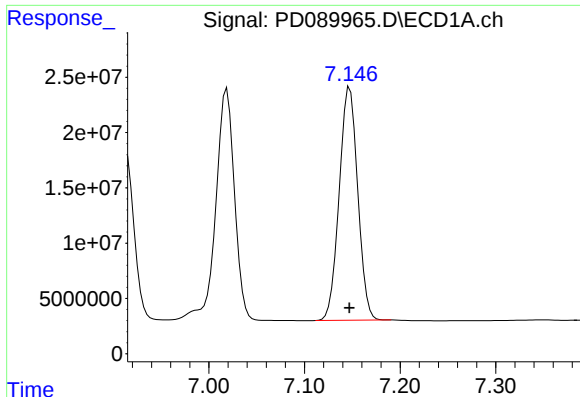
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.001 min
Response: 205918428
Conc: 73.80 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 1199729359
Conc: 72.53 ng/ml



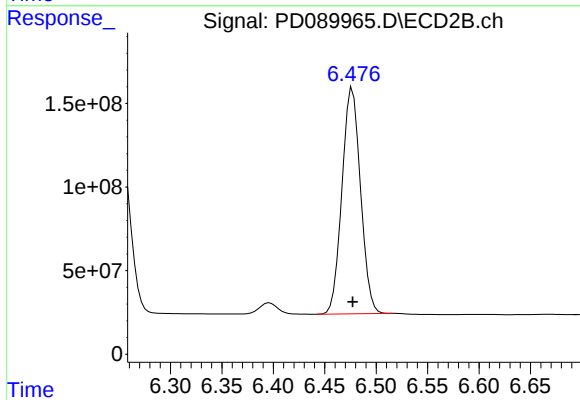
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 284439739
Conc: 73.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

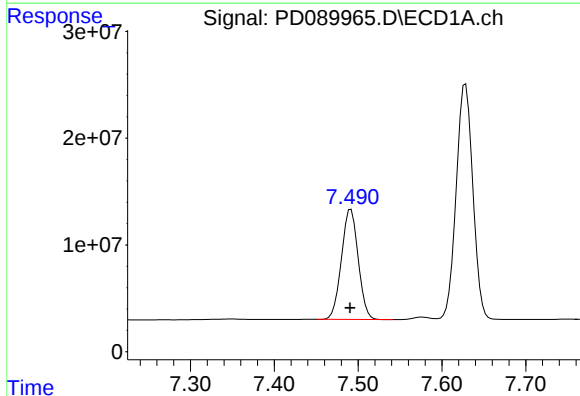
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



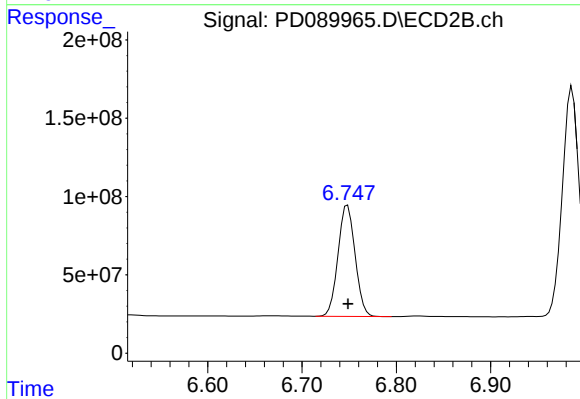
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1695858341
Conc: 72.18 ng/ml



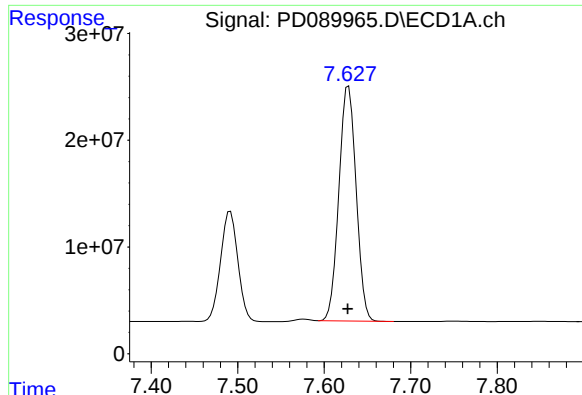
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.001 min
Response: 143646730
Conc: 72.44 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 894387226
Conc: 70.77 ng/ml



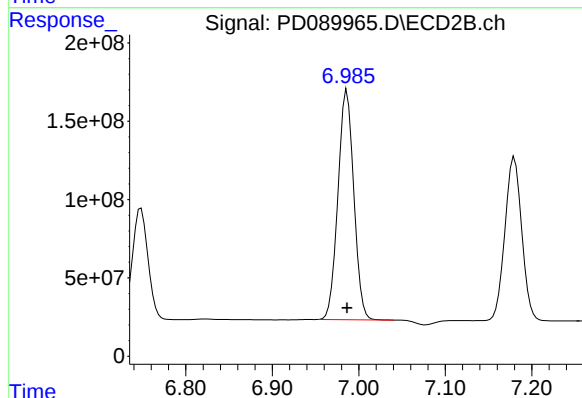
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 302953778
Conc: 73.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

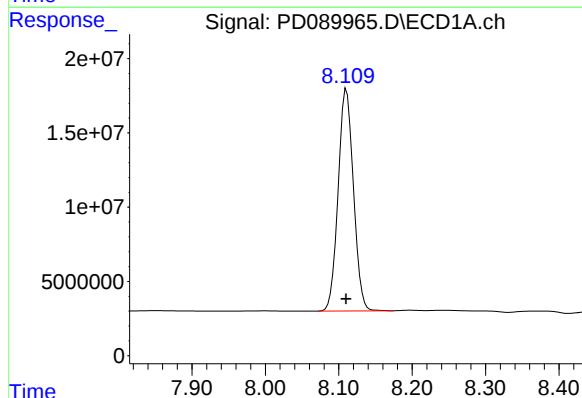
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



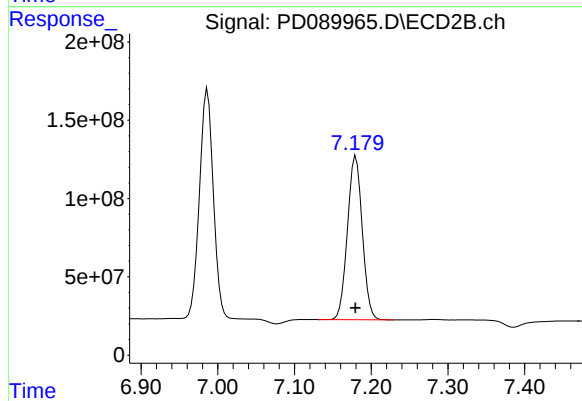
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 1856720368
Conc: 71.67 ng/ml



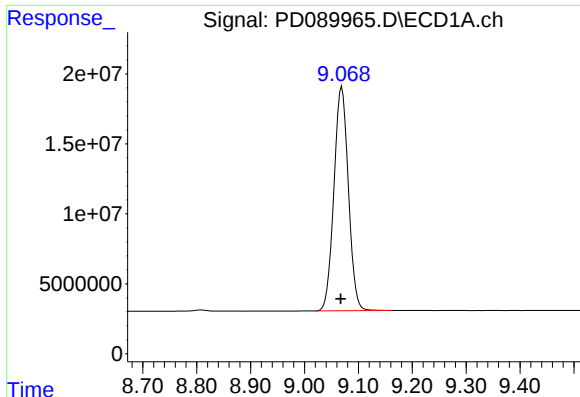
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 216835129
Conc: 71.57 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 1413237033
Conc: 72.10 ng/ml



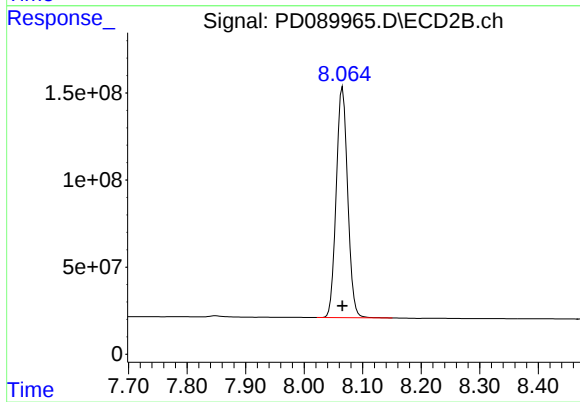
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.002 min
Response: 297729081
Conc: 71.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Manual Integrations
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Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 1797272442
Conc: 71.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089966.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:53
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	143.7E6	1061.4E6	50.000	50.000
28)	SA Decachlor...	9.067	8.065	207.4E6	1249.0E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.997	3.390	303.8E6	1650.3E6	50.000	50.000
3)	MA gamma-BHC...	4.328	3.726	286.8E6	1519.5E6	50.000	50.000
4)	MA Heptachlor	4.926	4.078	278.4E6	1514.2E6	50.000	50.000
5)	MB Aldrin	5.267	4.364	270.5E6	1477.4E6	50.000	50.000
6)	B beta-BHC	4.514	4.021	109.3E6	642.1E6	50.000	50.000
7)	B delta-BHC	4.762	4.258	262.1E6	1531.6E6	50.000	50.000
8)	B Heptachlo...	5.687	4.867	239.7E6	1335.3E6	50.000	50.000
9)	A Endosulfan I	6.071	5.242	228.2E6	1267.8E6	50.000	50.000
10)	B gamma-Chl...	5.943	5.120	242.9E6	1436.0E6	50.000	50.000
11)	B alpha-Chl...	6.024	5.185	243.6E6	1376.6E6	50.000	50.000
12)	B 4,4'-DDE	6.192	5.369	220.2E6	1394.4E6	50.000	50.000
13)	MA Dieldrin	6.344	5.507	244.6E6	1418.7E6	50.000	50.000
14)	MA Endrin	6.571	5.784	208.2E6	1285.5E6	50.000	50.000
15)	B Endosulfa...	6.783	6.075	207.0E6	1221.8E6	50.000	50.000
16)	A 4,4'-DDD	6.702	5.924	172.9E6	1167.3E6	50.000	50.000
17)	MA 4,4'-DDT	7.018	6.178	191.6E6	1241.4E6	50.000	50.000
18)	B Endrin al...	6.912	6.253	139.5E6	827.0E6	50.000	50.000
19)	B Endosulfa...	7.147	6.477	193.3E6	1174.7E6	50.000	50.000
20)	A Methoxychlor	7.490	6.749	99144906	631.9E6	50.000	50.000
21)	B Endrin ke...	7.627	6.986	205.0E6	1295.3E6	50.000	50.000
22)	Mirex	8.110	7.179	151.5E6	980.0E6	50.000	50.000

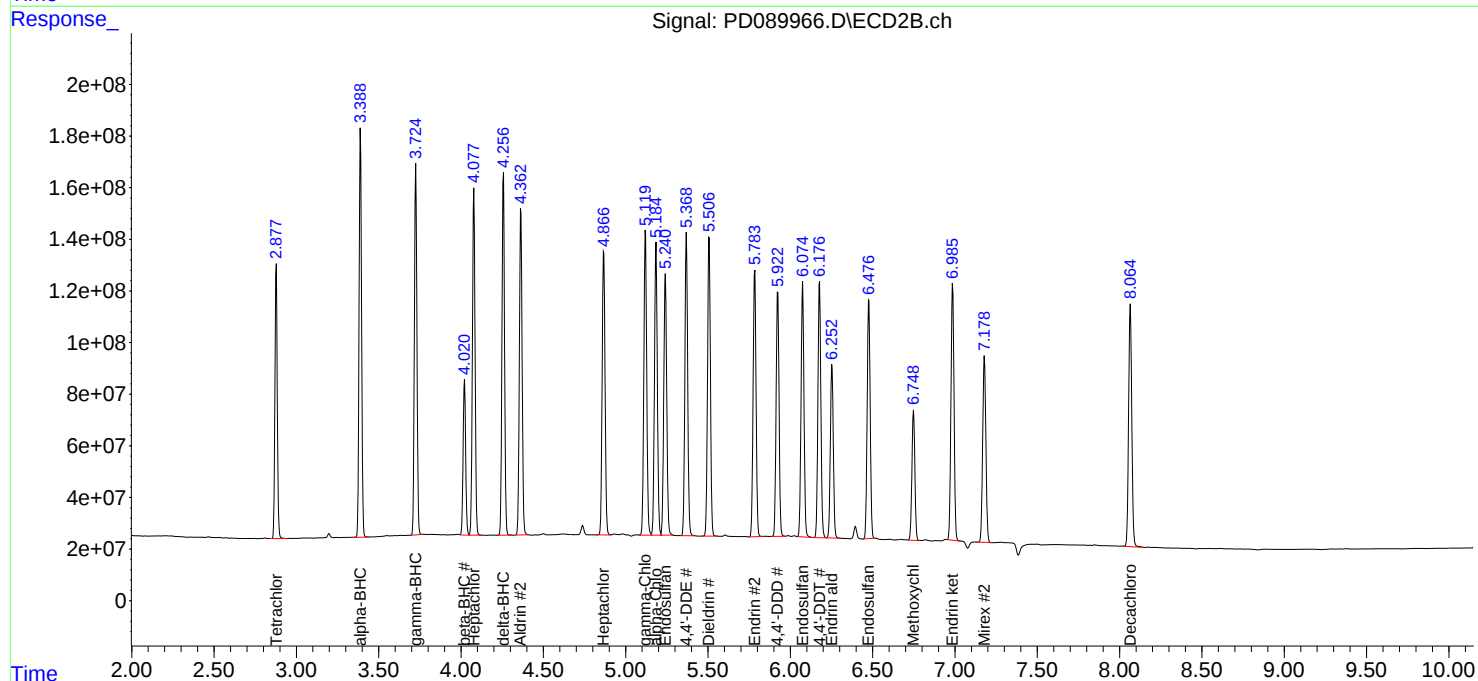
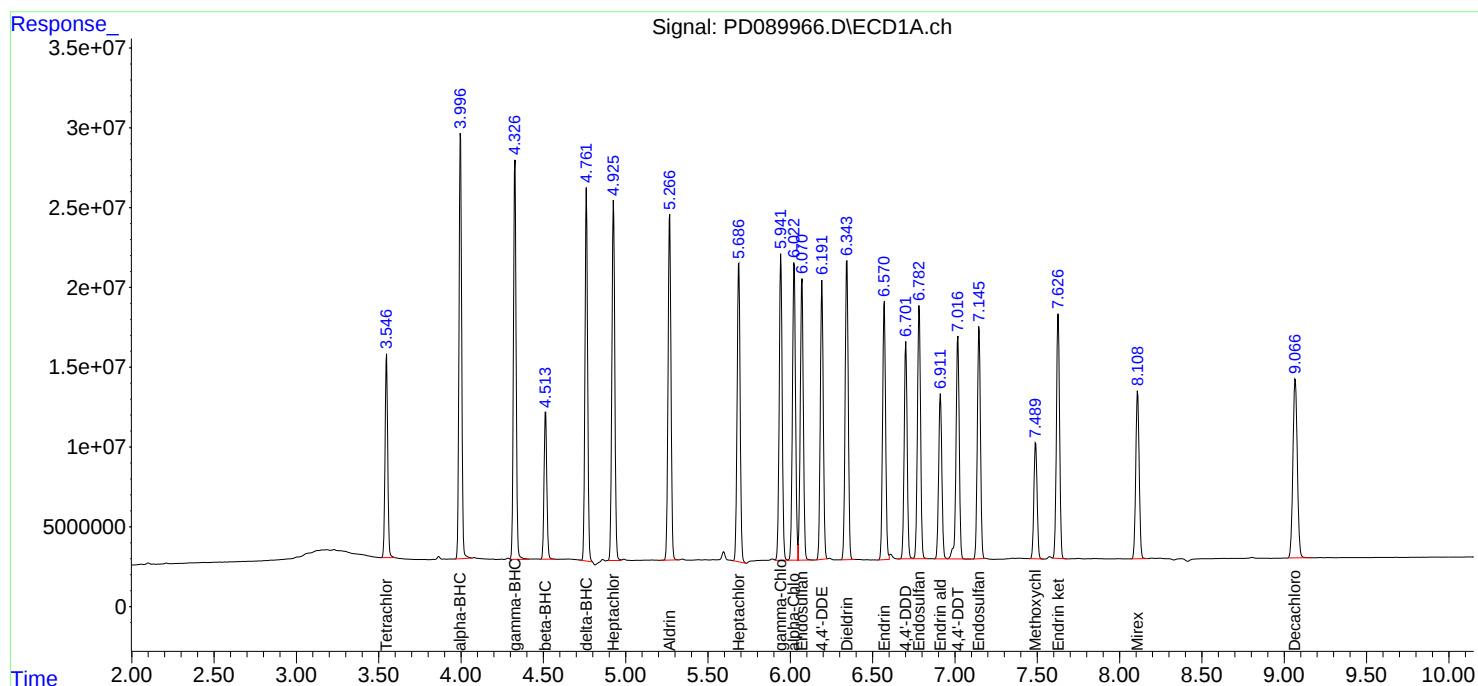
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

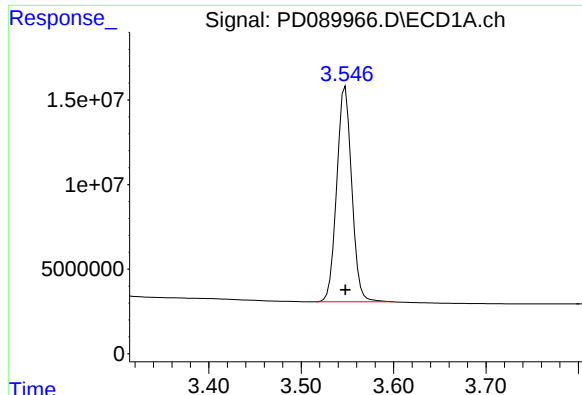
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:53
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

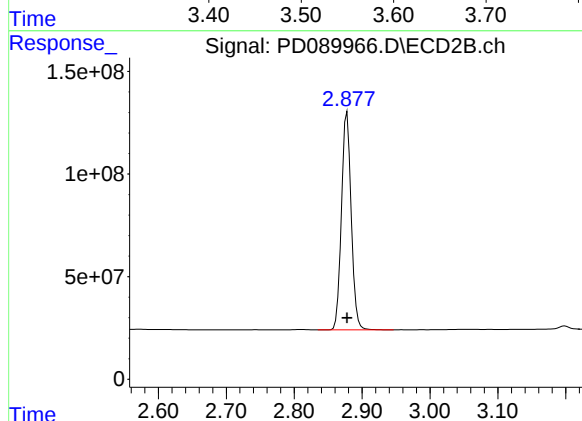




#1 Tetrachloro-m-xylene

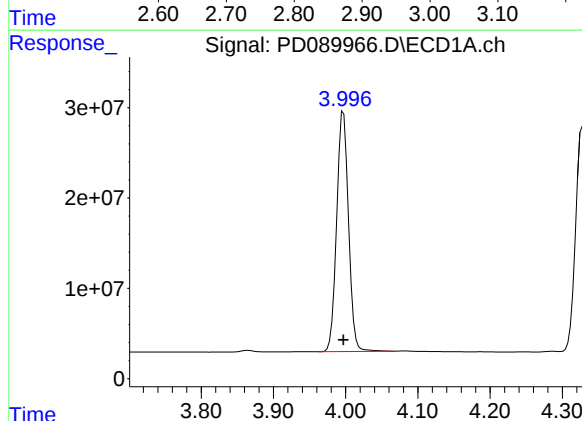
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 143701087
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



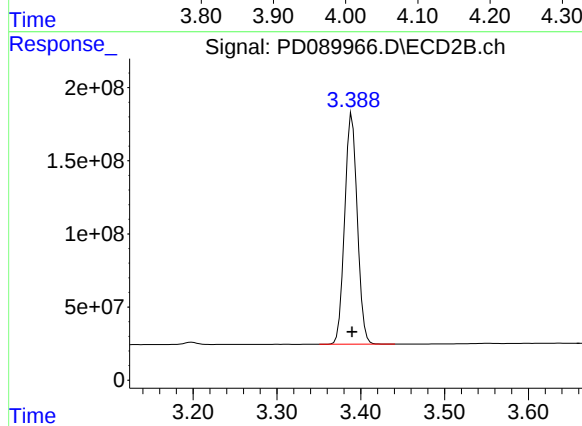
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 1061390596
Conc: 50.00 ng/ml



#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 303830998
Conc: 50.00 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1650337771
Conc: 50.00 ng/ml

Response_ Signal: PD089966.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 286809895
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PD089966.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1519490643
Conc: 50.00 ng/ml

Time

Response_ Signal: PD089966.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: 0.000 min
Response: 278372120
Conc: 50.00 ng/ml

Time

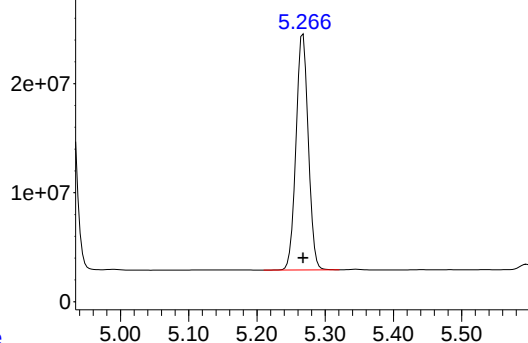
Response_ Signal: PD089966.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1514210058
Conc: 50.00 ng/ml

Time

Response_ Signal: PD089966.D\ECD1A.ch

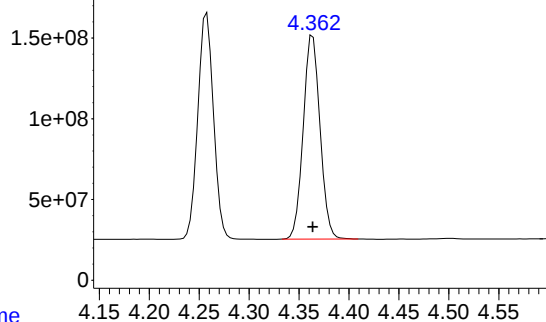


#5 Aldrin

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 270521059
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

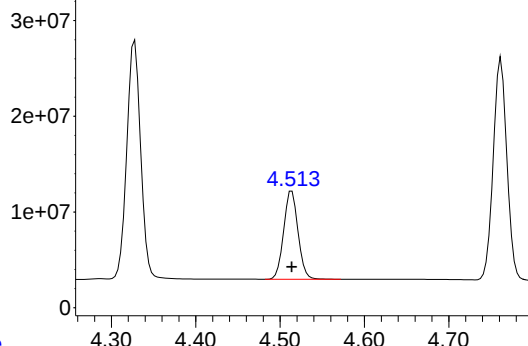
Time Response_ Signal: PD089966.D\ECD2B.ch



#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1477369649
Conc: 50.00 ng/ml

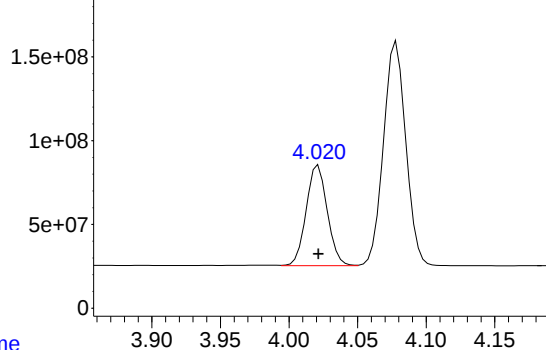
Time Response_ Signal: PD089966.D\ECD1A.ch



#6 beta-BHC

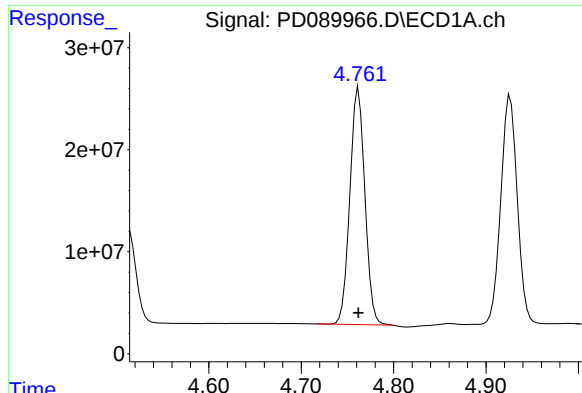
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 109299981
Conc: 50.00 ng/ml

Time Response_ Signal: PD089966.D\ECD2B.ch



#6 beta-BHC

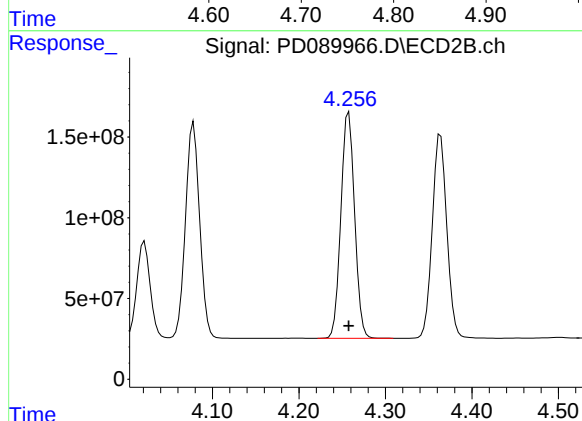
R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 642103338
Conc: 50.00 ng/ml



#7 delta-BHC

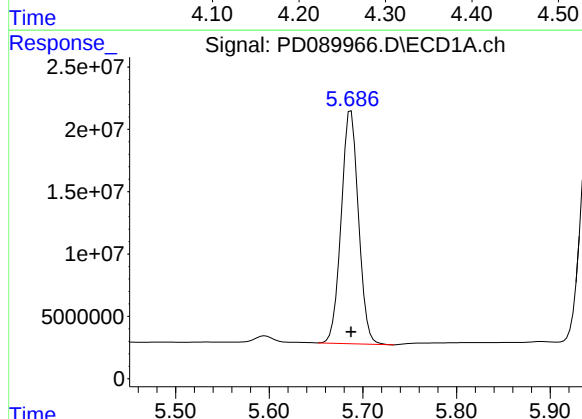
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 262063519
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



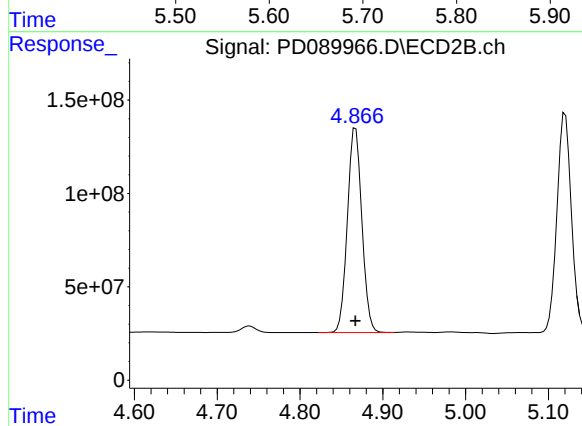
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1531582166
Conc: 50.00 ng/ml



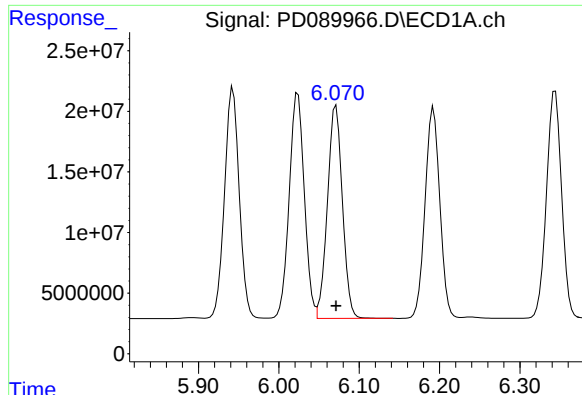
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 239661956
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

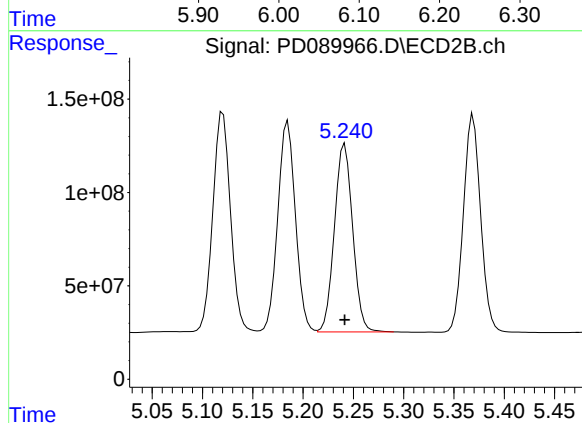
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1335327200
Conc: 50.00 ng/ml



#9 Endosulfan I

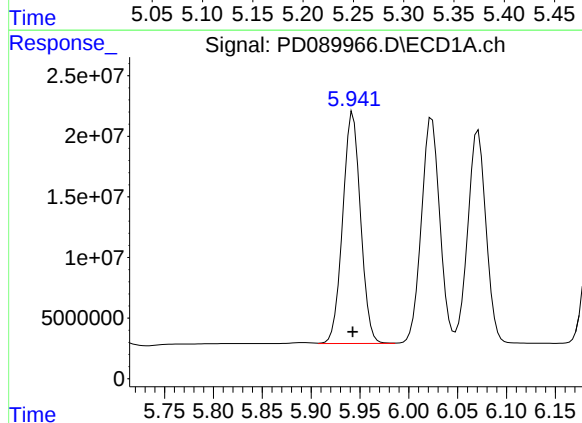
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 228152976
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



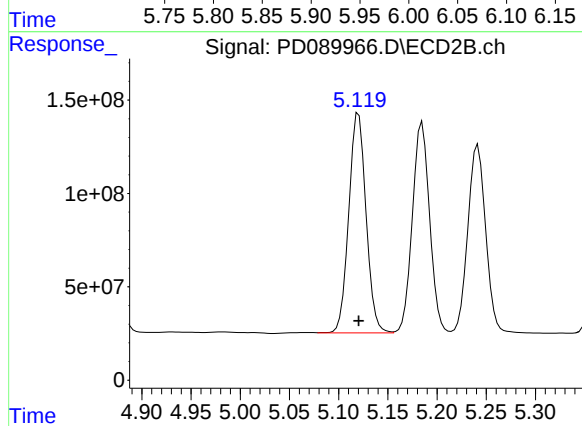
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1267837624
Conc: 50.00 ng/ml



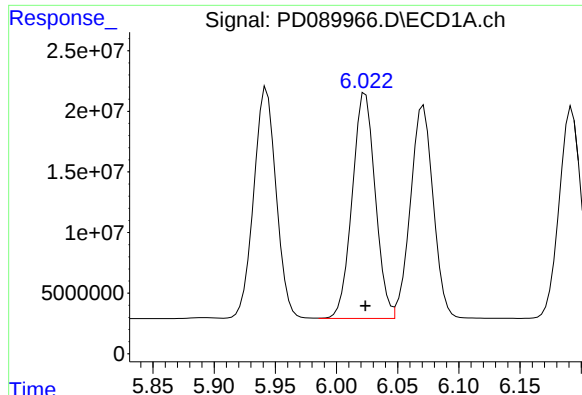
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 242874346
Conc: 50.00 ng/ml



#10 gamma-Chlordane

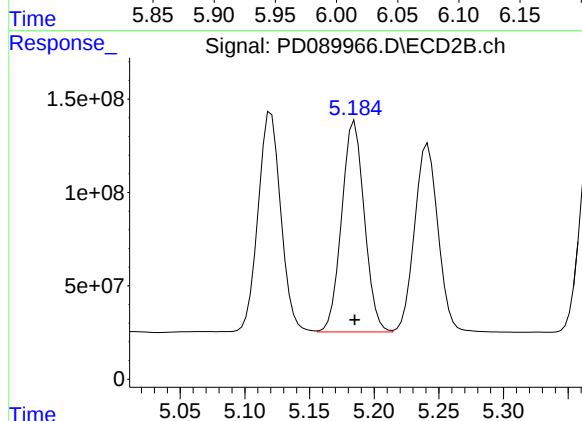
R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1436016255
Conc: 50.00 ng/ml



#11 alpha-Chlordane

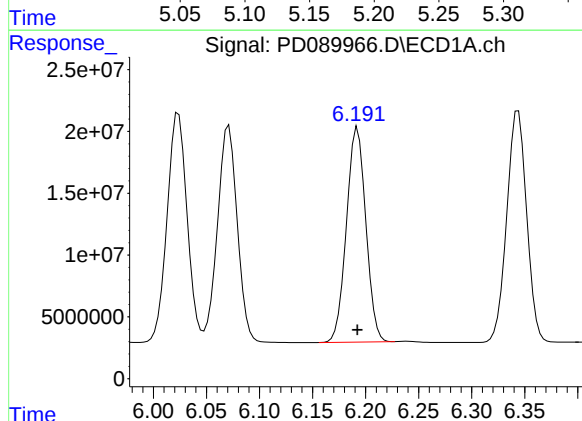
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 243623866
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



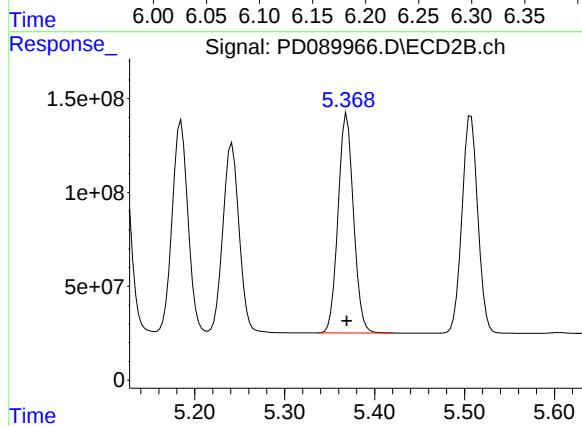
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1376621101
Conc: 50.00 ng/ml



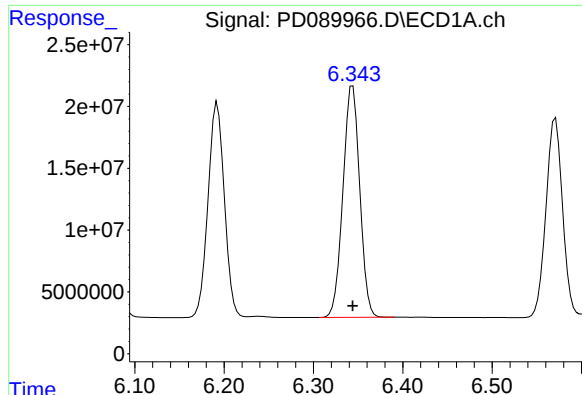
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 220206900
Conc: 50.00 ng/ml



#12 4,4'-DDE

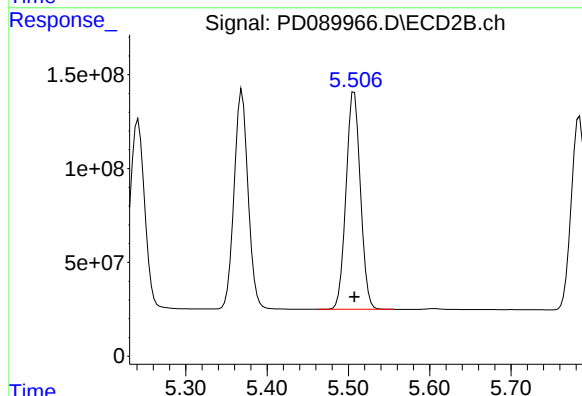
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1394371107
Conc: 50.00 ng/ml



#13 Dieldrin

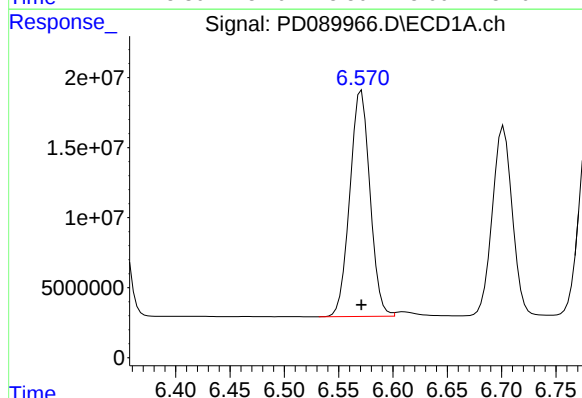
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 244635911
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



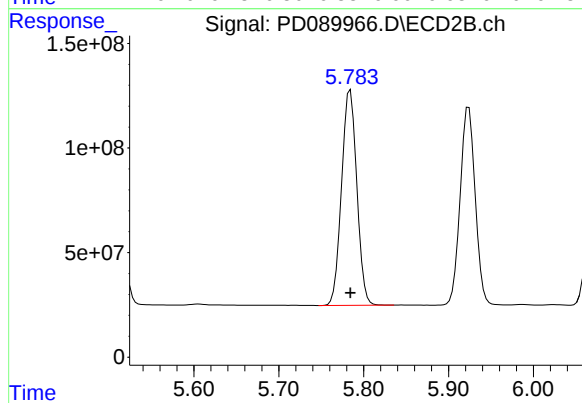
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1418734236
Conc: 50.00 ng/ml



#14 Endrin

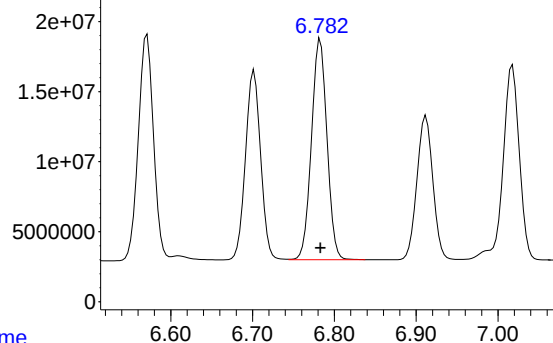
R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 208168039
Conc: 50.00 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1285514273
Conc: 50.00 ng/ml

Response_ Signal: PD089966.D\ECD1A.ch

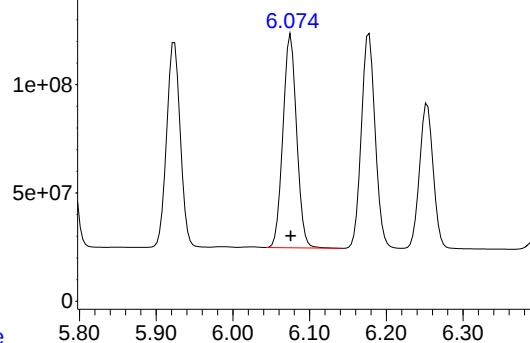


#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 207008035
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

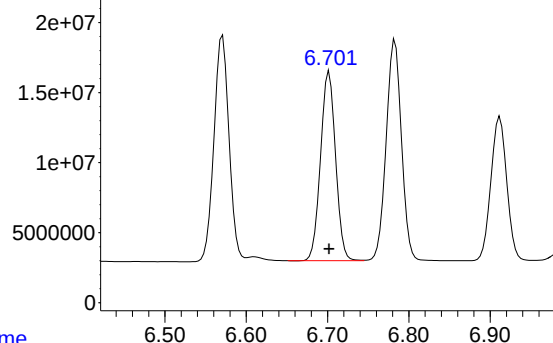
Time Response_ Signal: PD089966.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1221839885
Conc: 50.00 ng/ml

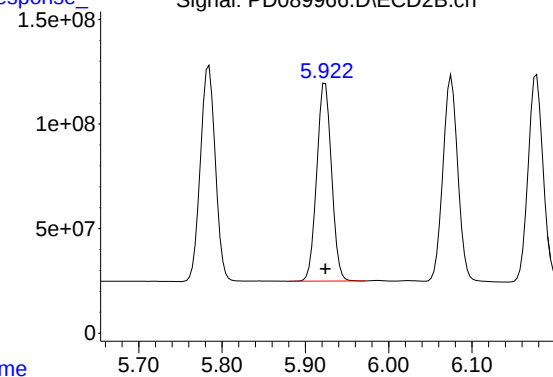
Time Response_ Signal: PD089966.D\ECD1A.ch



#16 4,4'-DDD

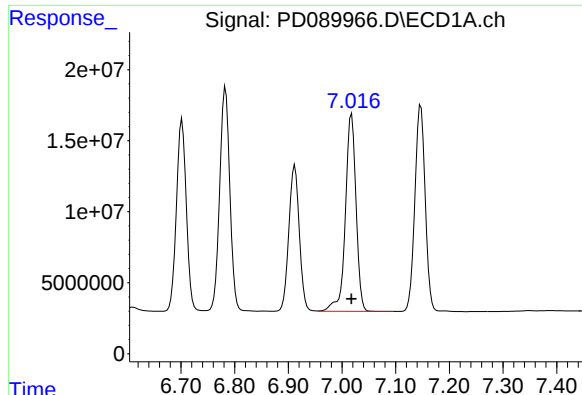
R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 172882993
Conc: 50.00 ng/ml

Time Response_ Signal: PD089966.D\ECD2B.ch



#16 4,4'-DDD

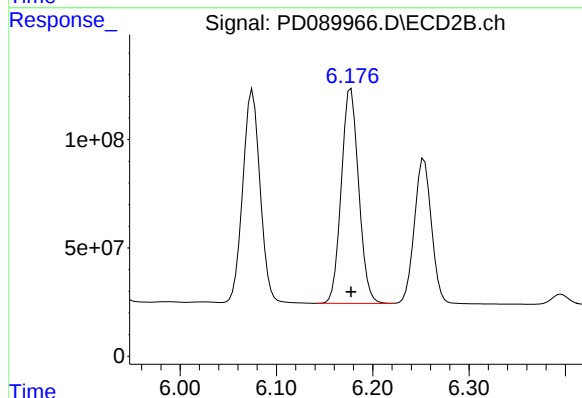
R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1167297569
Conc: 50.00 ng/ml



#17 4,4'-DDT

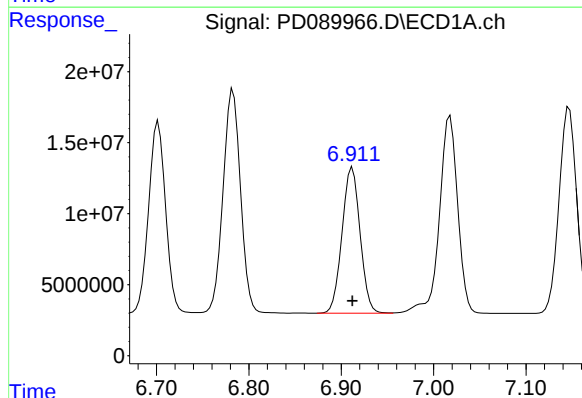
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 191630910
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



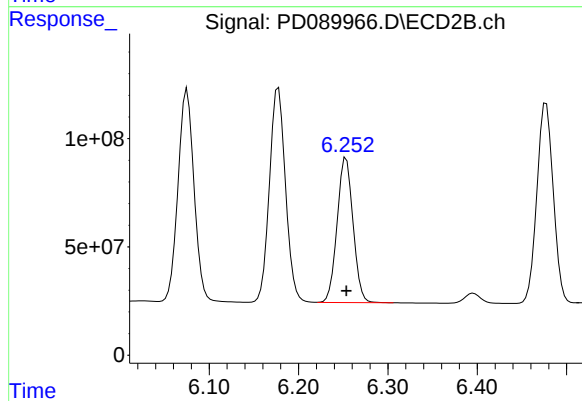
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1241379597
Conc: 50.00 ng/ml



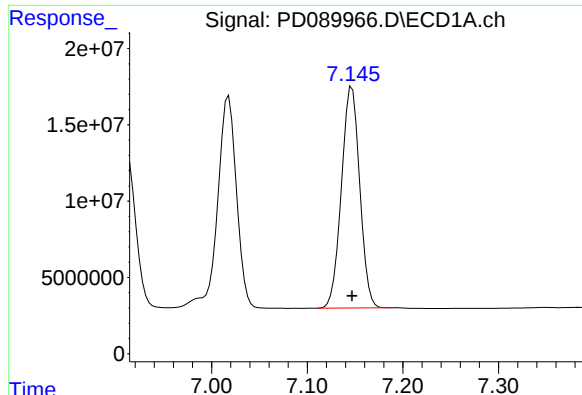
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 139512201
Conc: 50.00 ng/ml



#18 Endrin aldehyde

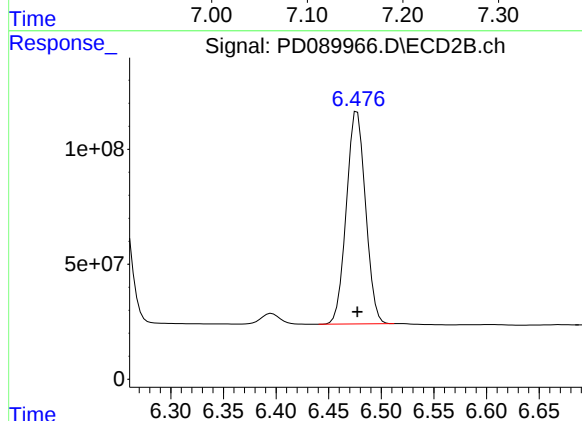
R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 827045357
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

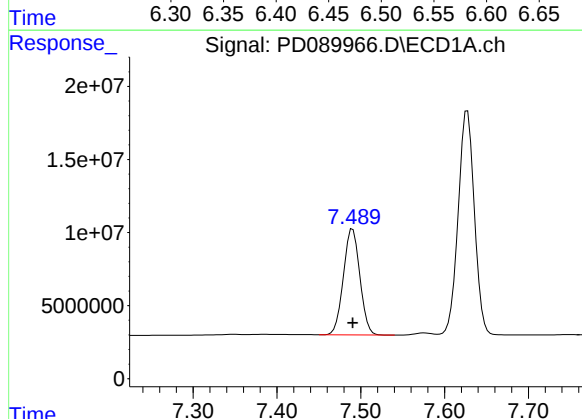
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 193288549
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



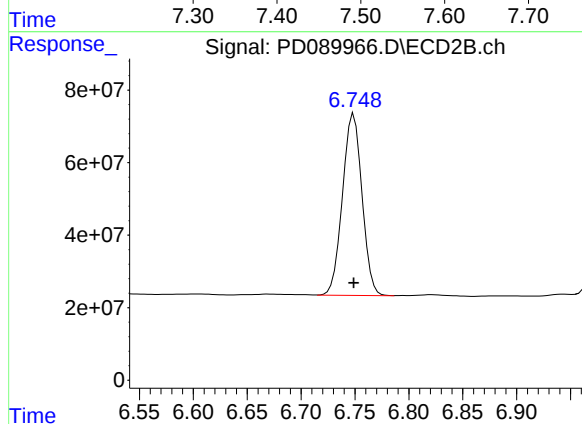
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1174724250
Conc: 50.00 ng/ml



#20 Methoxychlor

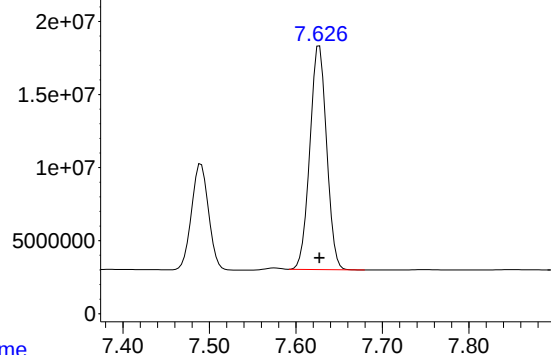
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 99144906
Conc: 50.00 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 631935418
Conc: 50.00 ng/ml

Response_ Signal: PD089966.D\ECD1A.ch

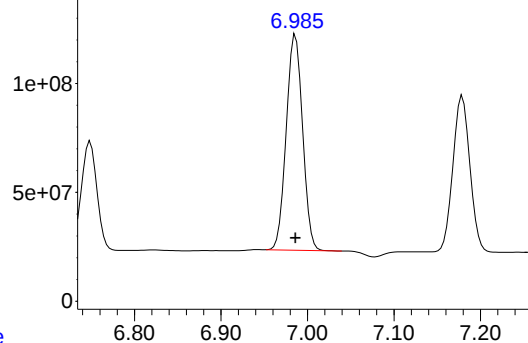


#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 205046439
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

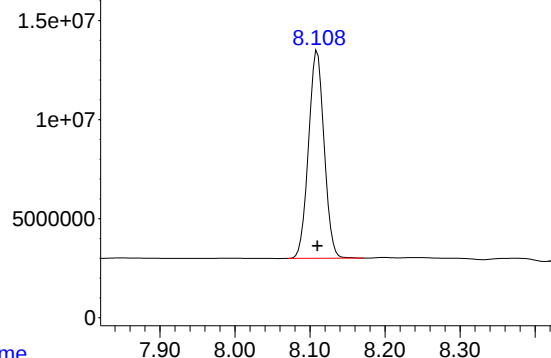
Time Response_ Signal: PD089966.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 1295256910
Conc: 50.00 ng/ml

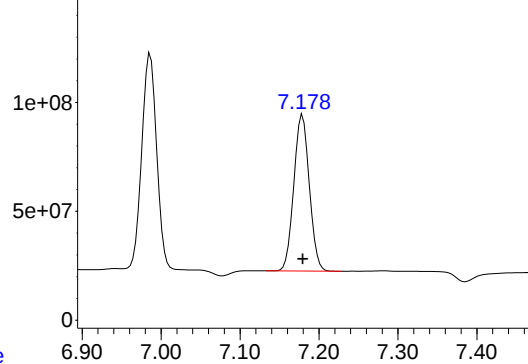
Time Response_ Signal: PD089966.D\ECD1A.ch



#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 151477037
Conc: 50.00 ng/ml

Time Response_ Signal: PD089966.D\ECD2B.ch



#22 Mirex

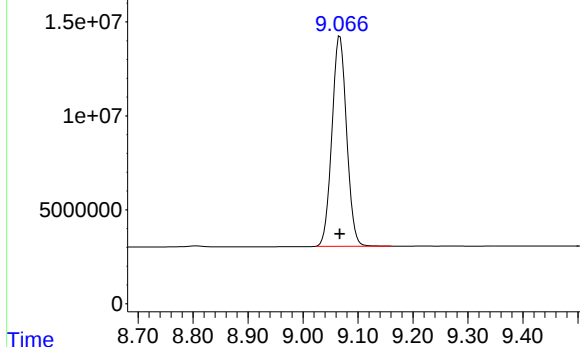
R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 980037240
Conc: 50.00 ng/ml

Response_

Signal: PD089966.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 207381652
Conc: 50.00 ng/ml

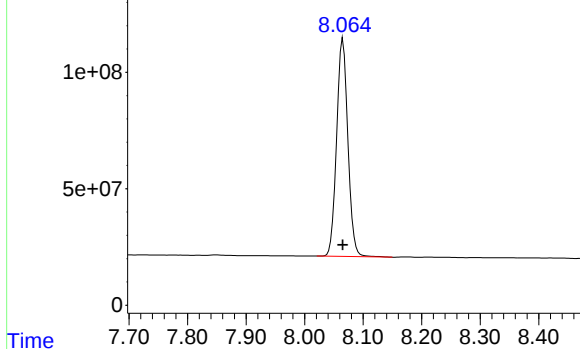
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD089966.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 1248994326
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:06
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.547	2.878	71016587	546.4E6	24.710	25.741
28) SA Decachlor...	9.067	8.064	107.9E6	640.1E6	26.014	25.623
Target Compounds						
2) A alpha-BHC	3.997	3.390	140.2E6	833.0E6	23.079	25.237
3) MA gamma-BHC...	4.327	3.726	134.9E6	770.6E6	23.511	25.357
4) MA Heptachlor	4.925	4.079	132.9E6	776.1E6	23.863	25.628
5) MB Aldrin	5.267	4.364	128.6E6	757.5E6	23.765	25.635
6) B beta-BHC	4.513	4.021	54960603	332.9E6	25.142	25.922
7) B delta-BHC	4.761	4.258	121.7E6	778.0E6	23.212	25.399
8) B Heptachlo...	5.687	4.867	115.9E6	691.0E6	24.175	25.874
9) A Endosulfan I	6.071	5.242	111.0E6	659.8E6	24.316	26.020
10) B gamma-Chl...	5.942	5.120	116.5E6	739.7E6	23.977	25.755
11) B alpha-Chl...	6.023	5.185	117.6E6	709.8E6	24.145	25.781
12) B 4,4'-DDE	6.192	5.370	103.5E6	716.9E6	23.505	25.709
13) MA Dieldrin	6.343	5.507	116.2E6	731.2E6	23.757	25.771
14) MA Endrin	6.570	5.783	97945789	662.6E6	23.526	25.771
15) B Endosulfa...	6.782	6.075	101.1E6	634.5E6	24.423	25.964
16) A 4,4'-DDD	6.701	5.924	81645553	601.1E6	23.613	25.746
17) MA 4,4'-DDT	7.017	6.178	90494404	627.7E6	23.612	25.283
18) B Endrin al...	6.911	6.253	69637886	434.5E6	24.958	26.266
19) B Endosulfa...	7.145	6.477	94537771	611.7E6	24.455	26.037
20) A Methoxychlor	7.489	6.748	49573124	328.1E6	25.000	25.963
21) B Endrin ke...	7.626	6.986	100.1E6	674.8E6	24.421	26.048
22) Mirex	8.108	7.178	78134392	518.7E6	25.791	26.465

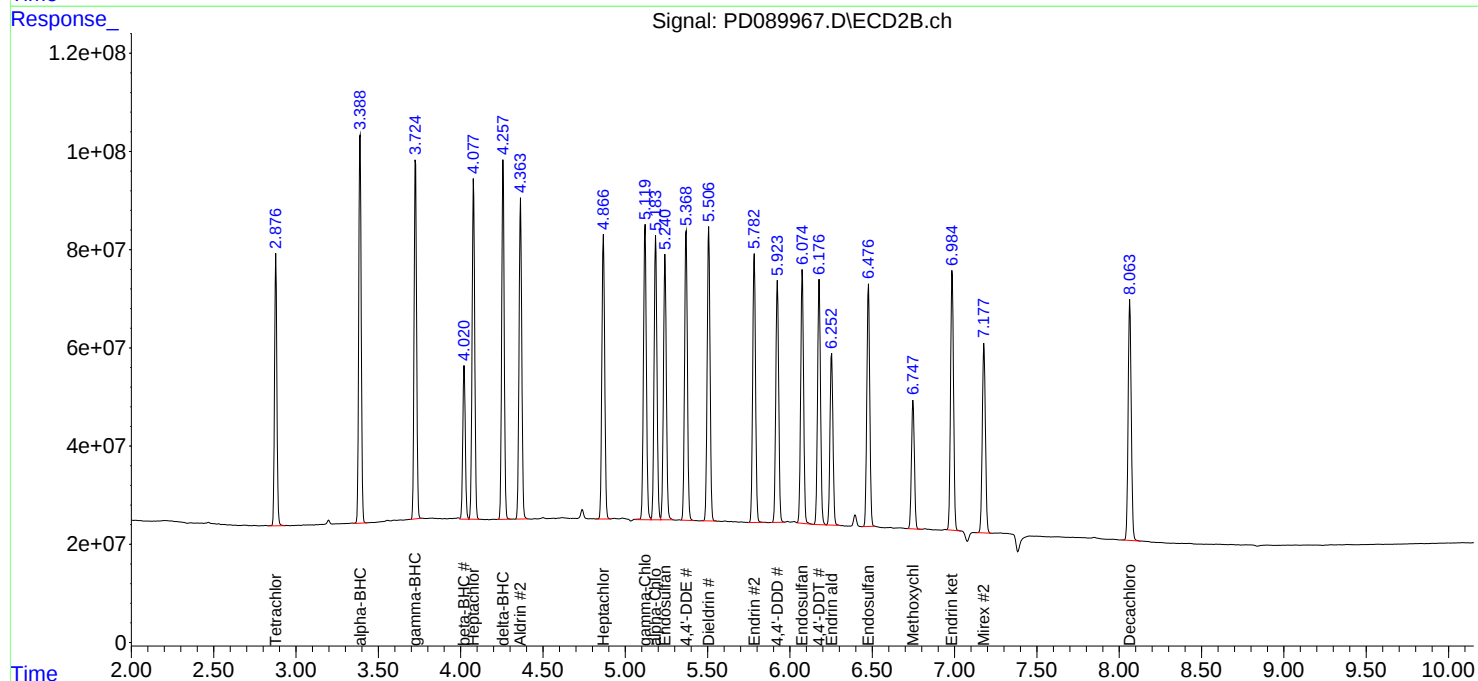
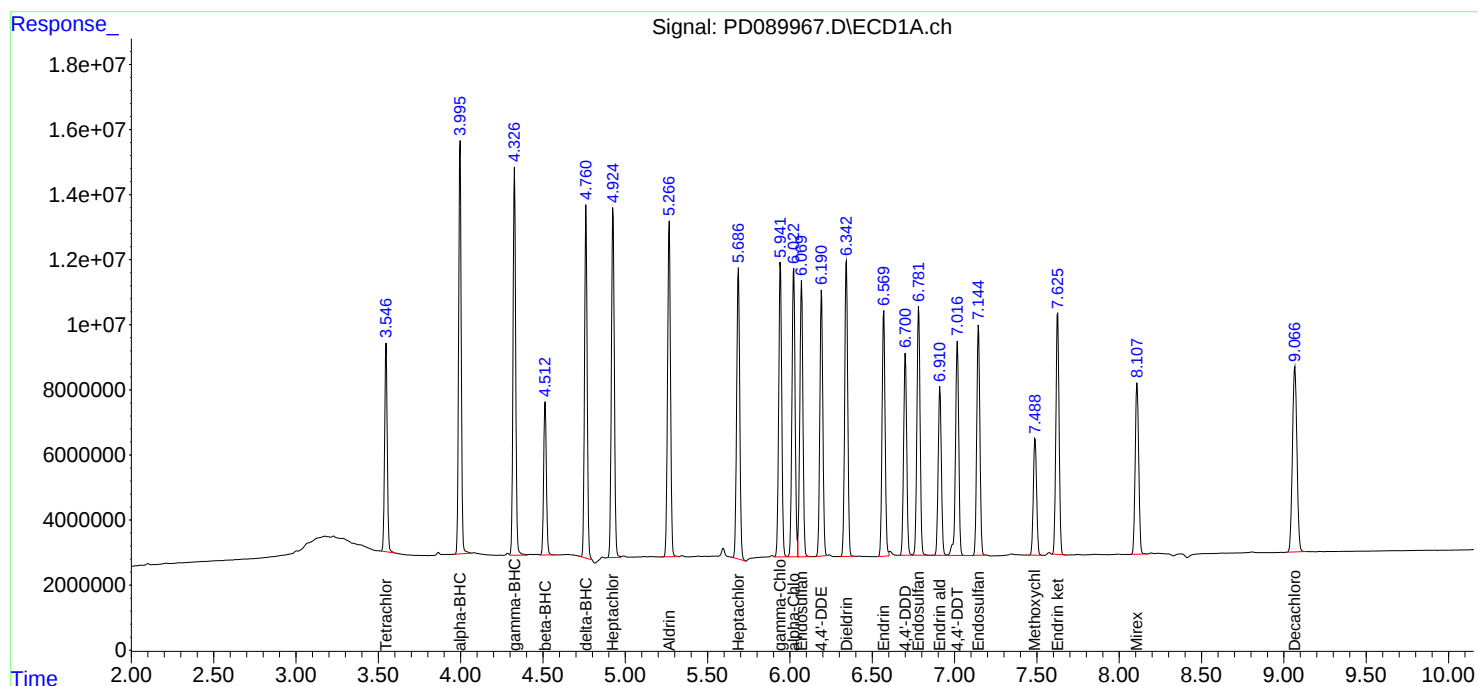
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:06
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

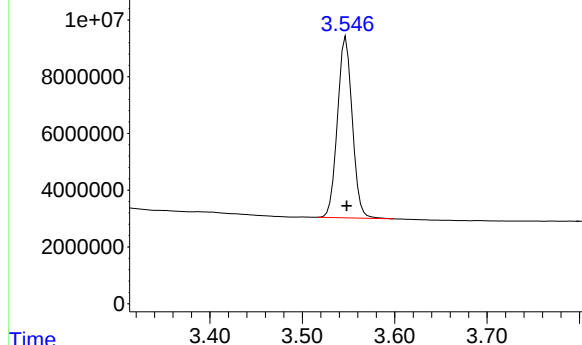


Response_ Signal: PD089967.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 71016587
Conc: 24.71 ng/ml

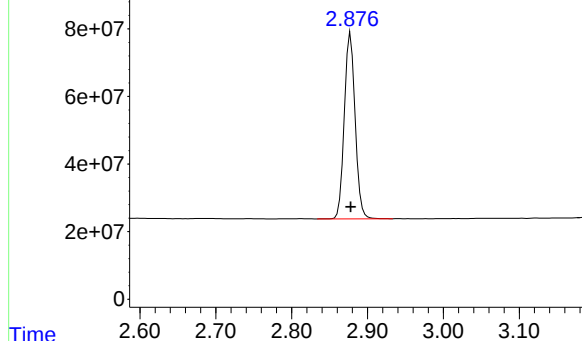
Instrument :
ECD_D
ClientSampleId :
PSTDICC025



Time Response_ Signal: PD089967.D\ECD2B.ch

#1 Tetrachloro-m-xylene

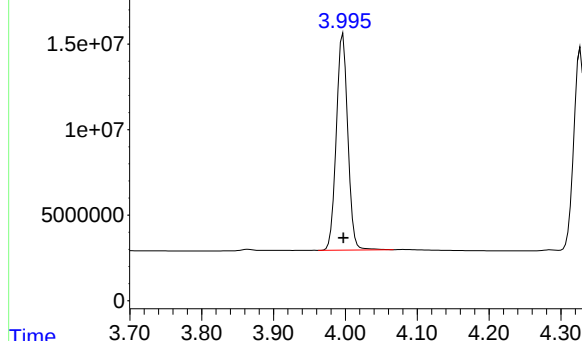
R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 546420413
Conc: 25.74 ng/ml



Time Response_ Signal: PD089967.D\ECD1A.ch

#2 alpha-BHC

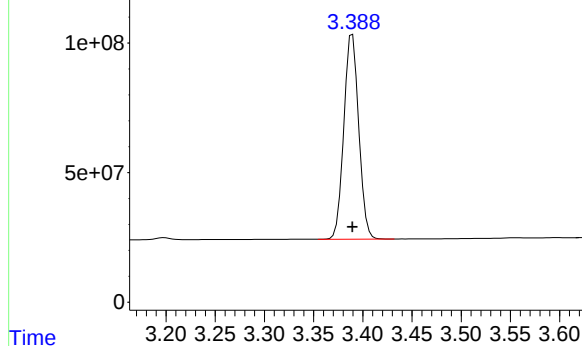
R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 140242631
Conc: 23.08 ng/ml



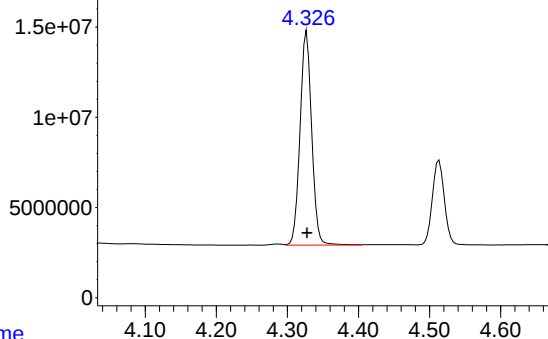
Time Response_ Signal: PD089967.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 833004542
Conc: 25.24 ng/ml



Response_ Signal: PD089967.D\ECD1A.ch

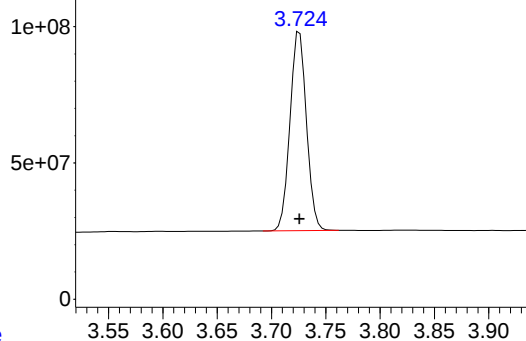


#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 134864869
Conc: 23.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

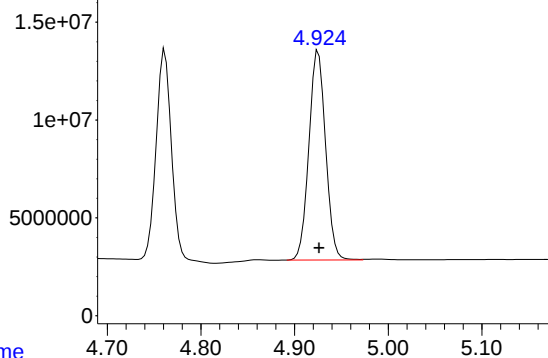
Time Response_ Signal: PD089967.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 770589925
Conc: 25.36 ng/ml

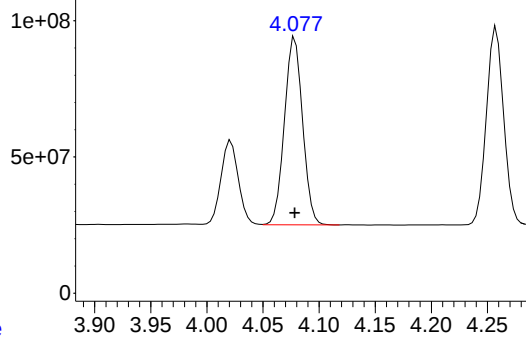
Time Response_ Signal: PD089967.D\ECD1A.ch



#4 Heptachlor

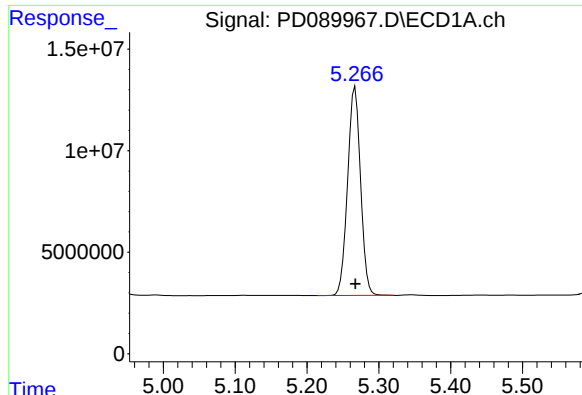
R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 132856347
Conc: 23.86 ng/ml

Time Response_ Signal: PD089967.D\ECD2B.ch



#4 Heptachlor

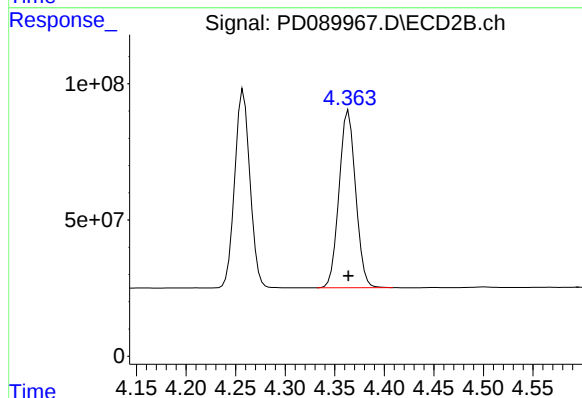
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 776122229
Conc: 25.63 ng/ml



#5 Aldrin

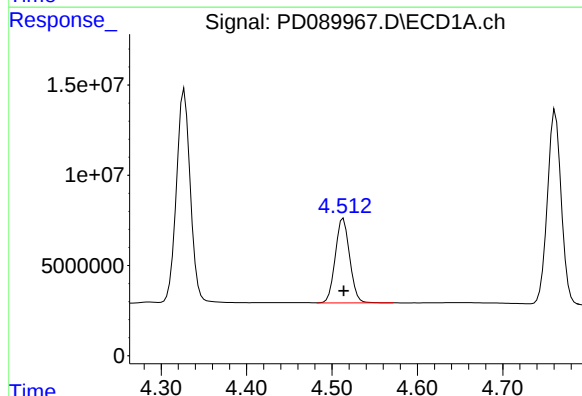
R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 128581188
Conc: 23.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



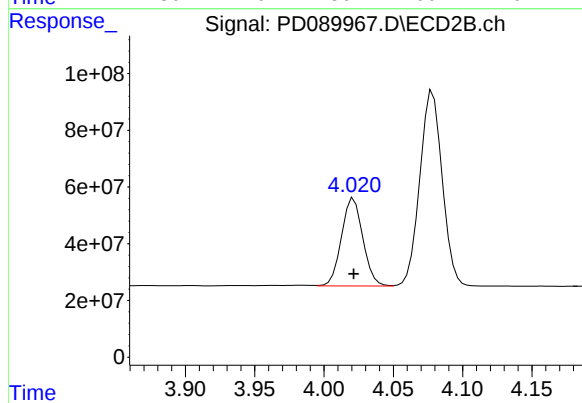
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 757453334
Conc: 25.64 ng/ml



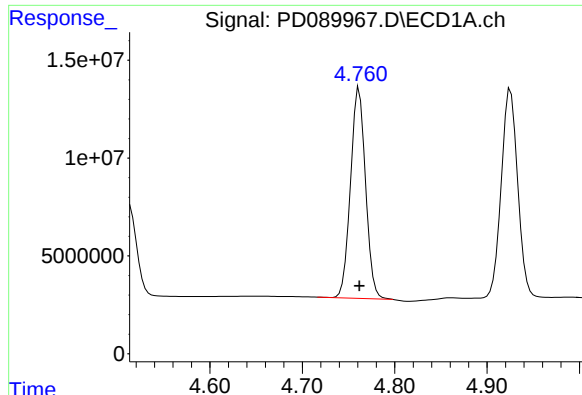
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 54960603
Conc: 25.14 ng/ml



#6 beta-BHC

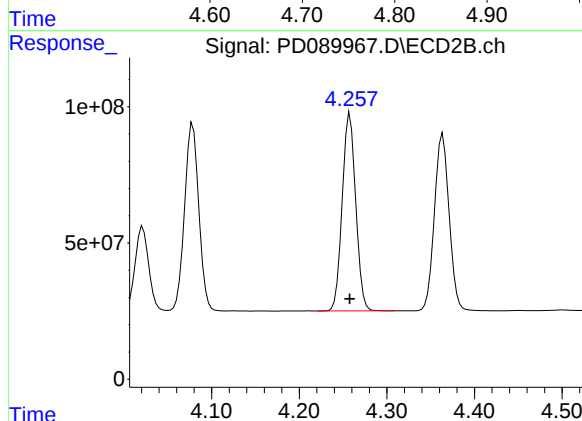
R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 332894768
Conc: 25.92 ng/ml



#7 delta-BHC

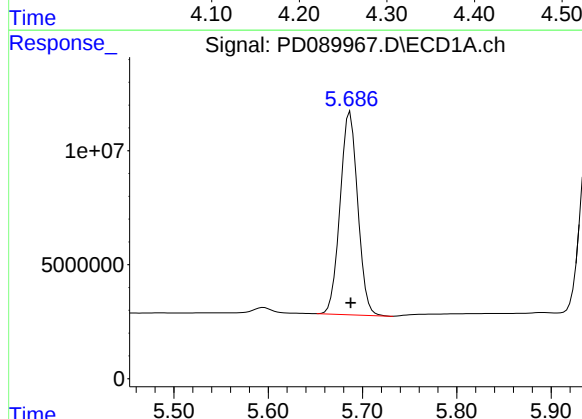
R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 121661726
Conc: 23.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



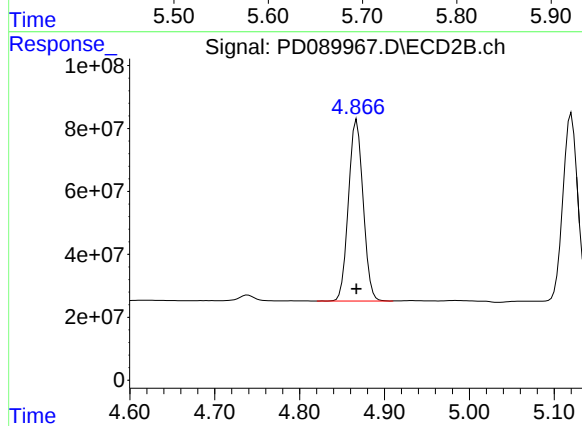
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 778013862
Conc: 25.40 ng/ml



#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 115876842
Conc: 24.18 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 691010827
Conc: 25.87 ng/ml

Response_

Signal: PD089967.D\ECD1A.ch

#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 110956702
Conc: 24.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response

Signal: PD089967.D\ECD2B.ch

#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 659781479
Conc: 26.02 ng/ml

Time

Response_

Signal: PD089967.D\ECD1A.ch

#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 116467707
Conc: 23.98 ng/ml

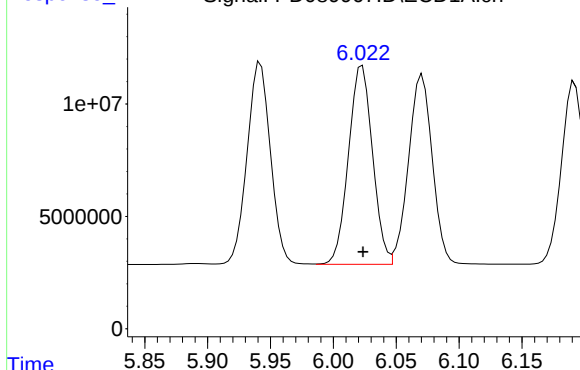
Time

Response

Signal: PD089967.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 739696766
Conc: 25.76 ng/ml



R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 117645146
Conc: 24.14 ng/ml

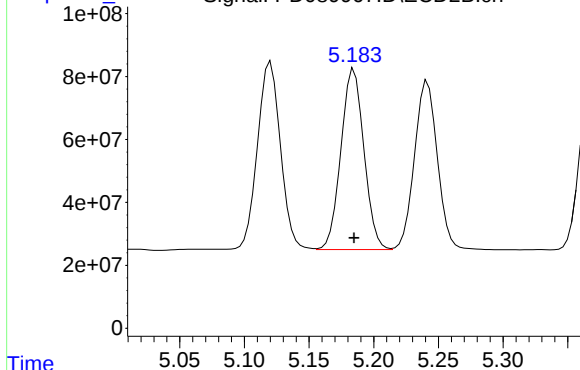
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response

Signal: PD089967.D\ECD2B.ch

#11 alpha-Chlordane



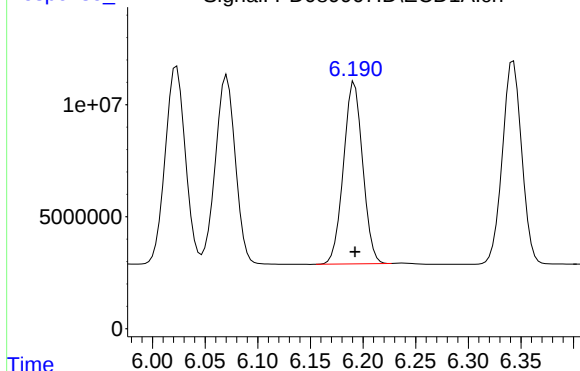
R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 709806241
Conc: 25.78 ng/ml

Time

Response

Signal: PD089967.D\ECD1A.ch

#12 4,4'-DDE



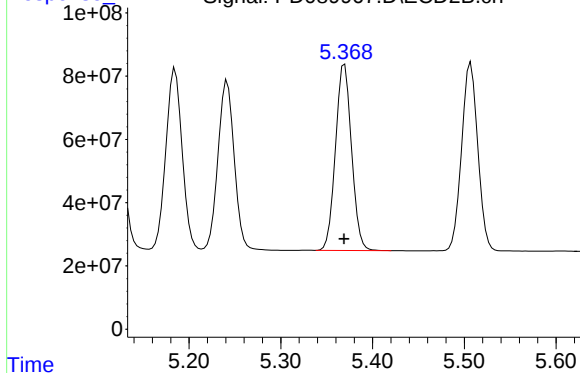
R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 103518674
Conc: 23.50 ng/ml

Time

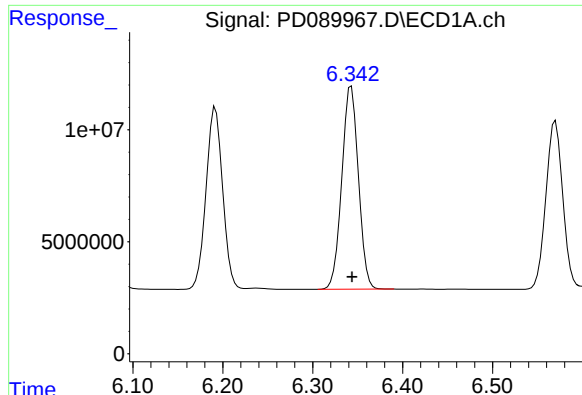
Response

Signal: PD089967.D\ECD2B.ch

#12 4,4'-DDE



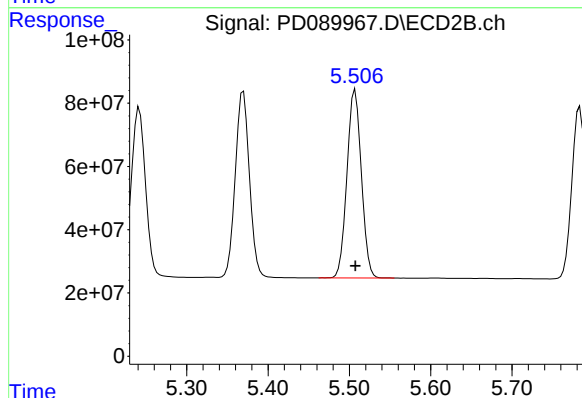
R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 716949933
Conc: 25.71 ng/ml



#13 Dieldrin

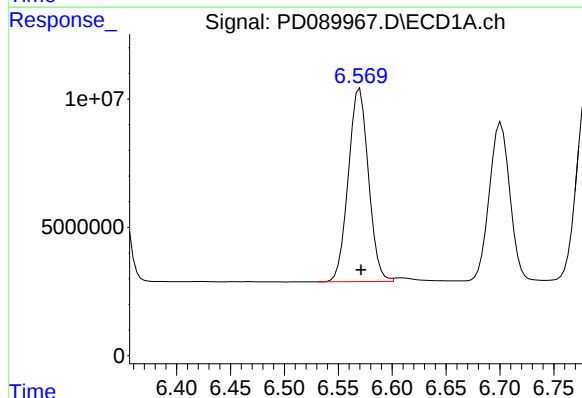
R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 116237990
Conc: 23.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



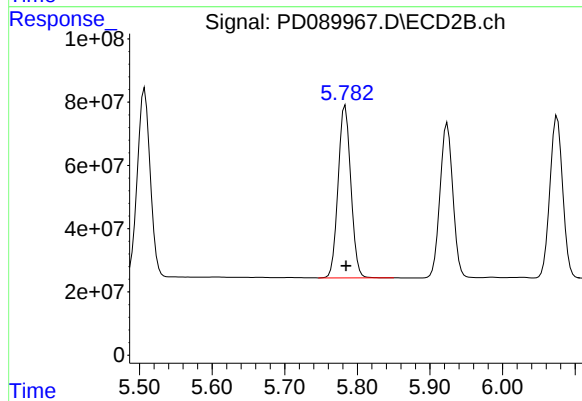
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 731239488
Conc: 25.77 ng/ml



#14 Endrin

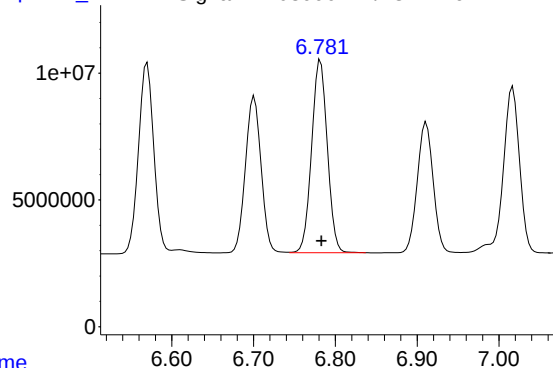
R.T.: 6.570 min
Delta R.T.: -0.001 min
Response: 97945789
Conc: 23.53 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 662568005
Conc: 25.77 ng/ml

Response_ Signal: PD089967.D\ECD1A.ch

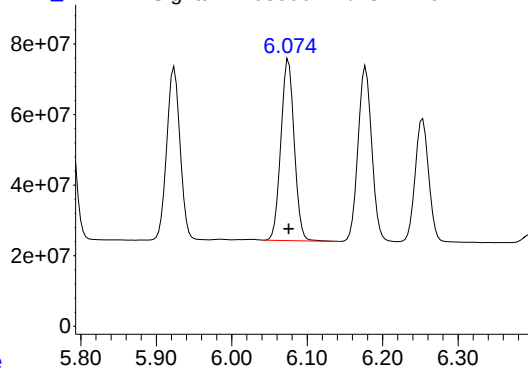


#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 101113693
Conc: 24.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

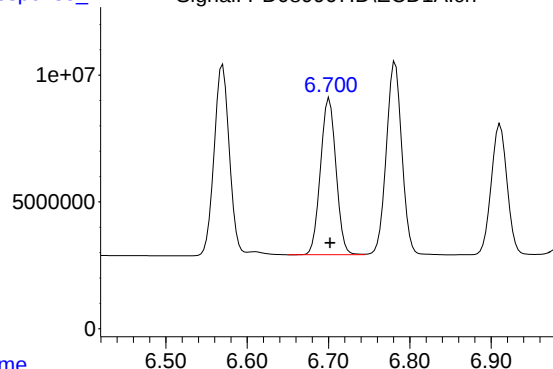
Time Response_ Signal: PD089967.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 634471686
Conc: 25.96 ng/ml

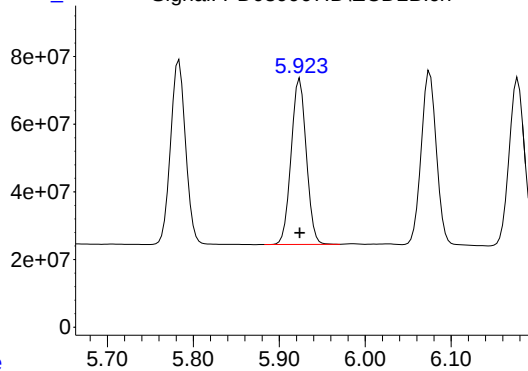
Time Response_ Signal: PD089967.D\ECD1A.ch



#16 4,4'-DDD

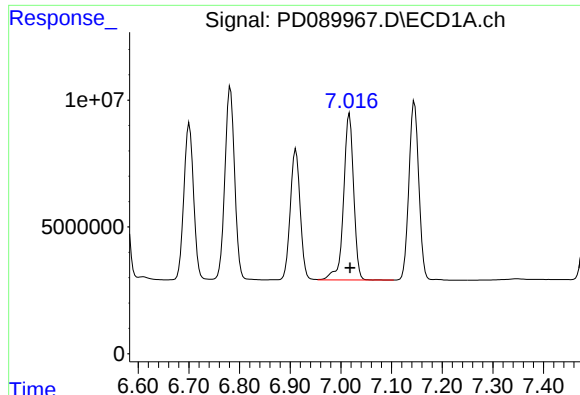
R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 81645553
Conc: 23.61 ng/ml

Time Response_ Signal: PD089967.D\ECD2B.ch



#16 4,4'-DDD

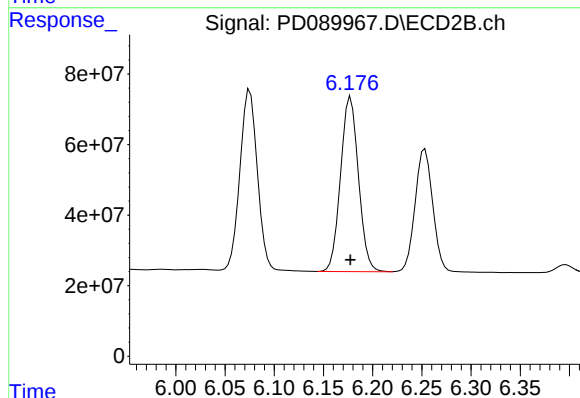
R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 601053205
Conc: 25.75 ng/ml



#17 4,4'-DDT

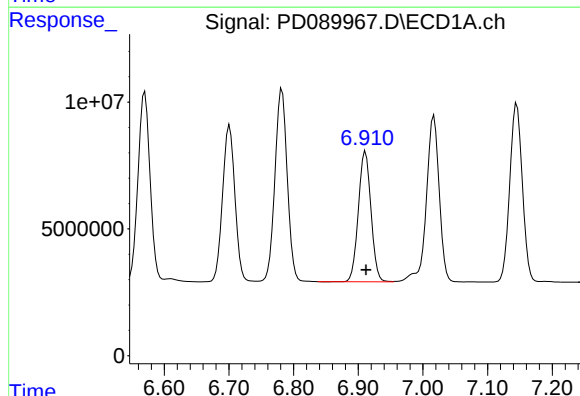
R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 90494404
Conc: 23.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



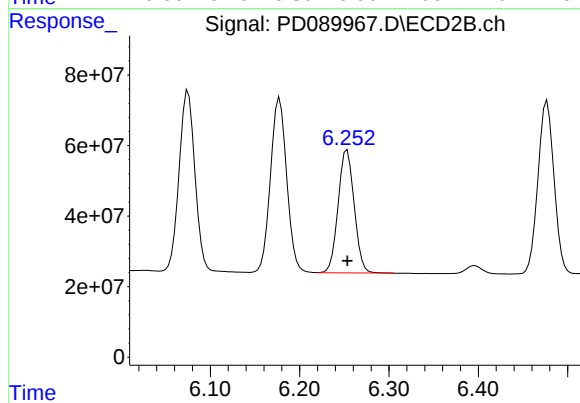
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 627714397
Conc: 25.28 ng/ml



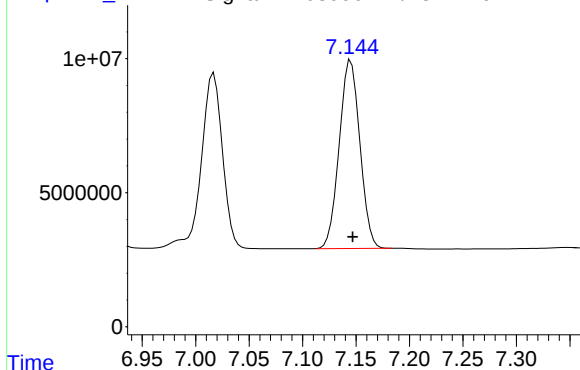
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 69637886
Conc: 24.96 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 434470213
Conc: 26.27 ng/ml



R.T.: 7.145 min
Delta R.T.: -0.002 min
Response: 94537771
Conc: 24.46 ng/ml

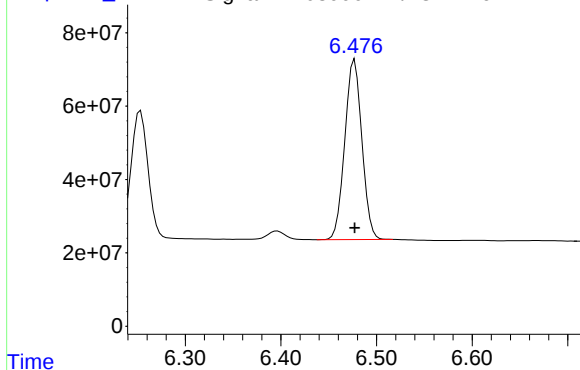
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD089967.D\ECD2B.ch

#19 Endosulfan Sulfate



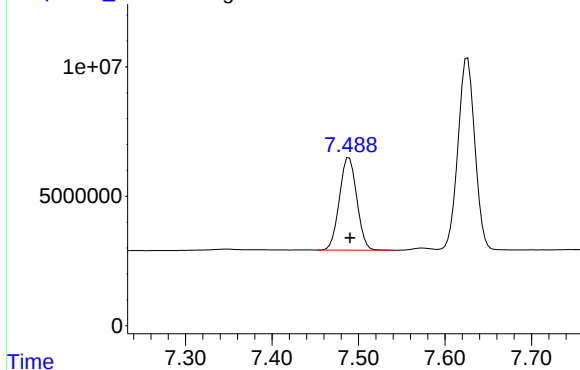
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 611737446
Conc: 26.04 ng/ml

Time

Response_

Signal: PD089967.D\ECD1A.ch

#20 Methoxychlor



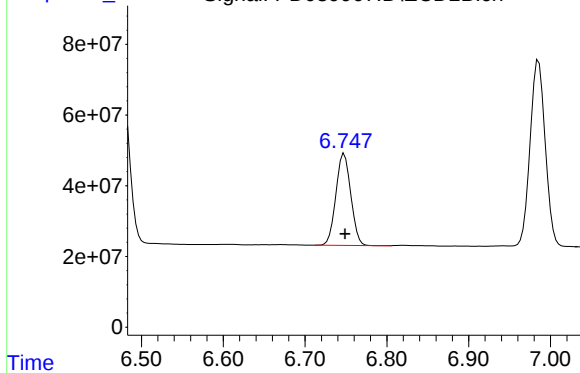
R.T.: 7.489 min
Delta R.T.: -0.001 min
Response: 49573124
Conc: 25.00 ng/ml

Time

Response_

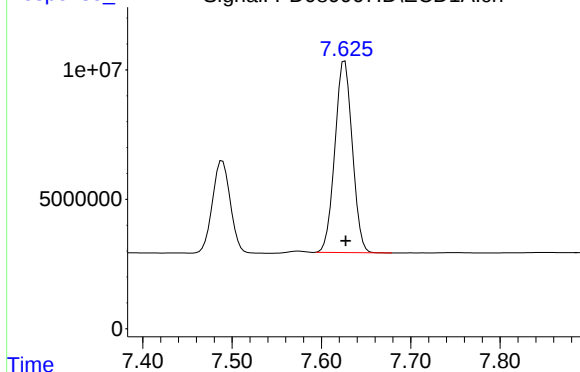
Signal: PD089967.D\ECD2B.ch

#20 Methoxychlor



R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 328142167
Conc: 25.96 ng/ml

Time



R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 100146931
Conc: 24.42 ng/ml

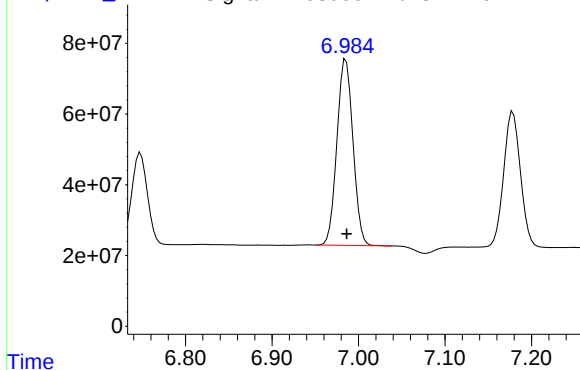
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD089967.D\ECD2B.ch

#21 Endrin ketone



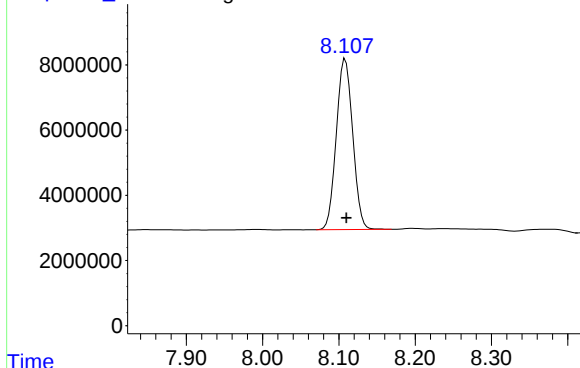
R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 674784356
Conc: 26.05 ng/ml

Time

Response_

Signal: PD089967.D\ECD1A.ch

#22 Mirex



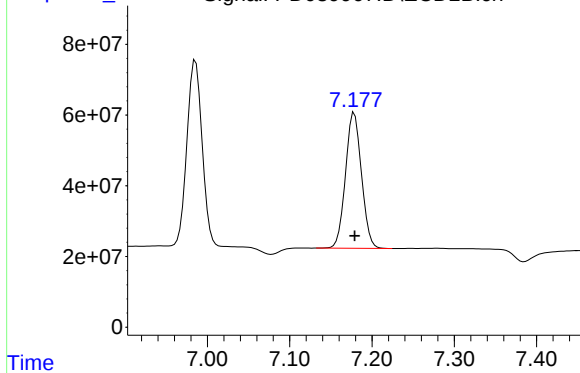
R.T.: 8.108 min
Delta R.T.: -0.001 min
Response: 78134392
Conc: 25.79 ng/ml

Time

Response_

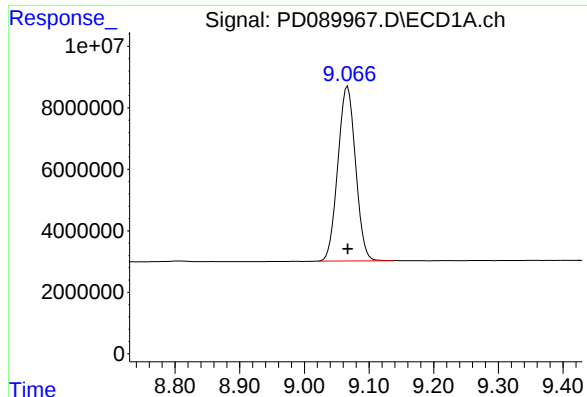
Signal: PD089967.D\ECD2B.ch

#22 Mirex



R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 518743093
Conc: 26.47 ng/ml

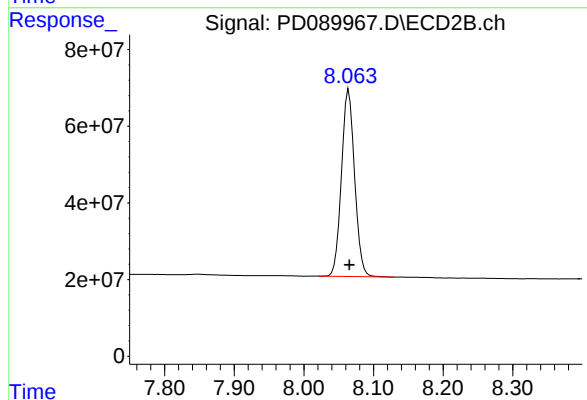
Time



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 107897140
Conc: 26.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 640071285
Conc: 25.62 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089968.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:20
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.878	16065440	129.4E6	5.590	6.094
28) SA Decachlor...	9.067	8.065	25801787	155.5E6	6.221	6.226
Target Compounds						
2) A alpha-BHC	3.997	3.390	27689483	192.5E6	4.557	5.833 #
3) MA gamma-BHC...	4.327	3.726	27783687	175.0E6	4.844	5.759
4) MA Heptachlor	4.926	4.079	28651817	180.5E6	5.146	5.961
5) MB Aldrin	5.267	4.364	27130728	174.4E6	5.015	5.901
6) B beta-BHC	4.514	4.022	12521184	78570415	5.728	6.118
7) B delta-BHC	4.762	4.258	24636234	179.7E6	4.700	5.866
8) B Heptachlo...	5.687	4.868	27455928	164.2E6	5.728	6.147
9) A Endosulfan I	6.070	5.242	24467519	153.5E6	5.362	6.054
10) B gamma-Chl...	5.942	5.119	25139793	170.4E6	5.175	5.934m
11) B alpha-Chl...	6.023	5.186	25914299	167.0E6	5.319	6.064
12) B 4,4'-DDE	6.192	5.370	21656627	167.1E6	4.917	5.991
13) MA Dieldrin	6.343	5.508	24691118	170.6E6	5.047	6.013
14) MA Endrin	6.570	5.784	21007159	160.5E6	5.046	6.244
15) B Endosulfa...	6.783	6.075	23208965	149.8E6	5.606	6.129
16) A 4,4'-DDD	6.701	5.924	17428370	138.9E6	5.041	5.948
17) MA 4,4'-DDT	7.017	6.178	19019653	137.0E6	4.963	5.518
18) B Endrin al...	6.912	6.254	16031744	101.8E6	5.746	6.156
19) B Endosulfa...	7.146	6.477	21213506	144.5E6	5.488	6.149
20) A Methoxychlor	7.490	6.749	11045859	75653976	5.571	5.986
21) B Endrin ke...	7.627	6.986	22056097	156.0E6	5.378	6.023
22) Mirex	8.110	7.179	19074932	127.3E6	6.296	6.493

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:20
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

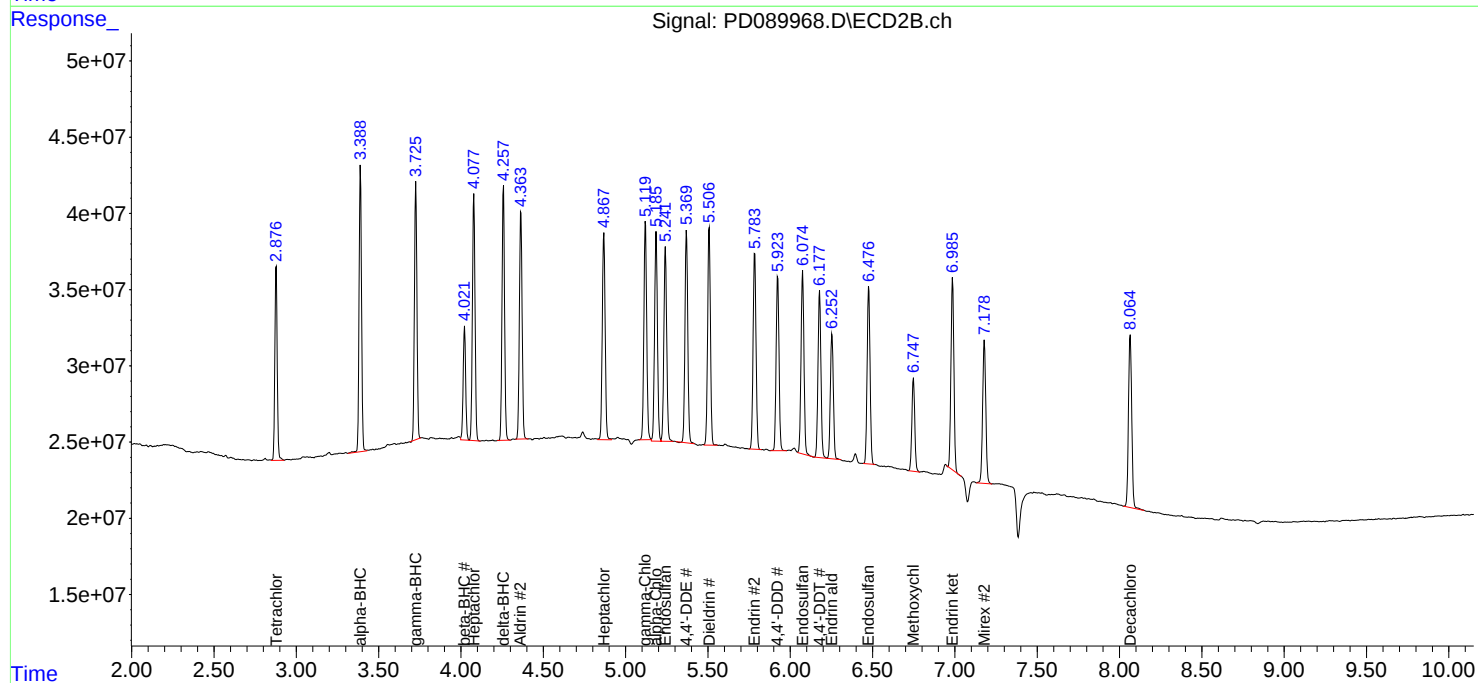
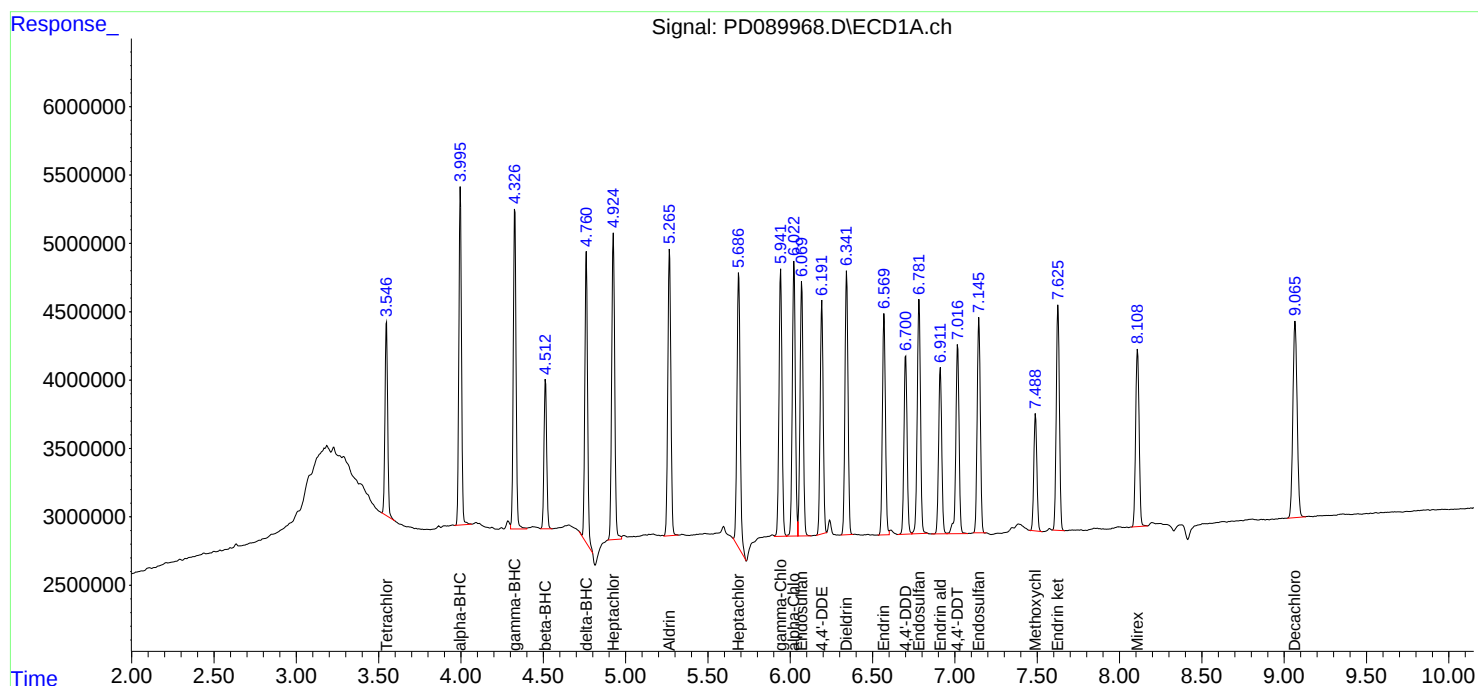
APPROVED

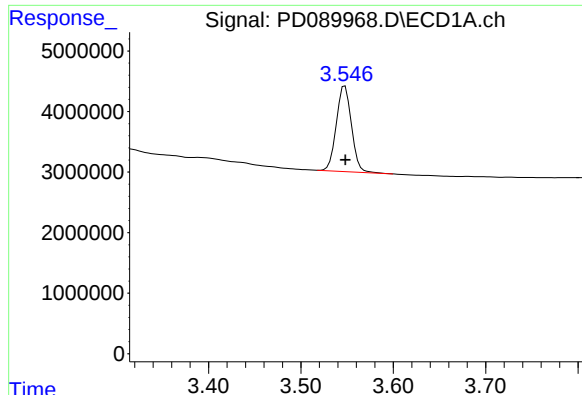
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 16065440
Conc: 5.59 ng/ml

Instrument :

ECD_D

ClientSampleId :

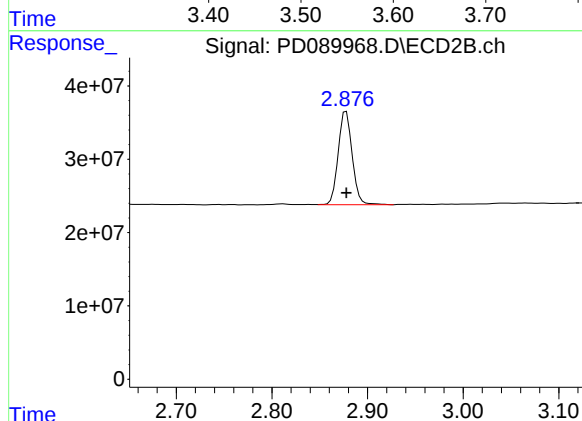
PSTDICC005

Manual Integrations

APPROVED

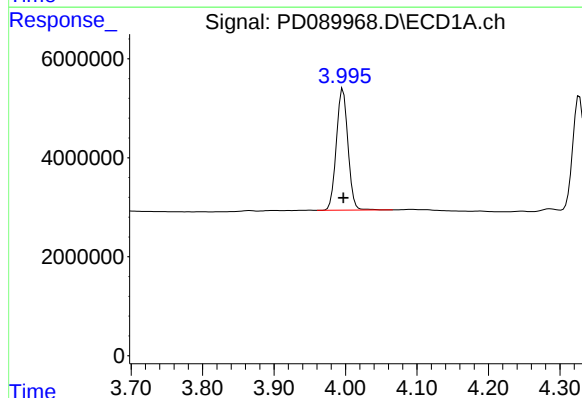
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025



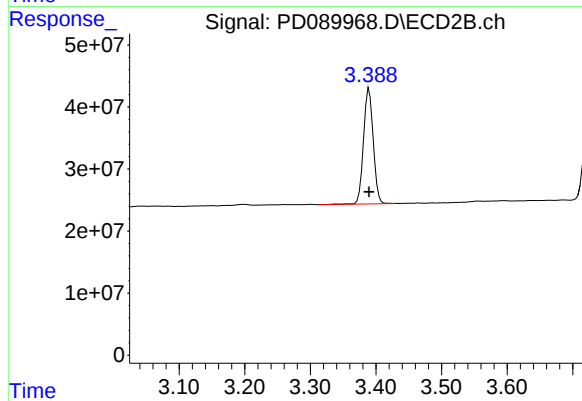
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 129358921
Conc: 6.09 ng/ml



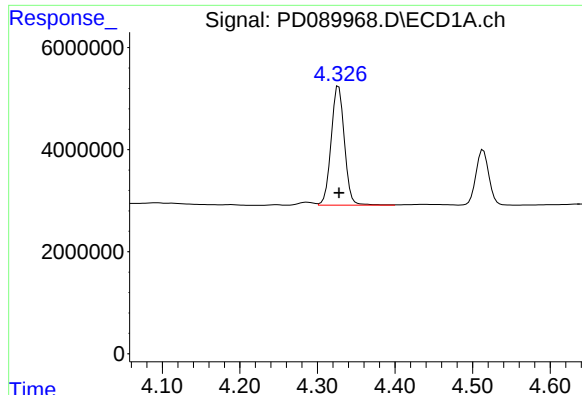
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 27689483
Conc: 4.56 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 192543619
Conc: 5.83 ng/ml



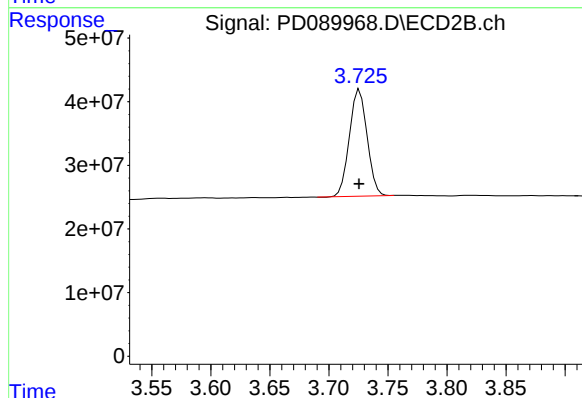
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 27783687
Conc: 4.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

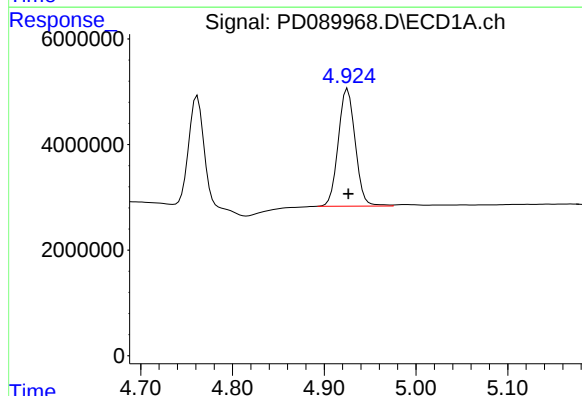
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



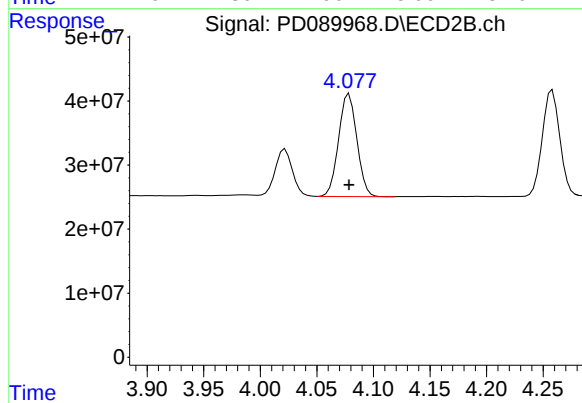
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 175006039
Conc: 5.76 ng/ml



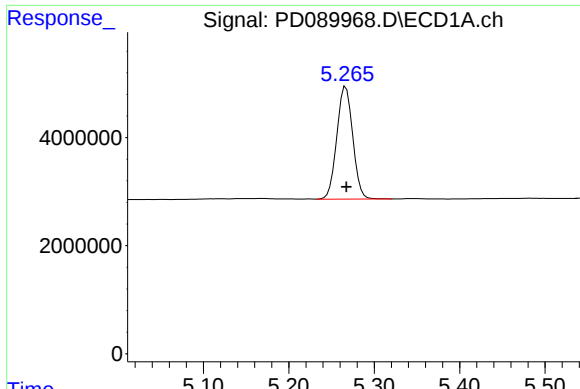
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: 0.000 min
Response: 28651817
Conc: 5.15 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 180522482
Conc: 5.96 ng/ml



#5 Aldrin

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 27130728
Conc: 5.01 ng/ml

Instrument :

ECD_D

ClientSampleId :

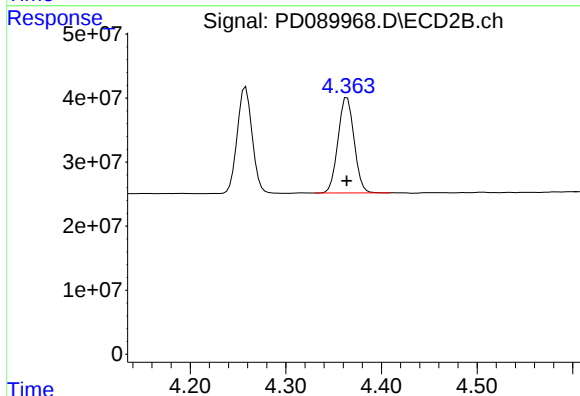
PSTDICC005

Manual Integrations

APPROVED

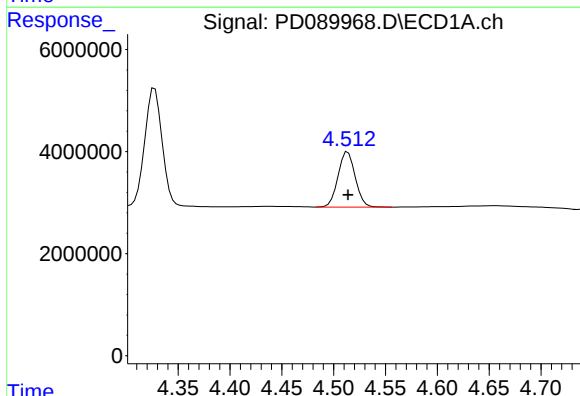
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025



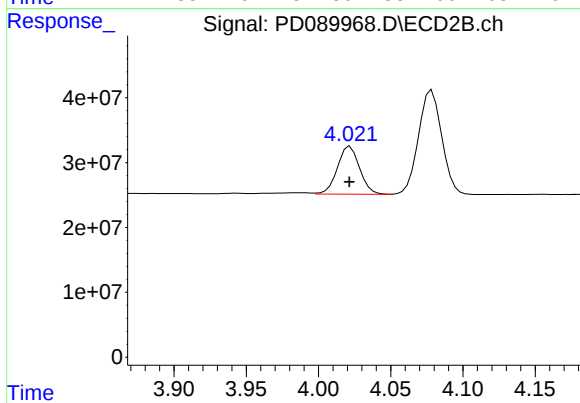
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 174352427
Conc: 5.90 ng/ml



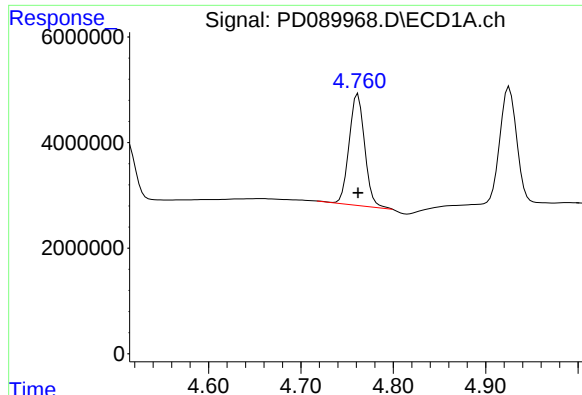
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 12521184
Conc: 5.73 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 78570415
Conc: 6.12 ng/ml



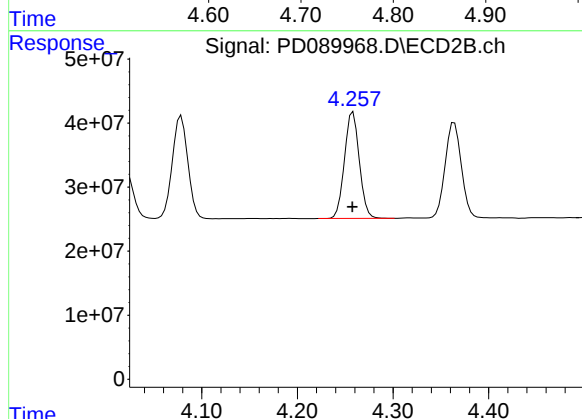
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 24636234
Conc: 4.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

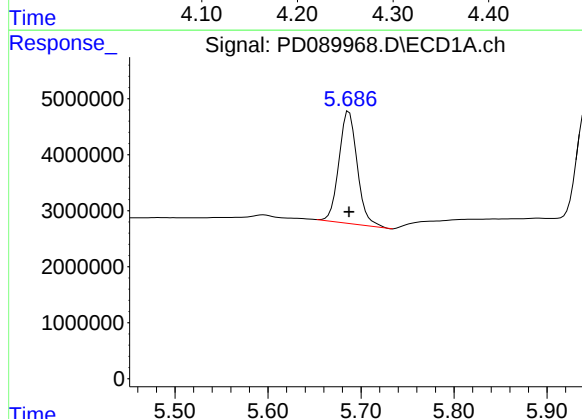
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



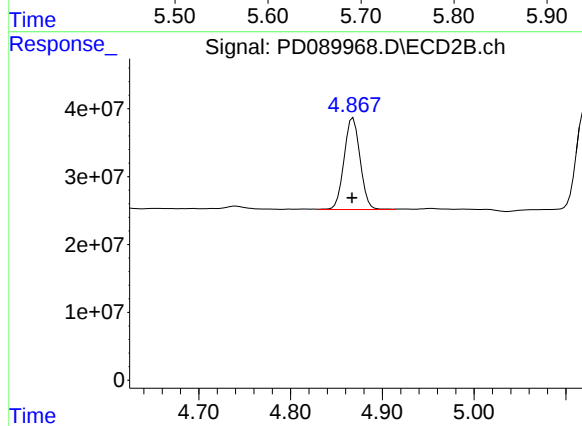
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 179681743
Conc: 5.87 ng/ml



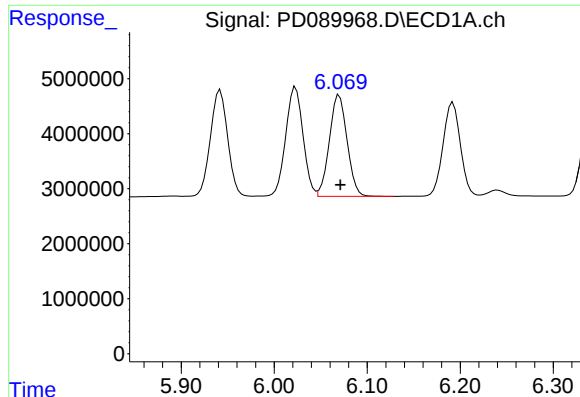
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 27455928
Conc: 5.73 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.001 min
Response: 164167397
Conc: 6.15 ng/ml



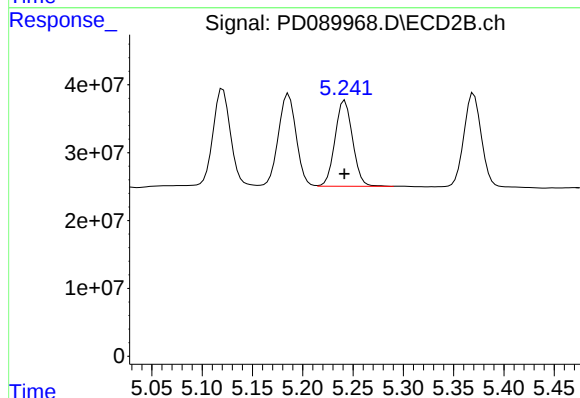
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: -0.001 min
Response: 24467519
Conc: 5.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

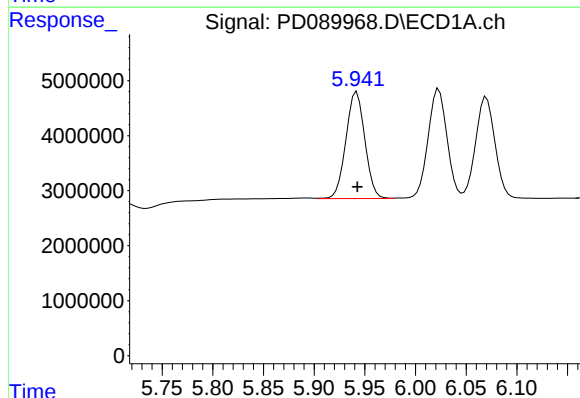
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



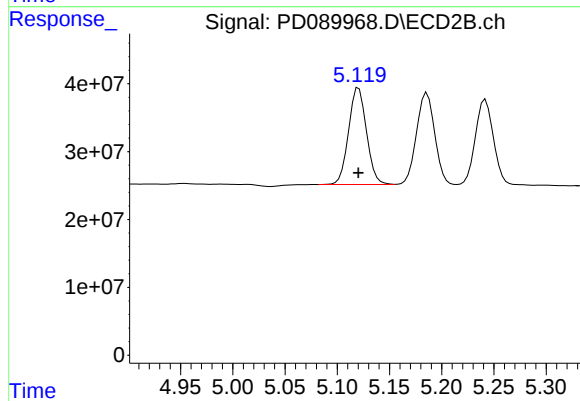
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 153509369
Conc: 6.05 ng/ml



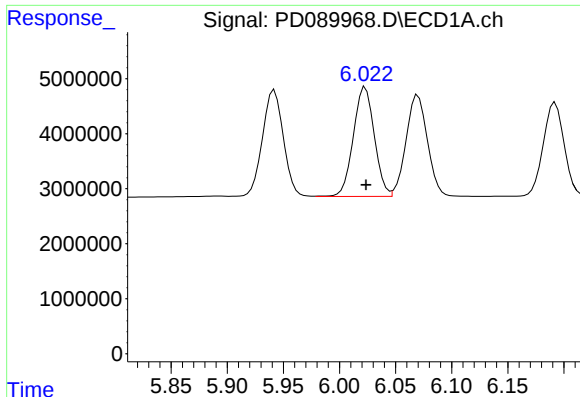
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 25139793
Conc: 5.18 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.001 min
Response: 170425651
Conc: 5.93 ng/ml m



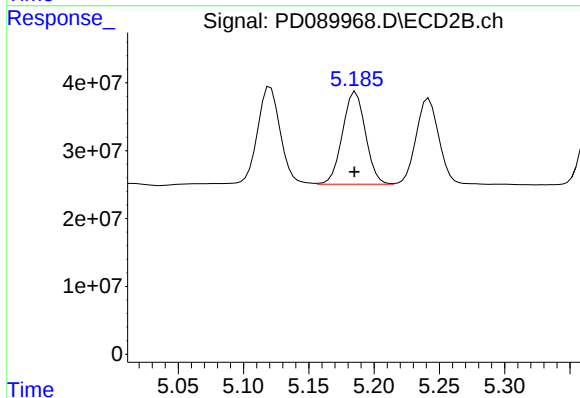
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 25914299
Conc: 5.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

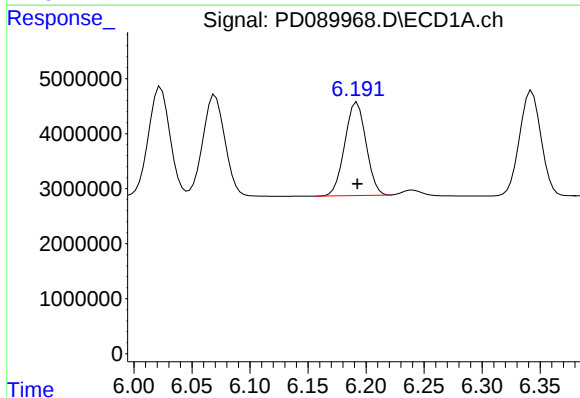
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



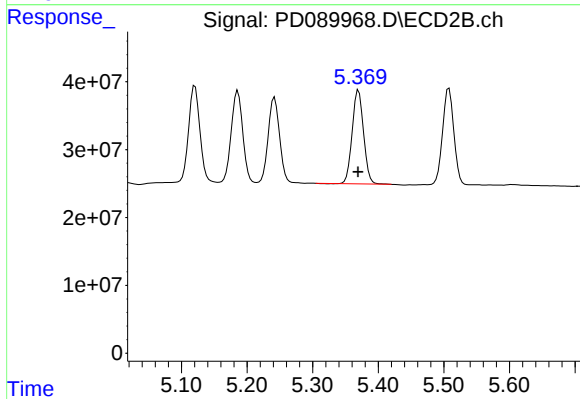
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.001 min
Response: 166965182
Conc: 6.06 ng/ml



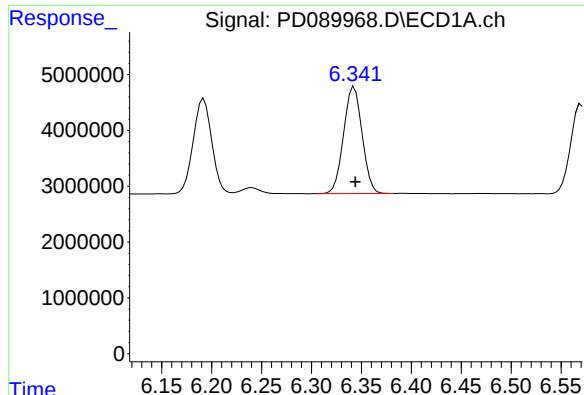
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 21656627
Conc: 4.92 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 167080831
Conc: 5.99 ng/ml



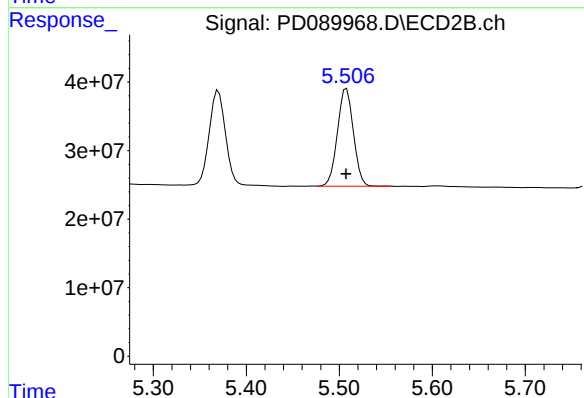
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 24691118
Conc: 5.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

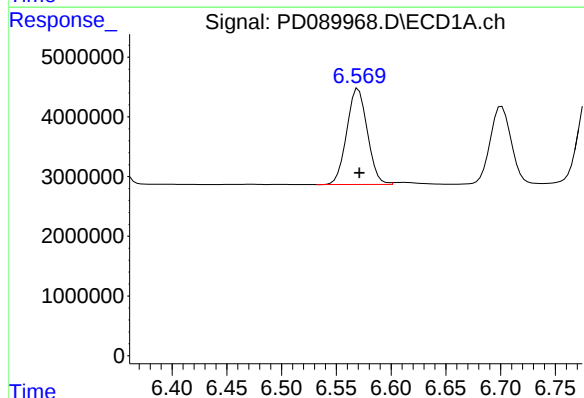
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



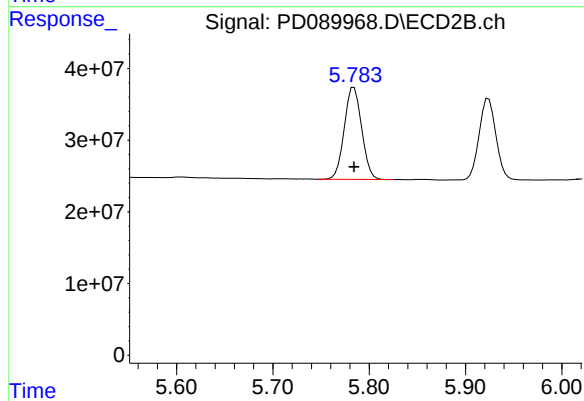
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 170612697
Conc: 6.01 ng/ml



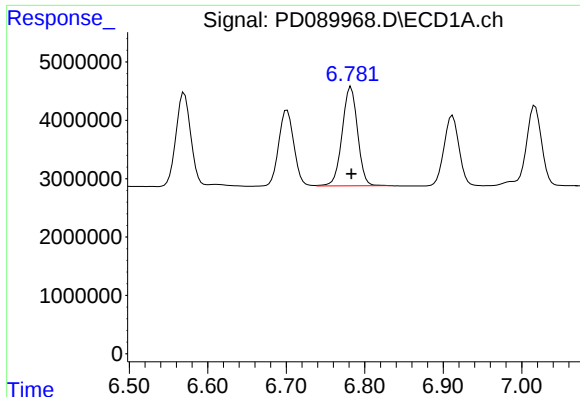
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 21007159
Conc: 5.05 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 160533950
Conc: 6.24 ng/ml



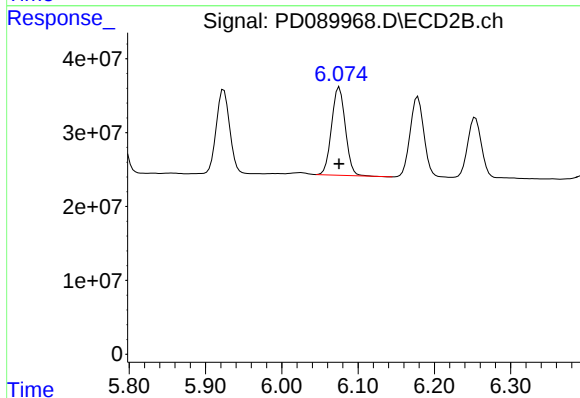
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 23208965
Conc: 5.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

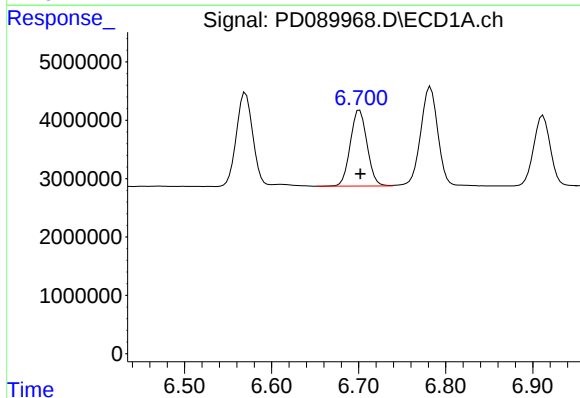
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



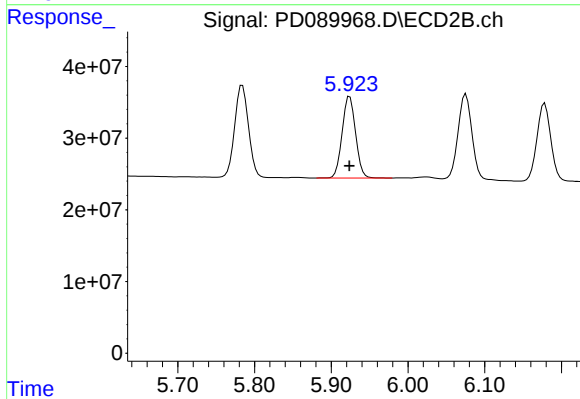
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 149769774
Conc: 6.13 ng/ml



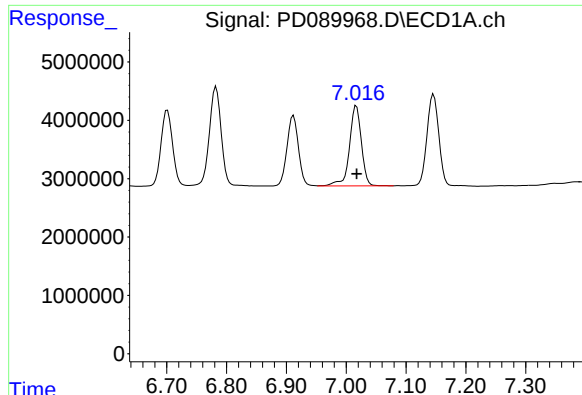
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 17428370
Conc: 5.04 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 138868628
Conc: 5.95 ng/ml



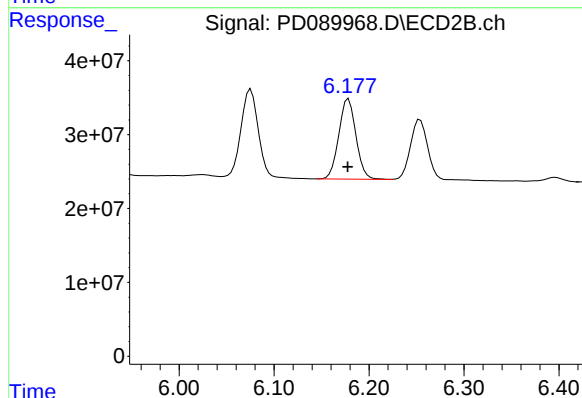
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 19019653
Conc: 4.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

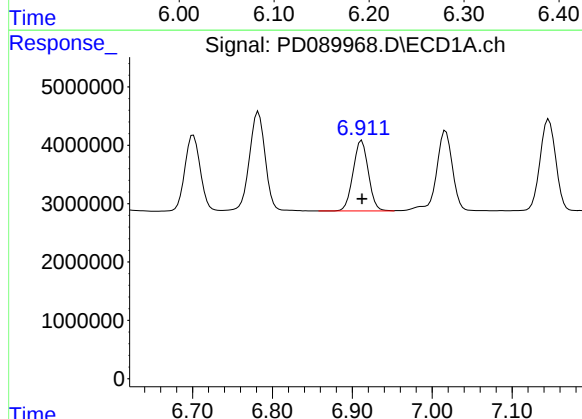
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



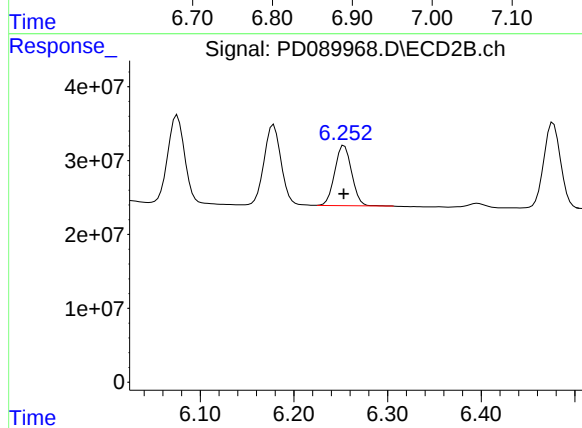
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 136995889
Conc: 5.52 ng/ml



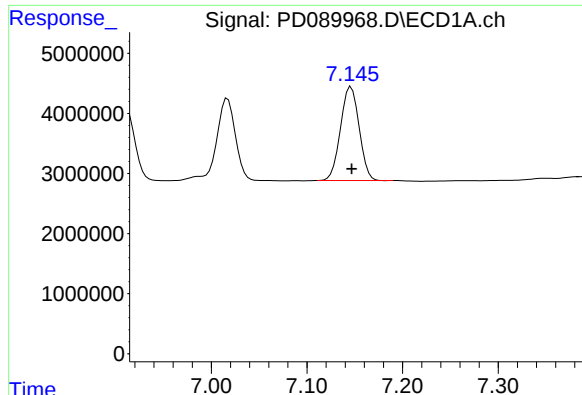
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 16031744
Conc: 5.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 101826336
Conc: 6.16 ng/ml



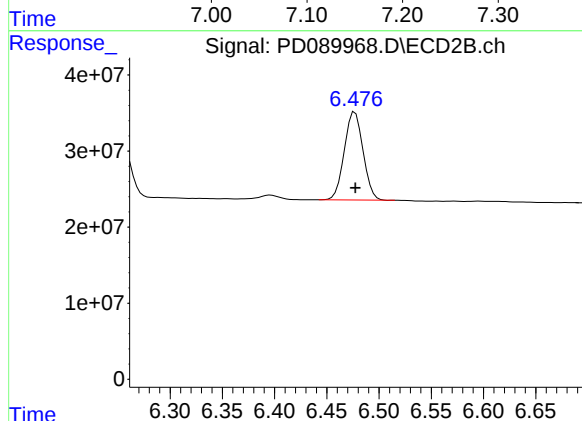
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 21213506
Conc: 5.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

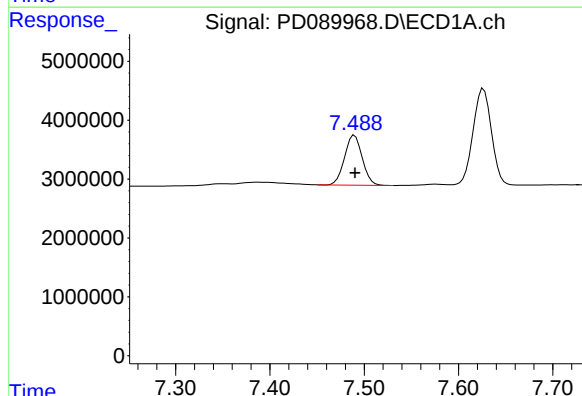
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



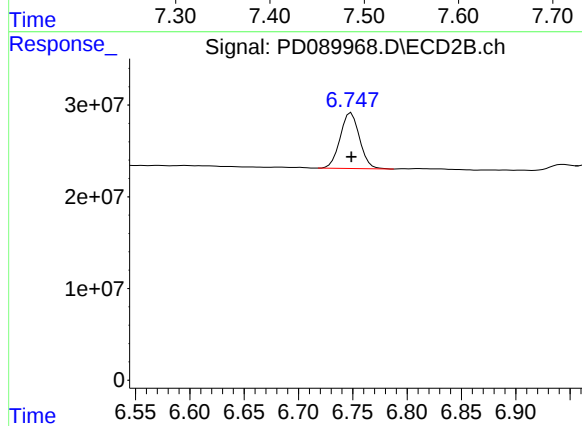
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 144459848
Conc: 6.15 ng/ml



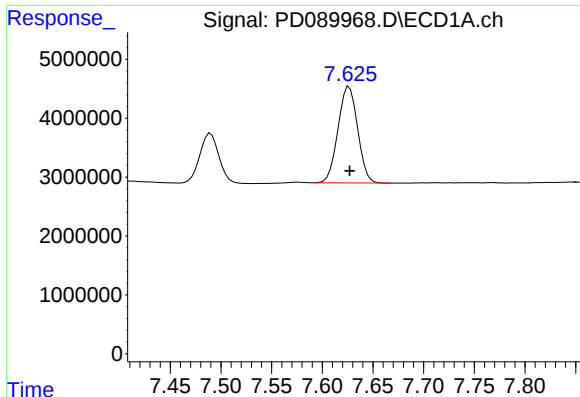
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 11045859
Conc: 5.57 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 75653976
Conc: 5.99 ng/ml



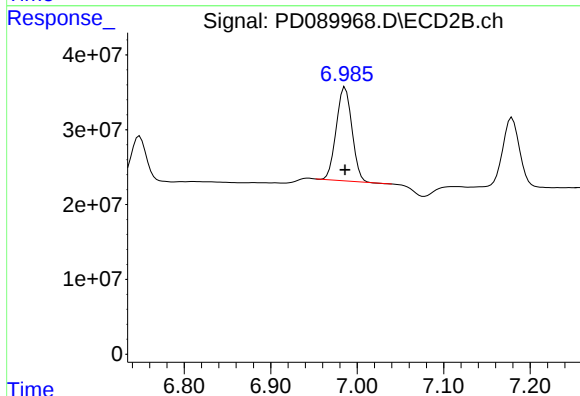
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 22056097
Conc: 5.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

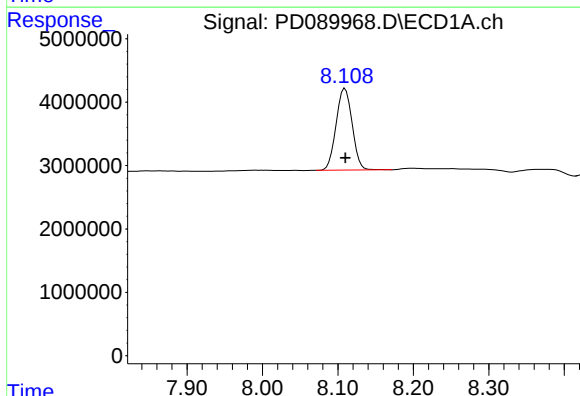
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



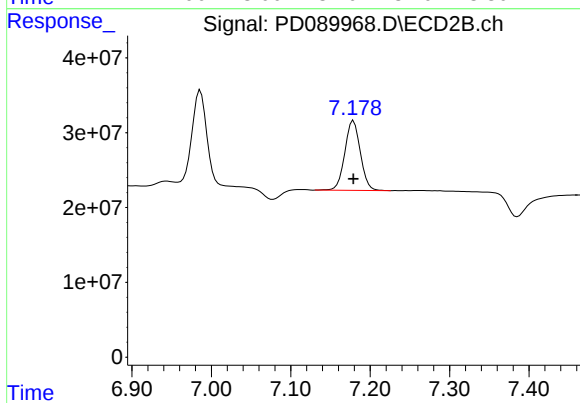
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 156023108
Conc: 6.02 ng/ml



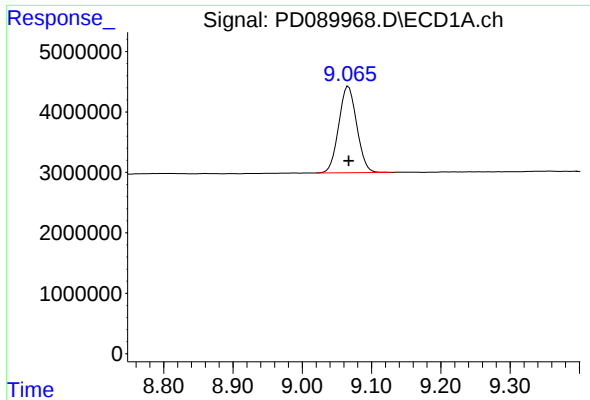
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 19074932
Conc: 6.30 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 127275637
Conc: 6.49 ng/ml



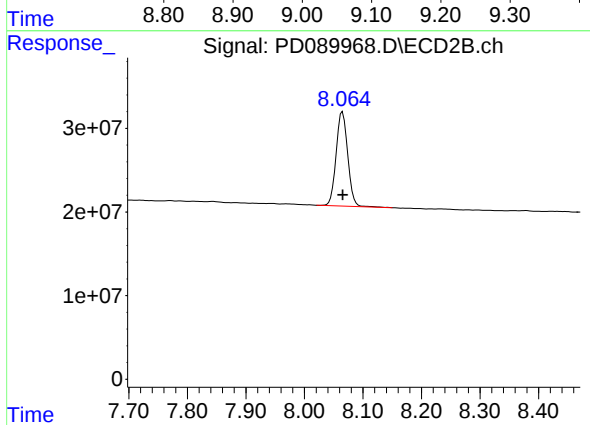
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 25801787
Conc: 6.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 155518428
Conc: 6.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081925\
 Data File : PD089988.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 11:24
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 13:03:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:03:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.876	109.8E6	1057.1E6	50.000	50.000
28)	SA Decachlor...	9.068	8.064	161.9E6	1032.7E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.713	3.901	92125896	474.3E6	500.000	500.000
24)	Chlordane-2	5.239	4.482	93180795	493.5E6	500.000	500.000
25)	Chlordane-3	5.944	5.120	366.6E6	1460.8E6	500.000	500.000
26)	Chlordane-4	6.029	5.184	446.2E6	1262.6E6	500.000	500.000
27)	Chlordane-5	6.868	6.084	75389263	588.3E6	500.000	500.000

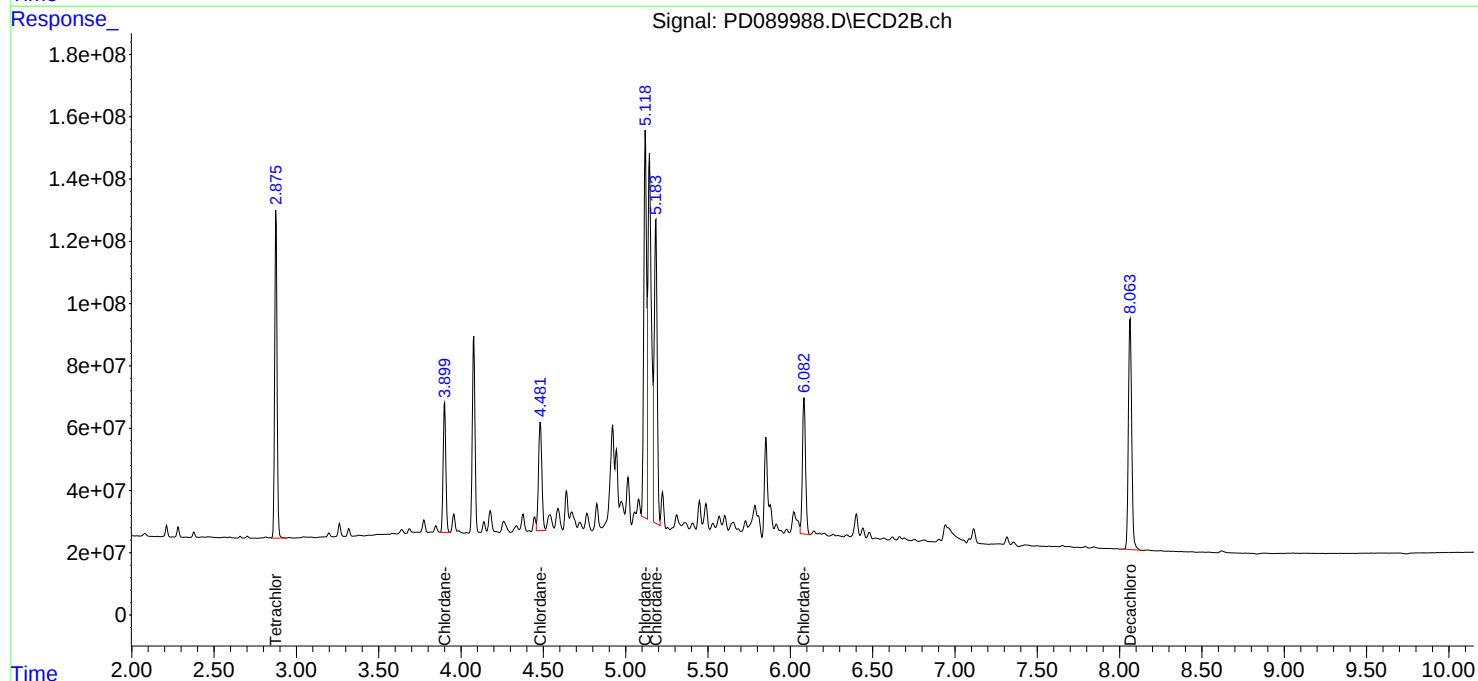
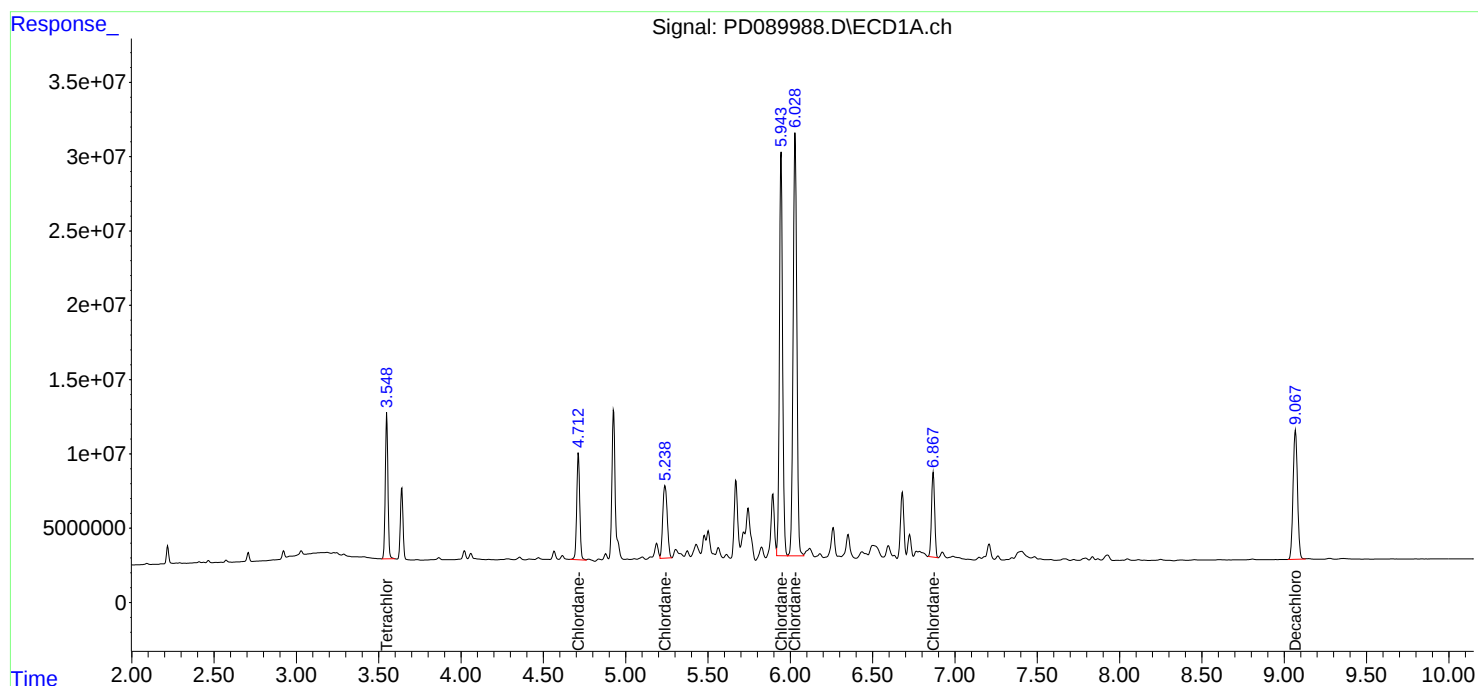
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

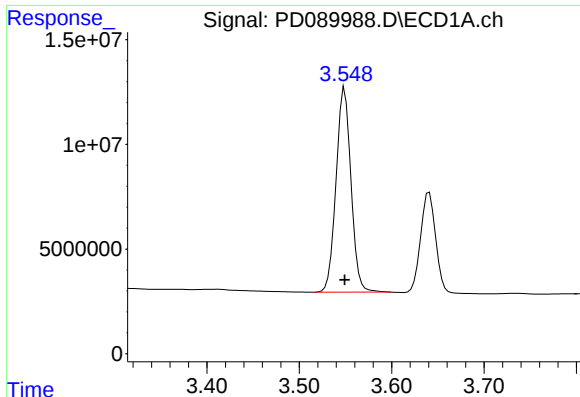
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081925\
Data File : PD089988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:24
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 13:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:03:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

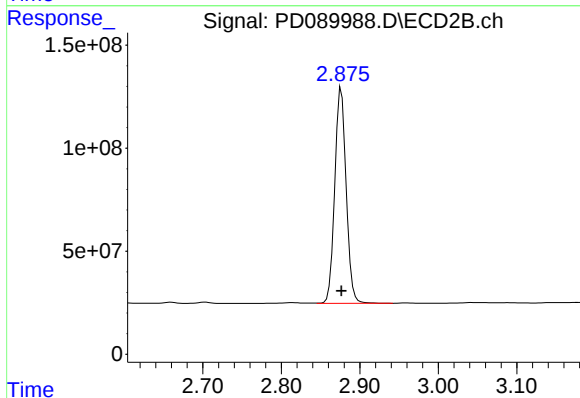




#1 Tetrachloro-m-xylene

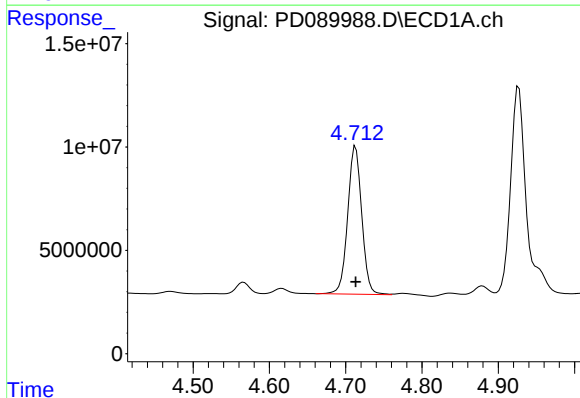
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 109813767
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



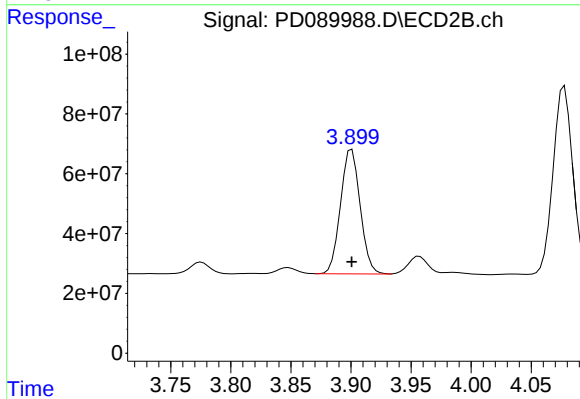
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1057096075
Conc: 50.00 ng/ml



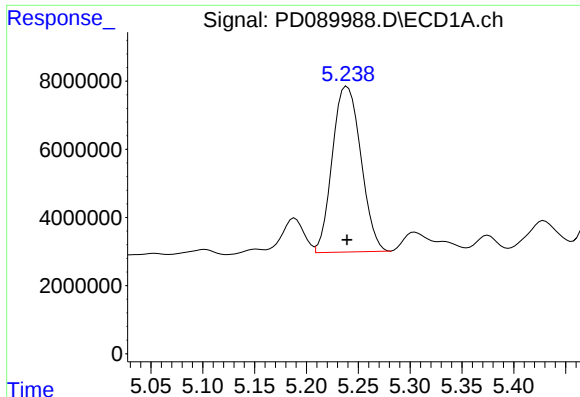
#23 Chlordane-1

R.T.: 4.713 min
Delta R.T.: 0.000 min
Response: 92125896
Conc: 500.00 ng/ml



#23 Chlordane-1

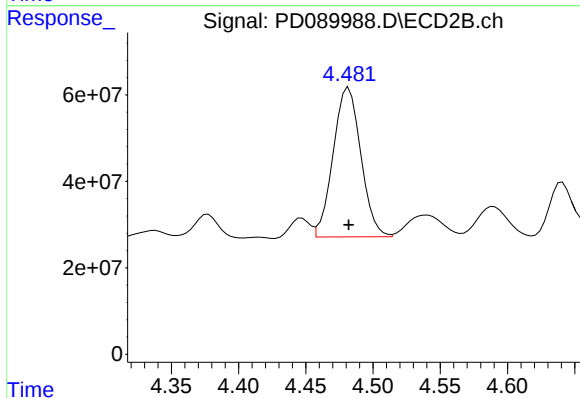
R.T.: 3.901 min
Delta R.T.: 0.000 min
Response: 474266214
Conc: 500.00 ng/ml



#24 Chlordane-2

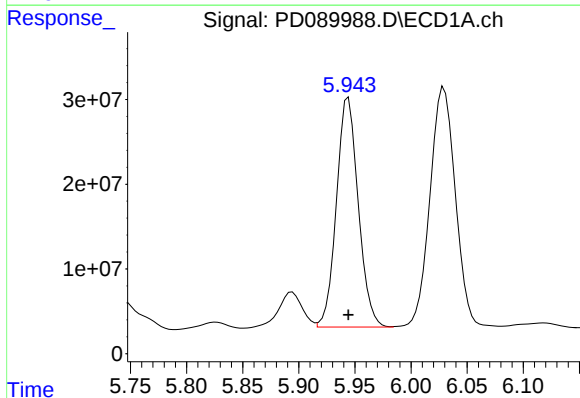
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 93180795
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



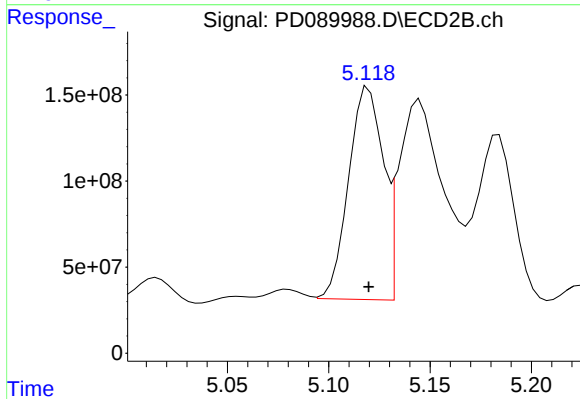
#24 Chlordane-2

R.T.: 4.482 min
Delta R.T.: 0.000 min
Response: 493523178
Conc: 500.00 ng/ml



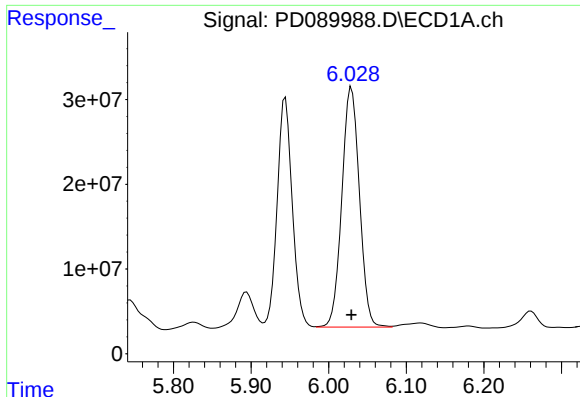
#25 Chlordane-3

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 366649042
Conc: 500.00 ng/ml



#25 Chlordane-3

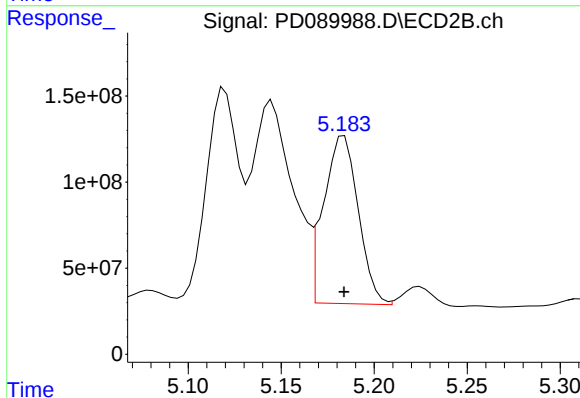
R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1460789048
Conc: 500.00 ng/ml



#26 Chlordane-4

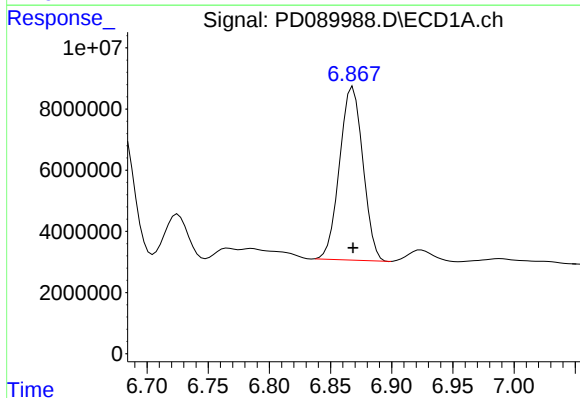
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 446160270
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



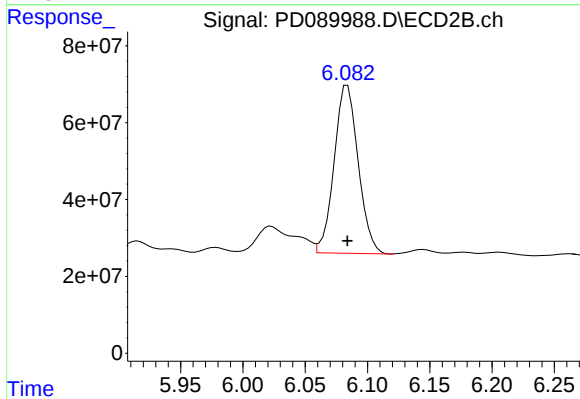
#26 Chlordane-4

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1262600245
Conc: 500.00 ng/ml



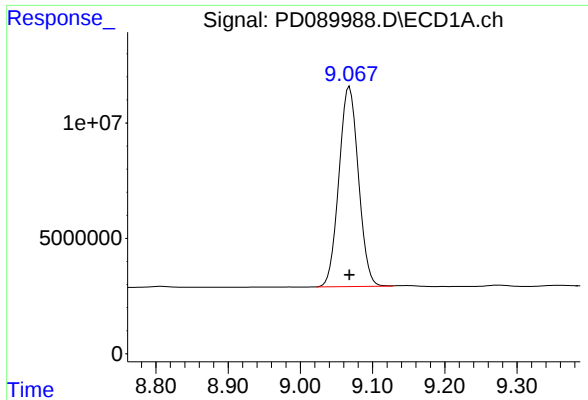
#27 Chlordane-5

R.T.: 6.868 min
Delta R.T.: 0.000 min
Response: 75389263
Conc: 500.00 ng/ml



#27 Chlordane-5

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 588291533
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

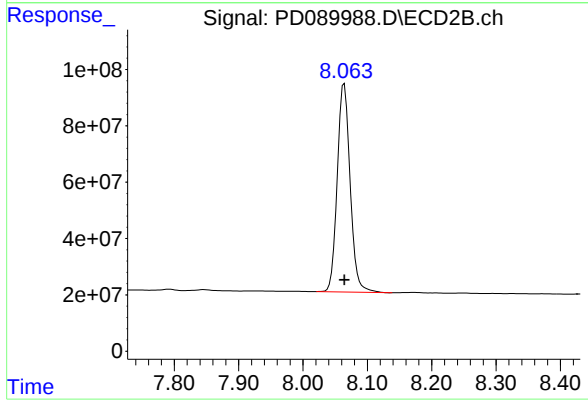
R.T.: 9.068 min

Delta R.T.: 0.000 min

Response: 161936087

Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.000 min

Response: 1032683856

Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089976.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 15:31
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:12:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:08:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.877	145.7E6	1084.7E6	50.000	50.000
7) SA Decachlor...	9.068	8.065	207.8E6	1279.0E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.238	5.469	20281150	109.4E6	500.000	500.000
3) Toxaphene-2	6.438	5.641	26758594	74686445	500.000	500.000
4) Toxaphene-3	7.145	6.750	50912911	362.1E6	500.000	500.000
5) Toxaphene-4	7.560	7.192	65189512	245.2E6	500.000	500.000
6) Toxaphene-5	7.925	7.323	37590653	180.8E6	500.000	500.000

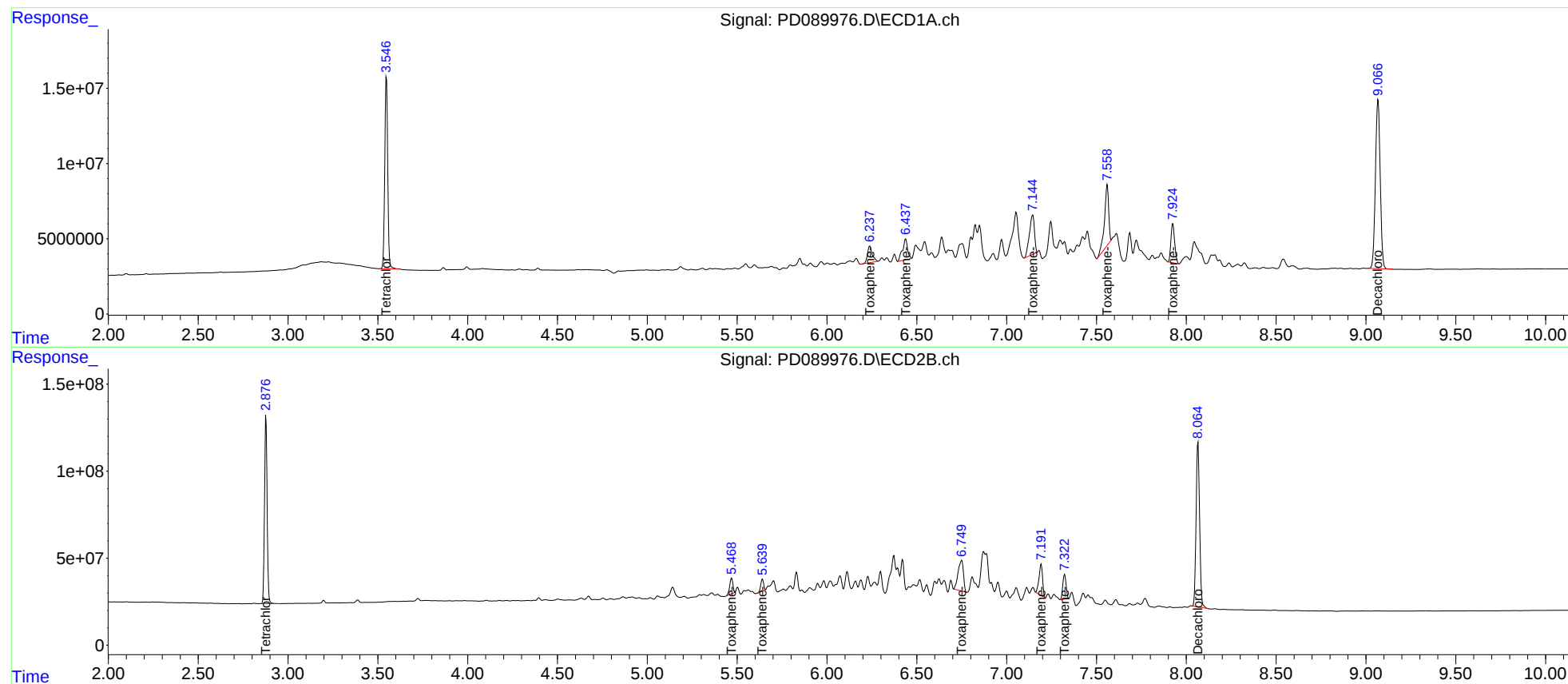
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

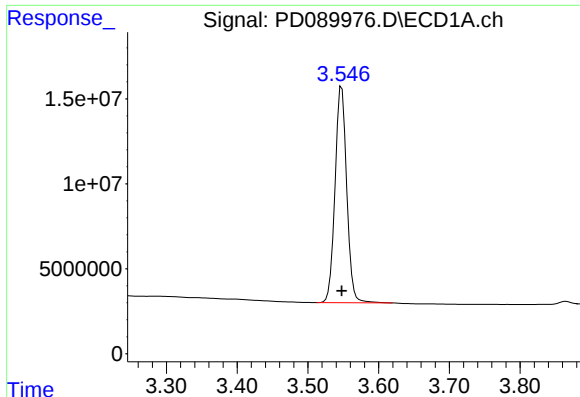
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 15:31
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampled :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:12:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:08:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

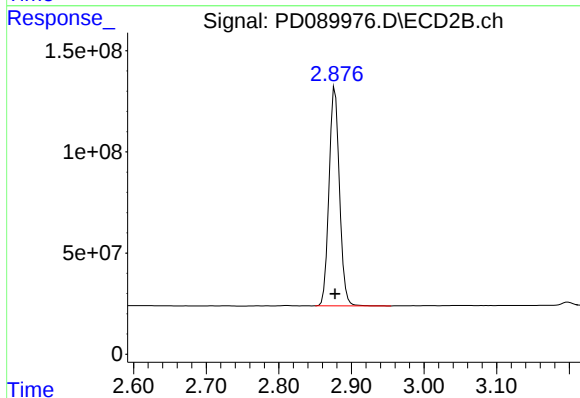




#1 Tetrachloro-m-xylene

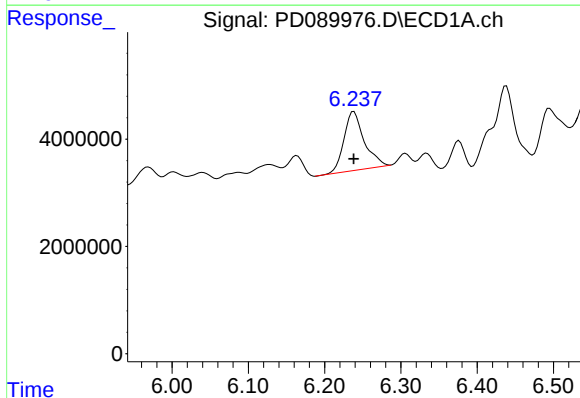
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 145735800
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



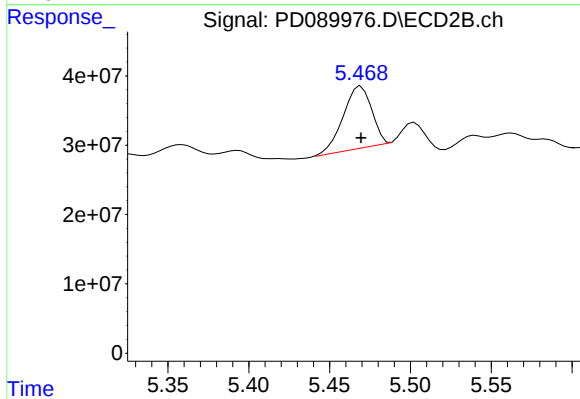
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 1084653622
Conc: 50.00 ng/ml



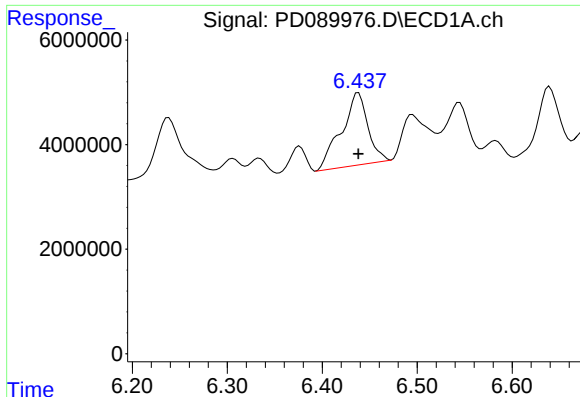
#2 Toxaphene-1

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 20281150
Conc: 500.00 ng/ml



#2 Toxaphene-1

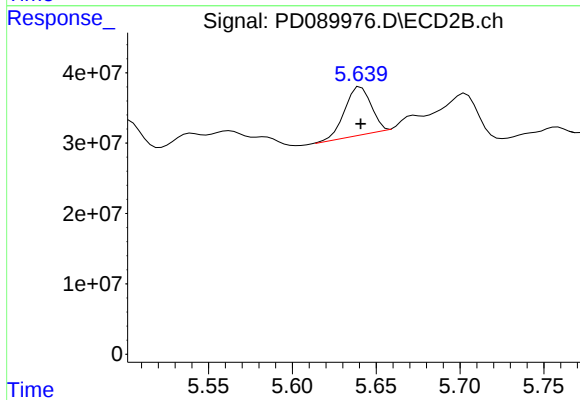
R.T.: 5.469 min
Delta R.T.: 0.000 min
Response: 109404826
Conc: 500.00 ng/ml



#3 Toxaphene-2

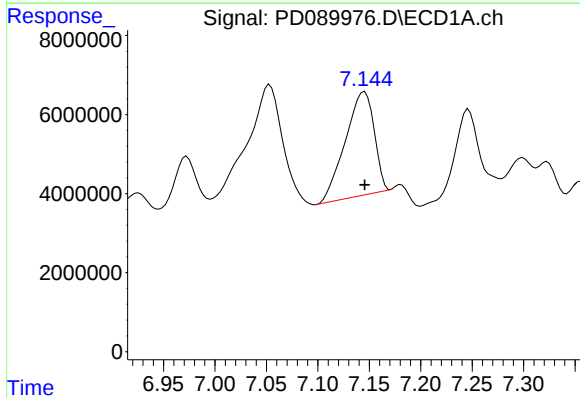
R.T.: 6.438 min
Delta R.T.: 0.000 min
Response: 26758594
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



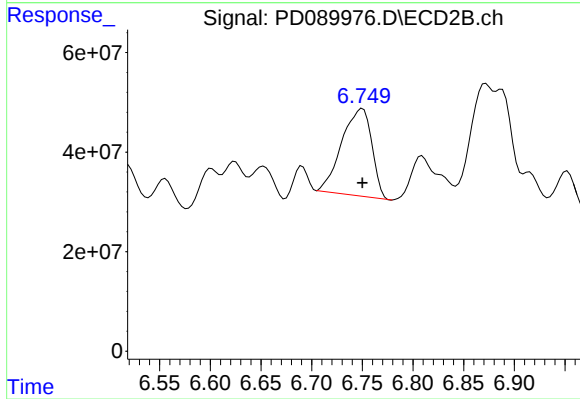
#3 Toxaphene-2

R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 74686445
Conc: 500.00 ng/ml



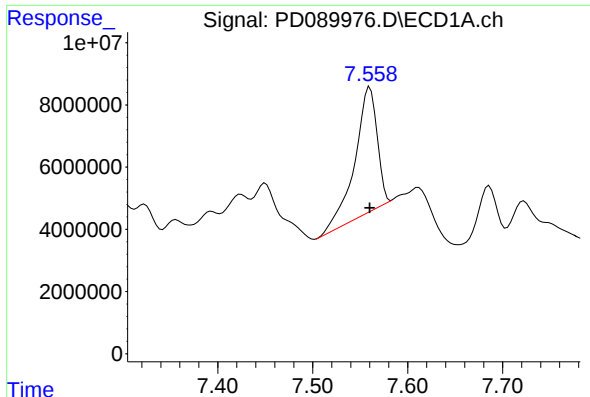
#4 Toxaphene-3

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 50912911
Conc: 500.00 ng/ml



#4 Toxaphene-3

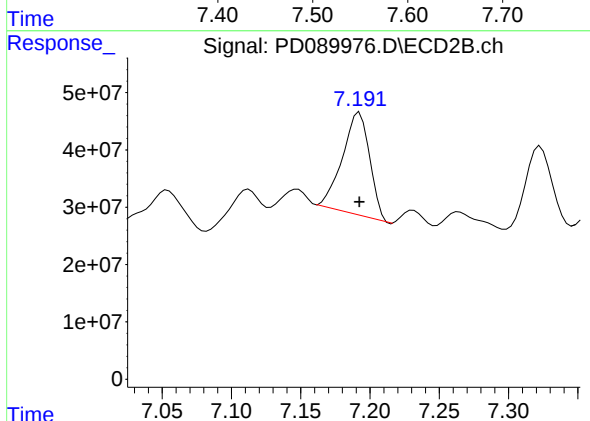
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 362084120
Conc: 500.00 ng/ml



#5 Toxaphene-4

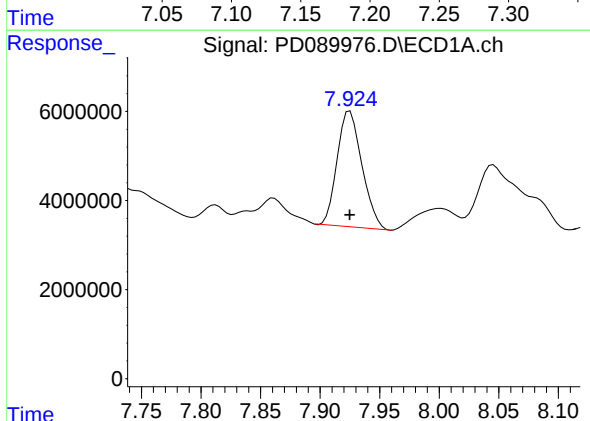
R.T.: 7.560 min
Delta R.T.: 0.000 min
Response: 65189512
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



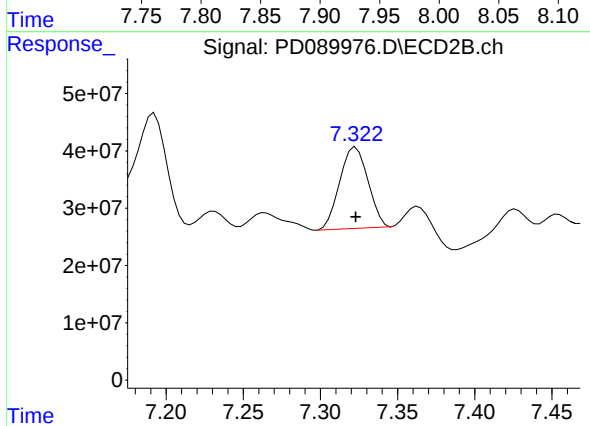
#5 Toxaphene-4

R.T.: 7.192 min
Delta R.T.: 0.000 min
Response: 245199618
Conc: 500.00 ng/ml



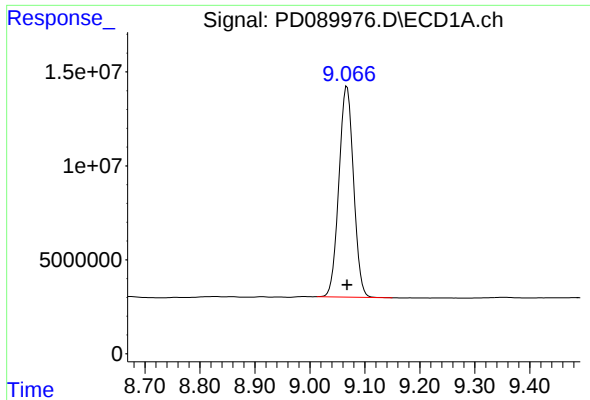
#6 Toxaphene-5

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 37590653
Conc: 500.00 ng/ml



#6 Toxaphene-5

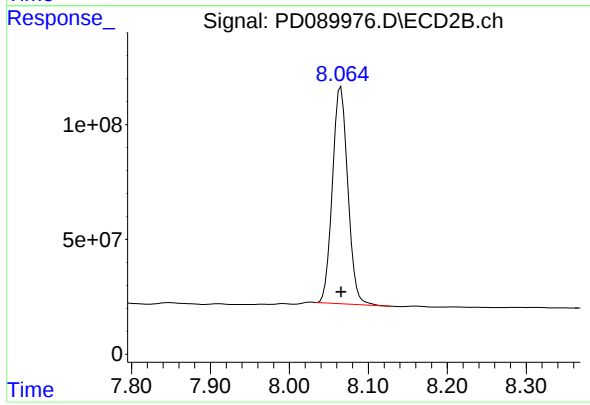
R.T.: 7.323 min
Delta R.T.: 0.000 min
Response: 180766665
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 207765608
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 1278996768
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089979.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:12
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD081825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:09:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:46:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	148.0E6	1104.8E6	50.425	50.101
28)	SA Decachlor...	9.066	8.065	215.0E6	1328.8E6	49.825	51.334
Target Compounds							
2)	A alpha-BHC	3.997	3.389	316.1E6	1719.4E6	52.658	50.663
3)	MA gamma-BHC...	4.327	3.725	299.8E6	1587.7E6	52.344	50.935
4)	MA Heptachlor	4.926	4.078	290.6E6	1584.9E6	51.814	50.812
5)	MB Aldrin	5.267	4.364	282.1E6	1549.9E6	52.098	50.892
6)	B beta-BHC	4.513	4.021	112.7E6	671.4E6	50.263	50.366
7)	B delta-BHC	4.762	4.258	282.2E6	1602.1E6	54.508	50.779
8)	B Heptachlo...	5.687	4.867	251.1E6	1398.4E6	51.180	50.493
9)	A Endosulfan I	6.071	5.242	235.3E6	1312.8E6	50.997	50.066
10)	B gamma-Chl...	5.942	5.120	251.4E6	1509.6E6	51.410	50.979
11)	B alpha-Chl...	6.023	5.185	251.3E6	1444.7E6	51.044	50.623
12)	B 4,4'-DDE	6.192	5.369	226.2E6	1468.4E6	51.553	50.945
13)	MA Dieldrin	6.343	5.507	252.2E6	1492.2E6	51.509	50.951
14)	MA Endrin	6.570	5.784	213.6E6	1370.2E6	51.548	51.448
15)	B Endosulfa...	6.782	6.075	213.5E6	1291.3E6	50.599	51.049
16)	A 4,4'-DDD	6.702	5.923	180.2E6	1235.1E6	52.097	51.367
17)	MA 4,4'-DDT	7.017	6.177	196.8E6	1313.1E6	51.657	52.376
18)	B Endrin al...	6.911	6.253	147.5E6	901.7E6	51.457	52.362
19)	B Endosulfa...	7.146	6.476	198.4E6	1242.6E6	50.637	50.967
20)	A Methoxychlor	7.489	6.748	101.2E6	670.7E6	50.479	52.013
21)	B Endrin ke...	7.626	6.985	211.8E6	1352.9E6	51.109	50.777
22)	Mirex	8.109	7.179	155.8E6	1047.3E6	49.396	50.704

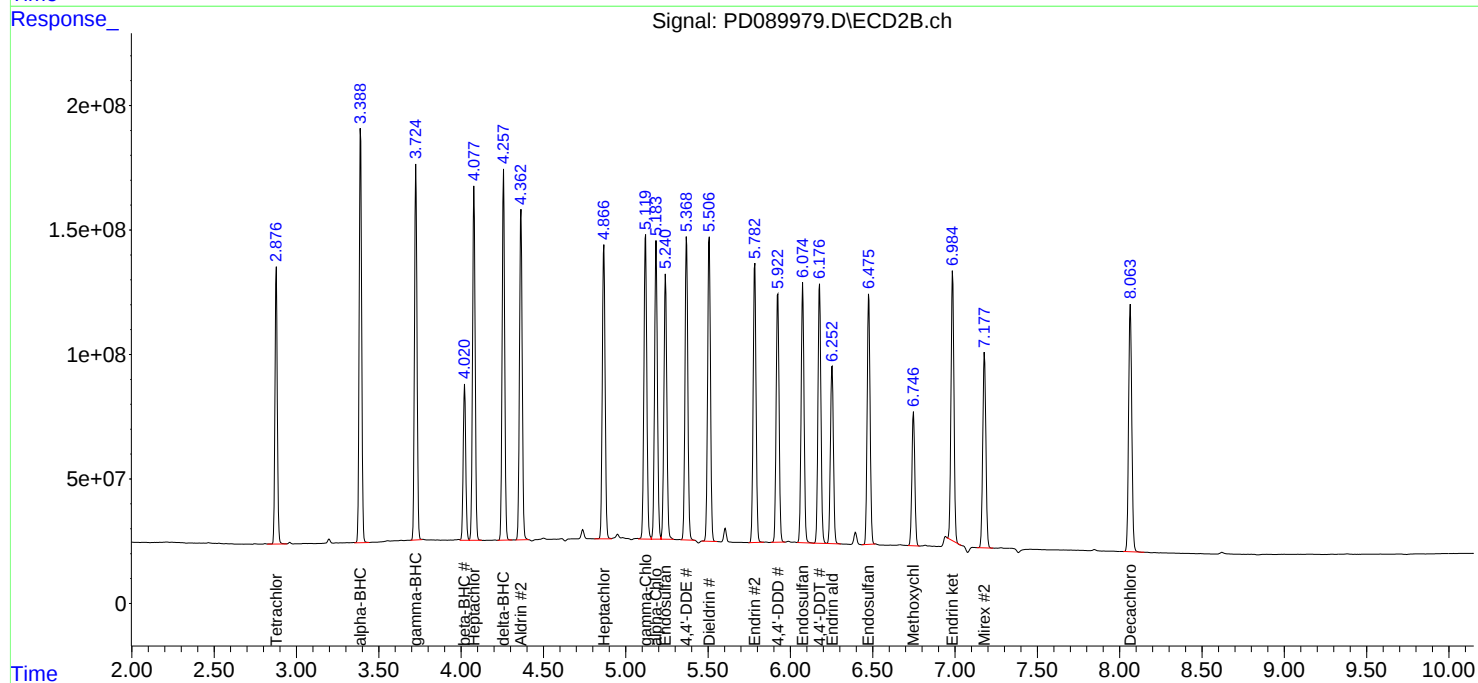
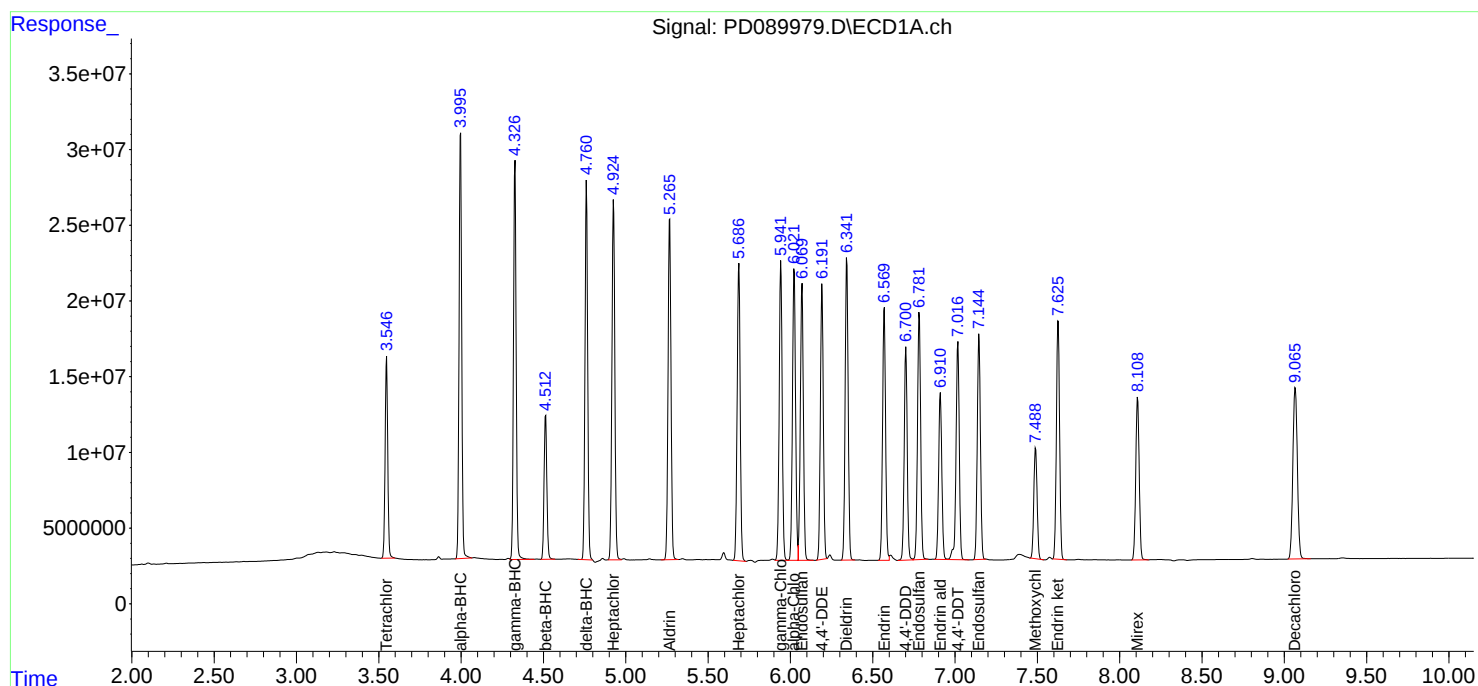
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

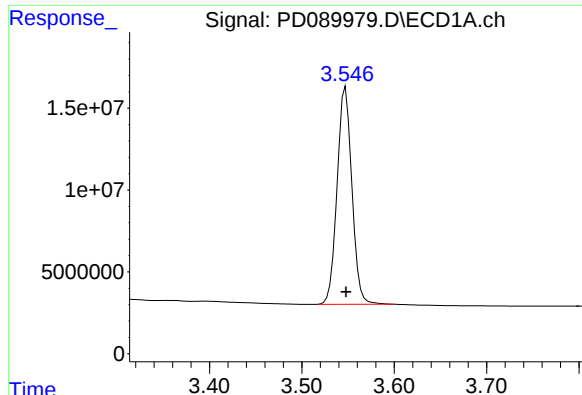
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:12
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD081825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:09:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:46:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

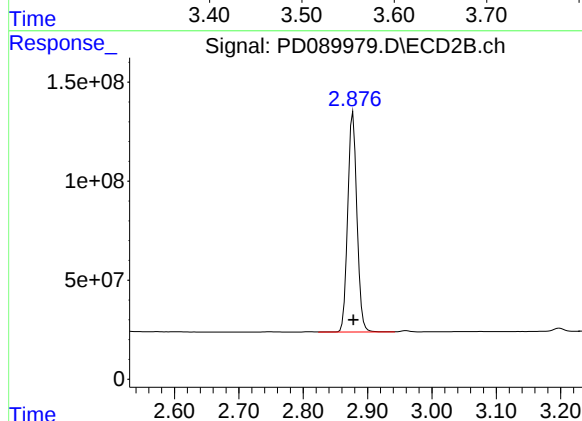




#1 Tetrachloro-m-xylene

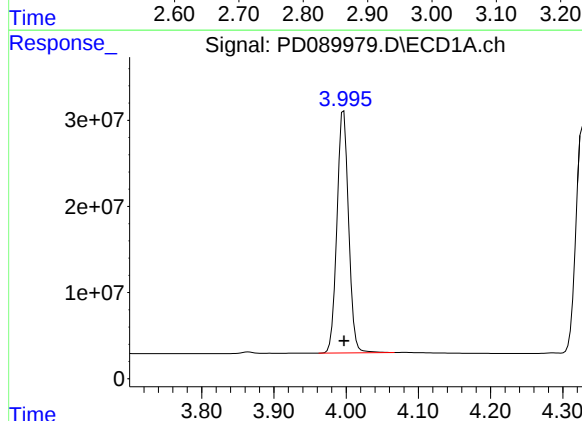
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 147988929
Conc: 50.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825



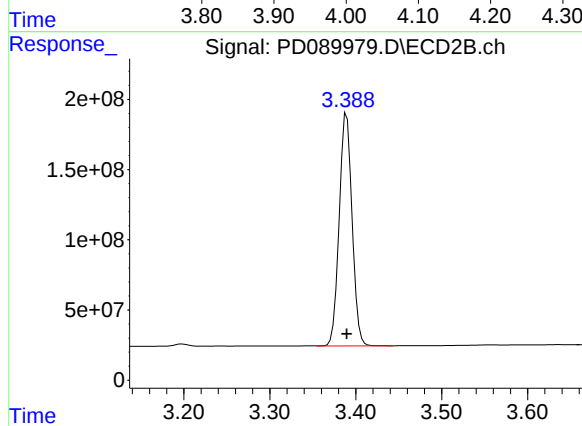
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 1104756002
Conc: 50.10 ng/ml



#2 alpha-BHC

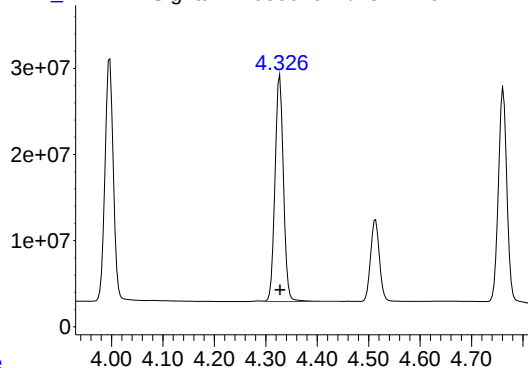
R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 316062693
Conc: 52.66 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1719442386
Conc: 50.66 ng/ml

Response_ Signal: PD089979.D\ECD1A.ch

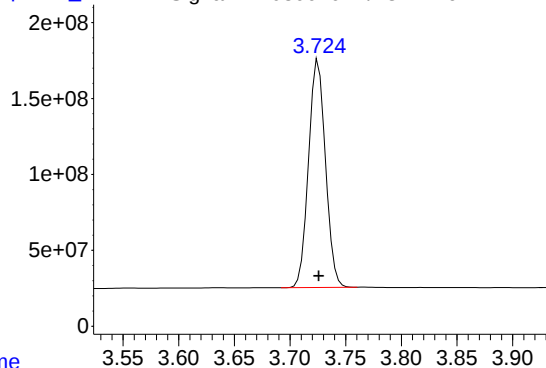


#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 299765820
Conc: 52.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825

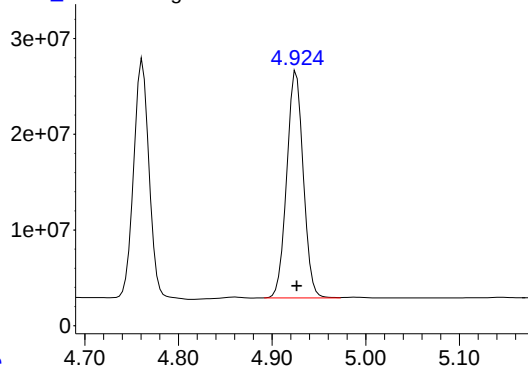
Time Response_ Signal: PD089979.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1587678506
Conc: 50.93 ng/ml

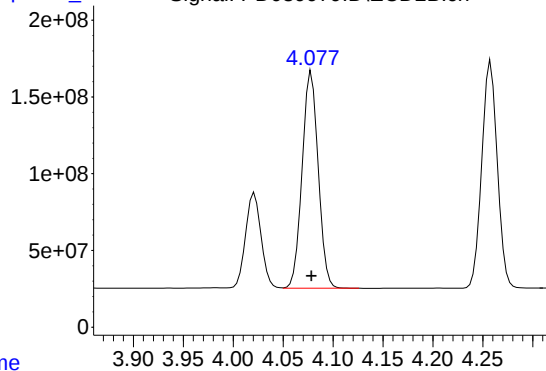
Time Response_ Signal: PD089979.D\ECD1A.ch



#4 Heptachlor

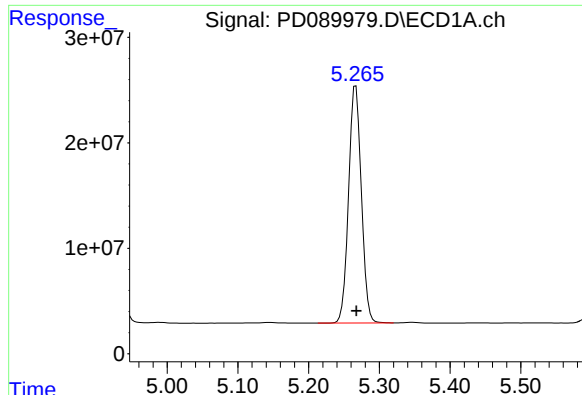
R.T.: 4.926 min
Delta R.T.: 0.000 min
Response: 290634798
Conc: 51.81 ng/ml

Time Response_ Signal: PD089979.D\ECD2B.ch



#4 Heptachlor

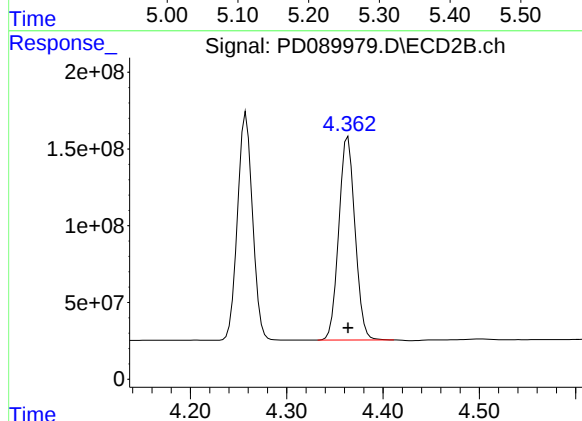
R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1584903915
Conc: 50.81 ng/ml



#5 Aldrin

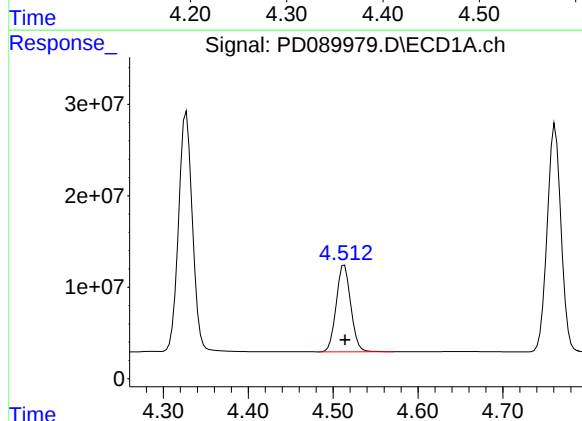
R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 282086471
Conc: 52.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825



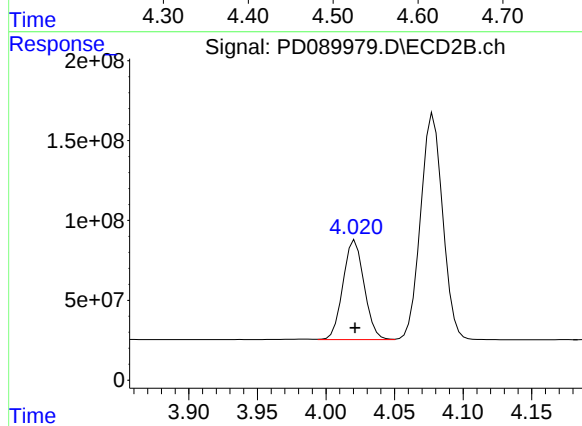
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1549947231
Conc: 50.89 ng/ml



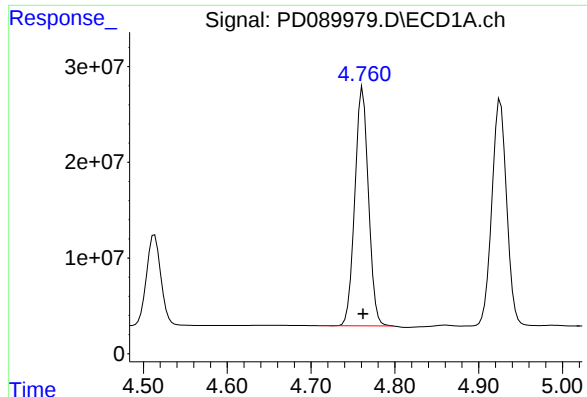
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 112740789
Conc: 50.26 ng/ml



#6 beta-BHC

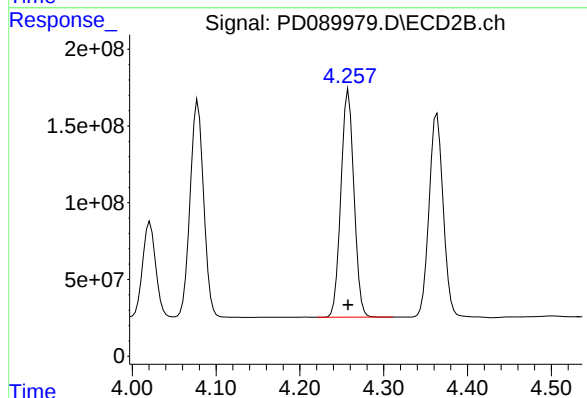
R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 671387901
Conc: 50.37 ng/ml



#7 delta-BHC

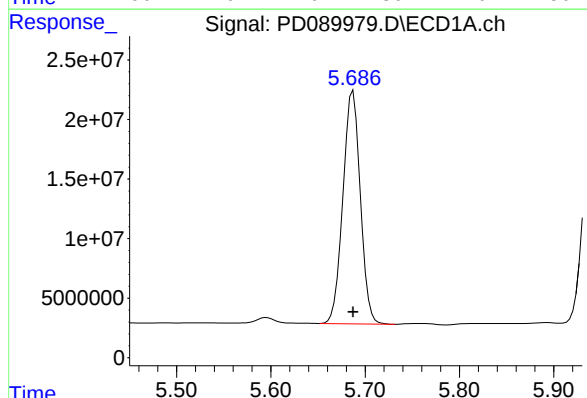
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 282226168
Conc: 54.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825



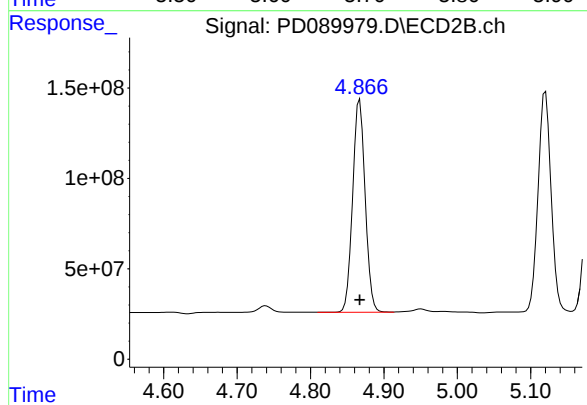
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1602079413
Conc: 50.78 ng/ml



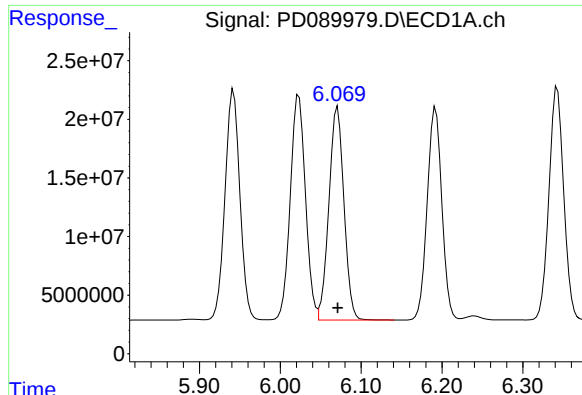
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 251128762
Conc: 51.18 ng/ml



#8 Heptachlor epoxide

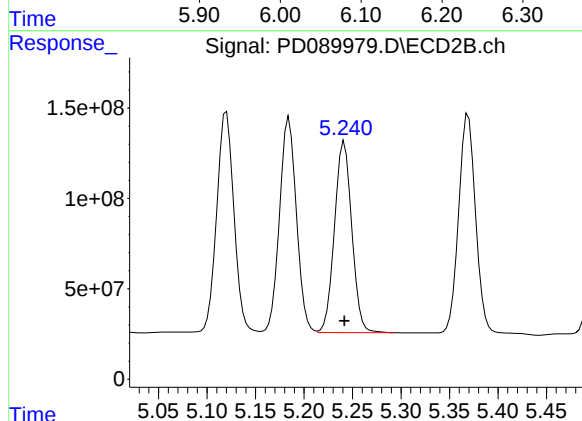
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1398405730
Conc: 50.49 ng/ml



#9 Endosulfan I

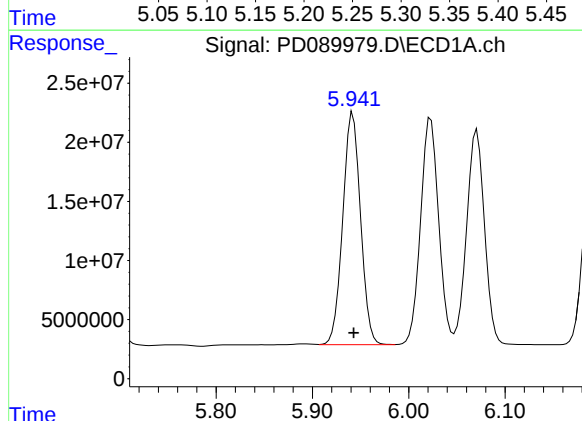
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 235345444
Conc: 51.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825



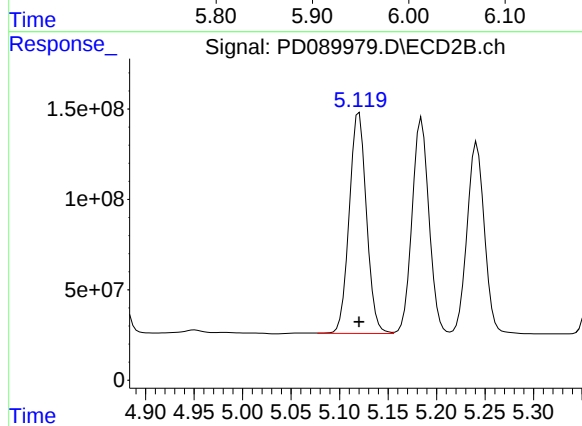
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1312818695
Conc: 50.07 ng/ml



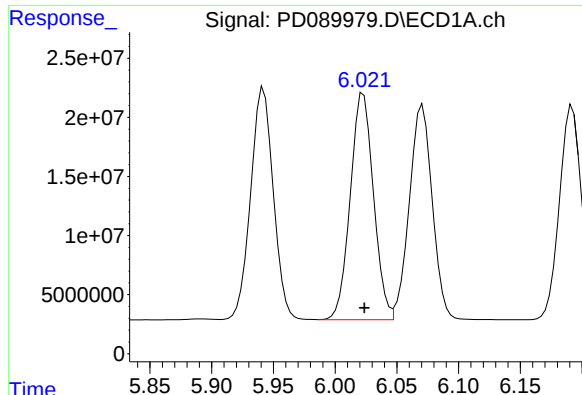
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 251446192
Conc: 51.41 ng/ml



#10 gamma-Chlordane

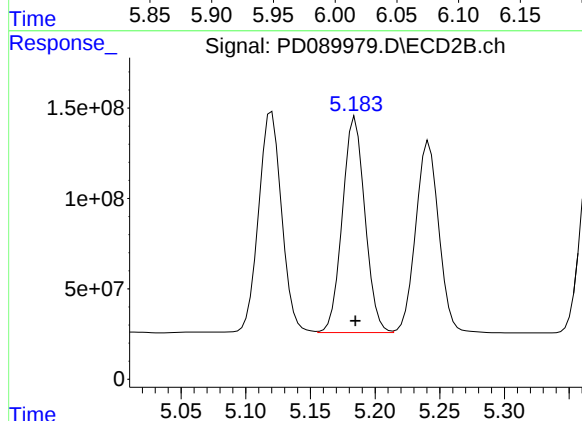
R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1509560074
Conc: 50.98 ng/ml



#11 alpha-Chlordane

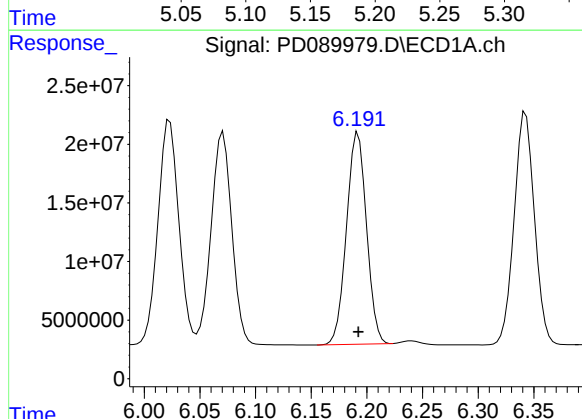
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 251259412
Conc: 51.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825



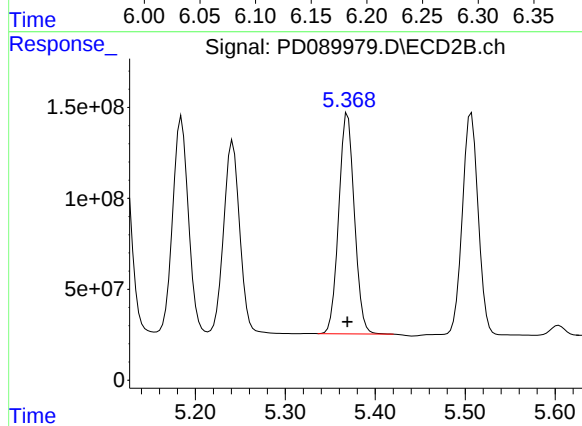
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1444691504
Conc: 50.62 ng/ml



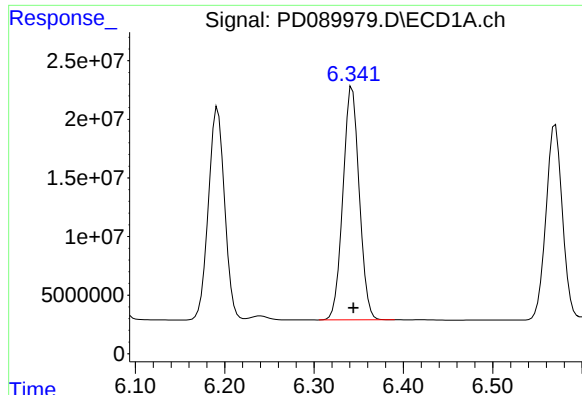
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 226230701
Conc: 51.55 ng/ml



#12 4,4'-DDE

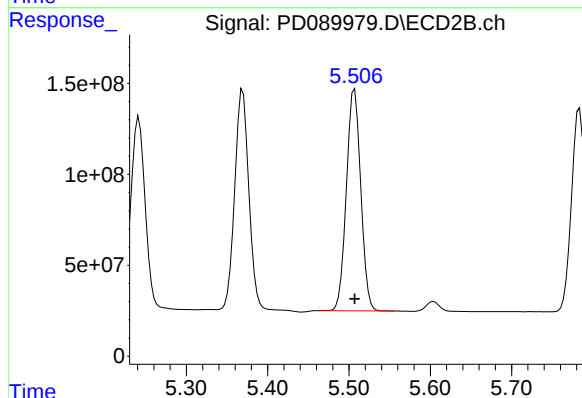
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1468384556
Conc: 50.95 ng/ml



#13 Dieldrin

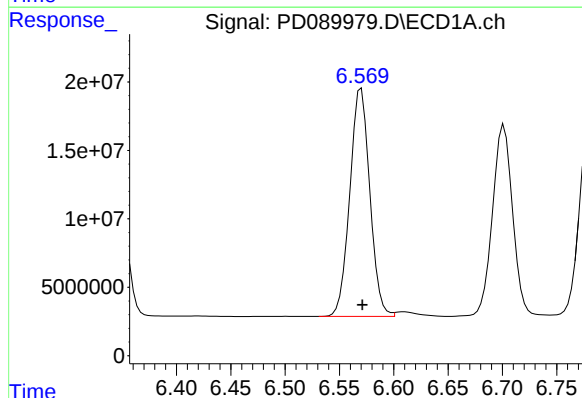
R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 252173910
Conc: 51.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825



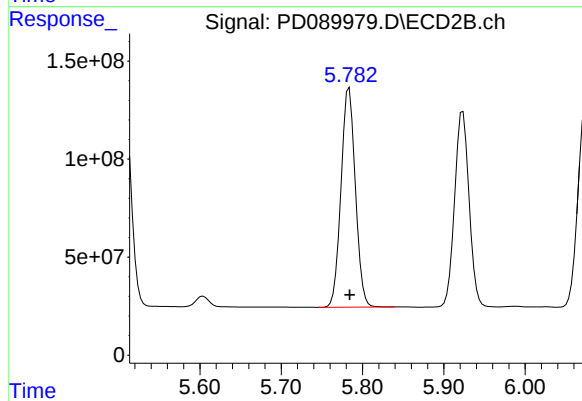
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1492222308
Conc: 50.95 ng/ml



#14 Endrin

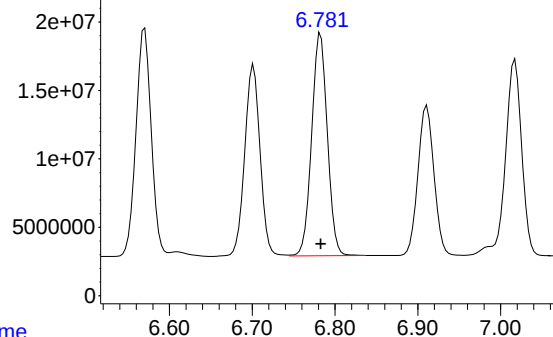
R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 213593500
Conc: 51.55 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1370162472
Conc: 51.45 ng/ml

Response_ Signal: PD089979.D\ECD1A.ch

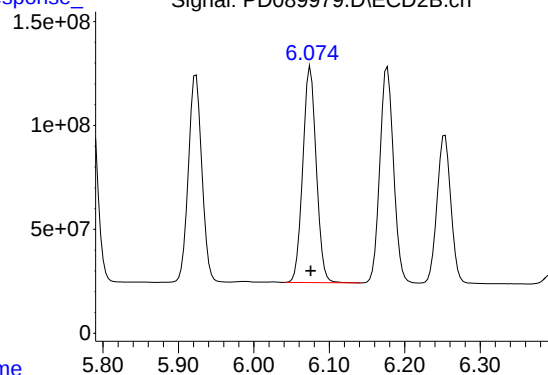


#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 213513701
Conc: 50.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825

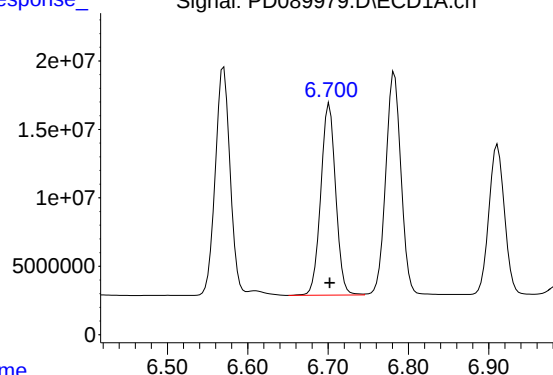
Time Response_ Signal: PD089979.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1291268176
Conc: 51.05 ng/ml

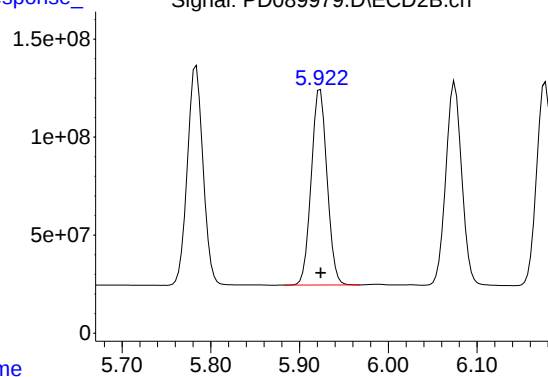
Time Response_ Signal: PD089979.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 180208406
Conc: 52.10 ng/ml

Time Response_ Signal: PD089979.D\ECD2B.ch

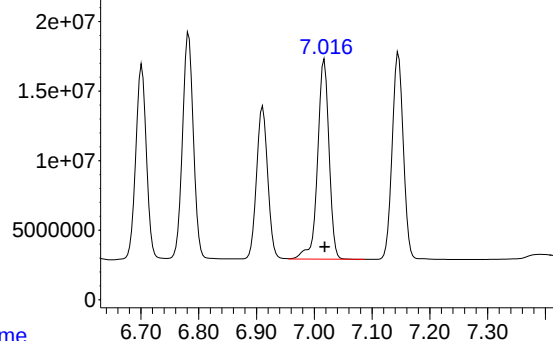


#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 1235060842
Conc: 51.37 ng/ml

Response_ Signal: PD089979.D\ECD1A.ch

#17 4,4'-DDT

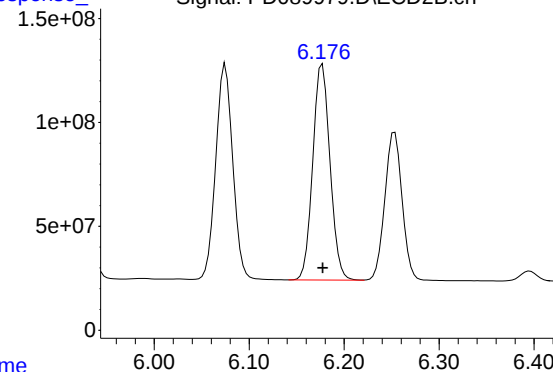


R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 196799250
Conc: 51.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825

Time Response_ Signal: PD089979.D\ECD2B.ch

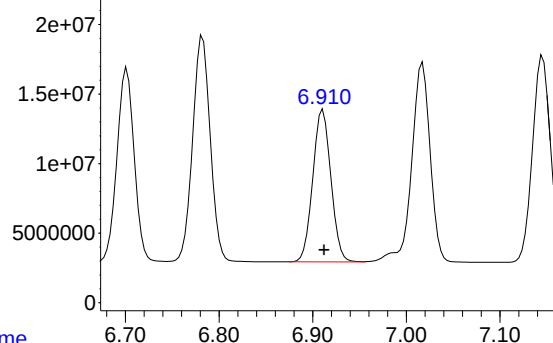
#17 4,4'-DDT



R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1313056731
Conc: 52.38 ng/ml

Time Response_ Signal: PD089979.D\ECD1A.ch

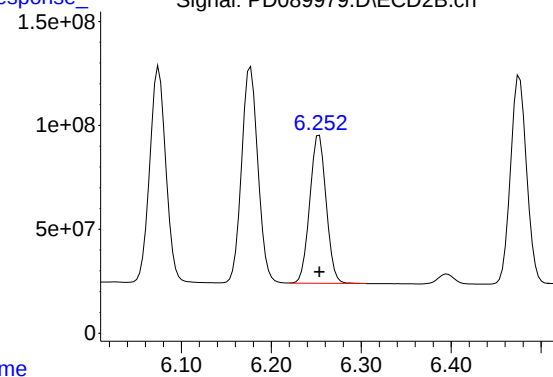
#18 Endrin aldehyde



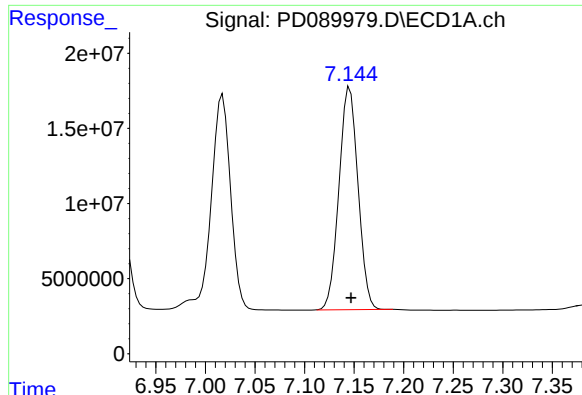
R.T.: 6.911 min
Delta R.T.: -0.001 min
Response: 147534177
Conc: 51.46 ng/ml

Time Response_ Signal: PD089979.D\ECD2B.ch

#18 Endrin aldehyde



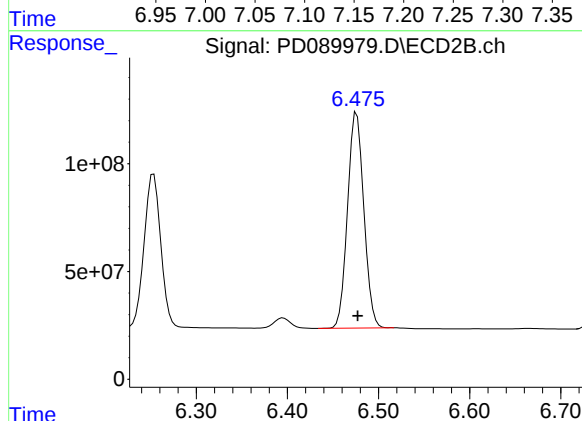
R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 901665508
Conc: 52.36 ng/ml



#19 Endosulfan Sulfate

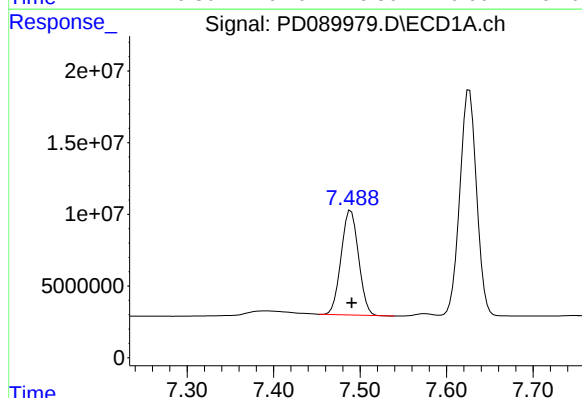
R.T.: 7.146 min
Delta R.T.: -0.001 min
Response: 198419742
Conc: 50.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825



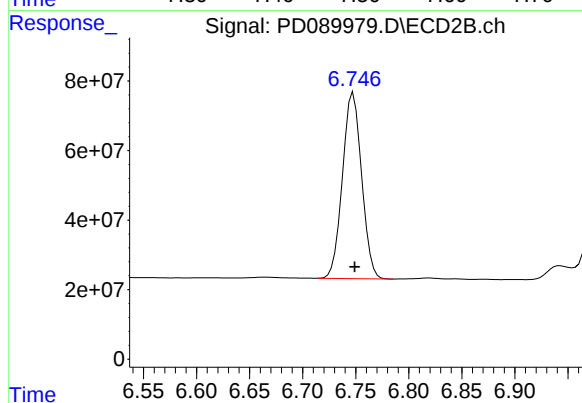
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 1242551216
Conc: 50.97 ng/ml



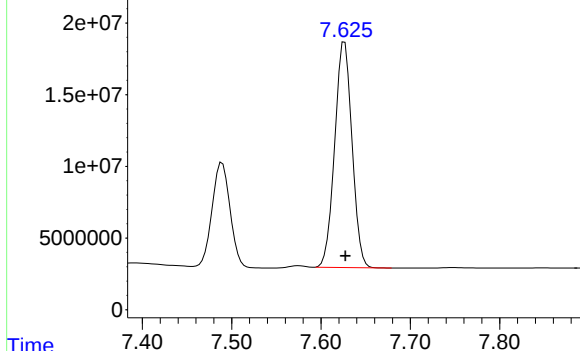
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 101241322
Conc: 50.48 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.001 min
Response: 670743746
Conc: 52.01 ng/ml

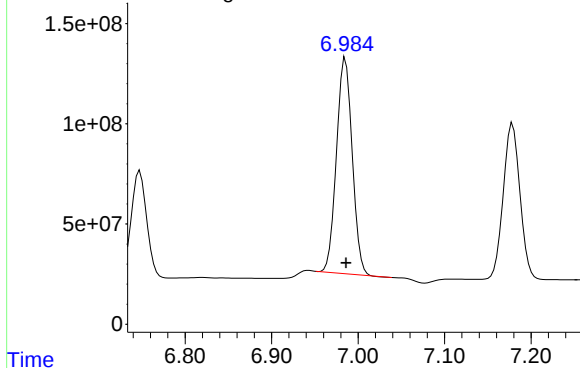


R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 211822555
Conc: 51.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD081825

Time Response_ Signal: PD089979.D\ECD2B.ch

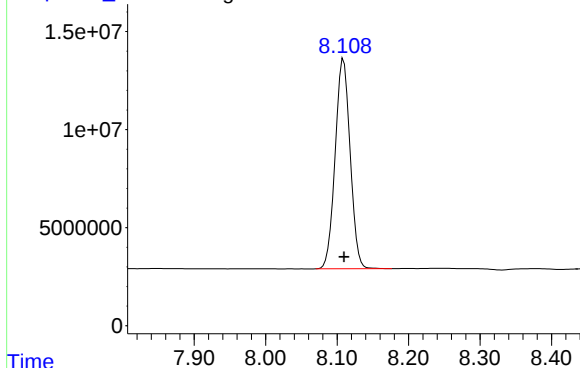
#21 Endrin ketone



R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 1352941327
Conc: 50.78 ng/ml

Time Response_ Signal: PD089979.D\ECD1A.ch

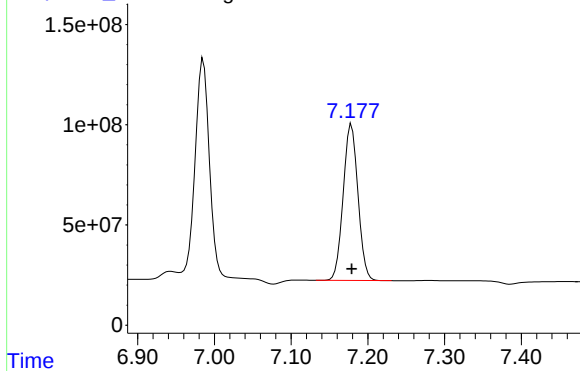
#22 Mirex



R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 155817468
Conc: 49.40 ng/ml

Time Response_ Signal: PD089979.D\ECD2B.ch

#22 Mirex



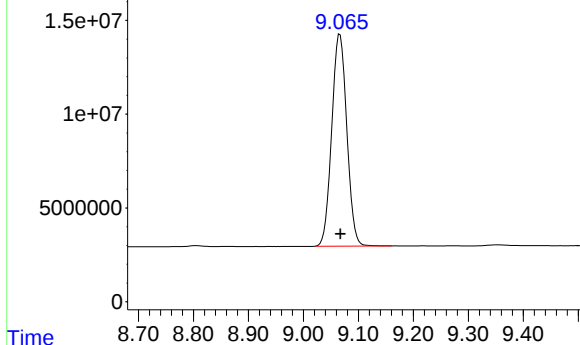
R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 1047330770
Conc: 50.70 ng/ml

Response_

Signal: PD089979.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 215040575
Conc: 49.82 ng/ml

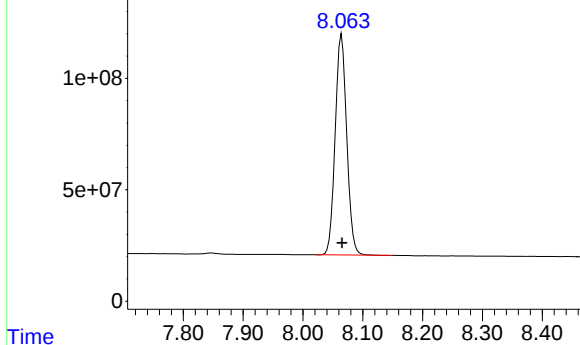
Instrument :
ECD_D
ClientSampleId :
ICVPD081825

Time

Response_

Signal: PD089979.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 1328818738
Conc: 51.33 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: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 16:26

Initial Calibration Time(s): 11:25

12:20

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.08	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 16:26

Initial Calibration Time(s): 11:25

12:20

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/08/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090195.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.602	6.802	51.260	50.000	2.5
4,4'-DDE	6.200	6.092	6.292	51.310	50.000	2.6
4,4'-DDT	7.025	6.918	7.118	42.480	50.000	-15.0
Aldrin	5.275	5.167	5.367	53.130	50.000	6.3
alpha-BHC	4.004	3.897	4.097	55.450	50.000	10.9
alpha-Chlordane	6.031	5.924	6.124	51.770	50.000	3.5
beta-BHC	4.522	4.414	4.614	53.030	50.000	6.1
Decachlorobiphenyl	9.075	8.967	9.167	46.100	50.000	-7.8
delta-BHC	4.768	4.662	4.862	59.320	50.000	18.6
Dieldrin	6.351	6.244	6.444	50.740	50.000	1.5
Endosulfan I	6.078	5.971	6.171	51.310	50.000	2.6
Endosulfan II	6.790	6.683	6.883	49.020	50.000	-2.0
Endosulfan sulfate	7.154	7.047	7.247	47.820	50.000	-4.4
Endrin	6.578	6.471	6.671	44.370	50.000	-11.3
Endrin aldehyde	6.919	6.812	7.012	50.550	50.000	1.1
Endrin ketone	7.632	7.527	7.727	48.390	50.000	-3.2
gamma-BHC (Lindane)	4.335	4.228	4.428	55.150	50.000	10.3
gamma-Chlordane	5.950	5.843	6.043	52.850	50.000	5.7
Heptachlor	4.933	4.826	5.026	51.820	50.000	3.6
Heptachlor epoxide	5.695	5.587	5.787	51.560	50.000	3.1
Methoxychlor	7.497	7.390	7.590	44.620	50.000	-10.8
Tetrachloro-m-xylene	3.555	3.448	3.648	50.690	50.000	1.4



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/08/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090195.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.924	5.824	6.024	52.550	50.000	5.1
4,4'-DDE	5.370	5.269	5.469	51.160	50.000	2.3
4,4'-DDT	6.178	6.078	6.278	44.710	50.000	-10.6
Aldrin	4.363	4.264	4.464	53.040	50.000	6.1
alpha-BHC	3.389	3.290	3.490	53.270	50.000	6.5
alpha-Chlordane	5.184	5.085	5.285	51.390	50.000	2.8
beta-BHC	4.021	3.921	4.121	52.700	50.000	5.4
Decachlorobiphenyl	8.066	7.965	8.165	40.630	50.000	-18.7
delta-BHC	4.258	4.158	4.358	53.150	50.000	6.3
Dieldrin	5.507	5.407	5.607	51.240	50.000	2.5
Endosulfan I	5.242	5.142	5.342	51.490	50.000	3.0
Endosulfan II	6.075	5.975	6.175	49.650	50.000	-0.7
Endosulfan sulfate	6.477	6.377	6.577	47.960	50.000	-4.1
Endrin	5.784	5.684	5.884	46.010	50.000	-8.0
Endrin aldehyde	6.253	6.153	6.353	51.080	50.000	2.2
Endrin ketone	6.986	6.886	7.086	47.540	50.000	-4.9
gamma-BHC (Lindane)	3.726	3.626	3.826	53.250	50.000	6.5
gamma-Chlordane	5.120	5.020	5.220	51.970	50.000	3.9
Heptachlor	4.078	3.978	4.178	50.930	50.000	1.9
Heptachlor epoxide	4.867	4.767	4.967	52.090	50.000	4.2
Methoxychlor	6.748	6.649	6.849	46.820	50.000	-6.4
Tetrachloro-m-xylene	2.877	2.778	2.978	51.420	50.000	2.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090195.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 16:26
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:42:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.877	148.8E6	1133.8E6	50.694	51.417
28)	SA Decachlor...	9.075	8.066	198.9E6	1051.9E6	46.096	40.635
Target Compounds							
2)	A alpha-BHC	4.004	3.389	332.8E6	1808.1E6	55.449	53.275
3)	MA gamma-BHC...	4.335	3.726	315.8E6	1659.9E6	55.151	53.251
4)	MA Heptachlor	4.933	4.078	290.7E6	1588.5E6	51.820	50.928
5)	MB Aldrin	5.275	4.363	287.7E6	1615.3E6	53.132	53.037
6)	B beta-BHC	4.522	4.021	119.0E6	702.5E6	53.032	52.702
7)	B delta-BHC	4.768	4.258	307.1E6	1676.9E6	59.320m	53.150
8)	B Heptachlo...	5.695	4.867	253.0E6	1442.5E6	51.559	52.087
9)	A Endosulfan I	6.078	5.242	236.8E6	1350.1E6	51.307	51.489
10)	B gamma-Chl...	5.950	5.120	258.5E6	1538.9E6	52.849	51.971
11)	B alpha-Chl...	6.031	5.184	254.8E6	1466.5E6	51.772	51.388
12)	B 4,4'-DDE	6.200	5.370	225.2E6	1474.6E6	51.311	51.161
13)	MA Dieldrin	6.351	5.507	248.4E6	1500.7E6	50.739	51.241
14)	MA Endrin	6.578	5.784	183.9E6	1225.3E6	44.372	46.007
15)	B Endosulfa...	6.790	6.075	206.9E6	1255.9E6	49.023	49.652
16)	A 4,4'-DDD	6.709	5.924	177.3E6	1263.5E6	51.262	52.551
17)	MA 4,4'-DDT	7.025	6.178	161.8E6	1120.9E6	42.481	44.712
18)	B Endrin al...	6.919	6.253	144.9E6	879.6E6	50.549	51.083
19)	B Endosulfa...	7.154	6.477	187.4E6	1169.3E6	47.822	47.961
20)	A Methoxychlor	7.497	6.748	89482759	603.7E6	44.616	46.817
21)	B Endrin ke...	7.632	6.986	200.5E6	1266.6E6	48.388m	47.539
22)	Mirex	8.116	7.179	140.1E6	893.6E6	44.426	43.260

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 16:26
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

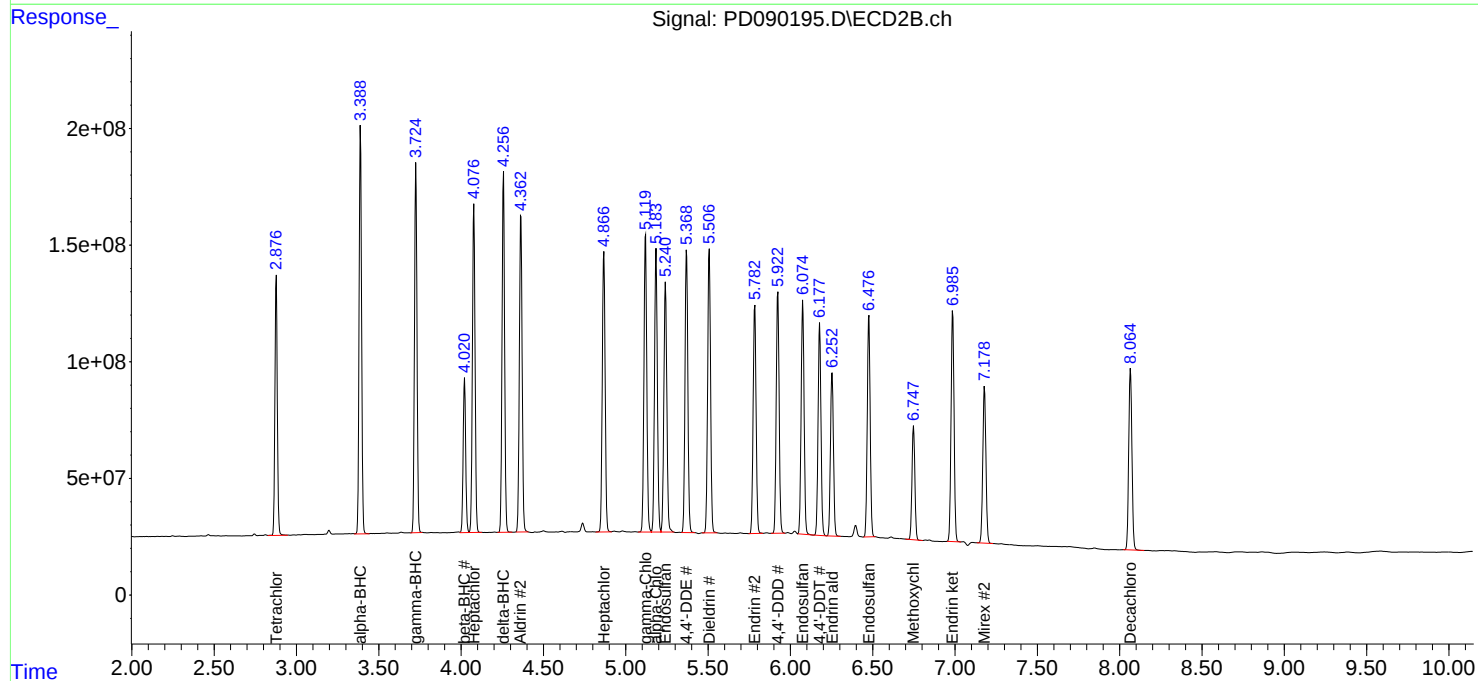
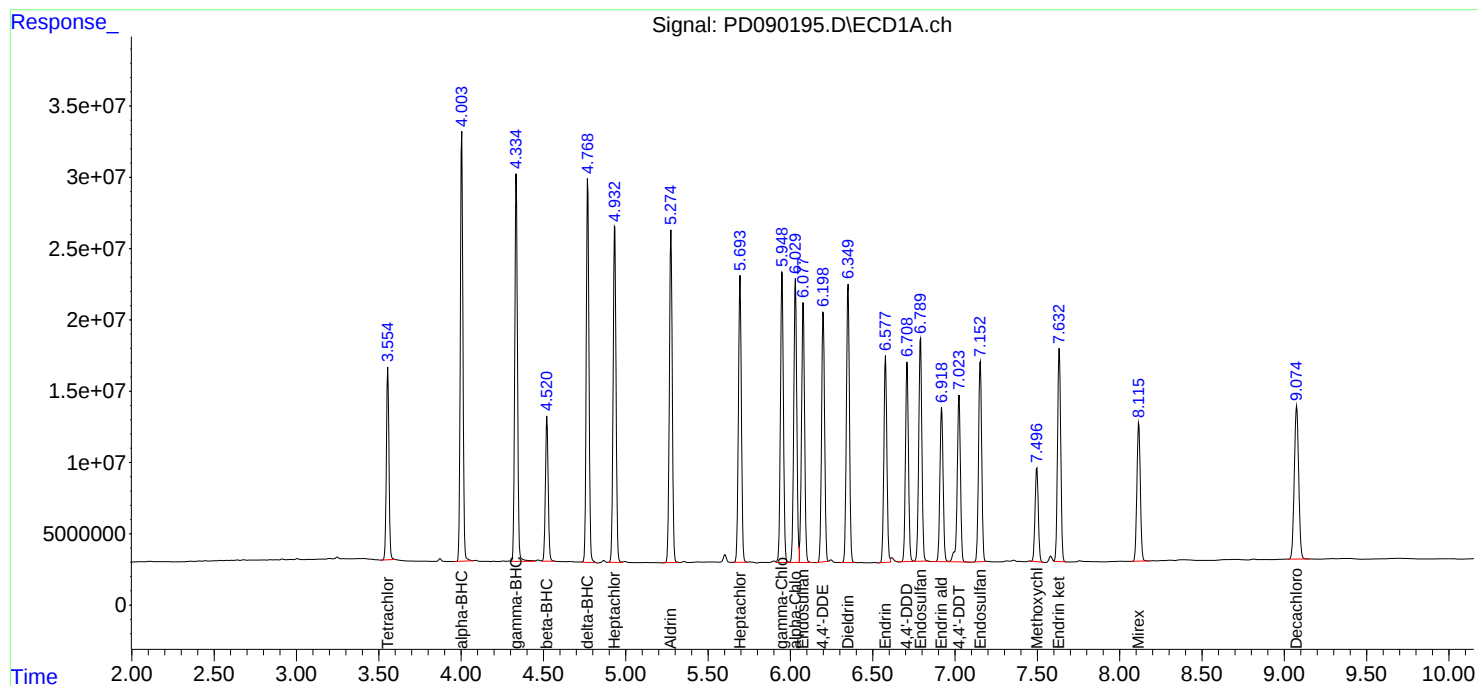
APPROVED

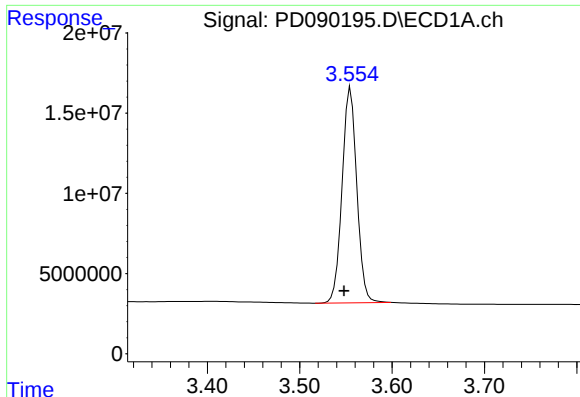
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:42:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 148778855
Conc: 50.69 ng/ml

Instrument :

ECD_D

ClientSampleId :

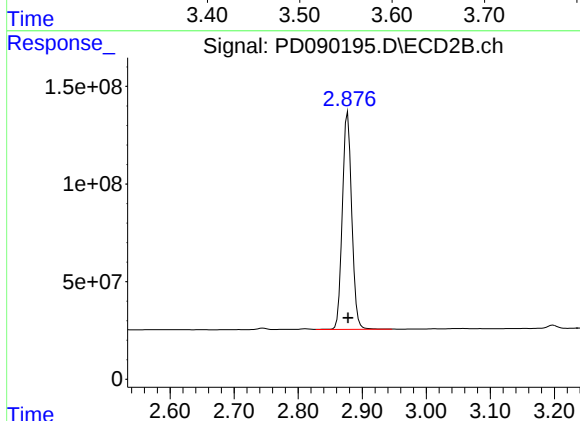
PSTDCCC050

Manual Integrations

APPROVED

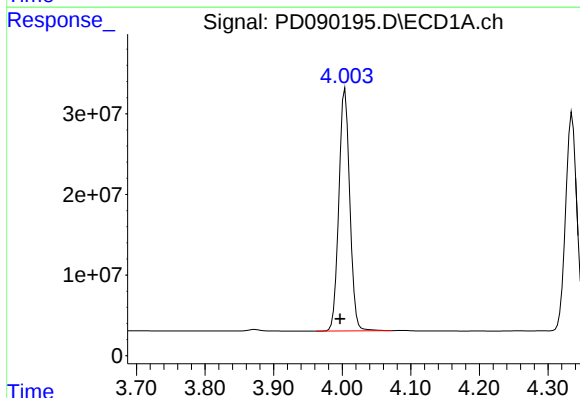
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



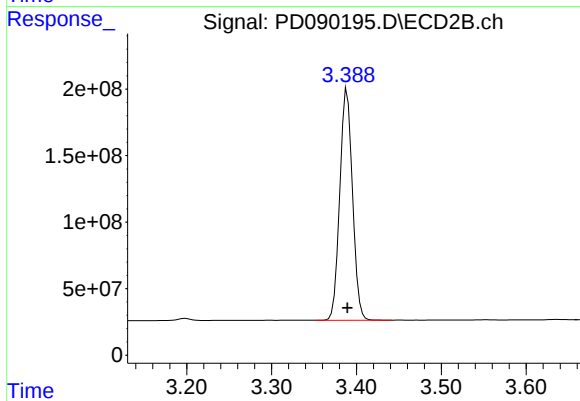
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 1133783032
Conc: 51.42 ng/ml



#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 332818710
Conc: 55.45 ng/ml

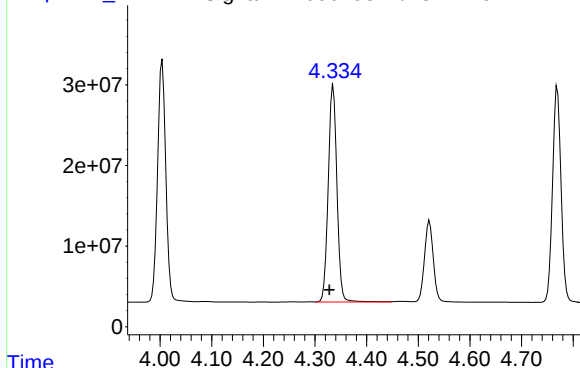


#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1808088910
Conc: 53.27 ng/ml

Response_ Signal: PD090195.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 315843877
Conc: 55.15 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

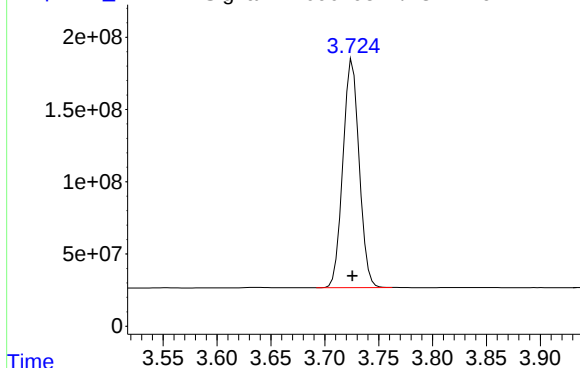
APPROVED

Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

Time Response_ Signal: PD090195.D\ECD2B.ch

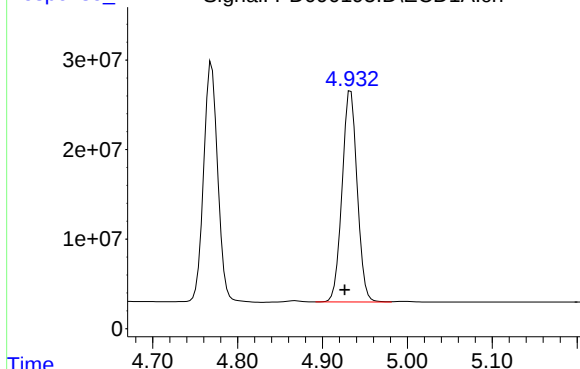
#3 gamma-BHC (Lindane)



R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1659874307
Conc: 53.25 ng/ml

Time Response_ Signal: PD090195.D\ECD1A.ch

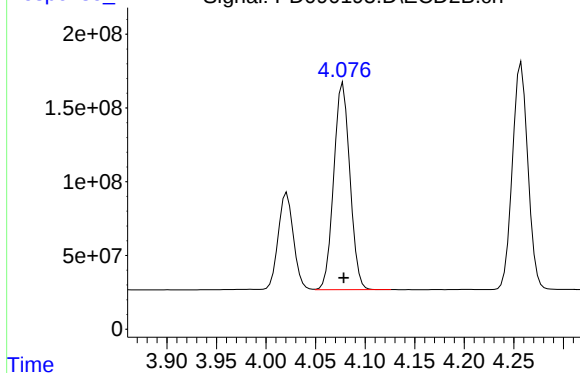
#4 Heptachlor



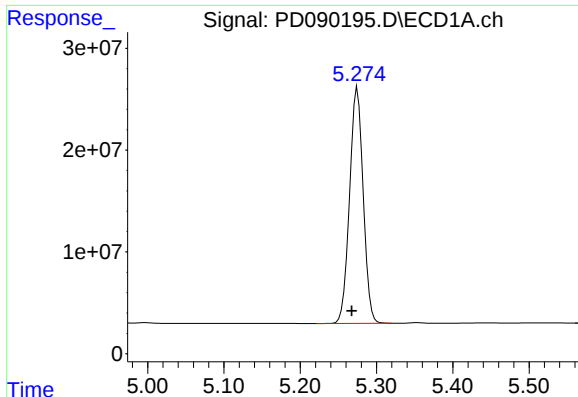
R.T.: 4.933 min
Delta R.T.: 0.007 min
Response: 290666752
Conc: 51.82 ng/ml

Time Response_ Signal: PD090195.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1588542917
Conc: 50.93 ng/ml



#5 Aldrin

R.T.: 5.275 min
Delta R.T.: 0.008 min
Response: 287686302
Conc: 53.13 ng/ml

Instrument :

ECD_D

ClientSampleId :

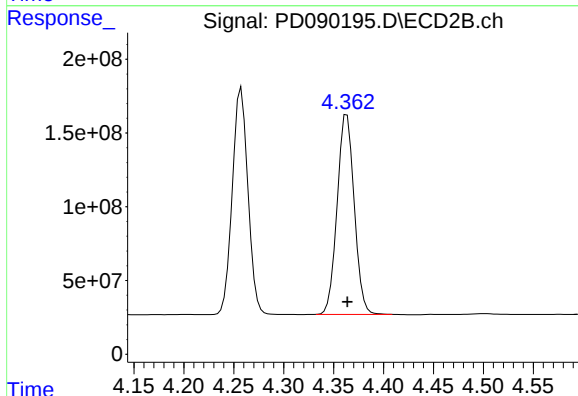
PSTDCCC050

Manual Integrations

APPROVED

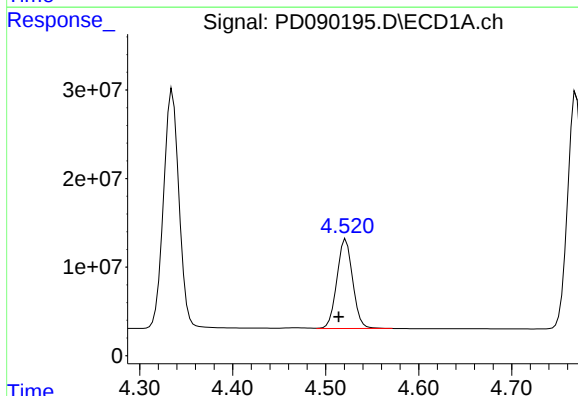
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



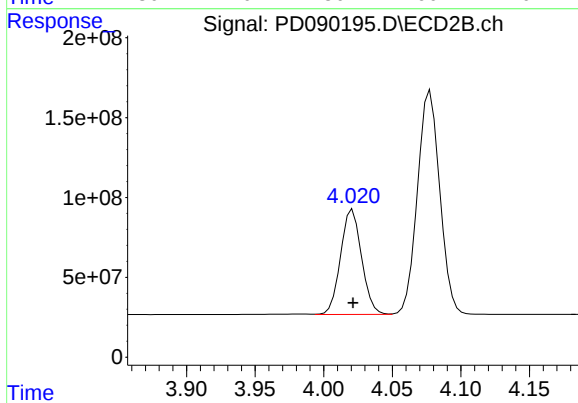
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1615273196
Conc: 53.04 ng/ml



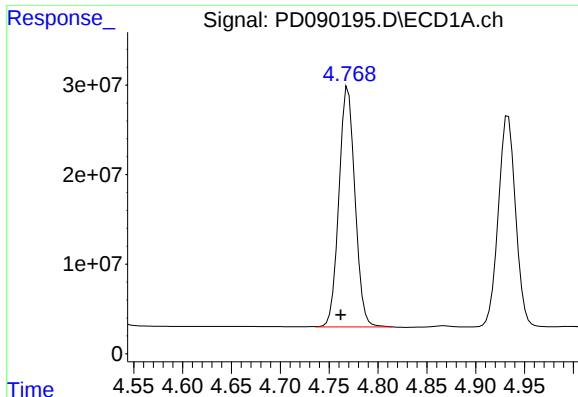
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.008 min
Response: 118951422
Conc: 53.03 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 702527339
Conc: 52.70 ng/ml



#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.006 min
Response: 307142269
Conc: 59.32 ng/ml

Instrument :

ECD_D

ClientSampleId :

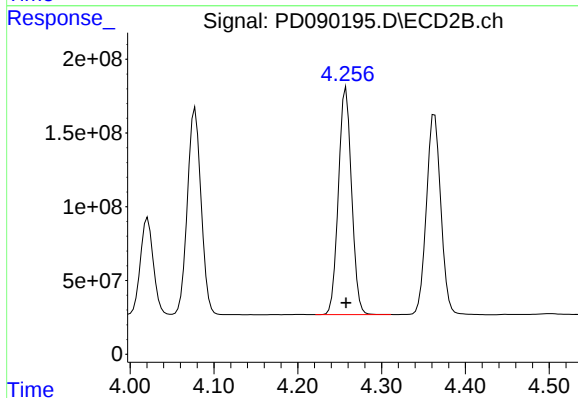
PSTDCCC050

Manual Integrations

APPROVED

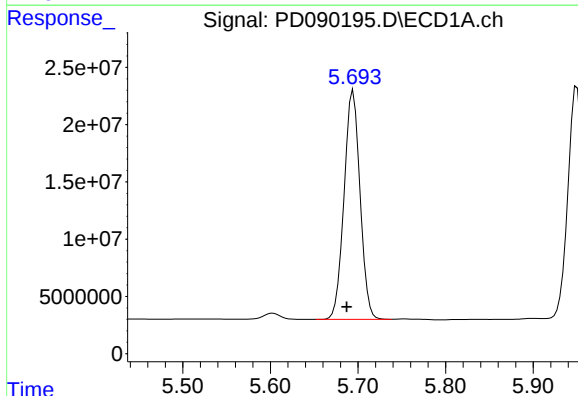
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



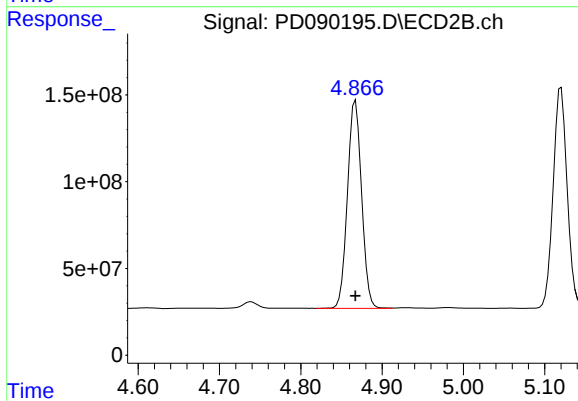
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1676881380
Conc: 53.15 ng/ml



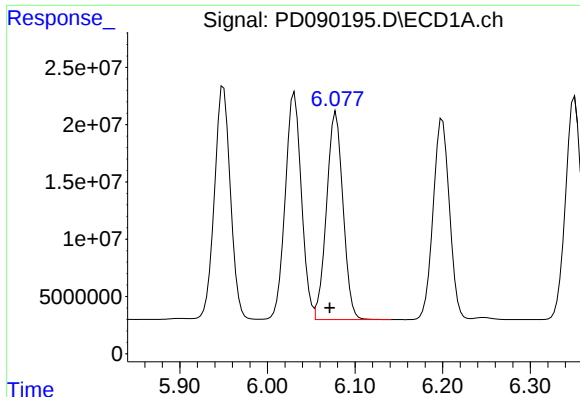
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.007 min
Response: 252990485
Conc: 51.56 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1442530717
Conc: 52.09 ng/ml



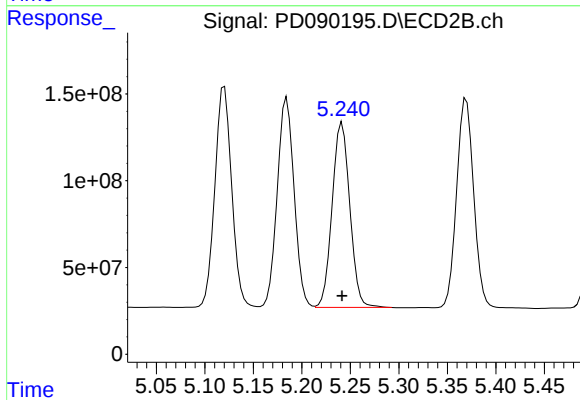
#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.007 min
Response: 236774763
Conc: 51.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

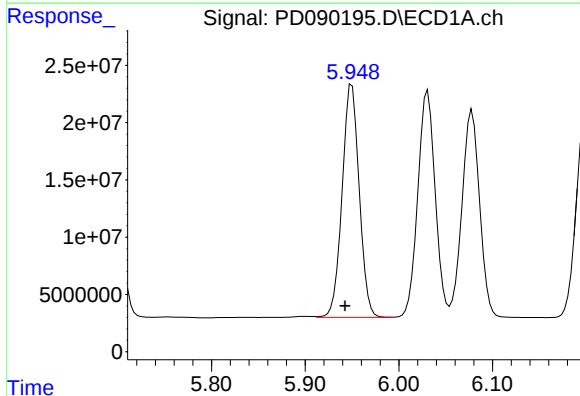
Manual Integrations
APPROVED

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



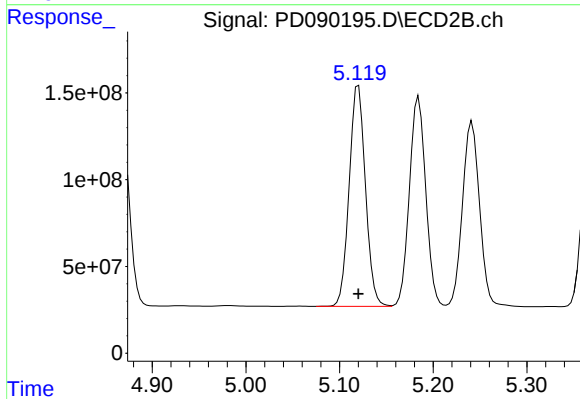
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1350145623
Conc: 51.49 ng/ml



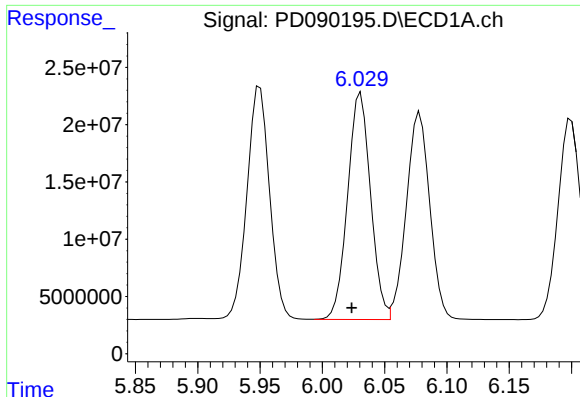
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.007 min
Response: 258482812
Conc: 52.85 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1538917800
Conc: 51.97 ng/ml



#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.007 min
Response: 254841635
Conc: 51.77 ng/ml

Instrument :

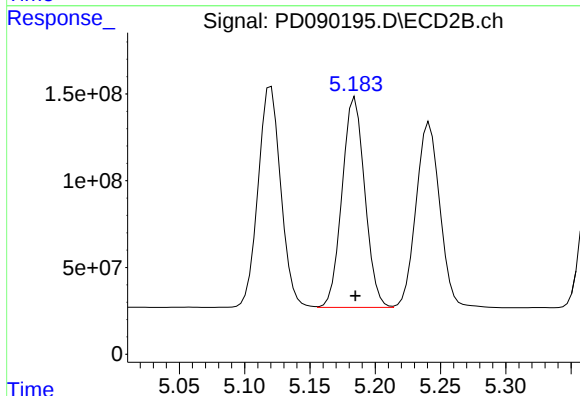
ECD_D

ClientSampleId :

PSTDCCC050

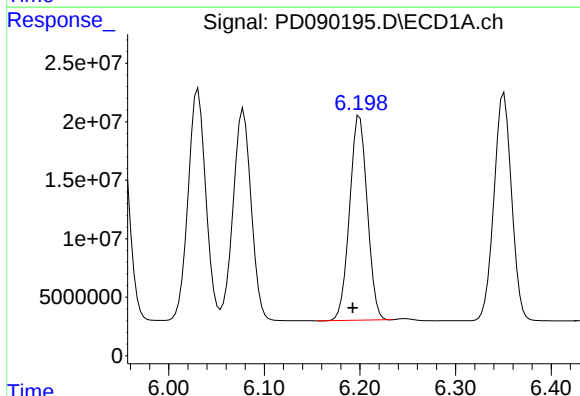
Manual Integrations
APPROVED

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



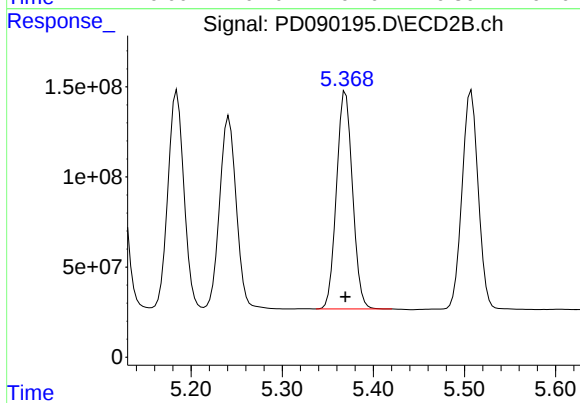
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1466510906
Conc: 51.39 ng/ml



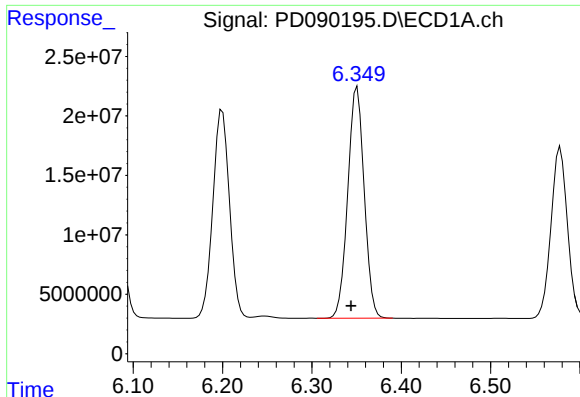
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.007 min
Response: 225166905
Conc: 51.31 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1474600686
Conc: 51.16 ng/ml



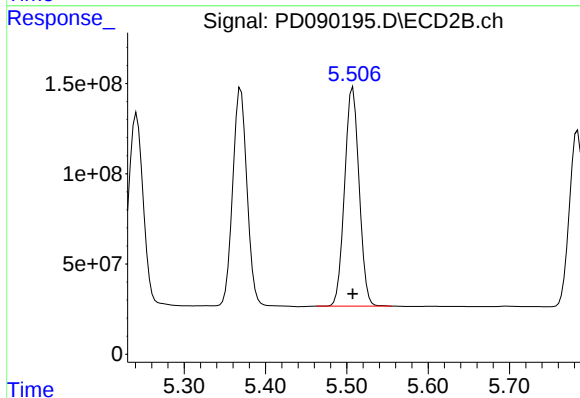
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.007 min
Response: 248404287
Conc: 50.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

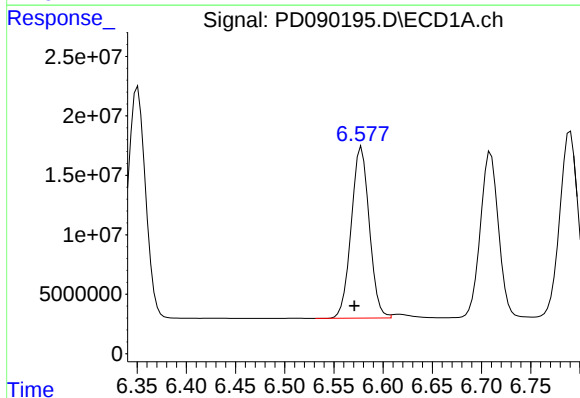
Manual Integrations
APPROVED

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



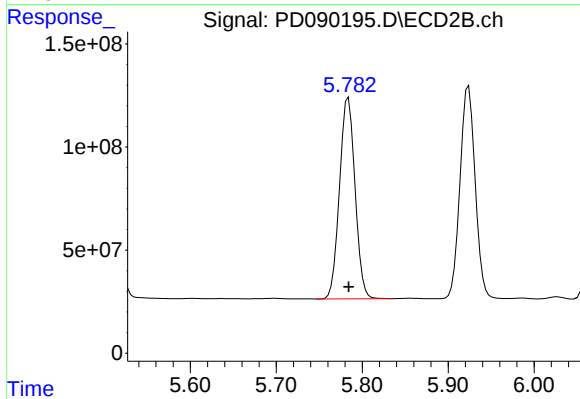
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1500691739
Conc: 51.24 ng/ml



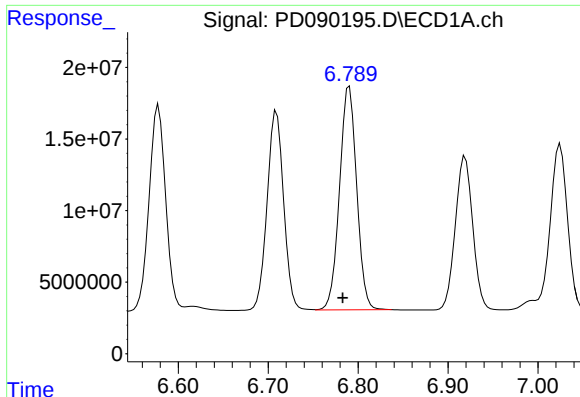
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.007 min
Response: 183856768
Conc: 44.37 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1225256786
Conc: 46.01 ng/ml



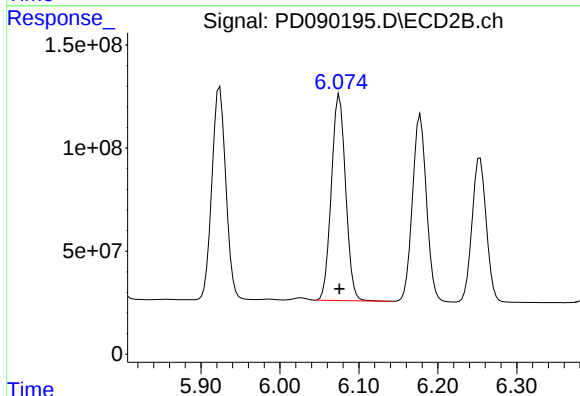
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: 0.007 min
Response: 206865555
Conc: 49.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

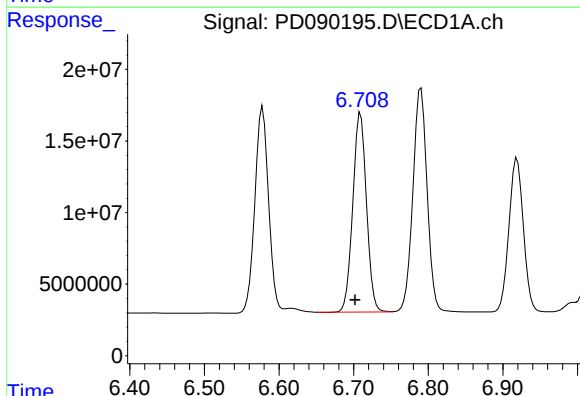
Manual Integrations
APPROVED

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



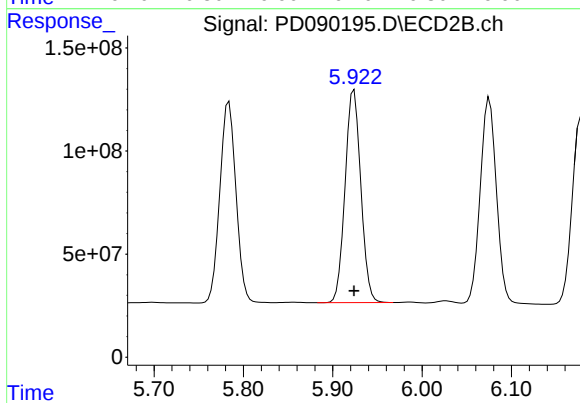
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1255921031
Conc: 49.65 ng/ml



#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.007 min
Response: 177321187
Conc: 51.26 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1263523959
Conc: 52.55 ng/ml

Response_ Signal: PD090195.D\ECD1A.ch

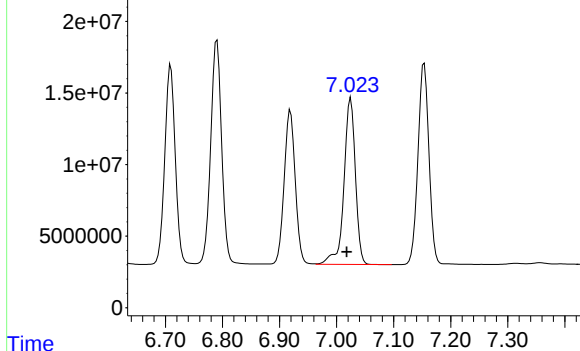
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.007 min
Response: 161840536
Conc: 42.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

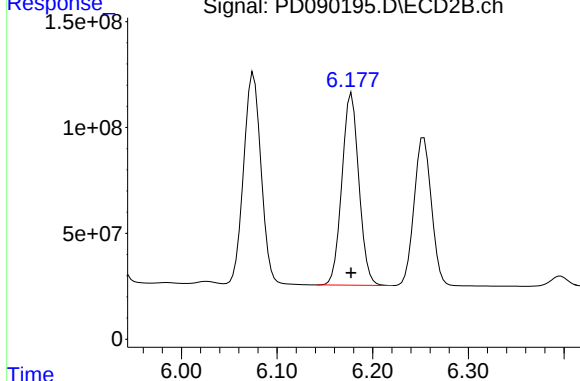
Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



Time Response Signal: PD090195.D\ECD2B.ch

#17 4,4'-DDT

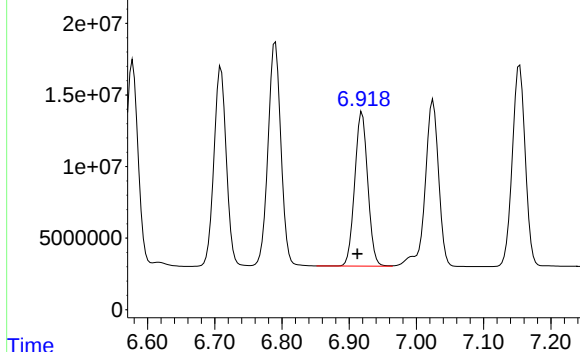
R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1120921957
Conc: 44.71 ng/ml



Time Response_ Signal: PD090195.D\ECD1A.ch

#18 Endrin aldehyde

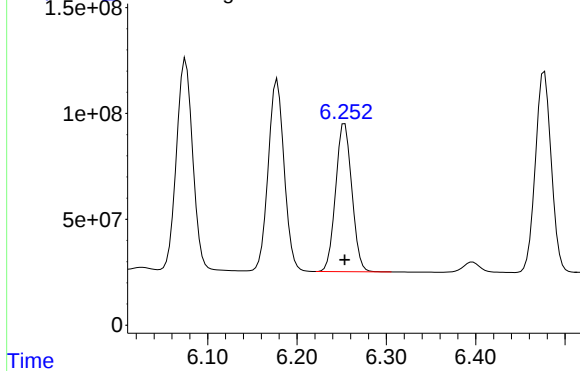
R.T.: 6.919 min
Delta R.T.: 0.007 min
Response: 144930525
Conc: 50.55 ng/ml

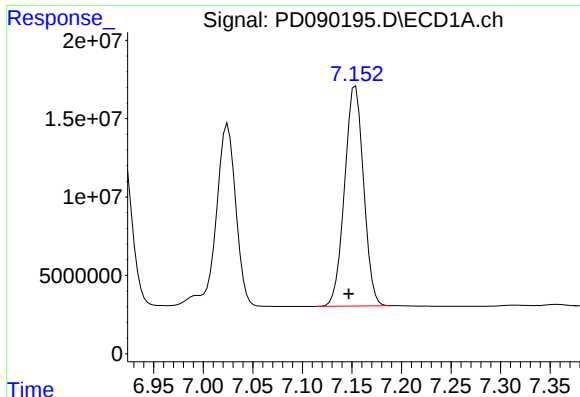


Time Response Signal: PD090195.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 879647042
Conc: 51.08 ng/ml





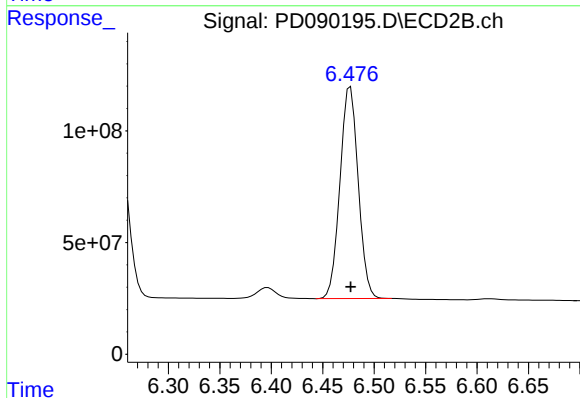
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.007 min
Response: 187388656
Conc: 47.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

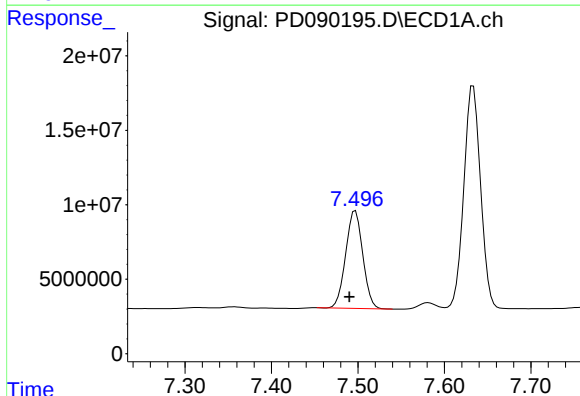
Manual Integrations
APPROVED

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



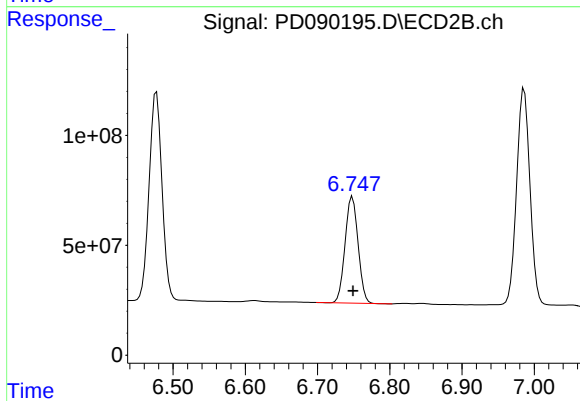
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1169274232
Conc: 47.96 ng/ml



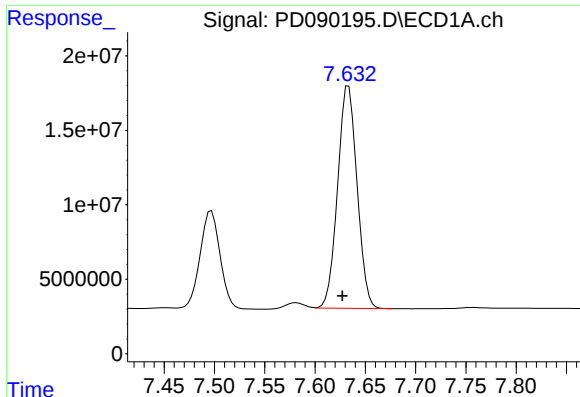
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.007 min
Response: 89482759
Conc: 44.62 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 603744960
Conc: 46.82 ng/ml



#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.005 min
Response: 200546989
Conc: 48.39 ng/ml

Instrument :

ECD_D

ClientSampleId :

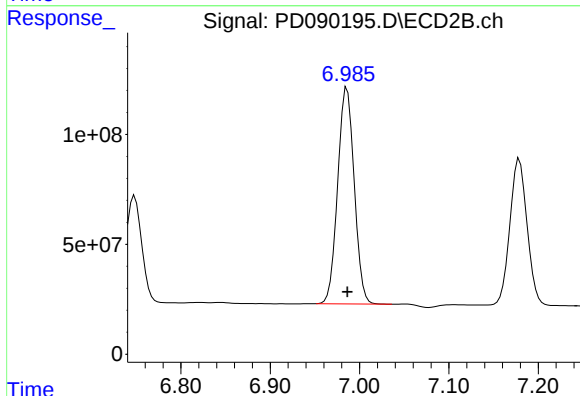
PSTDCCC050

Manual Integrations

APPROVED

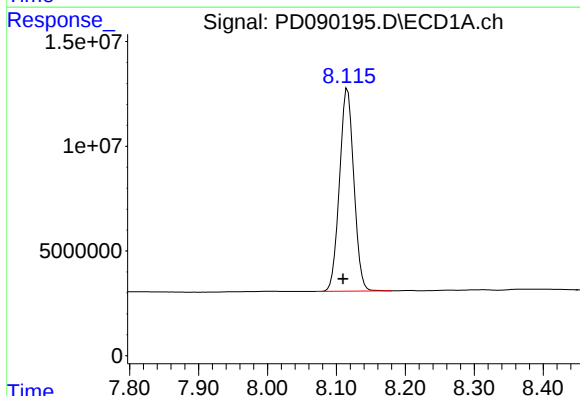
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



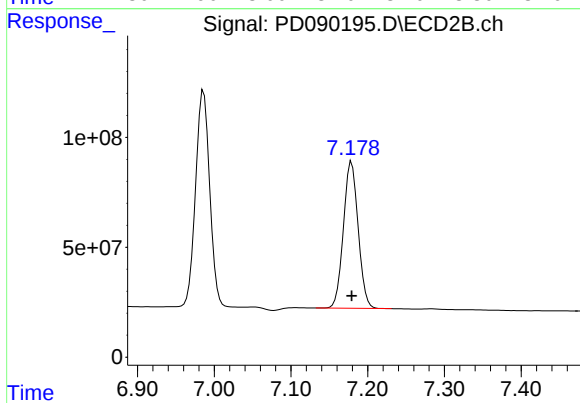
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 1266647406
Conc: 47.54 ng/ml



#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.006 min
Response: 140139463
Conc: 44.43 ng/ml



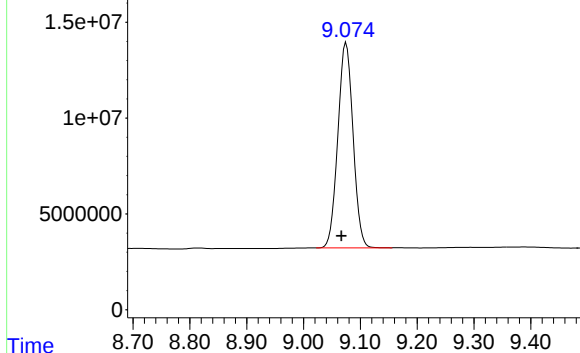
#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 893563222
Conc: 43.26 ng/ml

Response_

Signal: PD090195.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.075 min
Delta R.T.: 0.008 min
Response: 198949750
Conc: 46.10 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/09/2025

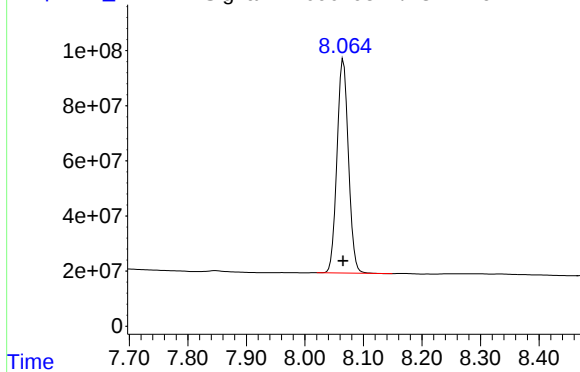
Supervised By :mohammad ahmed 09/10/2025

Time

Response_

Signal: PD090195.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 1051860969
Conc: 40.63 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: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 18:59

Initial Calibration Time(s): 11:25

12:20

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Continuing Calib Date: 09/08/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 18:59

Initial Calibration Time(s): 11:25

12:20

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/08/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090203.D **Time Analyzed:** 18:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.602	6.802	54.330	50.000	8.7
4,4'-DDE	6.196	6.092	6.292	53.410	50.000	6.8
4,4'-DDT	7.022	6.918	7.118	44.580	50.000	-10.8
Aldrin	5.271	5.167	5.367	55.000	50.000	10.0
alpha-BHC	4.002	3.897	4.097	55.640	50.000	11.3
alpha-Chlordane	6.027	5.924	6.124	53.700	50.000	7.4
beta-BHC	4.519	4.414	4.614	53.280	50.000	6.6
Decachlorobiphenyl	9.071	8.967	9.167	57.100	50.000	14.2
delta-BHC	4.767	4.662	4.862	59.230	50.000	18.5
Dieldrin	6.347	6.244	6.444	53.030	50.000	6.1
Endosulfan I	6.075	5.971	6.171	53.140	50.000	6.3
Endosulfan II	6.787	6.683	6.883	51.630	50.000	3.3
Endosulfan sulfate	7.150	7.047	7.247	50.760	50.000	1.5
Endrin	6.575	6.471	6.671	45.630	50.000	-8.7
Endrin aldehyde	6.916	6.812	7.012	53.610	50.000	7.2
Endrin ketone	7.631	7.527	7.727	51.850	50.000	3.7
gamma-BHC (Lindane)	4.332	4.228	4.428	54.910	50.000	9.8
gamma-Chlordane	5.946	5.843	6.043	54.790	50.000	9.6
Heptachlor	4.930	4.826	5.026	52.040	50.000	4.1
Heptachlor epoxide	5.691	5.587	5.787	53.350	50.000	6.7
Methoxychlor	7.494	7.390	7.590	46.950	50.000	-6.1
Tetrachloro-m-xylene	3.553	3.448	3.648	51.040	50.000	2.1



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ALLI03
Lab Code: ACE **SDG NO.:** Q3015
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/08/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090203.D **Time Analyzed:** 18:59

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	5.923	5.824	6.024	55.300	50.000	10.6
4,4'-DDE	5.368	5.269	5.469	53.630	50.000	7.3
4,4'-DDT	6.177	6.078	6.278	47.380	50.000	-5.2
Aldrin	4.363	4.264	4.464	54.000	50.000	8.0
alpha-BHC	3.389	3.290	3.490	54.220	50.000	8.4
alpha-Chlordane	5.184	5.085	5.285	53.630	50.000	7.3
beta-BHC	4.021	3.921	4.121	53.880	50.000	7.8
Decachlorobiphenyl	8.064	7.965	8.165	55.000	50.000	10.0
delta-BHC	4.257	4.158	4.358	54.080	50.000	8.2
Dieldrin	5.506	5.407	5.607	53.860	50.000	7.7
Endosulfan I	5.241	5.142	5.342	53.700	50.000	7.4
Endosulfan II	6.074	5.975	6.175	52.570	50.000	5.1
Endosulfan sulfate	6.476	6.377	6.577	51.720	50.000	3.4
Endrin	5.783	5.684	5.884	47.310	50.000	-5.4
Endrin aldehyde	6.252	6.153	6.353	55.490	50.000	11.0
Endrin ketone	6.985	6.886	7.086	53.820	50.000	7.6
gamma-BHC (Lindane)	3.725	3.626	3.826	54.250	50.000	8.5
gamma-Chlordane	5.120	5.020	5.220	54.040	50.000	8.1
Heptachlor	4.078	3.978	4.178	51.560	50.000	3.1
Heptachlor epoxide	4.867	4.767	4.967	53.600	50.000	7.2
Methoxychlor	6.747	6.649	6.849	50.960	50.000	1.9
Tetrachloro-m-xylene	2.877	2.778	2.978	52.030	50.000	4.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	3.553	2.877	149.8E6	1147.3E6	51.037	52.028
28) SA Decachlor...	9.071	8.064	246.4E6	1423.8E6	57.097	55.003
Target Compounds						
2) A alpha-BHC	4.002	3.389	334.0E6	1840.1E6	55.638	54.217
3) MA gamma-BHC...	4.332	3.725	314.5E6	1691.0E6	54.913	54.248
4) MA Heptachlor	4.930	4.078	291.9E6	1608.2E6	52.037	51.560
5) MB Aldrin	5.271	4.363	297.8E6	1644.7E6	54.997	54.003
6) B beta-BHC	4.519	4.021	119.5E6	718.2E6	53.284	53.877
7) B delta-BHC	4.767	4.257	306.7E6	1706.3E6	59.234	54.082
8) B Heptachlo...	5.691	4.867	261.8E6	1484.5E6	53.349	53.600
9) A Endosulfan I	6.075	5.241	245.3E6	1408.2E6	53.144	53.702
10) B gamma-Chl...	5.946	5.120	268.0E6	1600.1E6	54.786	54.036
11) B alpha-Chl...	6.027	5.184	264.4E6	1530.6E6	53.704	53.634
12) B 4,4'-DDE	6.196	5.368	234.4E6	1545.7E6	53.409	53.628
13) MA Dieldrin	6.347	5.506	259.6E6	1577.5E6	53.032	53.863
14) MA Endrin	6.575	5.783	189.1E6	1260.0E6	45.632	47.311
15) B Endosulfa...	6.787	6.074	217.9E6	1329.7E6	51.633	52.569
16) A 4,4'-DDD	6.706	5.923	187.9E6	1329.5E6	54.330	55.295
17) MA 4,4'-DDT	7.022	6.177	169.8E6	1187.8E6	44.580	47.379
18) B Endrin al...	6.916	6.252	153.7E6	955.5E6	53.609	55.491
19) B Endosulfa...	7.150	6.476	198.9E6	1261.0E6	50.762	51.724
20) A Methoxychlor	7.494	6.747	94153827	657.1E6	46.945	50.957
21) B Endrin ke...	7.631	6.985	214.9E6	1433.9E6	51.850	53.816
22) Mirex	8.113	7.178	147.4E6	995.7E6	46.726	48.203

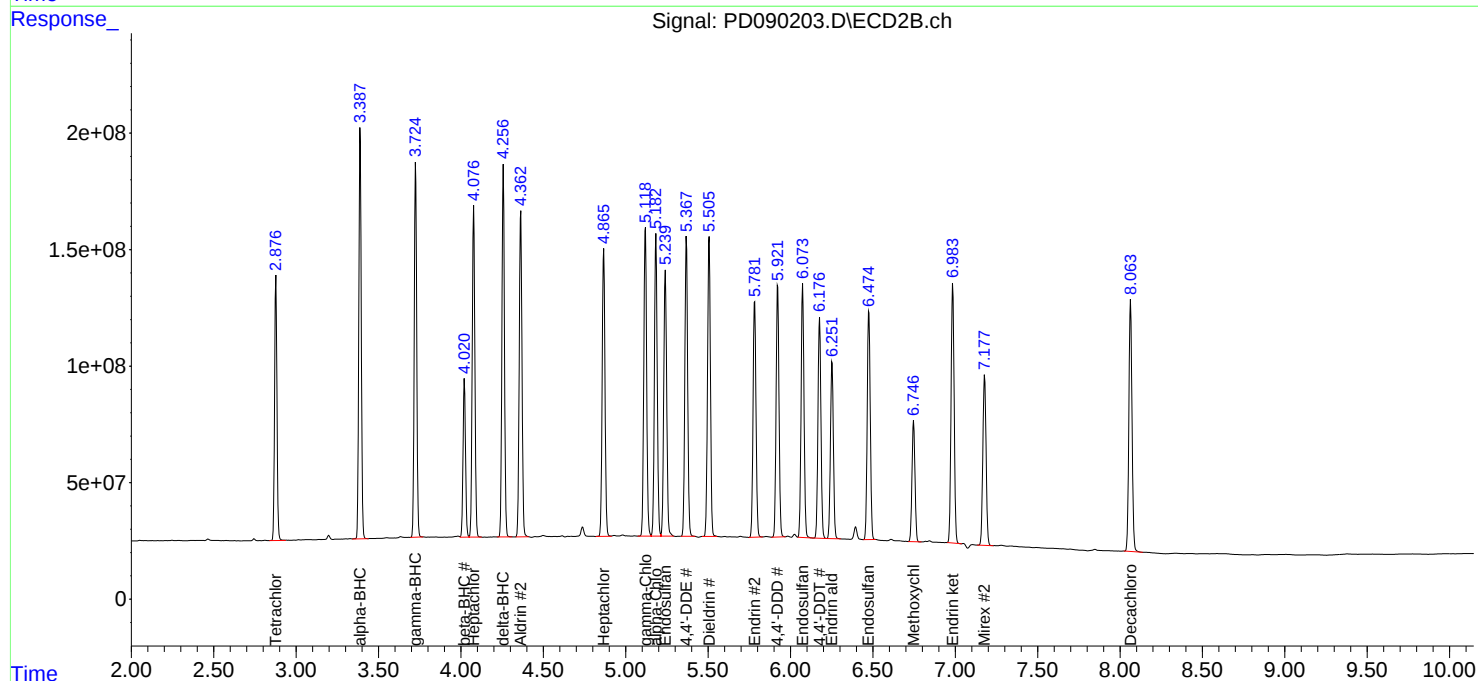
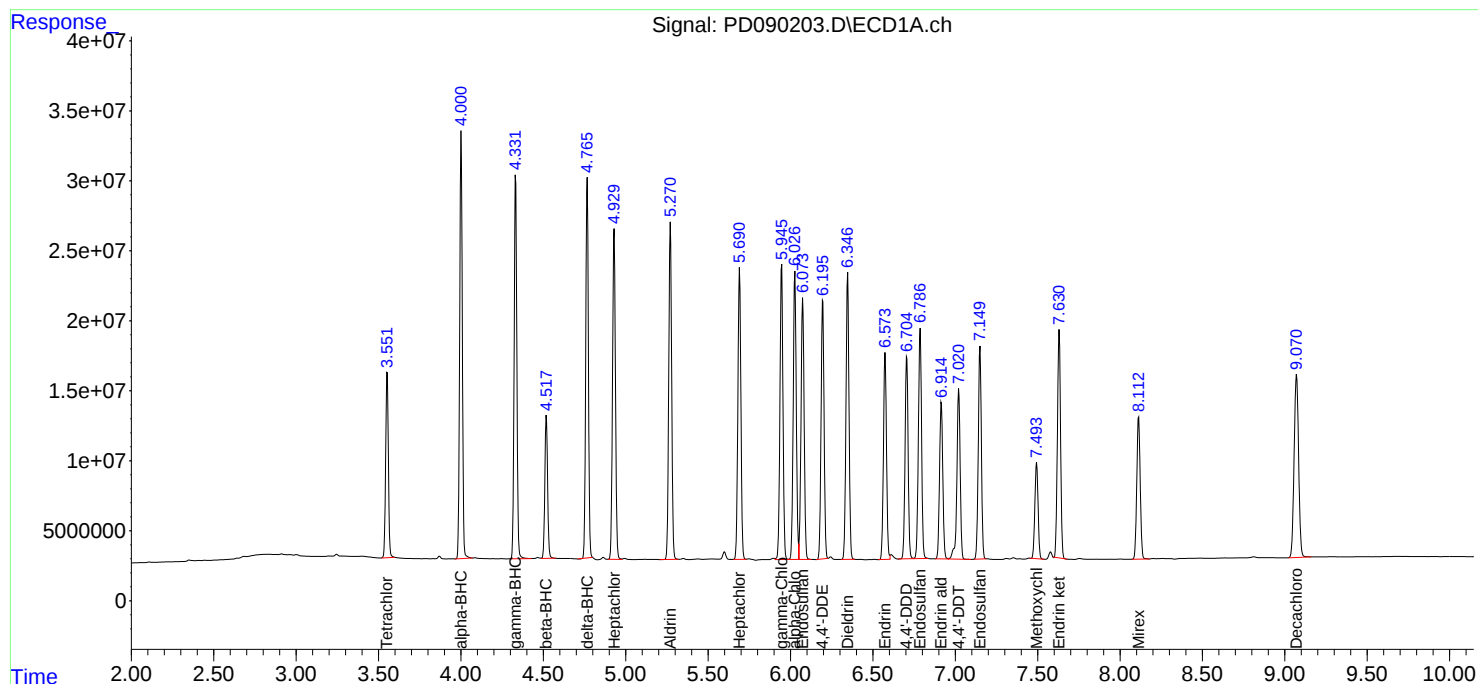
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

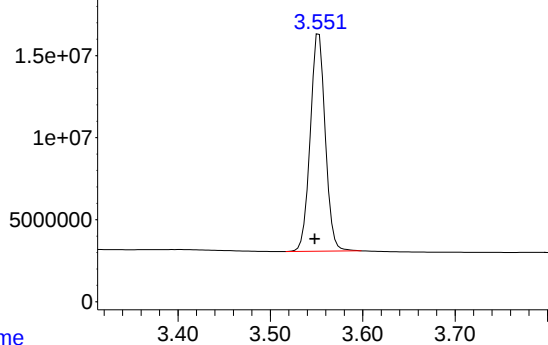
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090203.D\ECD1A.ch

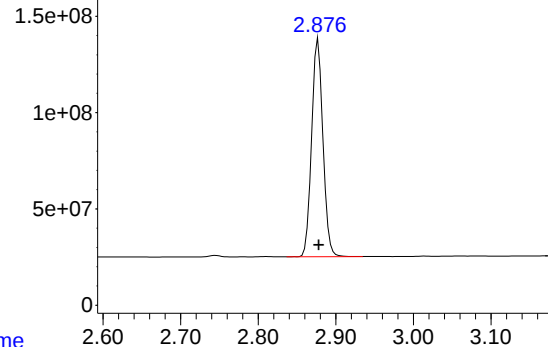


#1 Tetrachloro-m-xylene

R.T.: 3.553 min
Delta R.T.: 0.005 min
Response: 149784090
Conc: 51.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

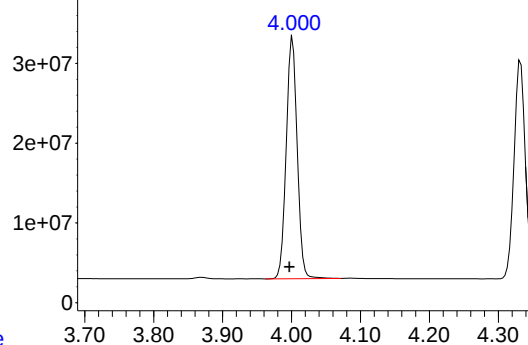
Time Response_ Signal: PD090203.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 1147256768
Conc: 52.03 ng/ml

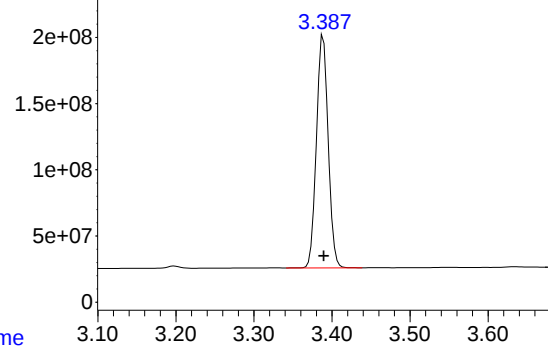
Time Response_ Signal: PD090203.D\ECD1A.ch



#2 alpha-BHC

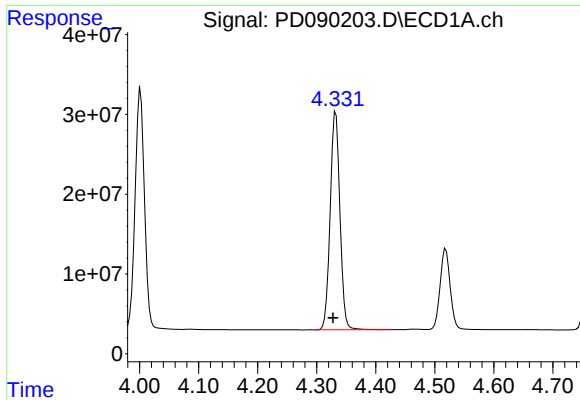
R.T.: 4.002 min
Delta R.T.: 0.004 min
Response: 333952530
Conc: 55.64 ng/ml

Time Response_ Signal: PD090203.D\ECD2B.ch



#2 alpha-BHC

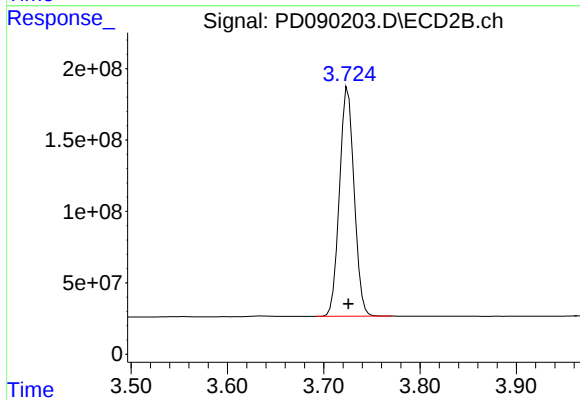
R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1840053721
Conc: 54.22 ng/ml



#3 gamma-BHC (Lindane)

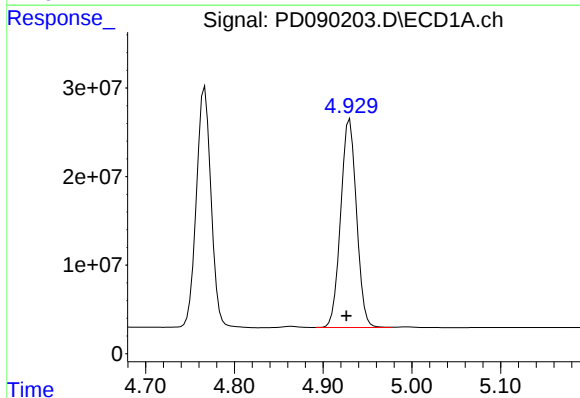
R.T.: 4.332 min
Delta R.T.: 0.005 min
Response: 314477008
Conc: 54.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



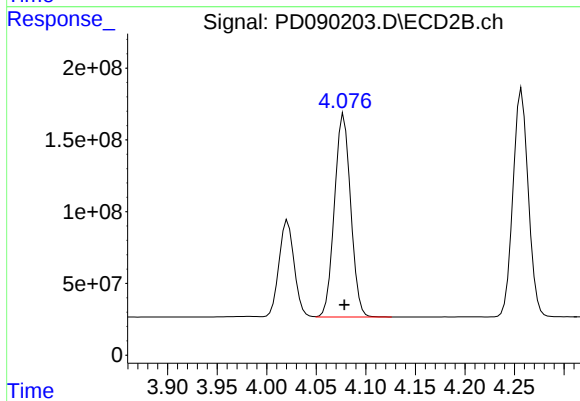
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1690951689
Conc: 54.25 ng/ml



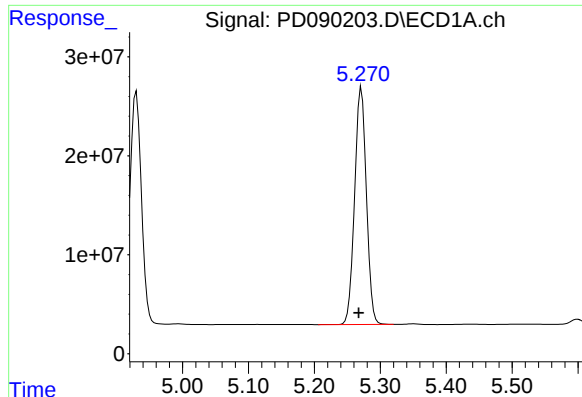
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.004 min
Response: 291885872
Conc: 52.04 ng/ml



#4 Heptachlor

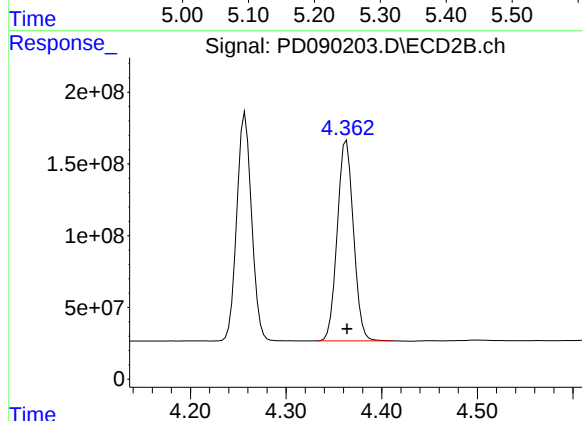
R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1608246181
Conc: 51.56 ng/ml



#5 Aldrin

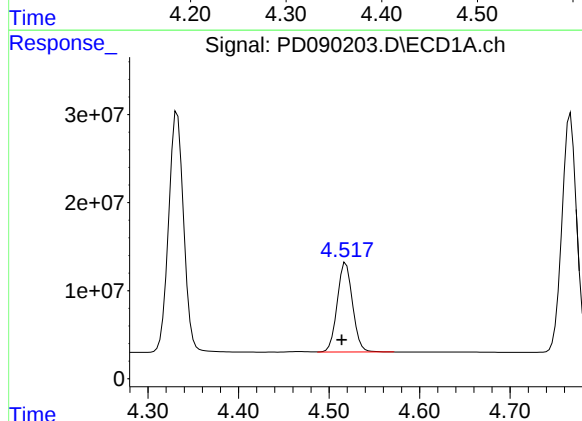
R.T.: 5.271 min
Delta R.T.: 0.004 min
Response: 297785485
Conc: 55.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



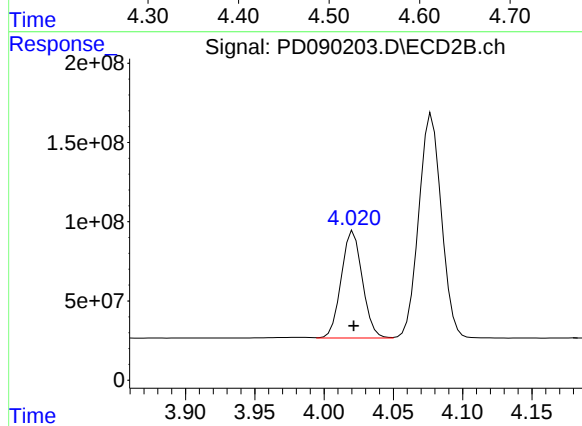
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1644705215
Conc: 54.00 ng/ml



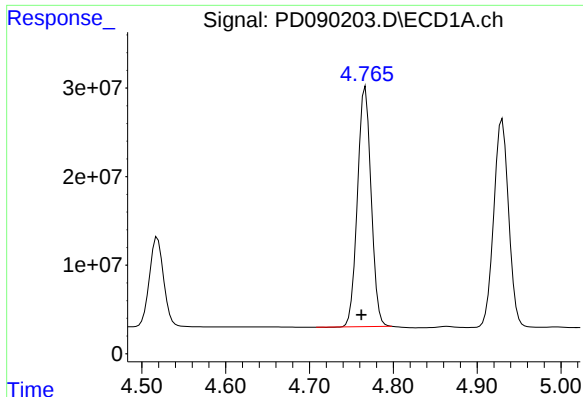
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.005 min
Response: 119516228
Conc: 53.28 ng/ml



#6 beta-BHC

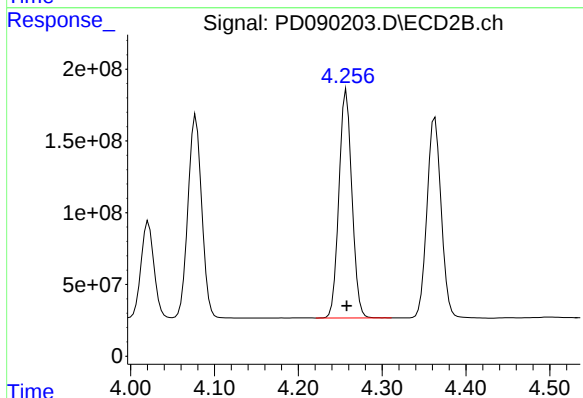
R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 718187995
Conc: 53.88 ng/ml



#7 delta-BHC

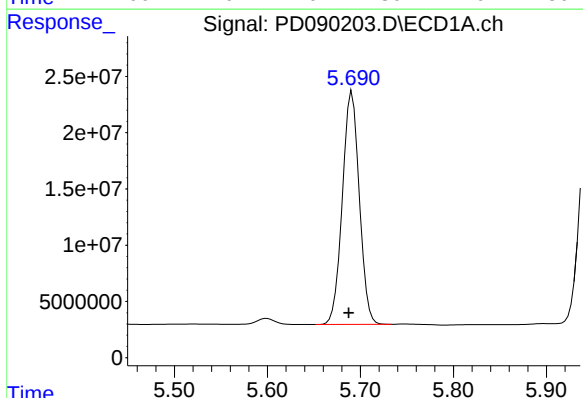
R.T.: 4.767 min
Delta R.T.: 0.005 min
Response: 306695899
Conc: 59.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



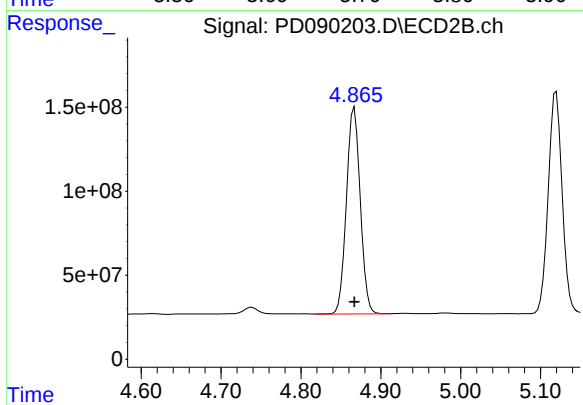
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1706288070
Conc: 54.08 ng/ml



#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.004 min
Response: 261770420
Conc: 53.35 ng/ml



#8 Heptachlor epoxide

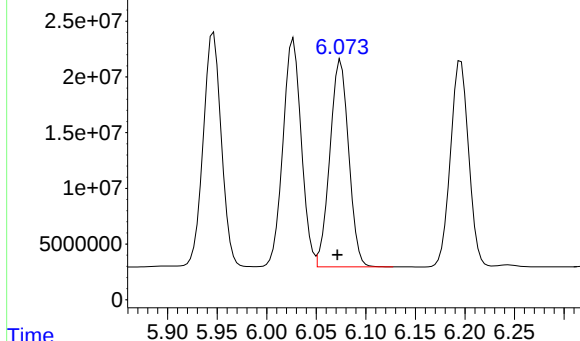
R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1484452584
Conc: 53.60 ng/ml

Response_ Signal: PD090203.D\ECD1A.ch

#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.004 min
Response: 245251941
Conc: 53.14 ng/ml

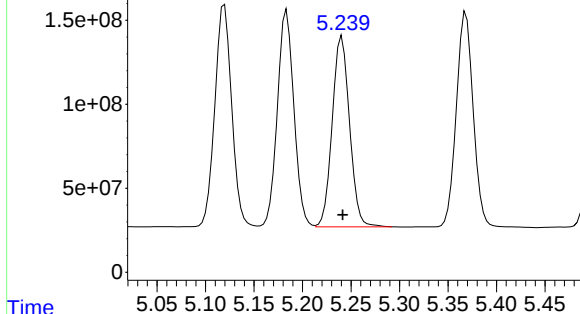
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



Time Response_ Signal: PD090203.D\ECD2B.ch

#9 Endosulfan I

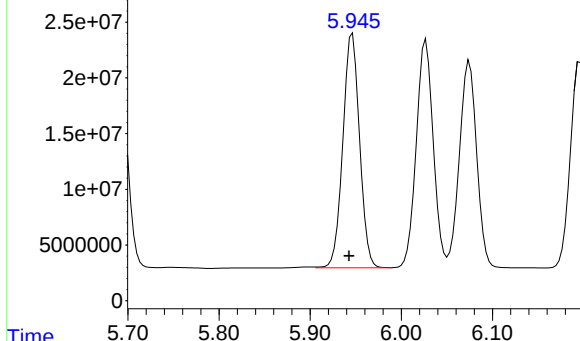
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1408168747
Conc: 53.70 ng/ml



Time Response_ Signal: PD090203.D\ECD1A.ch

#10 gamma-Chlordane

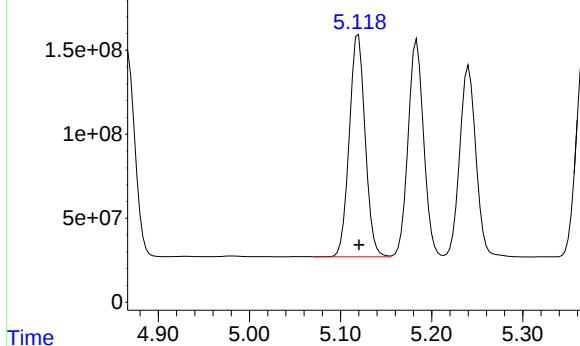
R.T.: 5.946 min
Delta R.T.: 0.004 min
Response: 267958237
Conc: 54.79 ng/ml

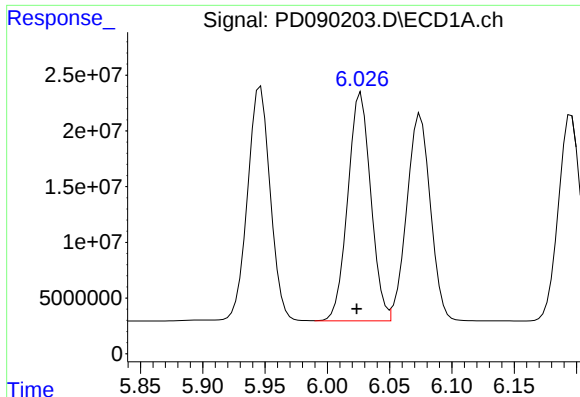


Time Response_ Signal: PD090203.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1600078837
Conc: 54.04 ng/ml

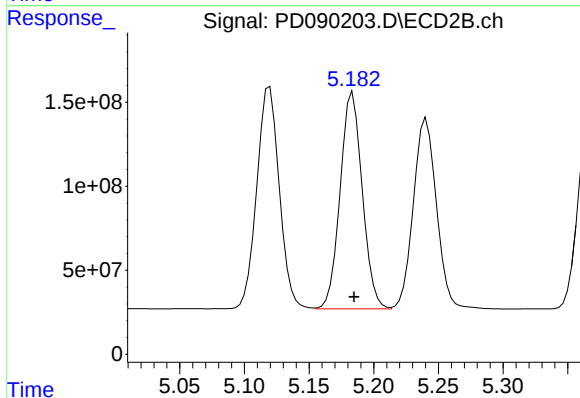




#11 alpha-Chlordane

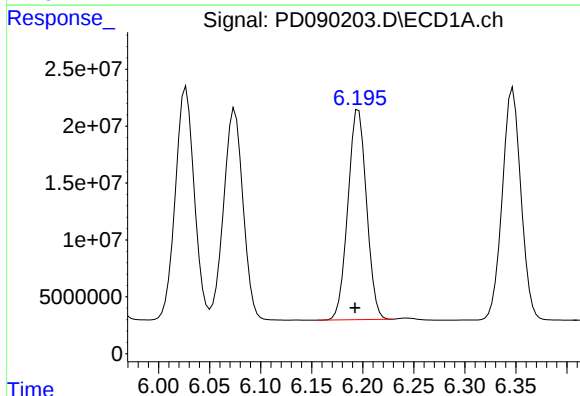
R.T.: 6.027 min
Delta R.T.: 0.003 min
Response: 264354472
Conc: 53.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



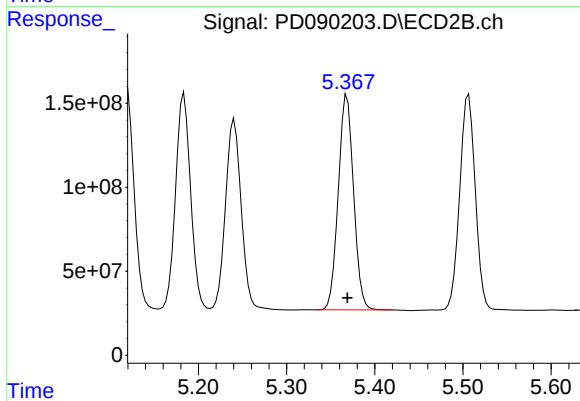
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.001 min
Response: 1530605095
Conc: 53.63 ng/ml



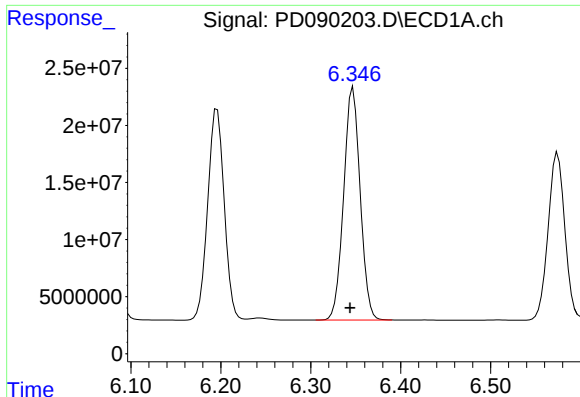
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.003 min
Response: 234375929
Conc: 53.41 ng/ml



#12 4,4'-DDE

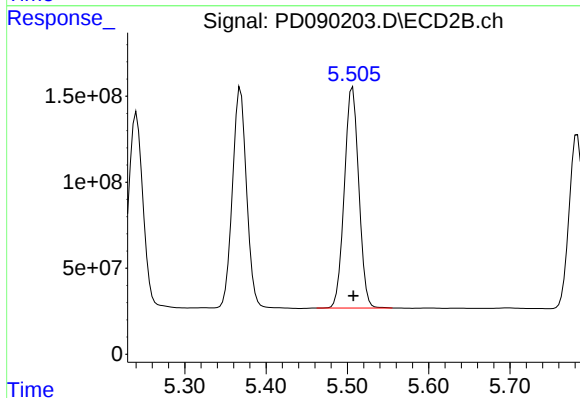
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1545695701
Conc: 53.63 ng/ml



#13 Dieldrin

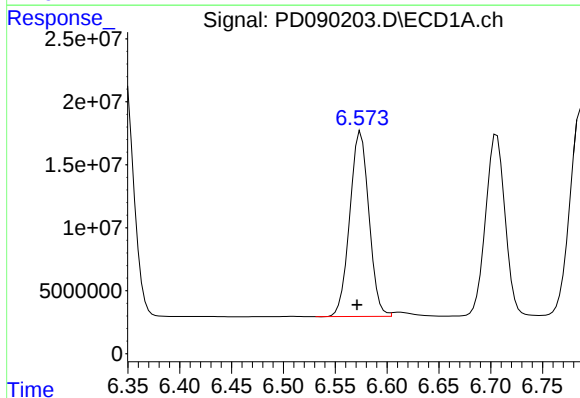
R.T.: 6.347 min
Delta R.T.: 0.003 min
Response: 259630331
Conc: 53.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



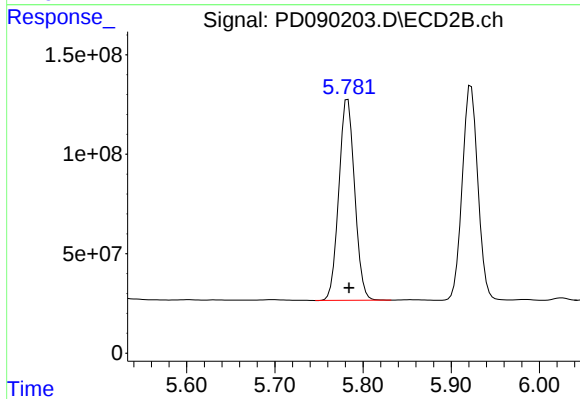
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1577499895
Conc: 53.86 ng/ml



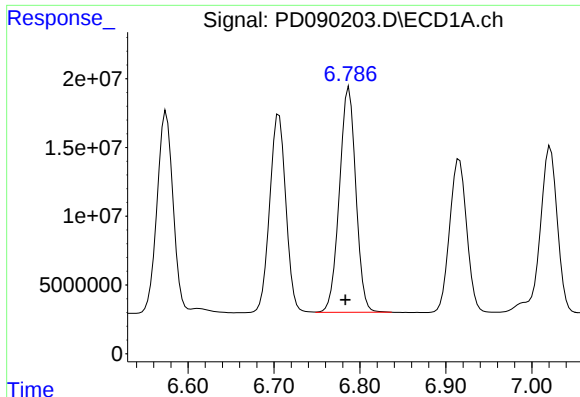
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.004 min
Response: 189077666
Conc: 45.63 ng/ml



#14 Endrin

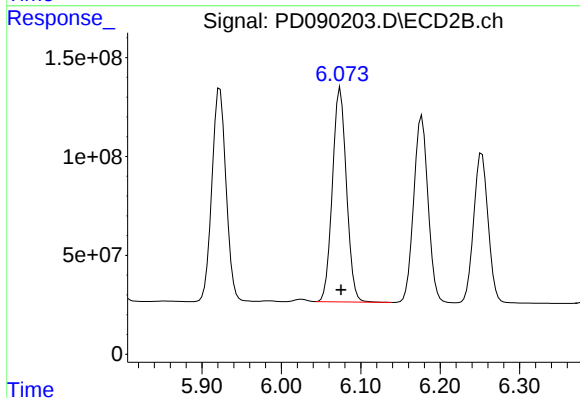
R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1259995383
Conc: 47.31 ng/ml



#15 Endosulfan II

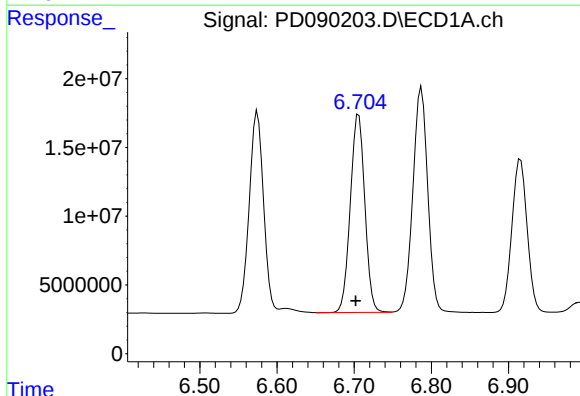
R.T.: 6.787 min
Delta R.T.: 0.004 min
Response: 217877976
Conc: 51.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



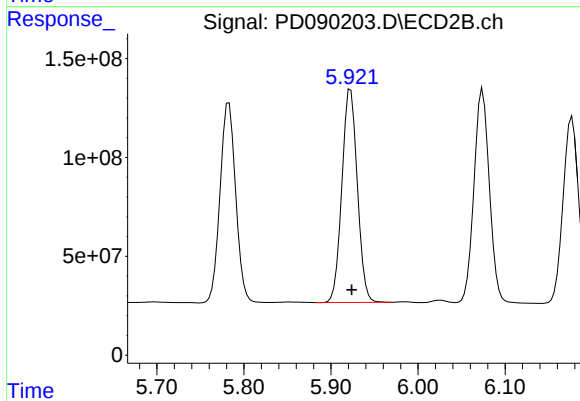
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 1329714761
Conc: 52.57 ng/ml



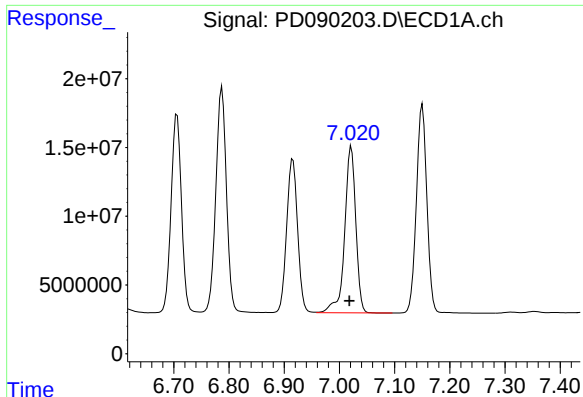
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.004 min
Response: 187934497
Conc: 54.33 ng/ml



#16 4,4'-DDD

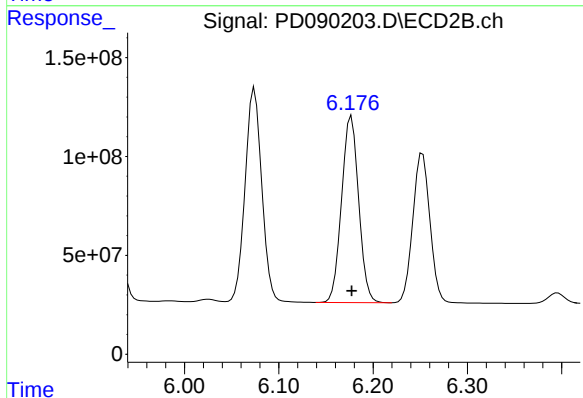
R.T.: 5.923 min
Delta R.T.: -0.001 min
Response: 1329507836
Conc: 55.30 ng/ml



#17 4,4'-DDT

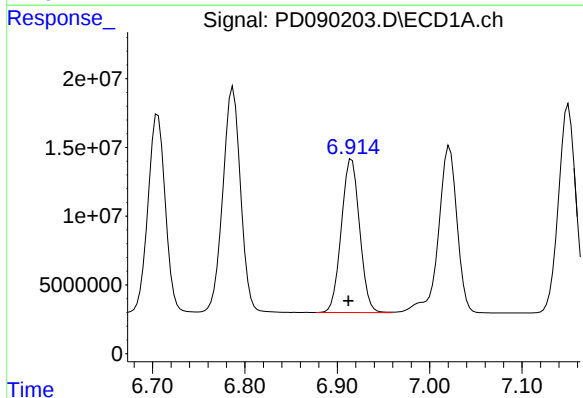
R.T.: 7.022 min
Delta R.T.: 0.004 min
Response: 169839342
Conc: 44.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



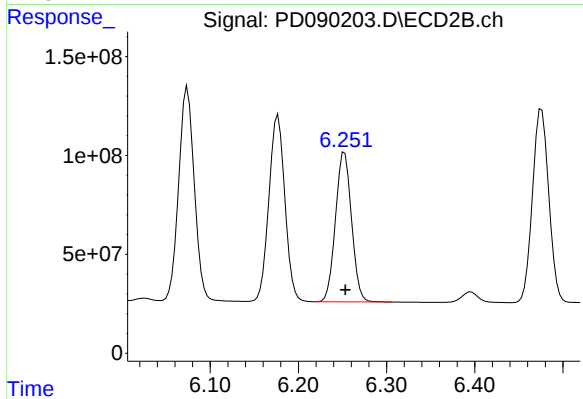
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1187776635
Conc: 47.38 ng/ml



#18 Endrin aldehyde

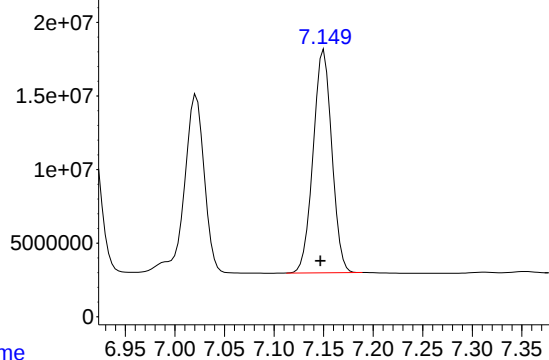
R.T.: 6.916 min
Delta R.T.: 0.004 min
Response: 153705910
Conc: 53.61 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 955544548
Conc: 55.49 ng/ml

Response_ Signal: PD090203.D\ECD1A.ch

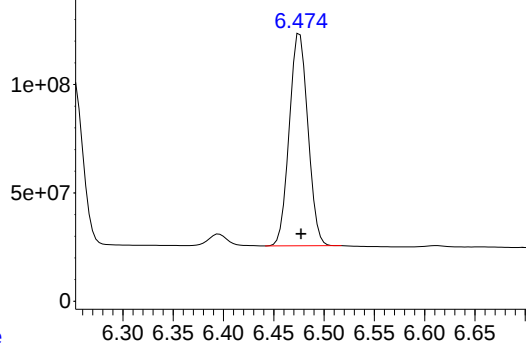


#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.004 min
Response: 198911414
Conc: 50.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

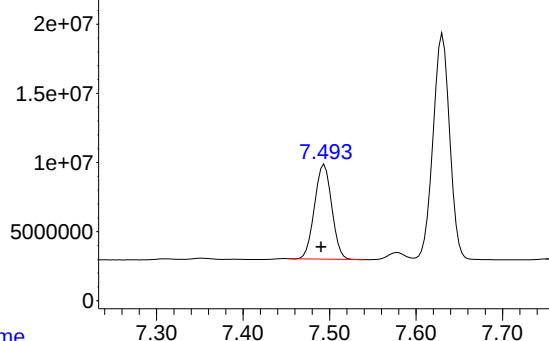
Time Response_ Signal: PD090203.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 1260995631
Conc: 51.72 ng/ml

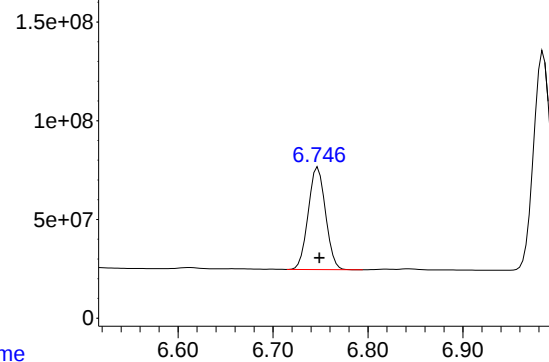
Time Response_ Signal: PD090203.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.004 min
Response: 94153827
Conc: 46.95 ng/ml

Time Response_ Signal: PD090203.D\ECD2B.ch



#20 Methoxychlor

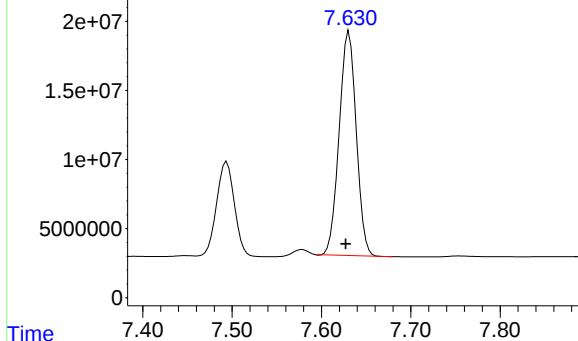
R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 657134296
Conc: 50.96 ng/ml

Response_ Signal: PD090203.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.004 min
Response: 214892233
Conc: 51.85 ng/ml

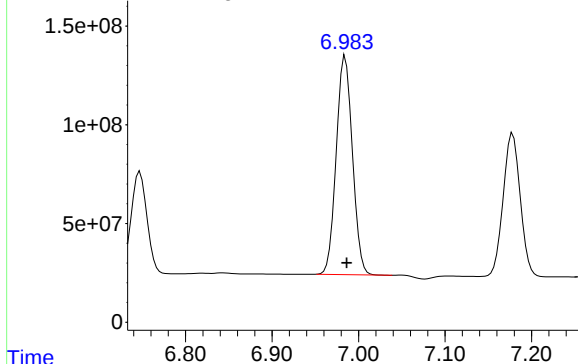
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



Time Response_ Signal: PD090203.D\ECD2B.ch

#21 Endrin ketone

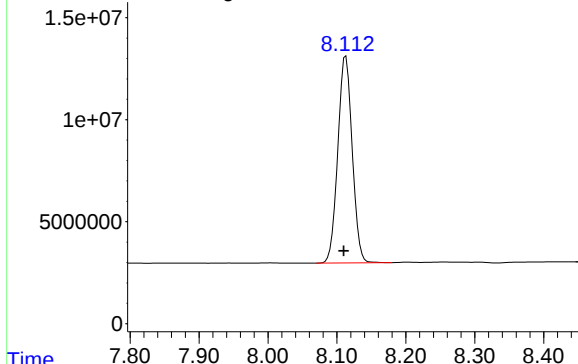
R.T.: 6.985 min
Delta R.T.: -0.001 min
Response: 1433904479
Conc: 53.82 ng/ml



Time Response_ Signal: PD090203.D\ECD1A.ch

#22 Mirex

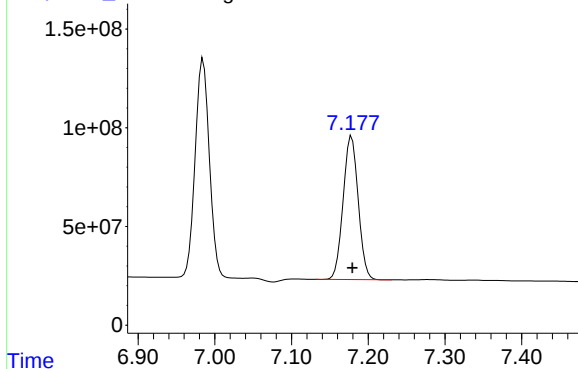
R.T.: 8.113 min
Delta R.T.: 0.003 min
Response: 147394836
Conc: 46.73 ng/ml

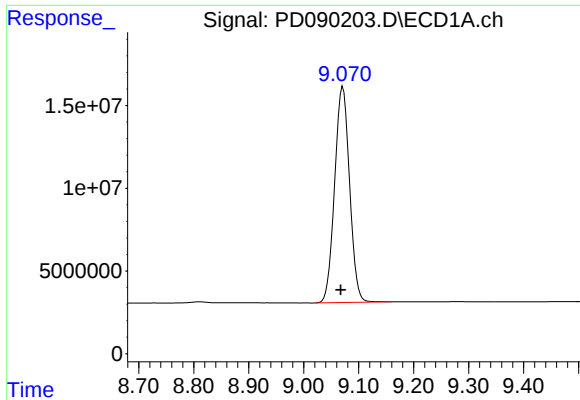


Time Response_ Signal: PD090203.D\ECD2B.ch

#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 995674895
Conc: 48.20 ng/ml

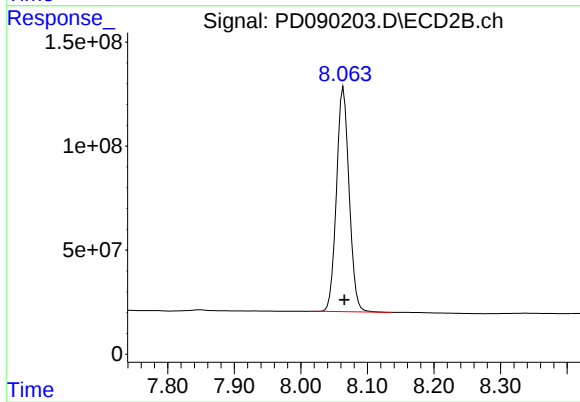




#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 246428140
Conc: 57.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 1423787713
Conc: 55.00 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD089962.D Date Analyzed: 08/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:57

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.067	8.970	9.170	19.240	20.000	-3.8
Tetrachloro-m-xylene	3.547	3.500	3.600	18.000	20.000	-10.0
alpha-BHC	3.996	3.950	4.050	8.460	10.000	-15.4
beta-BHC	4.514	4.460	4.560	9.550	10.000	-4.5
gamma-BHC (Lindane)	4.327	4.280	4.380	8.800	10.000	-12.0
Endrin	6.571	6.500	6.640	46.440	50.000	-7.1
4,4'-DDT	7.017	6.950	7.090	92.340	100.000	-7.7
Methoxychlor	7.490	7.420	7.560	216.780	250.000	-13.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD089962.D Date Analyzed: 08/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:57

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.065	7.960	8.170	18.090	20.000	-9.6
Tetrachloro-m-xylene	2.878	2.830	2.930	18.480	20.000	-7.6
alpha-BHC	3.390	3.340	3.440	9.940	10.000	-0.6
beta-BHC	4.022	3.970	4.070	10.050	10.000	0.5
gamma-BHC (Lindane)	3.726	3.680	3.780	9.780	10.000	-2.2
Endrin	5.784	5.710	5.850	44.880	50.000	-10.2
4,4'-DDT	6.177	6.110	6.250	86.730	100.000	-13.3
Methoxychlor	6.748	6.680	6.820	185.620	250.000	-25.8

Data File: PEM
Operator: PD089962.D **Date Acquired** 8/18/2025 10:57
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	192443757.4	195195761.6	2752004.26	Down 1.41
Endrin aldehyde	6.91	879623.21			
Endrin ketone	7.63	1872381.052			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1195139303	1228879346	33740043.1	2.75
Endrin aldehyde #2	6.25	12473710.24			
Endrin ketone #2	6.98	21266332.87			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	351797216	354267901.6	2470685.56	0.70
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	2470685.564			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2174184155	2193224587	19040431.5	0.87
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	19040431.55			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089962.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 10:57
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:50:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:46:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	52822124	407.5E6	17.998	18.482
28)	SA Decachlor...	9.067	8.065	83019356	468.1E6	19.236	18.085
Target Compounds							
2)	A alpha-BHC	3.996	3.390	50768567	337.3E6	8.458	9.937
3)	MA gamma-BHC...	4.327	3.726	50414597	304.8E6	8.803	9.777
6)	B beta-BHC	4.514	4.022	21427253	134.0E6	9.553	10.050
14)	MA Endrin	6.571	5.784	192.4E6	1195.1E6	46.444	44.876
16)	A 4,4'-DDD	6.702	5.925	2470686	19040432	0.714	0.792
17)	MA 4,4'-DDT	7.017	6.177	351.8E6	2174.2E6	92.342	86.726
18)	B Endrin al...	6.914	6.252	879623	12473710	0.307	0.724 #
20)	A Methoxychlor	7.490	6.748	434.8E6	2393.7E6	216.778	185.618
21)	B Endrin ke...	7.626	6.985	1872381	21266333	0.452	0.798 #

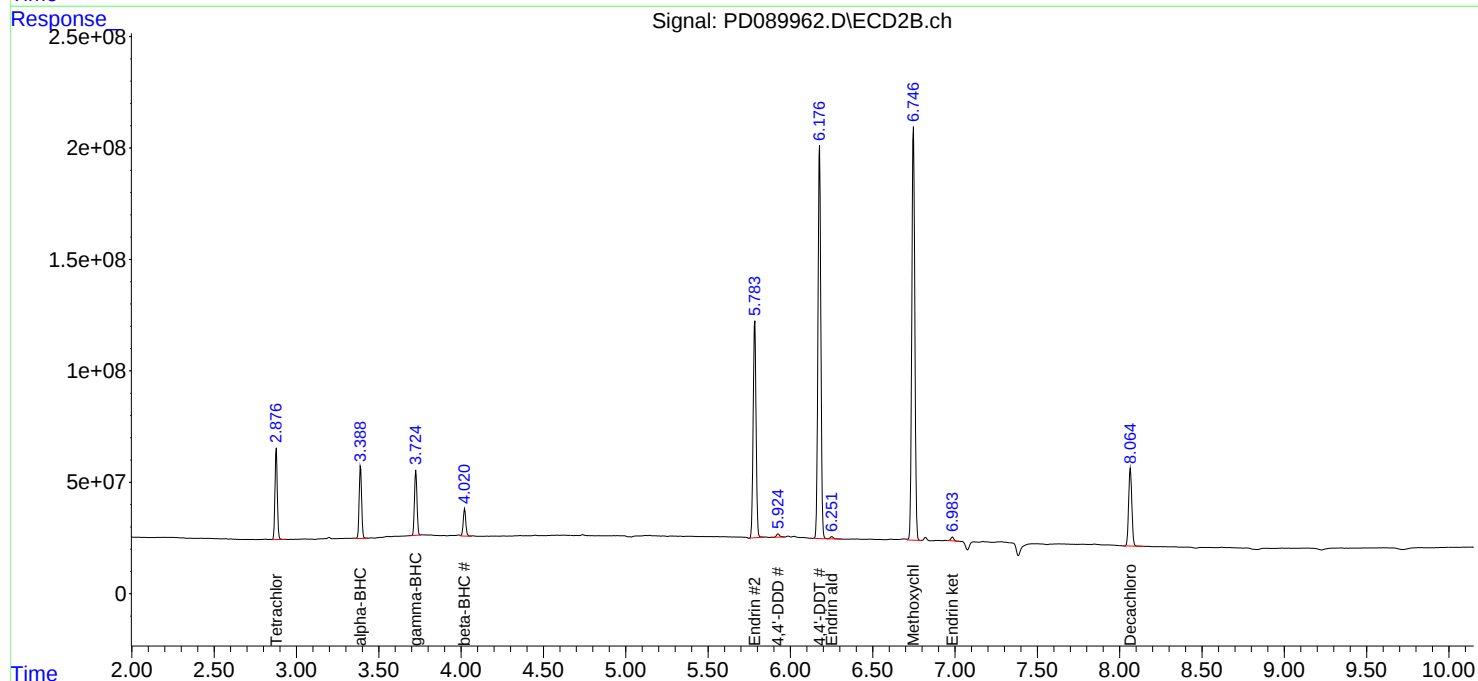
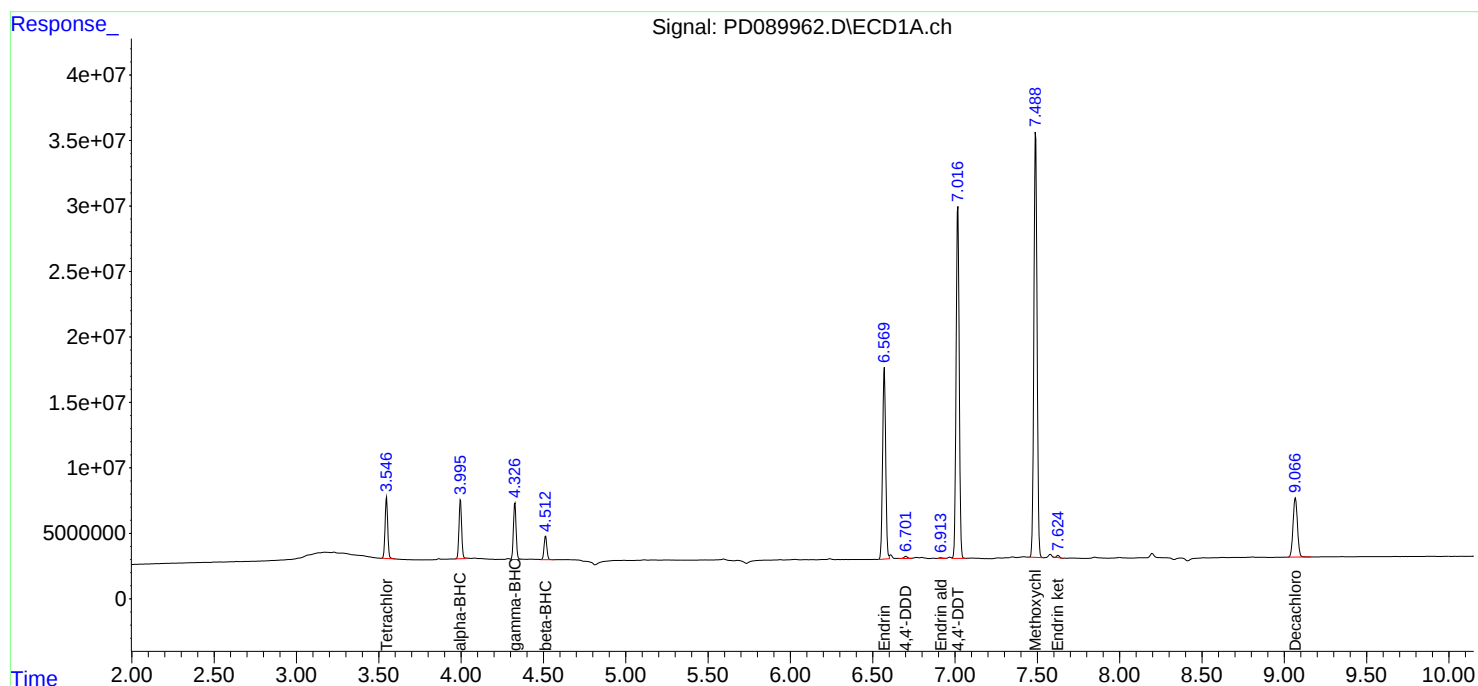
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

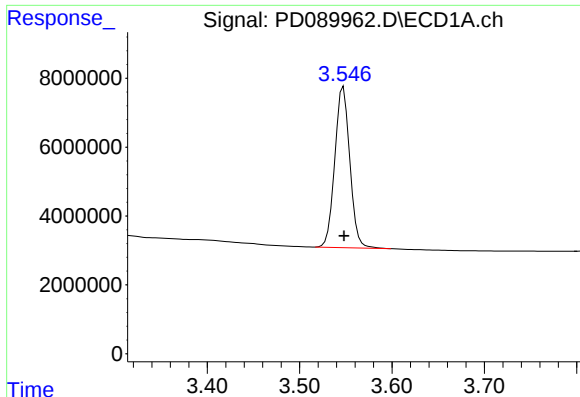
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089962.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:46:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

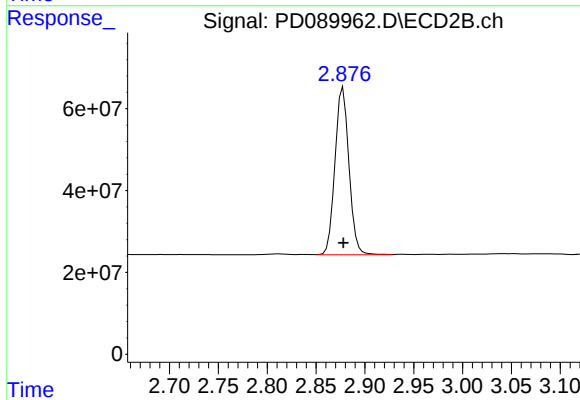




#1 Tetrachloro-m-xylene

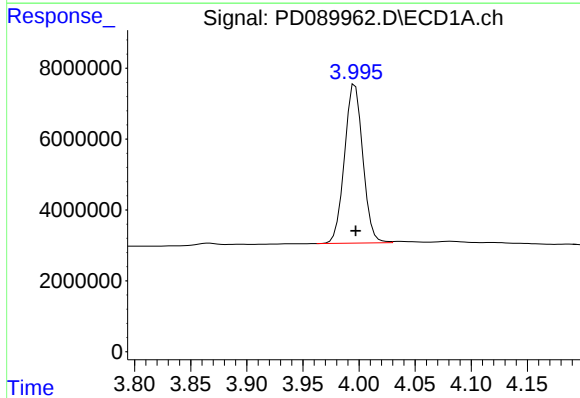
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 52822124
Conc: 18.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



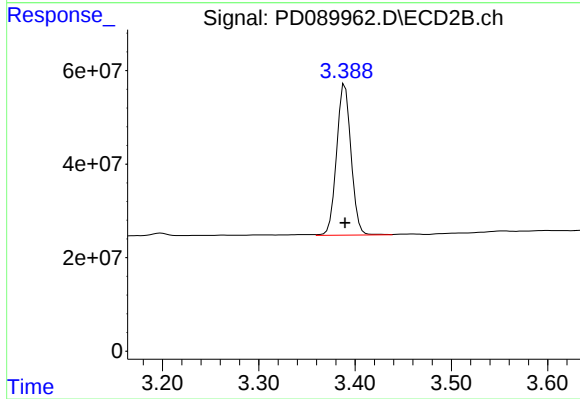
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 407544613
Conc: 18.48 ng/ml



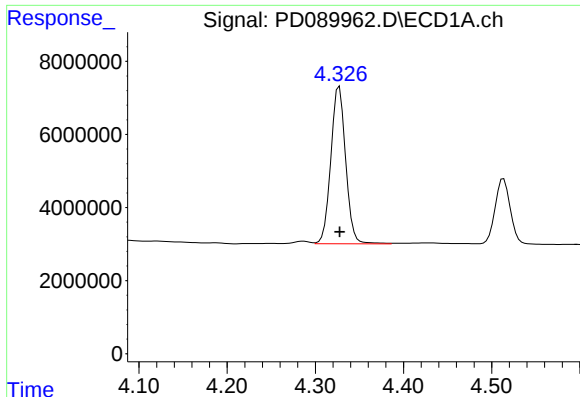
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 50768567
Conc: 8.46 ng/ml



#2 alpha-BHC

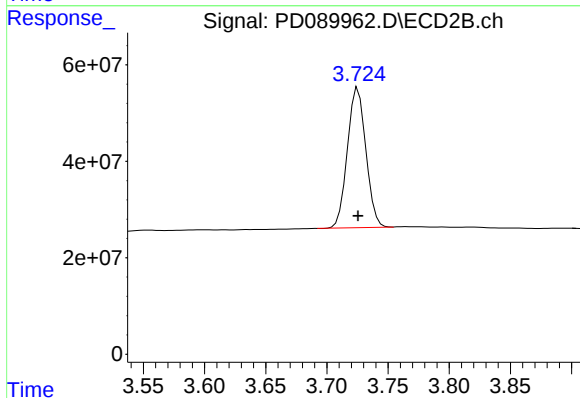
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 337254212
Conc: 9.94 ng/ml



#3 gamma-BHC (Lindane)

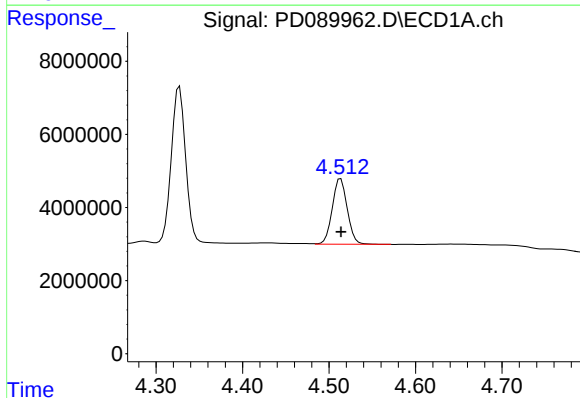
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 50414597
Conc: 8.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



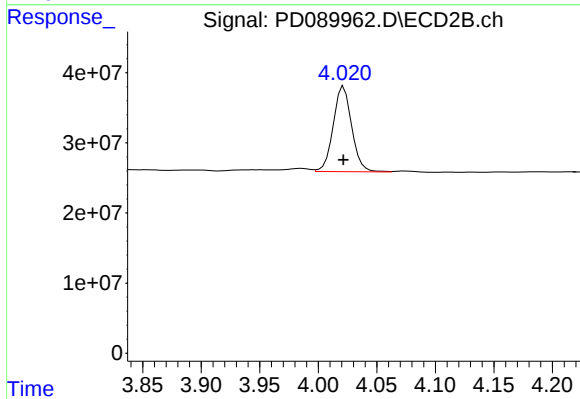
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 304756859
Conc: 9.78 ng/ml



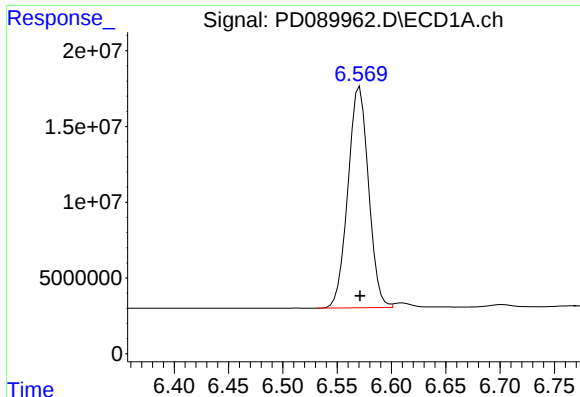
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 21427253
Conc: 9.55 ng/ml



#6 beta-BHC

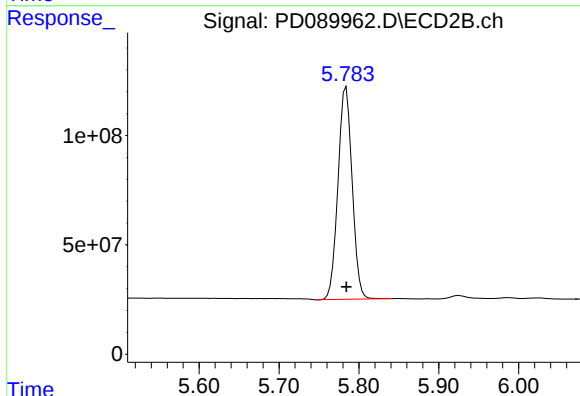
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 133964581
Conc: 10.05 ng/ml



#14 Endrin

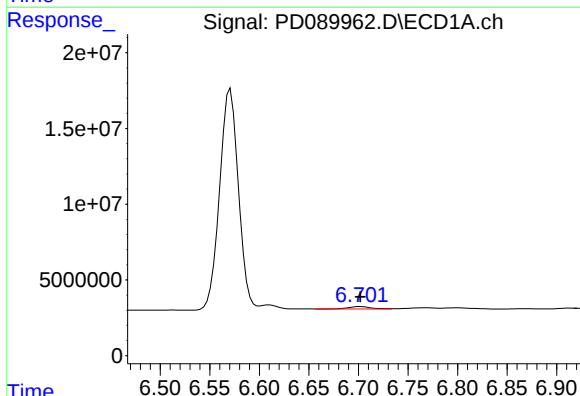
R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 192443757
Conc: 46.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



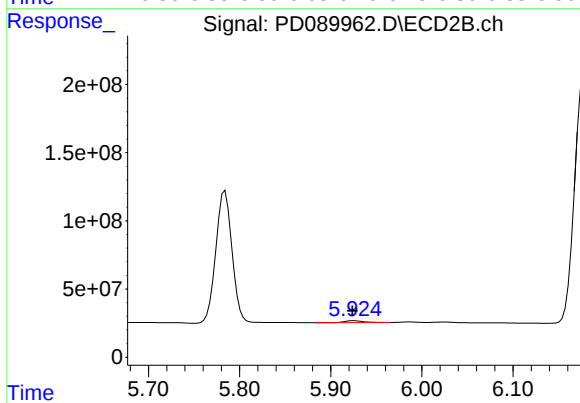
#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1195139303
Conc: 44.88 ng/ml



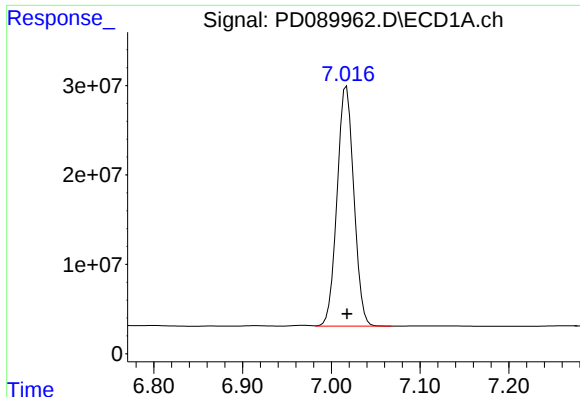
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 2470686
Conc: 0.71 ng/ml



#16 4,4'-DDD

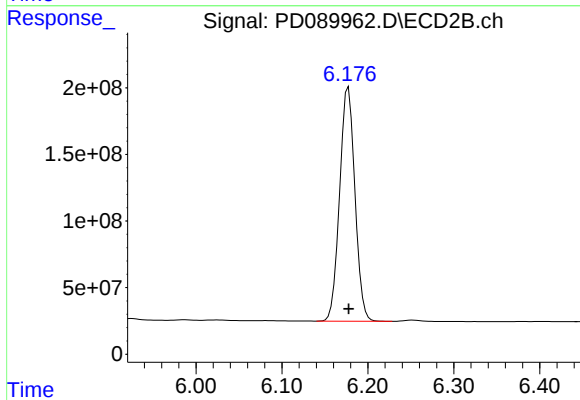
R.T.: 5.925 min
Delta R.T.: 0.001 min
Response: 19040432
Conc: 0.79 ng/ml



#17 4,4'-DDT

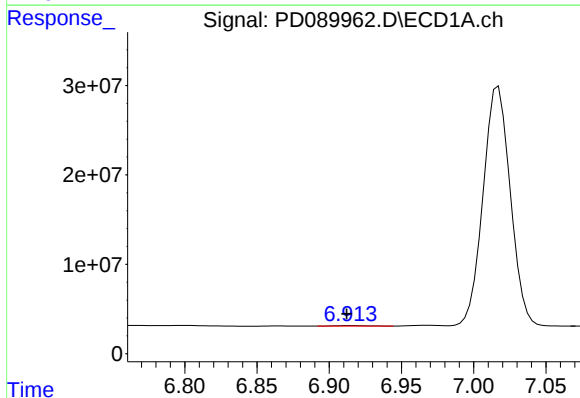
R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 351797216
Conc: 92.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



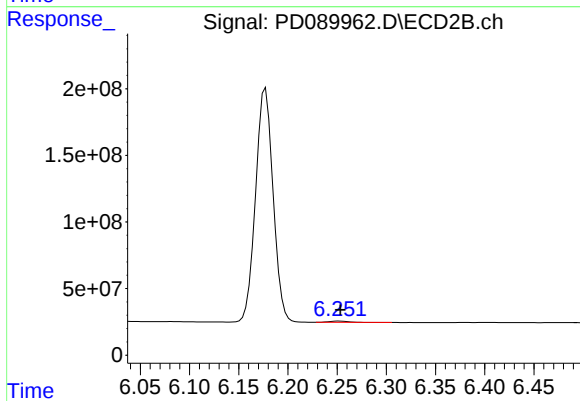
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 2174184155
Conc: 86.73 ng/ml



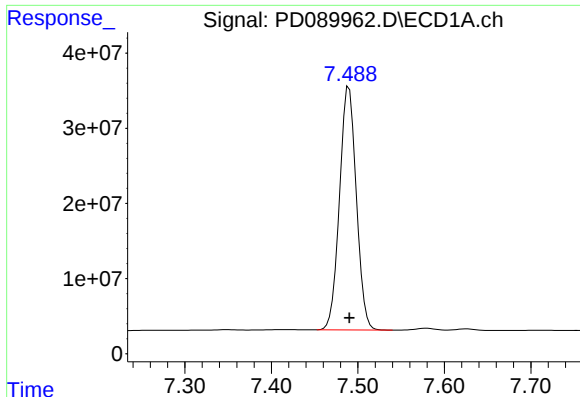
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 879623
Conc: 0.31 ng/ml



#18 Endrin aldehyde

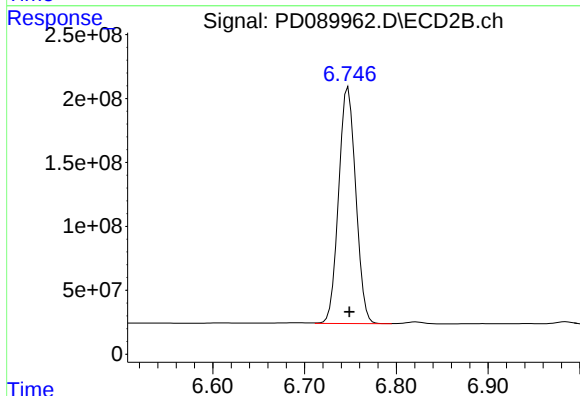
R.T.: 6.252 min
Delta R.T.: -0.001 min
Response: 12473710
Conc: 0.72 ng/ml



#20 Methoxychlor

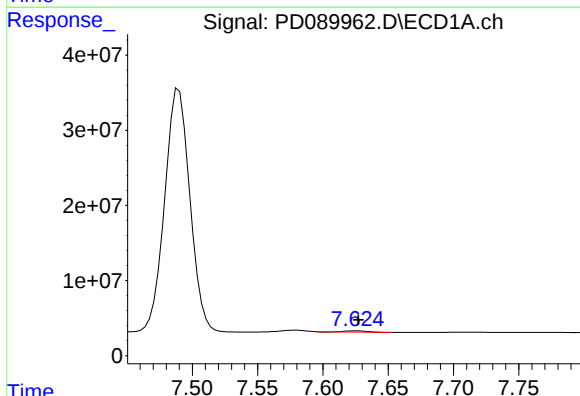
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 434773718
Conc: 216.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



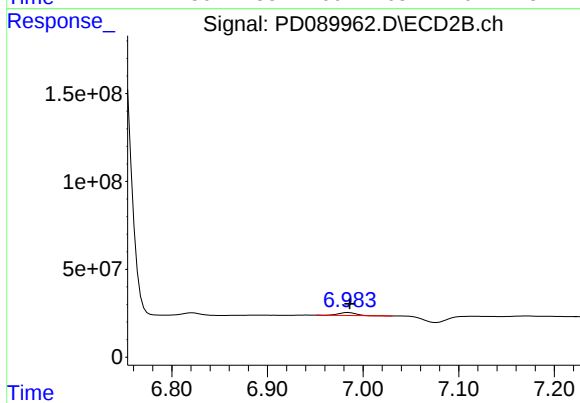
#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.001 min
Response: 2393691705
Conc: 185.62 ng/ml



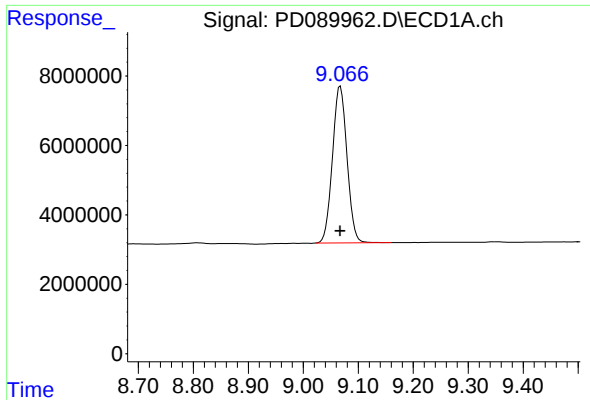
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 1872381
Conc: 0.45 ng/ml



#21 Endrin ketone

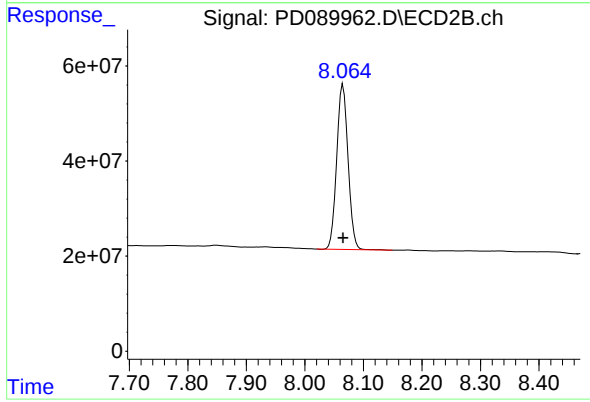
R.T.: 6.985 min
Delta R.T.: -0.002 min
Response: 21266333
Conc: 0.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 83019356
Conc: 19.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 468147648
Conc: 18.09 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090183.D Date Analyzed: 09/08/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:56

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.068	8.970	9.170	17.290	20.000	-13.6
Tetrachloro-m-xylene	3.549	3.500	3.600	19.160	20.000	-4.2
alpha-BHC	3.998	3.950	4.050	9.150	10.000	-8.5
beta-BHC	4.515	4.460	4.570	10.160	10.000	1.6
gamma-BHC (Lindane)	4.328	4.280	4.380	9.380	10.000	-6.2
Endrin	6.571	6.500	6.640	40.570	50.000	-18.9
4,4'-DDT	7.018	6.950	7.090	71.170	100.000	-28.8
Methoxychlor	7.490	7.420	7.560	162.130	250.000	-35.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090183.D Date Analyzed: 09/08/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:56

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.960	8.160	16.260	20.000	-18.7
Tetrachloro-m-xylene	2.877	2.830	2.930	20.410	20.000	2.1
alpha-BHC	3.389	3.340	3.440	10.990	10.000	9.9
beta-BHC	4.020	3.970	4.070	10.900	10.000	9.0
gamma-BHC (Lindane)	3.724	3.670	3.770	10.810	10.000	8.1
Endrin	5.782	5.710	5.850	42.070	50.000	-15.9
4,4'-DDT	6.175	6.100	6.250	75.760	100.000	-24.2
Methoxychlor	6.746	6.680	6.820	145.130	250.000	-41.9

P
Data File: PEM
Operator: PD090183.D **Date Acquired** 9/8/2025 9:56
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	168105234.1	186884818	18779583.9	Down 10.05
Endrin aldehyde	6.91	4767539.178			
Endrin ketone	7.63	14012044.73			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1120428365	1282369122	161940756	12.63
Endrin aldehyde #2	6.25	35431323.81			
Endrin ketone #2	6.98	126509432.5			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	271140377.8	295555058.4	24414680.6	8.26
4,4'-DDE	6.19	1152482.73			
4,4'-DDD	6.70	23262197.87			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1899250317	2095740551	196490234	9.38
4,4'-DDE #2	5.37	9180244.714			
4,4'-DDD #2	5.92	187309989.7			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090183.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 09:56
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:40:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.877	56230857	450.1E6	19.160	20.413
28) SA Decachlor...	9.068	8.063	74601640	420.8E6	17.285	16.255
Target Compounds						
2) A alpha-BHC	3.998	3.389	54931379	372.8E6	9.152	10.985
3) MA gamma-BHC...	4.328	3.724	53737787	337.0E6	9.383	10.812
6) B beta-BHC	4.515	4.020	22794882	145.3E6	10.163	10.897
12) B 4,4'-DDE	6.192	5.368	1152483	9180245	0.263	0.319
14) MA Endrin	6.571	5.782	168.1E6	1120.4E6	40.570	42.070
16) A 4,4'-DDD	6.702	5.922	23262198	187.3E6	6.725	7.790
17) MA 4,4'-DDT	7.018	6.175	271.1E6	1899.3E6	71.170	75.759
18) B Endrin al...	6.912	6.251	4767539	35431324	1.663	2.058
20) A Methoxychlor	7.490	6.746	325.2E6	1871.6E6	162.131	145.130
21) B Endrin ke...	7.625	6.983	14012045	126.5E6	3.381m	4.748 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 09:56
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

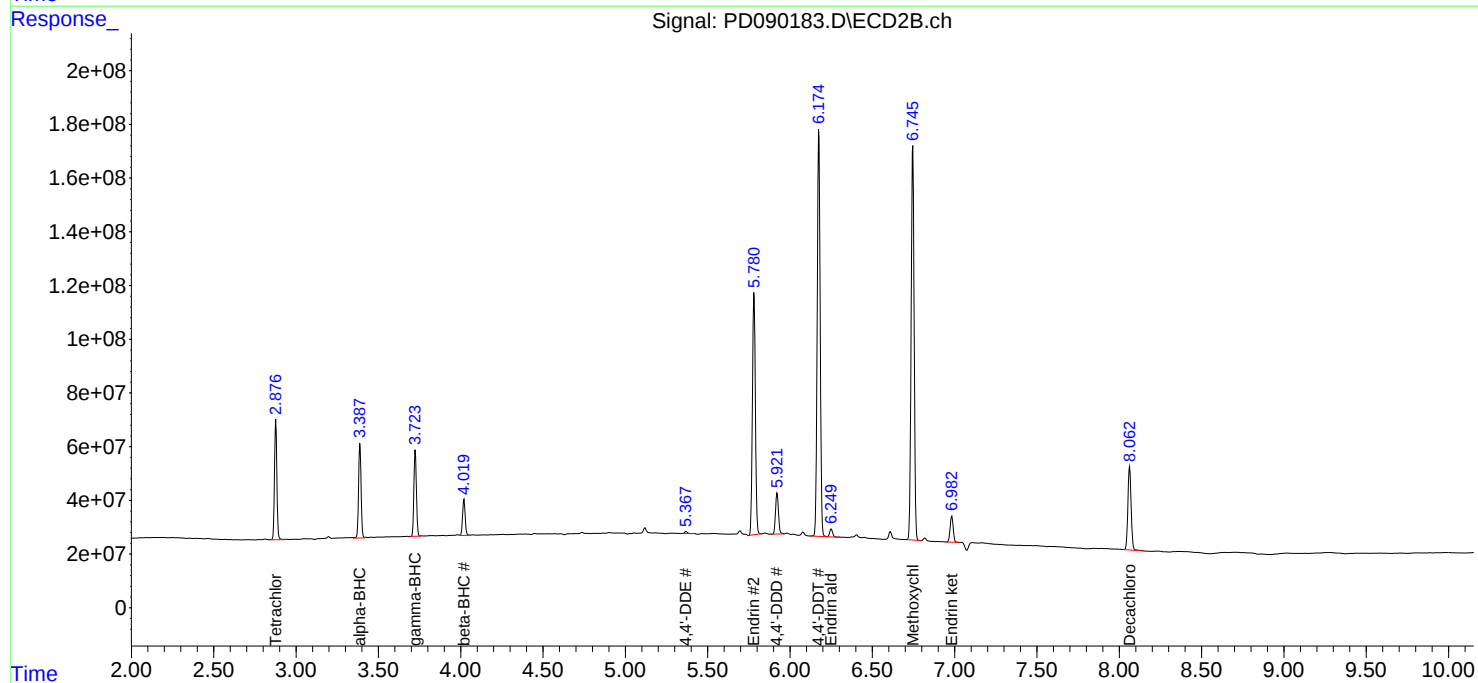
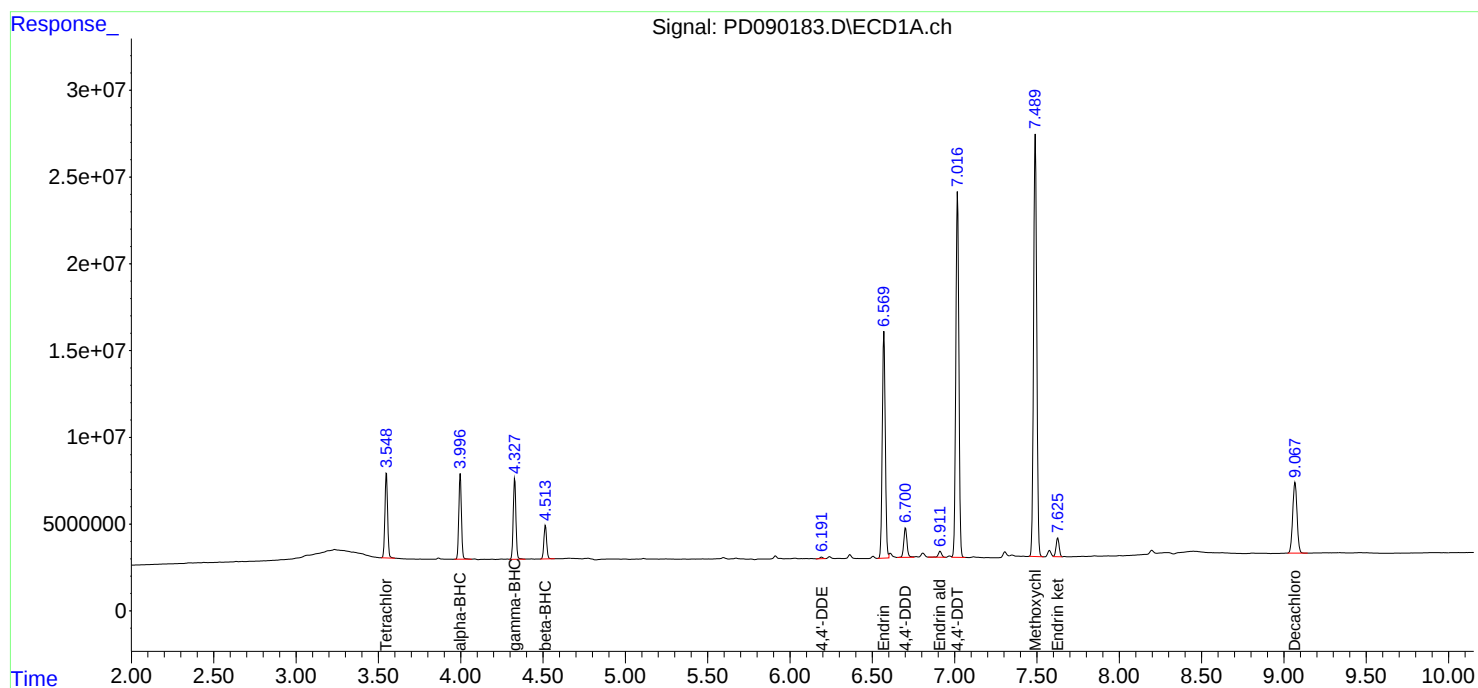
Instrument :
ECD_D
ClientSampleId :
PEM

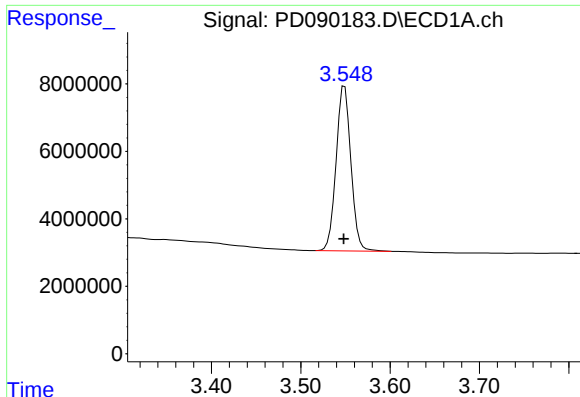
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:40:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





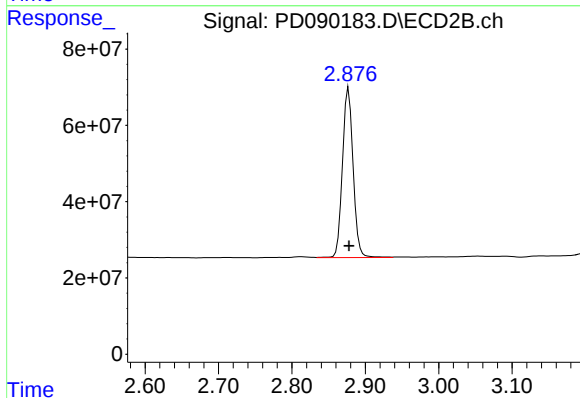
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.001 min
Response: 56230857
Conc: 19.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

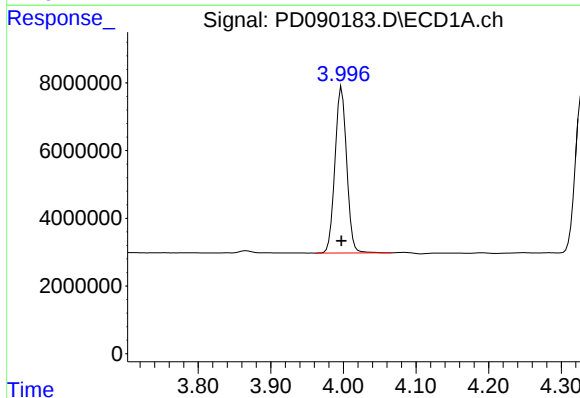
Manual Integrations
APPROVED

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



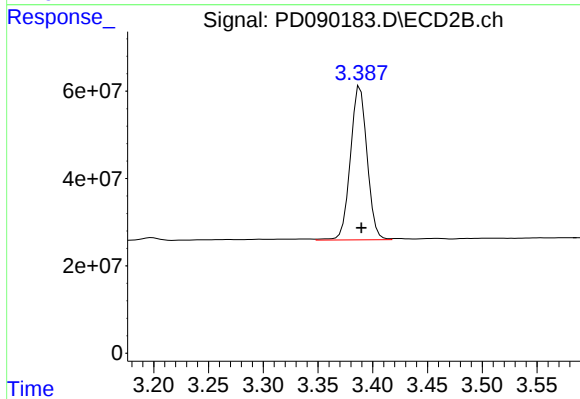
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 450127394
Conc: 20.41 ng/ml



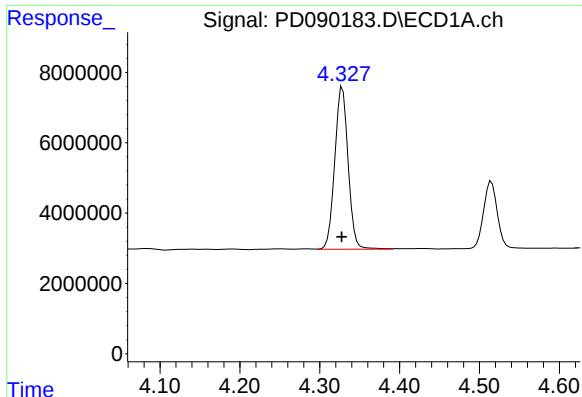
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 54931379
Conc: 9.15 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 372819945
Conc: 10.99 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 53737787
Conc: 9.38 ng/ml

Instrument :

ECD_D

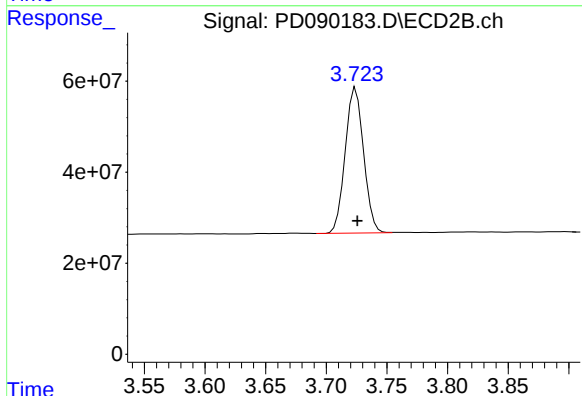
ClientSampleId :

PEM

Manual Integrations
APPROVED

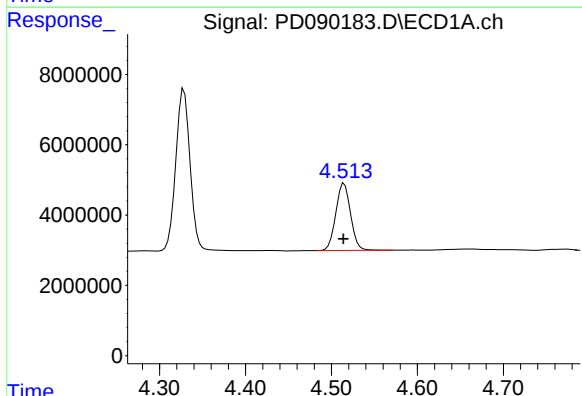
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



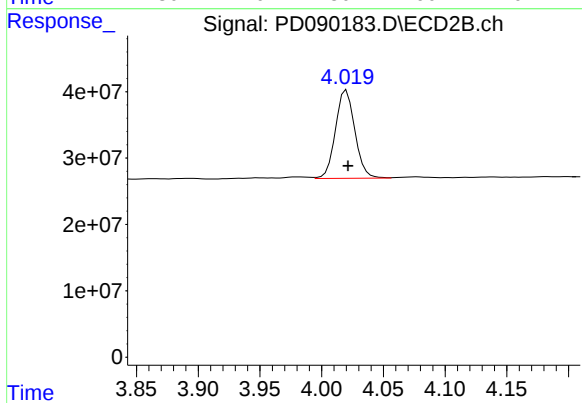
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.001 min
Response: 337004148
Conc: 10.81 ng/ml



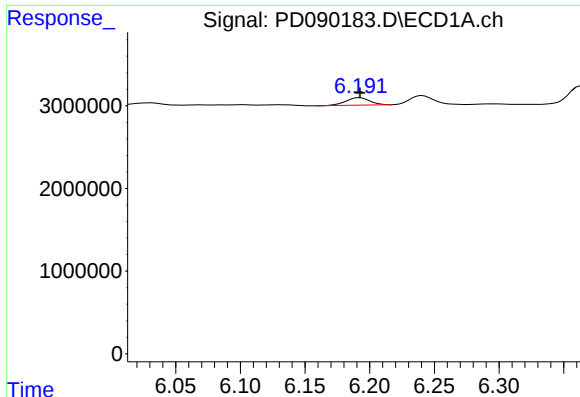
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 22794882
Conc: 10.16 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.001 min
Response: 145257767
Conc: 10.90 ng/ml



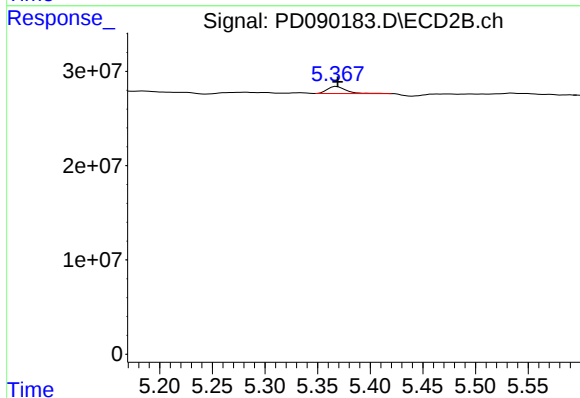
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 1152483
Conc: 0.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

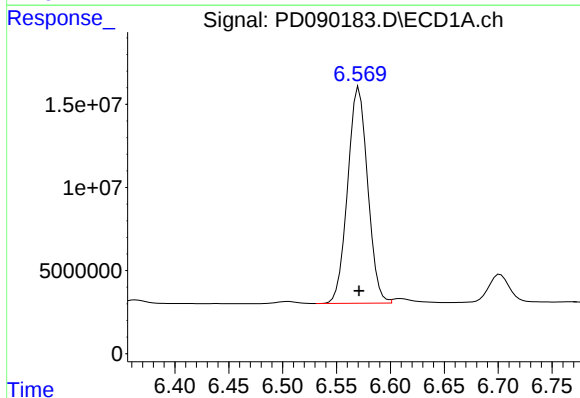
Manual Integrations
APPROVED

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



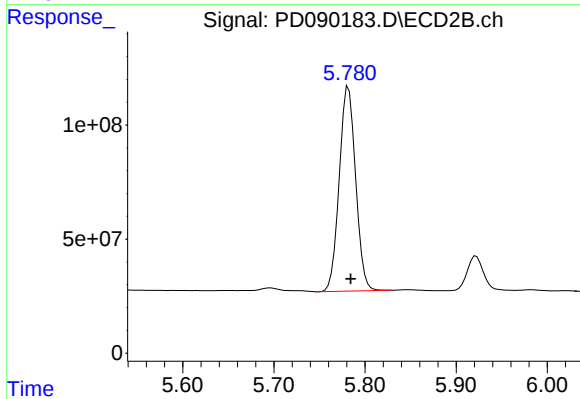
#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: -0.001 min
Response: 9180245
Conc: 0.32 ng/ml



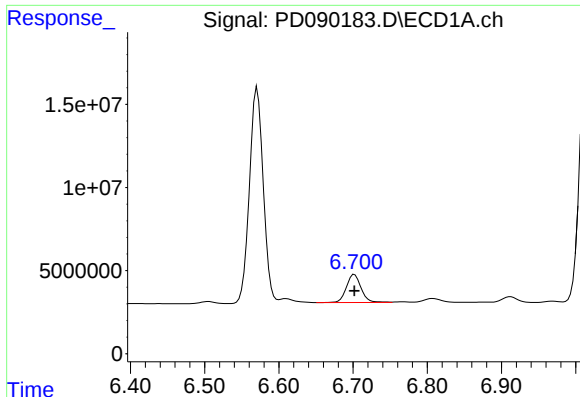
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 168105234
Conc: 40.57 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 1120428365
Conc: 42.07 ng/ml



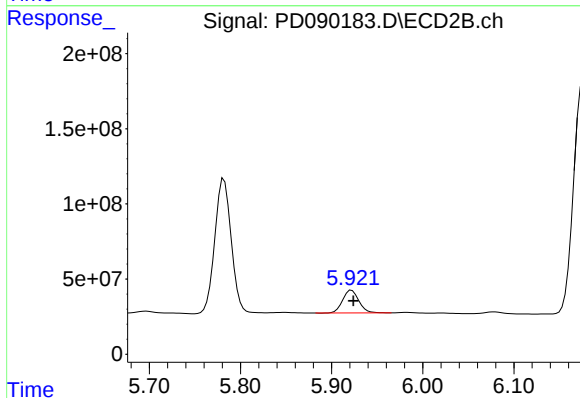
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 23262198
Conc: 6.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

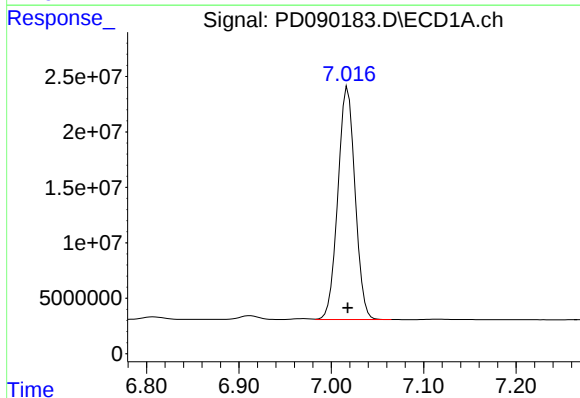
Manual Integrations
APPROVED

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



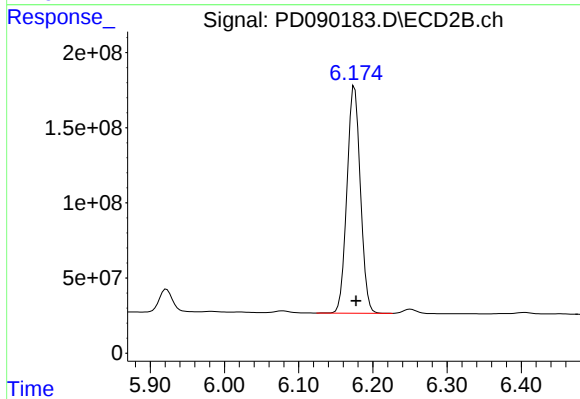
#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.002 min
Response: 187309990
Conc: 7.79 ng/ml



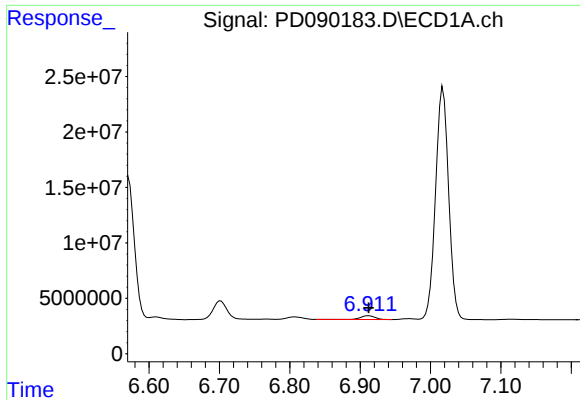
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 271140378
Conc: 71.17 ng/ml



#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.002 min
Response: 1899250317
Conc: 75.76 ng/ml



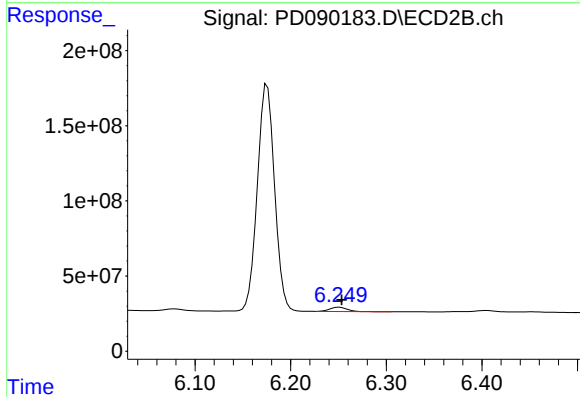
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 4767539
Conc: 1.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

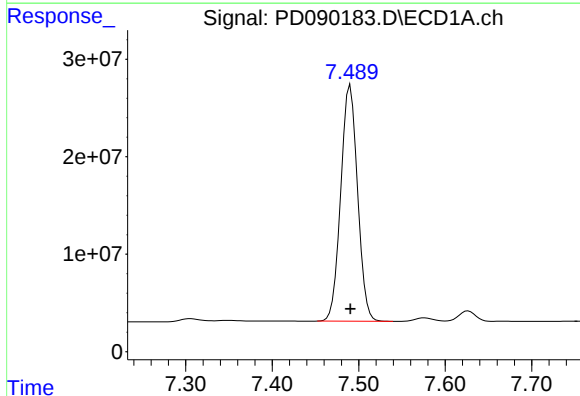
Manual Integrations
APPROVED

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



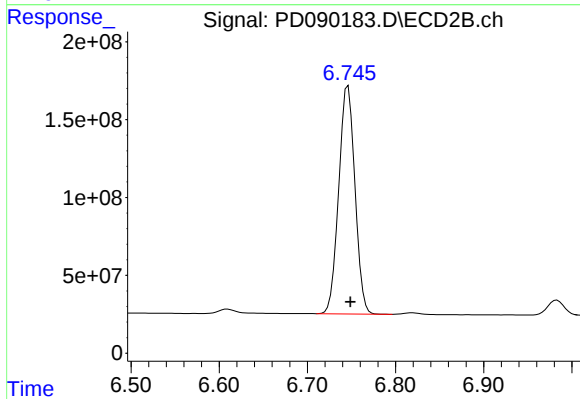
#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.003 min
Response: 35431324
Conc: 2.06 ng/ml



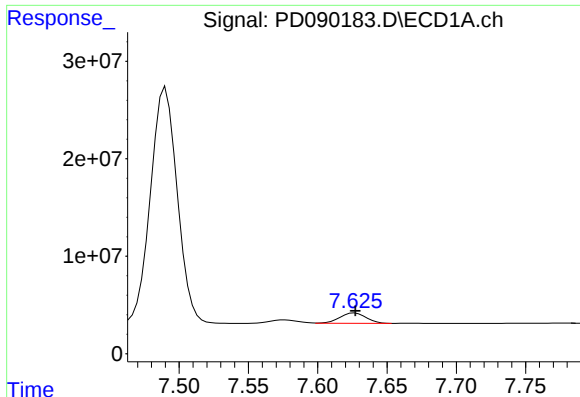
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 325172036
Conc: 162.13 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.003 min
Response: 1871565187
Conc: 145.13 ng/ml



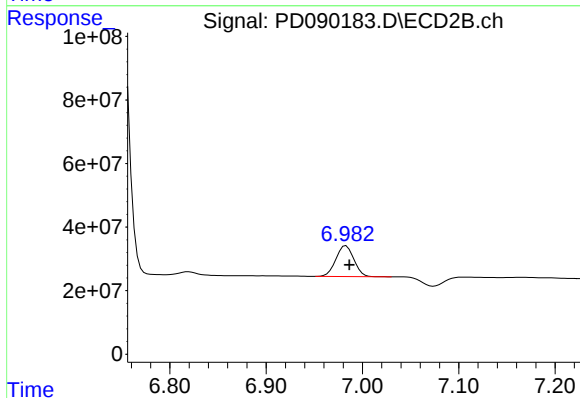
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 14012045
Conc: 3.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

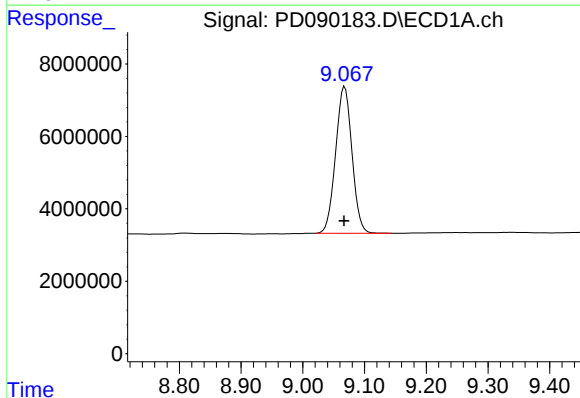
Manual Integrations
APPROVED

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



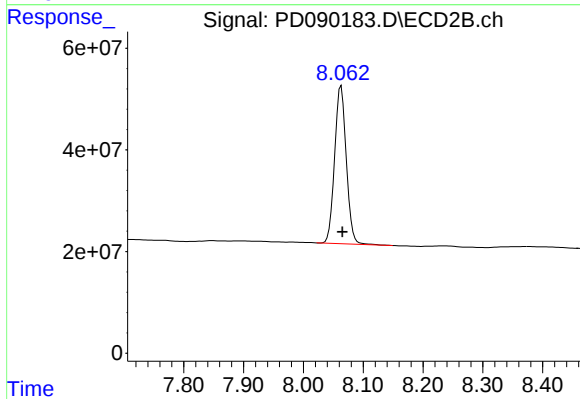
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.003 min
Response: 126509433
Conc: 4.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 74601640
Conc: 17.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.002 min
Response: 420781980
Conc: 16.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089963.D
Acq On : 18 Aug 2025 11:11
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Title : GC Extractables
Last Update : Tue Aug 19 05:46:23 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.547	5.942	100.00%
5.942	6.071	100.00%
6.071	6.192	100.00%
6.192	6.343	100.00%
6.343	7.146	100.00%
7.146	7.490	100.00%
7.490	7.627	100.00%
7.627	9.067	100.00%

Signal #2

2.877	5.120	100.00%
5.120	5.242	100.00%
5.242	5.369	100.00%
5.369	5.507	100.00%
5.507	6.477	100.00%
6.477	6.748	100.00%
6.748	6.986	100.00%
6.986	8.065	100.00%

PD081825.M Tue Aug 19 06:45:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089963.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:11
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:50:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:46:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	51436205	399.9E6	17.526	18.136
28)	SA Decachlor...	9.067	8.065	78486470	449.1E6	18.185	17.349
Target Compounds							
9)	A Endosulfan I	6.071	5.242	38316895	233.7E6	8.303	8.914
10)	B gamma-Chl...	5.942	5.120	41454854	284.6E6	8.476	9.610
12)	B 4,4'-DDE	6.192	5.369	76260501	533.3E6	17.378	18.503
13)	MA Dieldrin	6.343	5.507	83807641	528.6E6	17.118	18.049
19)	B Endosulfa...	7.146	6.477	69663640	444.5E6	17.778	18.232
20)	A Methoxychlor	7.490	6.748	170.7E6	1029.5E6	85.111	79.829
21)	B Endrin ke...	7.627	6.986	72376845	479.6E6	17.463	18.001

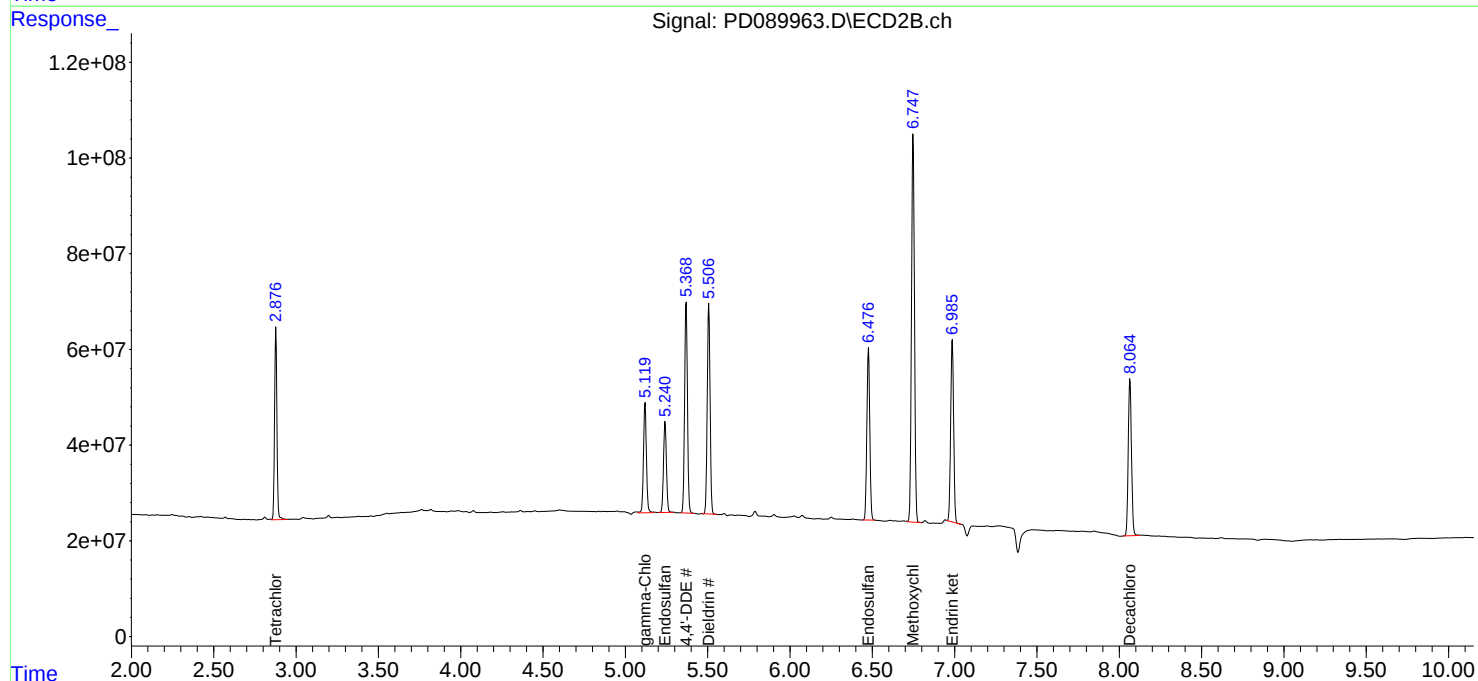
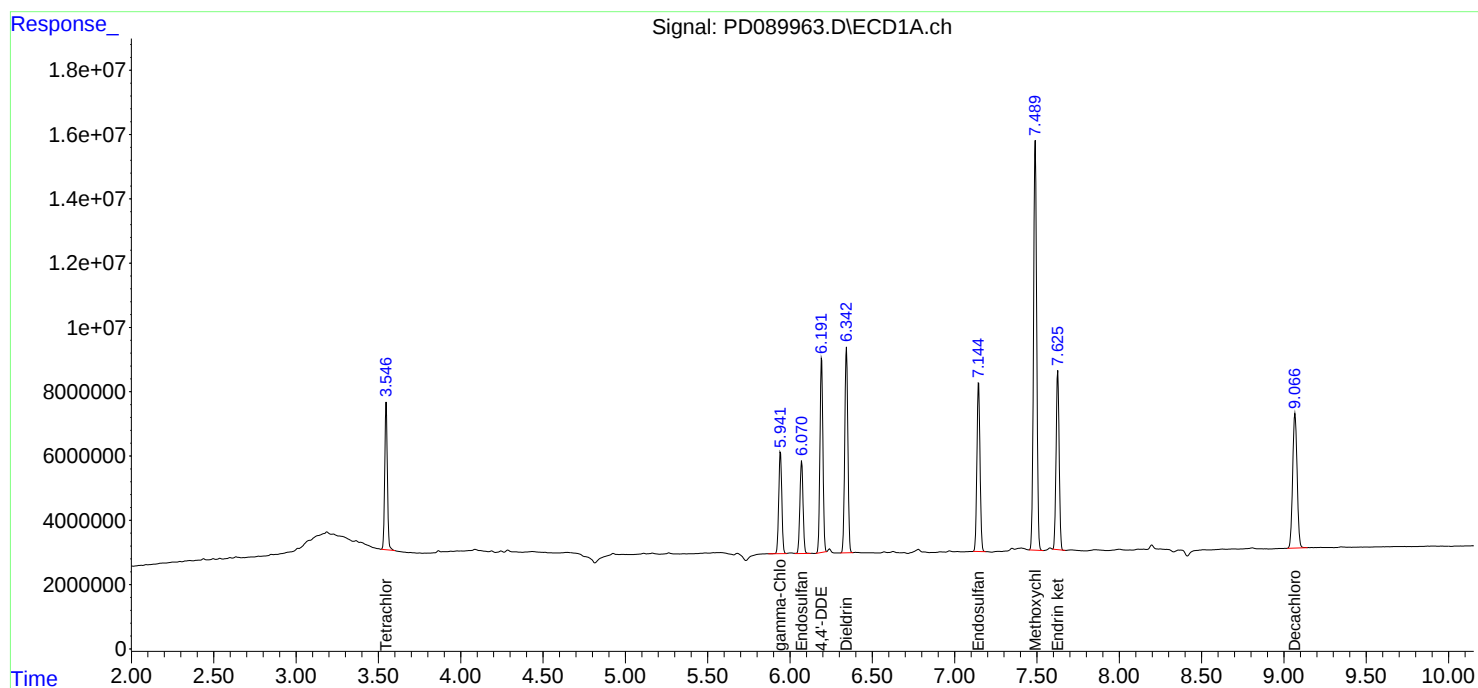
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

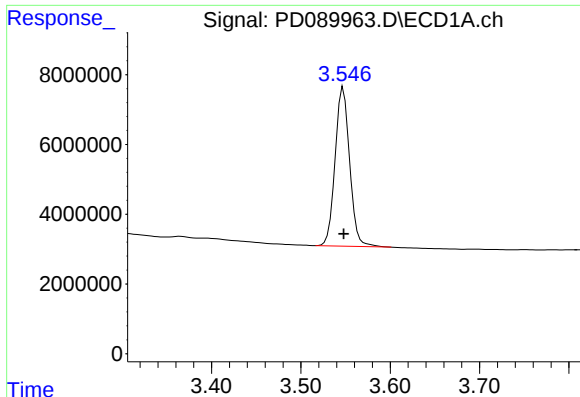
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:11
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:50:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:46:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

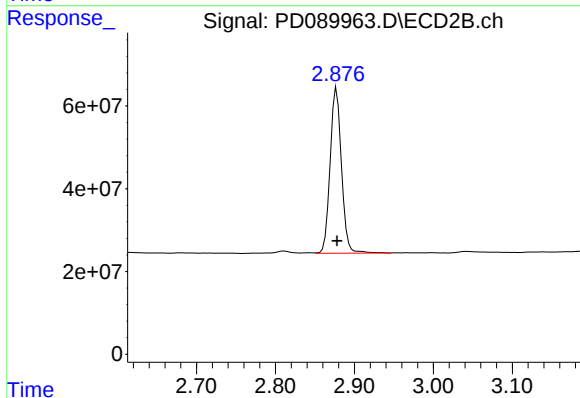




#1 Tetrachloro-m-xylene

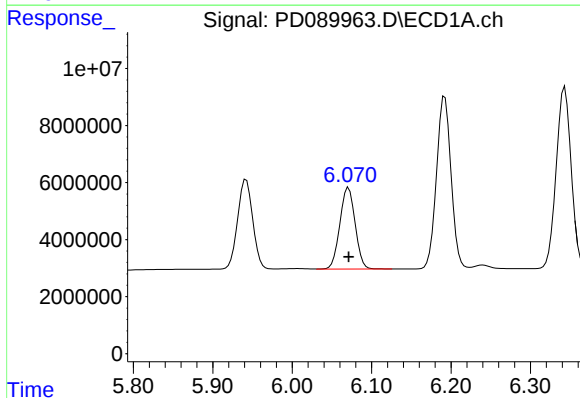
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 51436205
Conc: 17.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



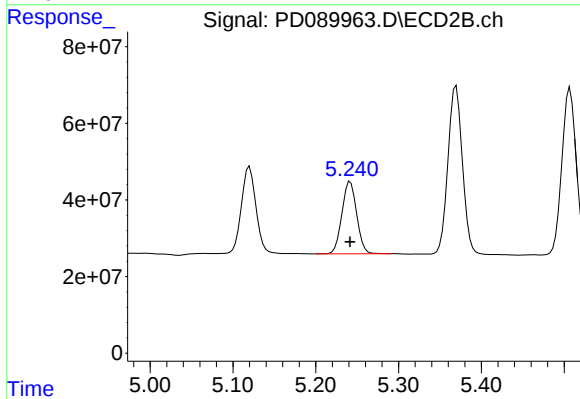
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 399914823
Conc: 18.14 ng/ml



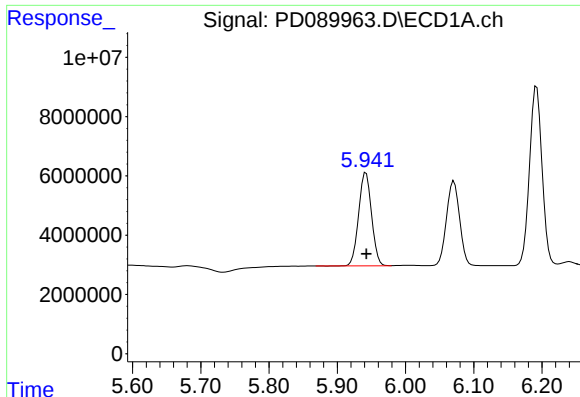
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 38316895
Conc: 8.30 ng/ml



#9 Endosulfan I

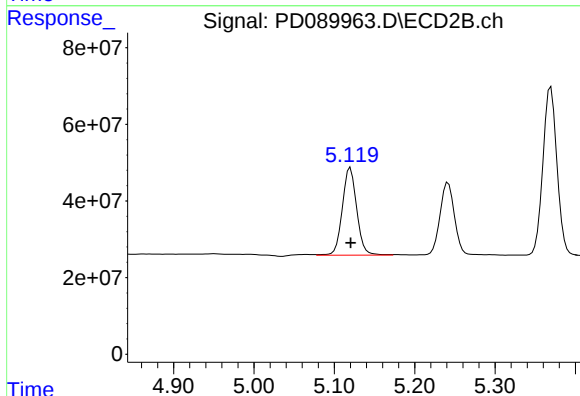
R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 233749878
Conc: 8.91 ng/ml



#10 gamma-Chlordane

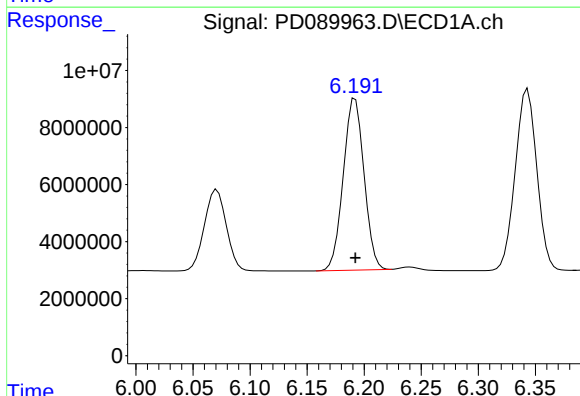
R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 41454854
Conc: 8.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



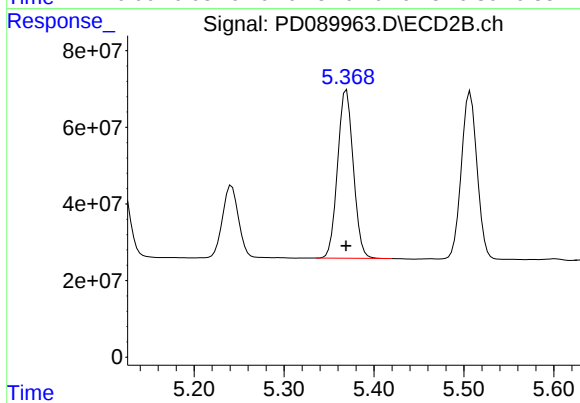
#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 284563857
Conc: 9.61 ng/ml



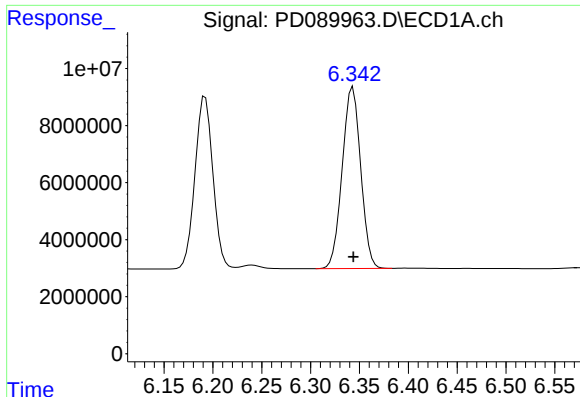
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 76260501
Conc: 17.38 ng/ml



#12 4,4'-DDE

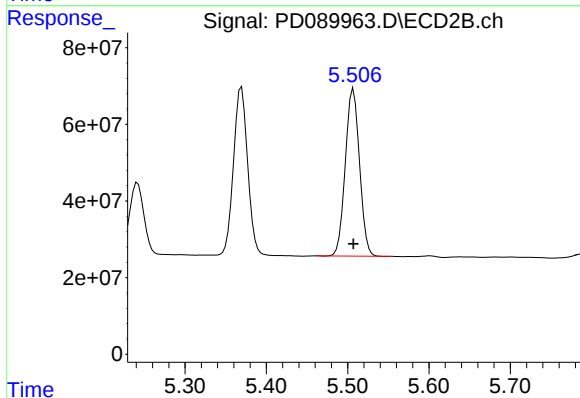
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 533310087
Conc: 18.50 ng/ml



#13 Dieldrin

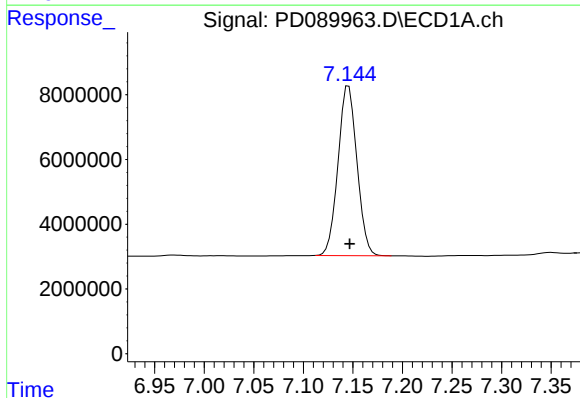
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 83807641
Conc: 17.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



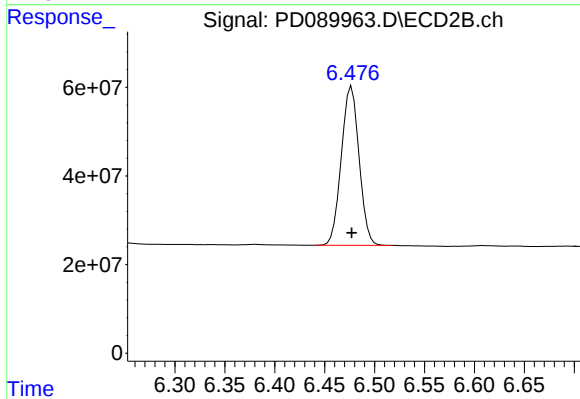
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 528613395
Conc: 18.05 ng/ml



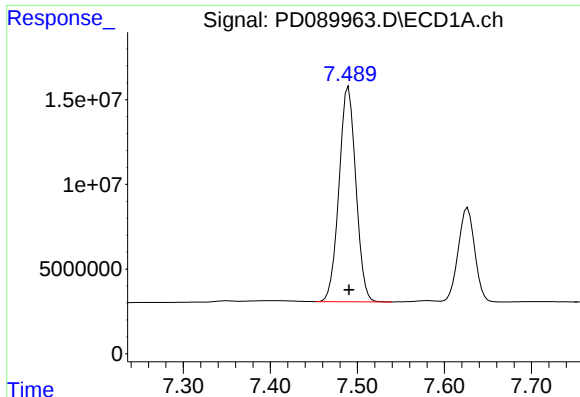
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: -0.001 min
Response: 69663640
Conc: 17.78 ng/ml



#19 Endosulfan Sulfate

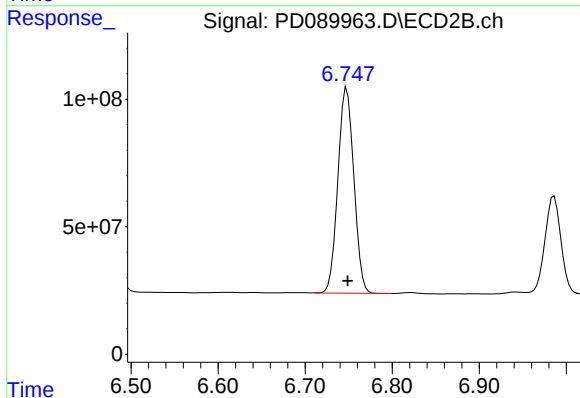
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 444483987
Conc: 18.23 ng/ml



#20 Methoxychlor

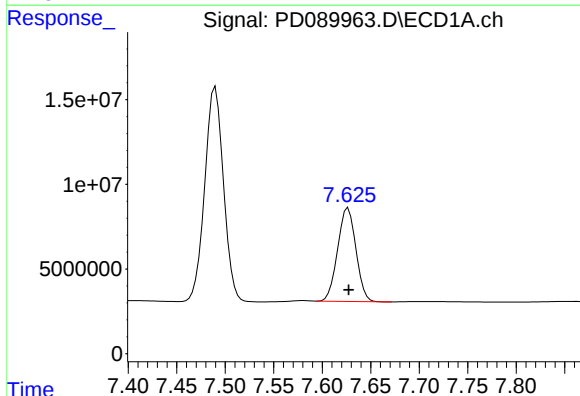
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 170700084
Conc: 85.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



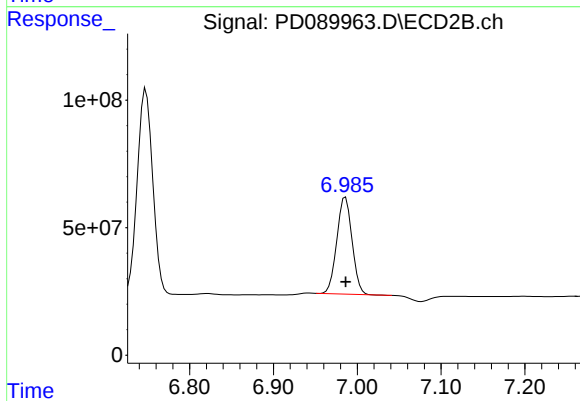
#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 1029459046
Conc: 79.83 ng/ml



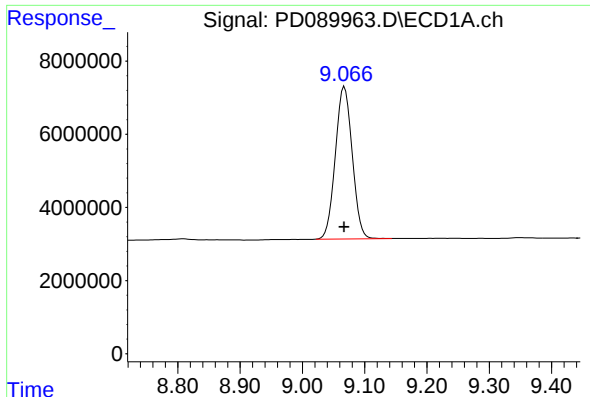
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 72376845
Conc: 17.46 ng/ml



#21 Endrin ketone

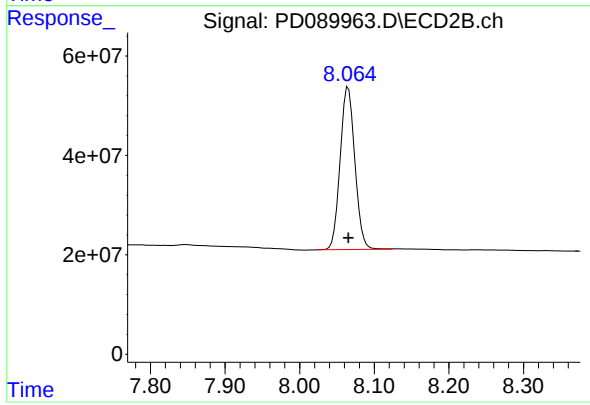
R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 479625043
Conc: 18.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 78486470
Conc: 18.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 449091853
Conc: 17.35 ng/ml

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q3015
Project: NJ Waste Water PT	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 08/18/2025 08/18/2025

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	08/18/2025	10:44	PD089961.D	9.07	3.55
PEM	PEM	08/18/2025	10:57	PD089962.D	9.07	3.55
RESCHK	RESCHK	08/18/2025	11:11	PD089963.D	9.07	3.55
PSTDICCC100	PSTDICCC100	08/18/2025	11:25	PD089964.D	9.07	3.55
PSTDICCC075	PSTDICCC075	08/18/2025	11:39	PD089965.D	9.07	3.55
PSTDICCC050	PSTDICCC050	08/18/2025	11:53	PD089966.D	9.07	3.55
PSTDICCC025	PSTDICCC025	08/18/2025	12:06	PD089967.D	9.07	3.55
PSTDICCC005	PSTDICCC005	08/18/2025	12:20	PD089968.D	9.07	3.55
PTOXICCC500	PTOXICCC500	08/18/2025	15:31	PD089976.D	9.07	3.55
PCHLORICCC500	PCHLORICCC500	08/19/2025	11:24	PD089988.D	9.07	3.55
PEM	PEM	09/08/2025	09:56	PD090183.D	9.07	3.55
IBLK	IBLK	09/08/2025	15:52	PD090194.D	9.07	3.55
PSTDCCCC050	PSTDCCCC050	09/08/2025	16:26	PD090195.D	9.08	3.56
PB169601BL	PB169601BL	09/08/2025	16:40	PD090196.D	9.07	3.55
WP0925-PT-PEST-WP	Q3015-09	09/08/2025	16:54	PD090197.D	9.07	3.55
WP0925-PT-PEST-WPDL	Q3015-09DL	09/08/2025	17:46	PD090198.D	9.08	3.56
WP0925-PT-PEST-WPDL2	Q3015-09DL2	09/08/2025	18:00	PD090199.D	0.00	0.00
PB169601BS	PB169601BS	09/08/2025	18:16	PD090200.D	9.07	3.55
PB169601BSD	PB169601BSD	09/08/2025	18:29	PD090201.D	9.07	3.55
IBLK	IBLK	09/08/2025	18:43	PD090202.D	9.07	3.55
PSTDCCCC050	PSTDCCCC050	09/08/2025	18:59	PD090203.D	9.07	3.55

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q3015
Project: NJ Waste Water PT	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 08/18/2025 08/18/2025

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	08/18/2025	10:44	PD089961.D	8.06	2.88
PEM	PEM	08/18/2025	10:57	PD089962.D	8.07	2.88
RESCHK	RESCHK	08/18/2025	11:11	PD089963.D	8.07	2.88
PSTDICCC100	PSTDICCC100	08/18/2025	11:25	PD089964.D	8.07	2.88
PSTDICCC075	PSTDICCC075	08/18/2025	11:39	PD089965.D	8.07	2.88
PSTDICCC050	PSTDICCC050	08/18/2025	11:53	PD089966.D	8.07	2.88
PSTDICCC025	PSTDICCC025	08/18/2025	12:06	PD089967.D	8.06	2.88
PSTDICCC005	PSTDICCC005	08/18/2025	12:20	PD089968.D	8.07	2.88
PTOXICCC500	PTOXICCC500	08/18/2025	15:31	PD089976.D	8.07	2.88
PCHLORICCC500	PCHLORICCC500	08/19/2025	11:24	PD089988.D	8.06	2.88
PEM	PEM	09/08/2025	09:56	PD090183.D	8.06	2.88
IBLK	IBLK	09/08/2025	15:52	PD090194.D	8.06	2.88
PSTDCCCC050	PSTDCCCC050	09/08/2025	16:26	PD090195.D	8.07	2.88
PB169601BL	PB169601BL	09/08/2025	16:40	PD090196.D	8.06	2.88
WP0925-PT-PEST-WP	Q3015-09	09/08/2025	16:54	PD090197.D	8.06	2.88
WP0925-PT-PEST-WPDL	Q3015-09DL	09/08/2025	17:46	PD090198.D	8.06	2.88
WP0925-PT-PEST-WPDL2	Q3015-09DL2	09/08/2025	18:00	PD090199.D	0.00	0.00
PB169601BS	PB169601BS	09/08/2025	18:16	PD090200.D	8.06	2.88
PB169601BSD	PB169601BSD	09/08/2025	18:29	PD090201.D	8.06	2.88
IBLK	IBLK	09/08/2025	18:43	PD090202.D	8.06	2.88
PSTDCCCC050	PSTDCCCC050	09/08/2025	18:59	PD090203.D	8.06	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169601BS

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB169601BS

Date(s) Analyzed: 09/08/2025

09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	0.56	2
	2	6.07	6.02	6.12	0.57	
Endrin aldehyde	1	6.92	6.87	6.97	0.61	2.3
	2	6.25	6.20	6.30	0.63	
Endosulfan sulfate	1	7.15	7.10	7.20	0.52	1.6
	2	6.48	6.43	6.53	0.53	
Methoxychlor	1	7.49	7.44	7.54	0.43	8.2
	2	6.75	6.70	6.80	0.47	
Endrin ketone	1	7.63	7.58	7.68	0.56	2
	2	6.99	6.94	7.04	0.57	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.57	0.7
	2	3.73	3.68	3.78	0.57	
Heptachlor	1	4.93	4.88	4.98	0.56	0.8
	2	4.08	4.03	4.13	0.55	
delta-BHC	1	4.77	4.72	4.82	0.46	4.7
	2	4.26	4.21	4.31	0.44	
Heptachlor epoxide	1	5.69	5.64	5.74	0.58	0.3
	2	4.87	4.82	4.92	0.58	
Endosulfan I	1	6.08	6.03	6.13	0.57	0.9
	2	5.24	5.19	5.29	0.57	
gamma-Chlordane	1	5.95	5.90	6.00	0.58	1.4
	2	5.12	5.07	5.17	0.59	
Dieldrin	1	6.35	6.30	6.40	0.57	1.2
	2	5.51	5.46	5.56	0.58	
Endrin	1	6.57	6.52	6.62	0.49	7.2
	2	5.78	5.73	5.83	0.52	
4,4'-DDD	1	6.71	6.66	6.76	0.60	0.6
	2	5.92	5.87	5.97	0.61	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169601BS

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB169601BS

Date(s) Analyzed: 09/08/2025 09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.47	4.8
	2	6.18	6.13	6.23	0.50	
alpha-BHC	1	4.00	3.95	4.05	0.57	0.7
	2	3.39	3.34	3.44	0.56	
Aldrin	1	5.27	5.22	5.32	0.59	1.3
	2	4.36	4.31	4.41	0.58	
beta-BHC	1	4.52	4.47	4.57	0.55	3.5
	2	4.02	3.97	4.07	0.57	
alpha-Chlordane	1	6.03	5.98	6.08	0.57	2.2
	2	5.18	5.13	5.23	0.58	
4,4'-DDE	1	6.20	6.15	6.25	0.57	2.6
	2	5.37	5.32	5.42	0.59	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169601BSD

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB169601BSD

Date(s) Analyzed: 09/08/2025 09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.78	6.73	6.83	0.56	2.2
	2	6.07	6.02	6.12	0.57	
4,4'-DDD	1	6.70	6.65	6.75	0.61	0.3
	2	5.92	5.87	5.97	0.61	
4,4'-DDT	1	7.02	6.97	7.07	0.47	5.9
	2	6.18	6.13	6.23	0.50	
Endrin aldehyde	1	6.91	6.86	6.96	0.61	3.2
	2	6.25	6.20	6.30	0.63	
Endosulfan sulfate	1	7.15	7.10	7.20	0.51	2.3
	2	6.48	6.43	6.53	0.53	
alpha-BHC	1	4.00	3.95	4.05	0.56	0
	2	3.39	3.34	3.44	0.56	
Aldrin	1	5.27	5.22	5.32	0.58	0.6
	2	4.36	4.31	4.41	0.58	
beta-BHC	1	4.52	4.47	4.57	0.55	4.3
	2	4.02	3.97	4.07	0.57	
delta-BHC	1	4.76	4.71	4.81	0.46	4.9
	2	4.26	4.21	4.31	0.44	
Endosulfan I	1	6.07	6.02	6.12	0.57	1
	2	5.24	5.19	5.29	0.57	
alpha-Chlordane	1	6.02	5.97	6.07	0.57	2.4
	2	5.18	5.13	5.23	0.58	
4,4'-DDE	1	6.19	6.14	6.24	0.57	3.1
	2	5.37	5.32	5.42	0.59	
Dieldrin	1	6.34	6.29	6.39	0.57	2.4
	2	5.51	5.46	5.56	0.58	
Endrin	1	6.57	6.52	6.62	0.48	8.3
	2	5.78	5.73	5.83	0.53	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169601BSD

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB169601BSD

Date(s) Analyzed: 09/08/2025 09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	0.44	9.2
	2	6.75	6.70	6.80	0.48	
Endrin ketone	1	7.63	7.58	7.68	0.57	0.6
	2	6.98	6.93	7.03	0.57	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.56	1.1
	2	3.73	3.68	3.78	0.57	
Heptachlor	1	4.93	4.88	4.98	0.55	0.1
	2	4.08	4.03	4.13	0.55	
Heptachlor epoxide	1	5.69	5.64	5.74	0.58	0.7
	2	4.87	4.82	4.92	0.58	
gamma-Chlordane	1	5.94	5.89	5.99	0.58	1.6
	2	5.12	5.07	5.17	0.59	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WP0925-PT-PEST-WP

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-09

Date(s) Analyzed: 09/08/2025 09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.78	6.73	6.83	13.6	60.3
	2	6.07	6.02	6.12	7.30	
4,4'-DDD	1	6.70	6.65	6.75	9.80	34.7
	2	5.92	5.87	5.97	6.90	
4,4'-DDT	1	7.02	6.97	7.07	1.60	0
	2	6.18	6.13	6.23	1.60	
Endrin aldehyde	1	6.91	6.86	6.96	15.7	63.9
	2	6.25	6.20	6.30	8.10	
Endosulfan sulfate	1	7.15	7.10	7.20	12.3	61.7
	2	6.48	6.43	6.53	6.50	
Methoxychlor	1	7.49	7.44	7.54	7.10	32.8
	2	6.75	6.70	6.80	5.10	
Endrin ketone	1	7.63	7.58	7.68	10.7	69.2
	2	6.99	6.94	7.04	5.20	
alpha-BHC	1	4.00	3.95	4.05	23.6	92.3
	2	3.40	3.35	3.45	8.70	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.3	83.9
	2	3.73	3.68	3.78	8.30	
Heptachlor	1	4.93	4.88	4.98	6.30	33.3
	2	4.08	4.03	4.13	4.50	
Aldrin	1	5.27	5.22	5.32	1.80	11.8
	2	4.36	4.31	4.41	1.60	
beta-BHC	1	4.52	4.47	4.57	14.3	46.6
	2	4.02	3.97	4.07	8.90	
delta-BHC	1	4.76	4.71	4.81	17.6	72.9
	2	4.26	4.21	4.31	8.20	
Heptachlor epoxide	1	5.69	5.64	5.74	5.40	27.4
	2	4.87	4.82	4.92	4.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WP0925-PT-PEST-WP

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-09

Date(s) Analyzed: 09/08/2025 09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	16.8	64.6
	2	5.24	5.19	5.29	8.60	
gamma-Chlordane	1	5.94	5.89	5.99	8.90	45.5
	2	5.12	5.07	5.17	5.60	
alpha-Chlordane	1	6.02	5.97	6.07	6.50	47.6
	2	5.18	5.13	5.23	4.00	
4,4'-DDE	1	6.19	6.14	6.24	10.4	53.7
	2	5.37	5.32	5.42	6.00	
Dieldrin	1	6.34	6.29	6.39	7.50	60.9
	2	5.50	5.45	5.55	4.00	
Endrin	1	6.57	6.52	6.62	6.20	38.5
	2	5.78	5.73	5.83	4.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WP0925-PT-PEST-WPDL

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-09DL

Date(s) Analyzed: 09/08/2025

09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	14.1	6.6
	2	6.08	6.03	6.13	13.2	
4,4'-DDD	1	6.71	6.66	6.76	9.40	3.2
	2	5.92	5.87	5.97	9.10	
4,4'-DDT	1	7.03	6.98	7.08	1.50	18.2
	2	6.18	6.13	6.23	1.80	
Endrin aldehyde	1	6.92	6.87	6.97	16.7	5.5
	2	6.25	6.20	6.30	15.8	
Endosulfan sulfate	1	7.16	7.11	7.21	12.4	5.8
	2	6.48	6.43	6.53	11.7	
Methoxychlor	1	7.50	7.45	7.55	7.00	2.8
	2	6.75	6.70	6.80	7.20	
Endrin ketone	1	7.64	7.59	7.69	11.0	8.5
	2	6.99	6.94	7.04	10.1	
alpha-BHC	1	4.01	3.96	4.06	21.2	18.6
	2	3.39	3.34	3.44	17.6	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	18.5	14.5
	2	3.73	3.68	3.78	16.0	
Heptachlor	1	4.94	4.89	4.99	6.10	5
	2	4.08	4.03	4.13	5.80	
Aldrin	1	5.28	5.23	5.33	1.80	10.5
	2	4.36	4.31	4.41	2.00	
beta-BHC	1	4.52	4.47	4.57	14.3	5
	2	4.02	3.97	4.07	13.6	
delta-BHC	1	4.77	4.72	4.82	16.1	26
	2	4.26	4.21	4.31	12.4	
Heptachlor epoxide	1	5.70	5.65	5.75	5.50	1.8
	2	4.87	4.82	4.92	5.60	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WP0925-PT-PEST-WPDL

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-09DL

Date(s) Analyzed: 09/08/2025 09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.08	6.03	6.13	18.1	11.7
	2	5.24	5.19	5.29	16.1	
gamma-Chlordane	1	5.95	5.90	6.00	8.40	3.6
	2	5.12	5.07	5.17	8.10	
alpha-Chlordane	1	6.03	5.98	6.08	6.30	1.6
	2	5.19	5.14	5.24	6.40	
4,4'-DDE	1	6.20	6.15	6.25	9.80	7.4
	2	5.37	5.32	5.42	9.10	
Dieldrin	1	6.35	6.30	6.40	7.50	4.1
	2	5.51	5.46	5.56	7.20	
Endrin	1	6.58	6.53	6.63	5.70	3.6
	2	5.78	5.73	5.83	5.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WP0925-PT-PEST-WPDL2

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-09DL2

Date(s) Analyzed: 09/08/2025

09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.78	6.73	6.83	14.4	11.8
	2	6.07	6.02	6.12	16.2	
4,4'-DDD	1	6.70	6.65	6.75	9.00	19.1
	2	5.92	5.87	5.97	10.9	
4,4'-DDT	1	7.02	6.97	7.07	1.40	25
	2	6.18	6.13	6.23	1.80	
alpha-BHC	1	4.00	3.95	4.05	17.8	10.6
	2	3.39	3.34	3.44	19.8	
Aldrin	1	5.27	5.22	5.32	1.90	19
	2	4.36	4.31	4.41	2.30	
beta-BHC	1	4.52	4.47	4.57	15.7	5.6
	2	4.02	3.97	4.07	16.6	
delta-BHC	1	4.76	4.71	4.81	14.2	0
	2	4.26	4.21	4.31	14.2	
Endosulfan I	1	6.07	6.02	6.12	18.0	11.5
	2	5.24	5.19	5.29	20.2	
alpha-Chlordane	1	6.03	5.98	6.08	6.60	14.1
	2	5.18	5.13	5.23	7.60	
4,4'-DDE	1	6.19	6.14	6.24	9.20	16
	2	5.37	5.32	5.42	10.8	
Dieldrin	1	6.35	6.30	6.40	7.30	16.4
	2	5.51	5.46	5.56	8.60	
Endrin aldehyde	1	6.91	6.86	6.96	18.0	9
	2	6.25	6.20	6.30	19.7	
Endosulfan sulfate	1	7.15	7.10	7.20	12.9	11
	2	6.48	6.43	6.53	14.4	
Methoxychlor	1	7.49	7.44	7.54	7.50	11.3
	2	6.75	6.70	6.80	8.40	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WP0925-PT-PEST-WPDL2

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-09DL2

Date(s) Analyzed: 09/08/2025 09/08/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.63	7.58	7.68	11.1	11.9
	2	6.98	6.93	7.03	12.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.2	11.6
	2	3.73	3.68	3.78	18.2	
Heptachlor	1	4.93	4.88	4.98	6.00	15.4
	2	4.08	4.03	4.13	7.00	
Heptachlor epoxide	1	5.69	5.64	5.74	5.80	15.9
	2	4.87	4.82	4.92	6.80	
gamma-Chlordane	1	5.94	5.89	5.99	8.40	12.3
	2	5.12	5.07	5.17	9.50	
Endrin	1	6.57	6.52	6.62	5.60	16.4
	2	5.78	5.73	5.83	6.60	



QC SAMPLE DATA

- 1
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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169601BL	SDG No.:	Q3015
Lab Sample ID:	PB169601BL	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090196.D	1	09/08/25 10:05	09/08/25 16:40	PB169601

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
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.3		57 - 171	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		61 - 148	92%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169601BL	SDG No.:	Q3015
Lab Sample ID:	PB169601BL	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090196.D	1	09/08/25 10:05	09/08/25 16:40	PB169601

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 16:40
Operator : AR\AJ
Sample : PB169601BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169601BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:42:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.878	49346991	406.2E6	16.814	18.421
28)	SA Decachlor...	9.068	8.064	70206995	373.8E6	16.267	14.441

Target Compounds

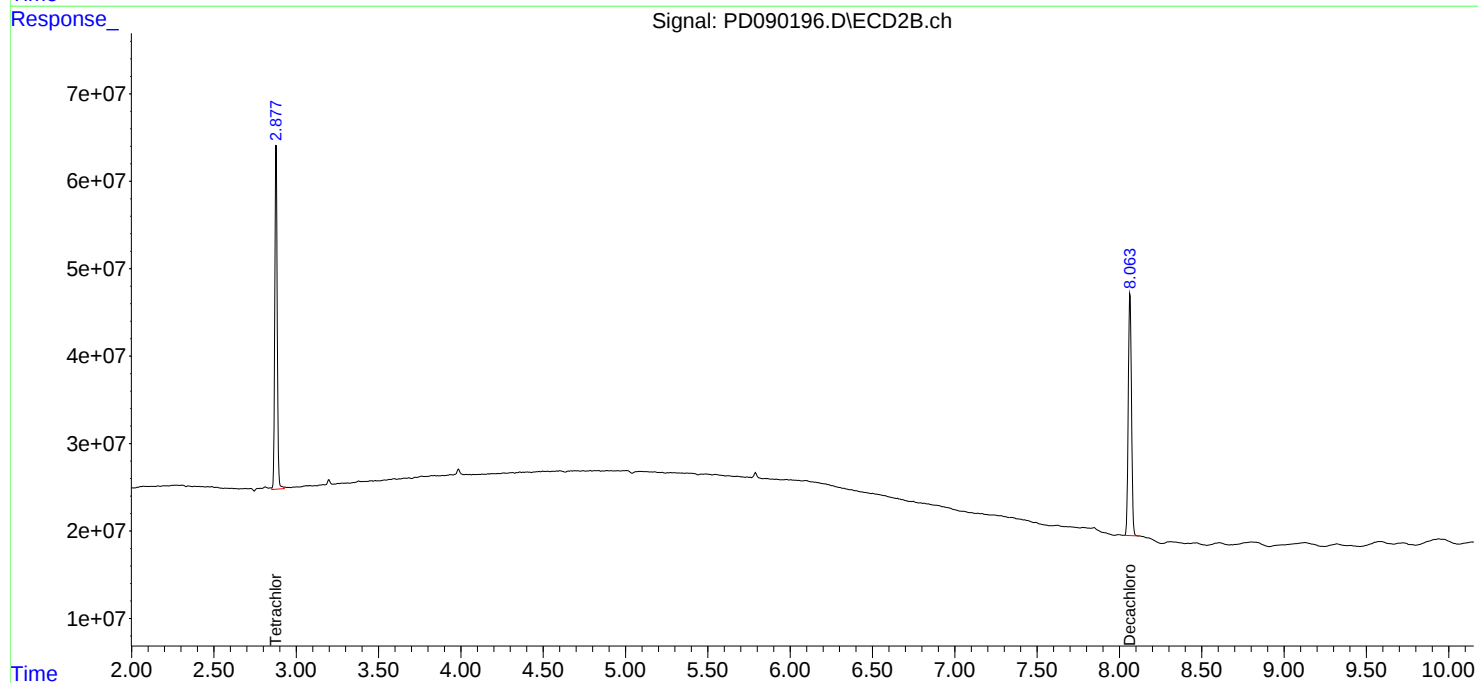
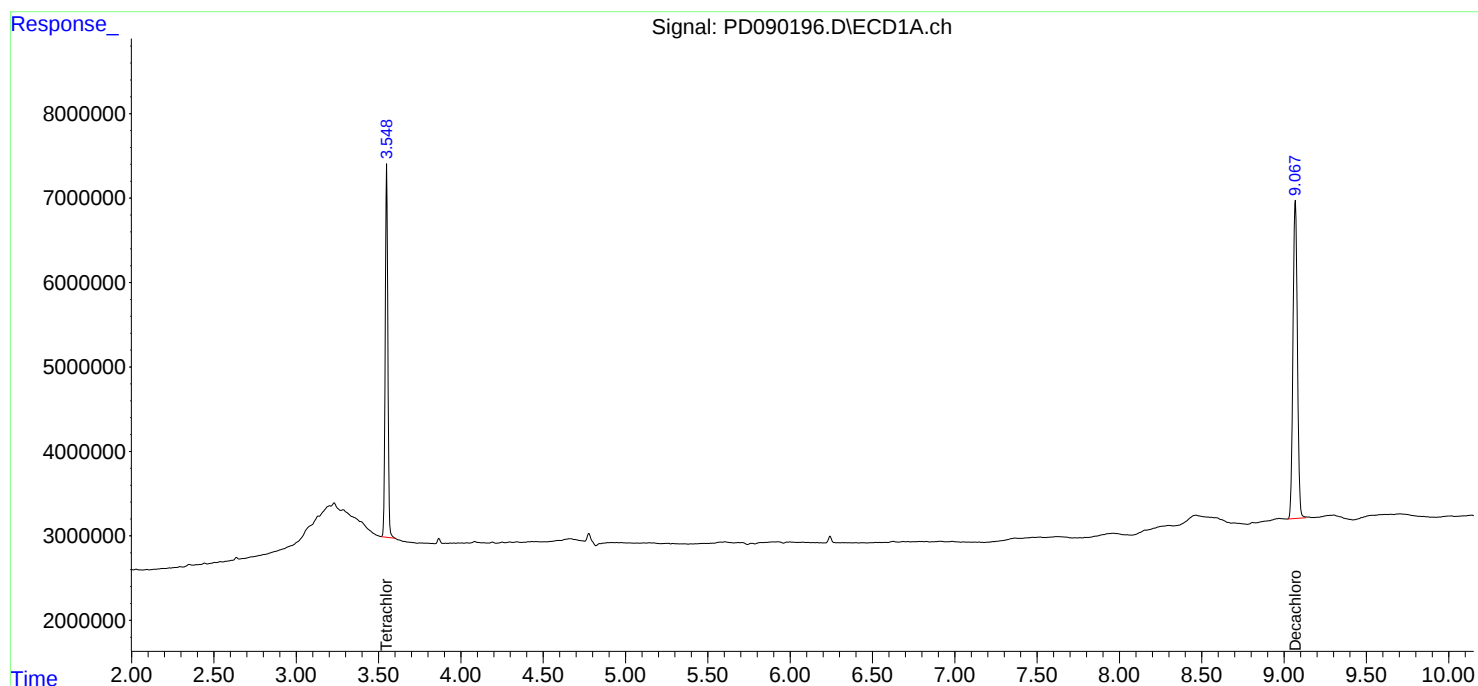
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 16:40
Operator : AR\AJ
Sample : PB169601BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169601BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:42:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090196.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.001 min
Response: 49346991
Conc: 16.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BL

Time

Response_ Signal: PD090196.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 406202753
Conc: 18.42 ng/ml

Time

Response_ Signal: PD090196.D\ECD1A.ch

#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.001 min
Response: 70206995
Conc: 16.27 ng/ml

Time

Response_ Signal: PD090196.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 373813018
Conc: 14.44 ng/ml

Time

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	08/18/25
Project:	NJ Waste Water PT	Date Received:	08/18/25
Client Sample ID:	PIBLK-PD089961.D	SDG No.:	Q3015
Lab Sample ID:	I.BLK-PD089961.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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089961.D	1		08/18/25	pd081825

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
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		57 - 171	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		61 - 148	88%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	08/18/25	
Project:	NJ Waste Water PT		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PD089961.D		SDG No.:	Q3015	
Lab Sample ID:	I.BLK-PD089961.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089961.D	1		08/18/25	pd081825

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089961.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:50:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:46:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.547	2.876	51222346	386.0E6	17.453	17.507m
28) SA Decachlor...	9.068	8.064	83150013	472.4E6	19.266	18.248m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089961.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

I.BLK

Manual Integrations

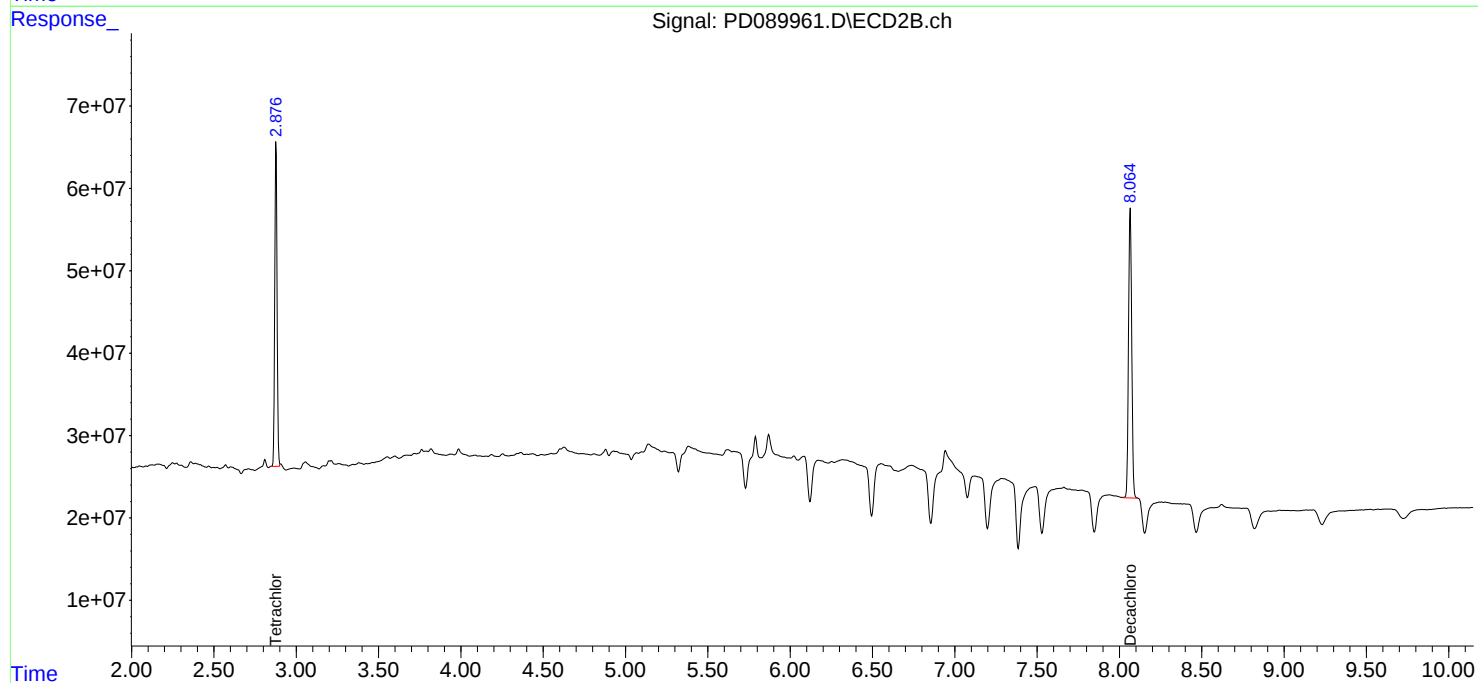
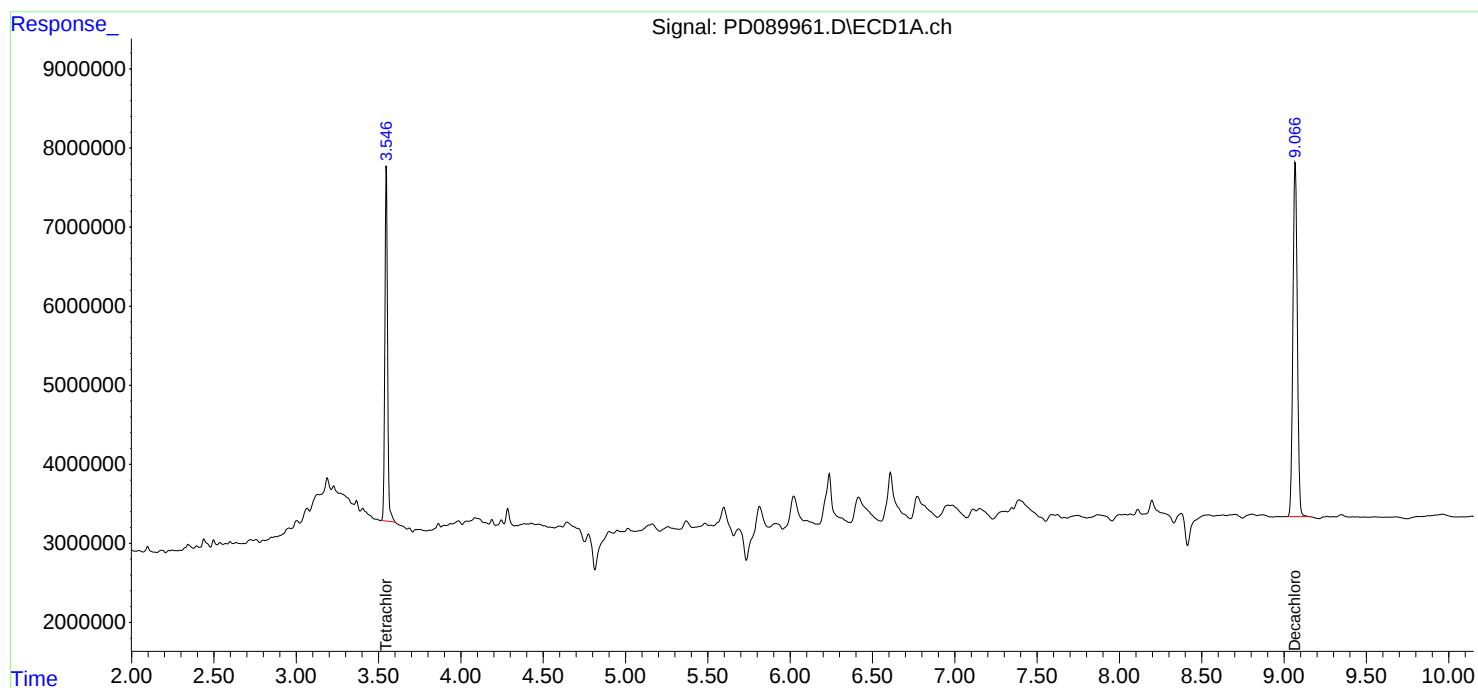
APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:50:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:46:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD089961.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 51222346
Conc: 17.45 ng/ml

Instrument :

ECD_D

ClientSampleId :

I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Time Response_ Signal: PD089961.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 386030098
Conc: 17.51 ng/ml m

Time Response_ Signal: PD089961.D\ECD1A.ch

#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 83150013
Conc: 19.27 ng/ml

Time Response_ Signal: PD089961.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 472376959
Conc: 18.25 ng/ml m

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	09/08/25	
Project:	NJ Waste Water PT		Date Received:	09/08/25	
Client Sample ID:	PIBLK-PD090194.D		SDG No.:	Q3015	
Lab Sample ID:	I.BLK-PD090194.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090194.D	1		09/08/25	pd090825

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
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.1		57 - 171	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		61 - 148	103%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/08/25
Project:	NJ Waste Water PT	Date Received:	09/08/25
Client Sample ID:	PIBLK-PD090194.D	SDG No.:	Q3015
Lab Sample ID:	I.BLK-PD090194.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	3510C	Test:	PESTICIDE Group1
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090194.D	1		09/08/25	pd090825

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 15:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.878	55787511	454.1E6	19.009	20.593
2) SA Decachlor...	9.067	8.064	78064543	385.5E6	18.087	14.891

Target Compounds

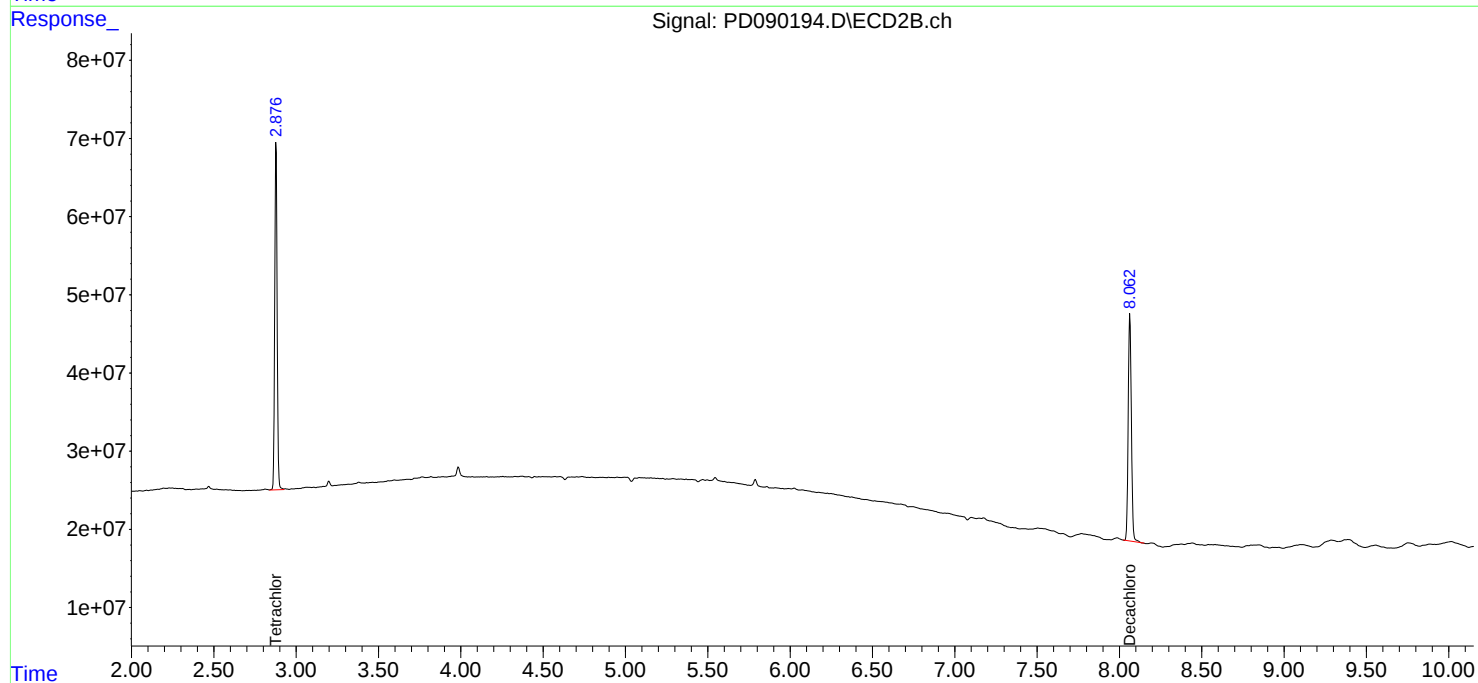
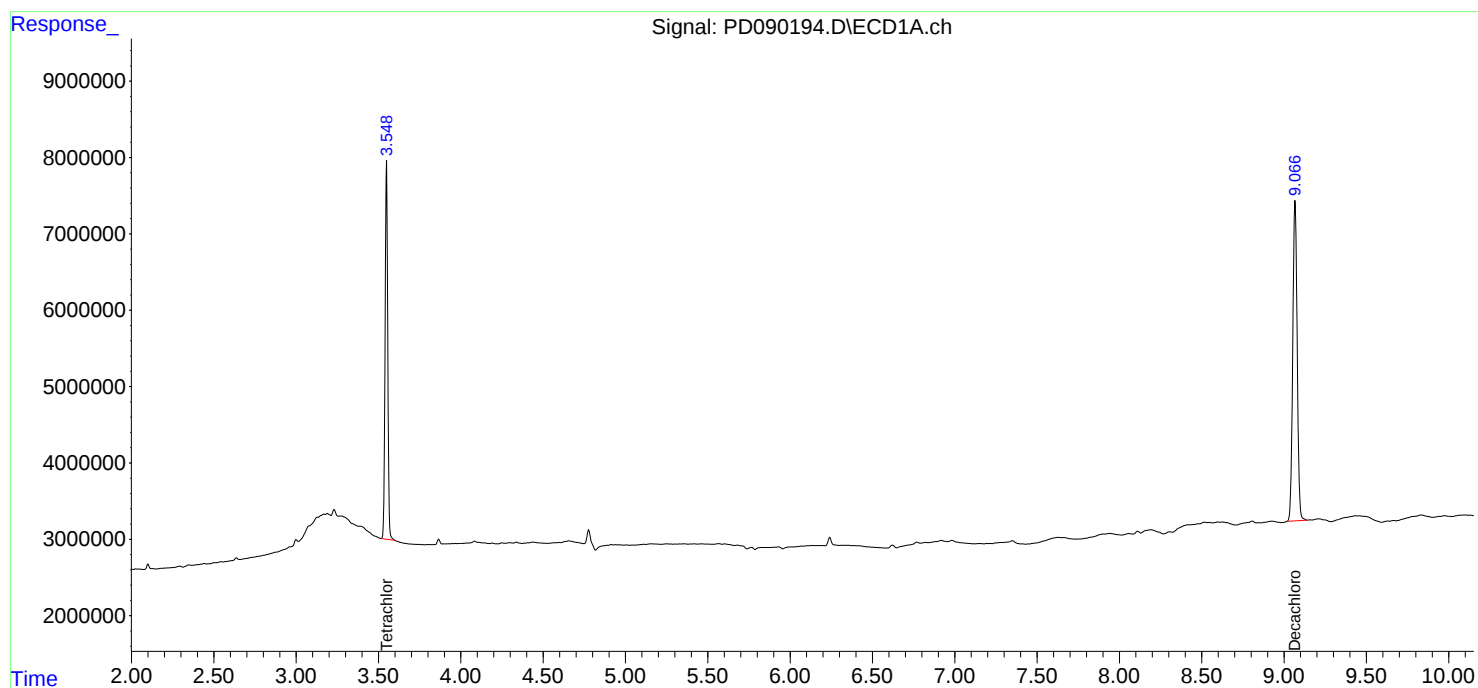
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 15:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

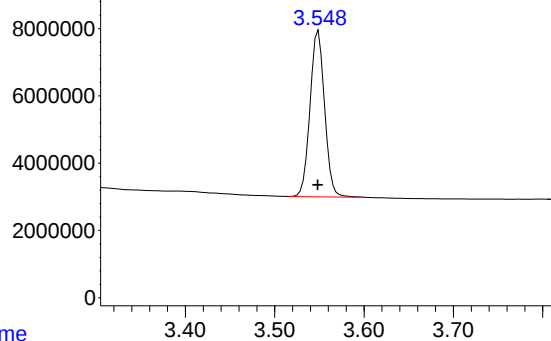
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090194.D\ECD1A.ch

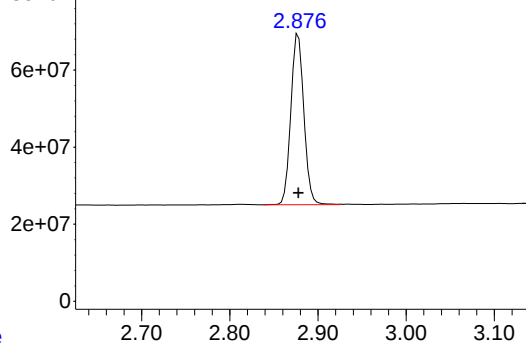


#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 55787511
Conc: 19.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

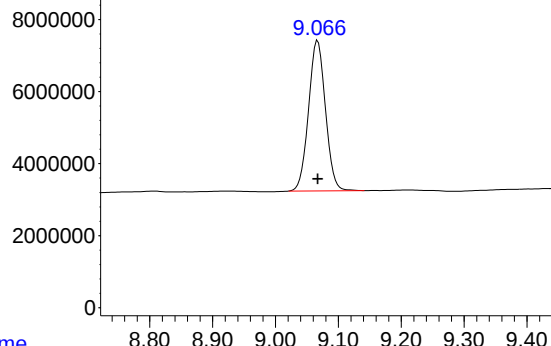
Time Response_ Signal: PD090194.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 454092705
Conc: 20.59 ng/ml

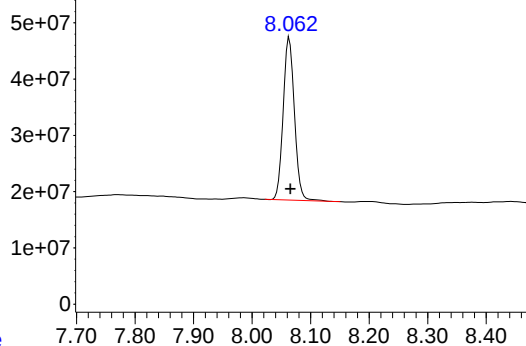
Time Response_ Signal: PD090194.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 78064543
Conc: 18.09 ng/ml

Time Response_ Signal: PD090194.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.002 min
Response: 385458619
Conc: 14.89 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	09/08/25	
Project:	NJ Waste Water PT		Date Received:	09/08/25	
Client Sample ID:	PIBLK-PD090202.D		SDG No.:	Q3015	
Lab Sample ID:	I.BLK-PD090202.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090202.D	1		09/08/25	pd090825

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
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.0		57 - 171	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		61 - 148	103%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	09/08/25	
Project:	NJ Waste Water PT			Date Received:	09/08/25	
Client Sample ID:	PIBLK-PD090202.D			SDG No.:	Q3015	
Lab Sample ID:	I.BLK-PD090202.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 Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090202.D	1		09/08/25	pd090825

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 OC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 03:15:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.878	55111025	453.4E6	18.778	20.561
28)	SA Decachlor...	9.067	8.063	82131714	471.5E6	19.030	18.214

Target Compounds

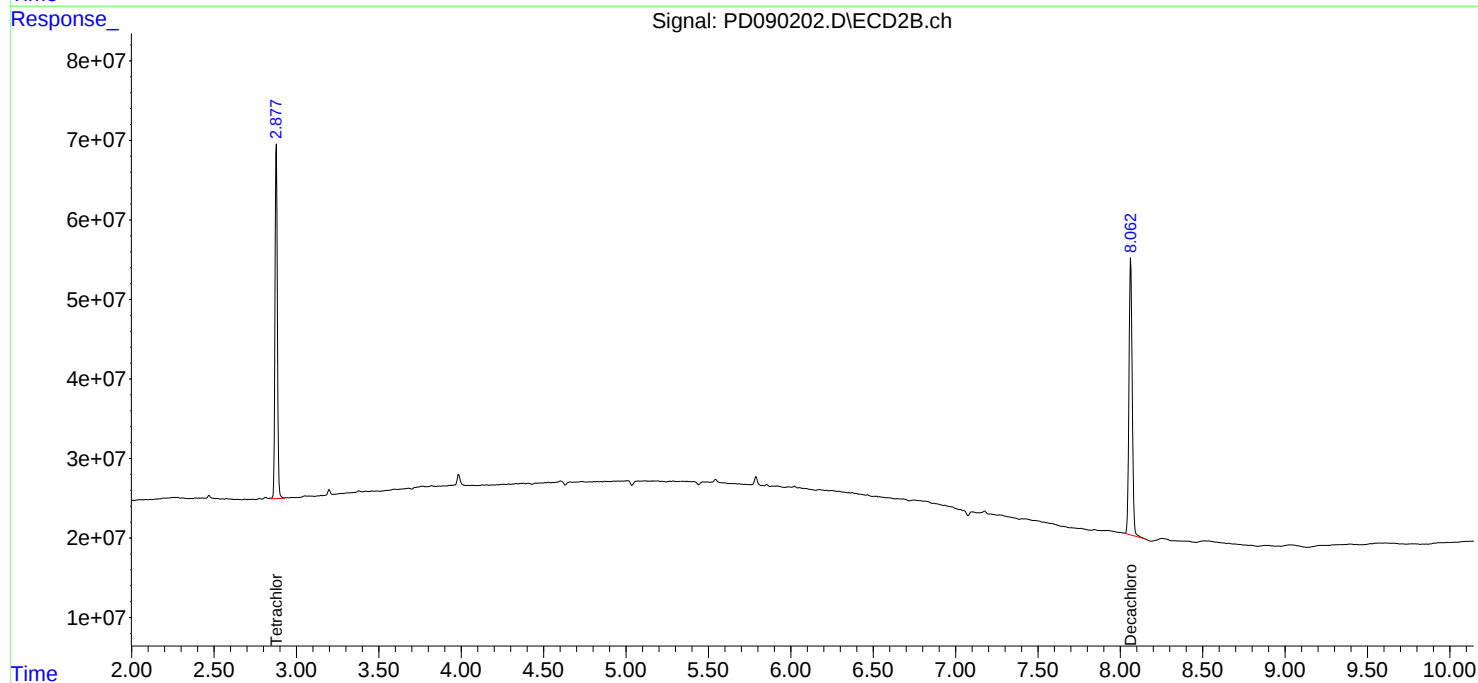
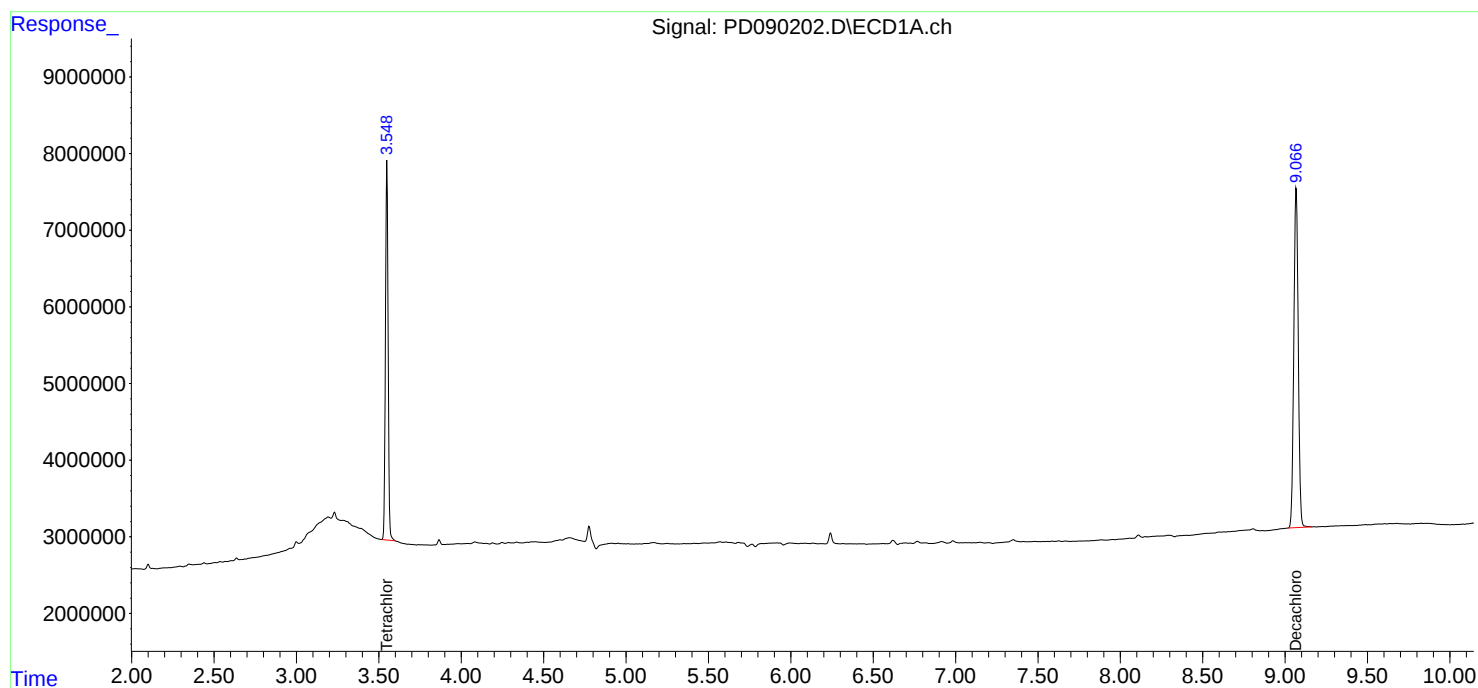
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 03:15:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090202.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.001 min
Response: 55111025
Conc: 18.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

Time

Response_ Signal: PD090202.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 453383451
Conc: 20.56 ng/ml

Time

Response_ Signal: PD090202.D\ECD1A.ch

#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 82131714
Conc: 19.03 ng/ml

Time

Response_ Signal: PD090202.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.002 min
Response: 471484444
Conc: 18.21 ng/ml

Time

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169601BS	SDG No.:	Q3015
Lab Sample ID:	PB169601BS	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090200.D	1	09/08/25 10:05	09/08/25 18:16	PB169601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.57		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.57		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.46		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.57		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.56		0.0027	0.050	ug/L
309-00-2	Aldrin	0.59		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.58		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.57		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.58		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.59		0.0037	0.050	ug/L
72-20-8	Endrin	0.52		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.57		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.61		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.53		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.50		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.47		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.57		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.63		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.58		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.59		0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		57 - 171	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		61 - 148	104%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169601BS	SDG No.:	Q3015
Lab Sample ID:	PB169601BS	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090200.D	1	09/08/25 10:05	09/08/25 18:16	PB169601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090200.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 18:16
 Operator : AR\AJ
 Sample : PB169601BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169601BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:43:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.877	56704412	458.1E6	19.321m	20.773
28)	SA Decachlor...	9.071	8.064	83079080	467.6E6	19.249	18.066
Target Compounds							
2)	A alpha-BHC	4.002	3.389	340.9E6	1914.4E6	56.794	56.406
3)	MA gamma-BHC...	4.332	3.725	325.2E6	1782.5E6	56.792	57.187
4)	MA Heptachlor	4.930	4.077	312.3E6	1722.5E6	55.677	55.222
5)	MB Aldrin	5.271	4.363	319.5E6	1774.5E6	59.013	58.264
6)	B beta-BHC	4.519	4.021	124.1E6	763.8E6	55.320	57.300
7)	B delta-BHC	4.767	4.257	239.0E6	1389.9E6	46.162	44.053
8)	B Heptachlo...	5.691	4.867	283.6E6	1605.8E6	57.794	57.982
9)	A Endosulfan I	6.075	5.241	261.9E6	1501.5E6	56.746	57.261
10)	B gamma-Chl...	5.947	5.119	283.1E6	1737.7E6	57.889	58.684
11)	B alpha-Chl...	6.027	5.184	279.8E6	1658.5E6	56.839	58.115
12)	B 4,4'-DDE	6.196	5.368	250.3E6	1687.8E6	57.041	58.557
13)	MA Dieldrin	6.347	5.506	280.3E6	1697.4E6	57.249	57.957
14)	MA Endrin	6.574	5.783	201.9E6	1395.1E6	48.724	52.385
15)	B Endosulfa...	6.787	6.074	235.4E6	1439.9E6	55.788	56.925
16)	A 4,4'-DDD	6.706	5.923	209.0E6	1461.6E6	60.427	60.788
17)	MA 4,4'-DDT	7.021	6.177	180.0E6	1243.0E6	47.245	49.582
18)	B Endrin al...	6.916	6.252	176.1E6	1083.0E6	61.426	62.893
19)	B Endosulfa...	7.150	6.476	203.8E6	1288.6E6	52.010	52.855
20)	A Methoxychlor	7.494	6.747	87032715	607.4E6	43.394	47.103
21)	B Endrin ke...	7.631	6.985	233.6E6	1531.2E6	56.354	57.469
22)	Mirex	8.113	7.178	160.1E6	1047.8E6	50.750	50.726

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:16
Operator : AR\AJ
Sample : PB169601BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169601BS

Manual Integrations

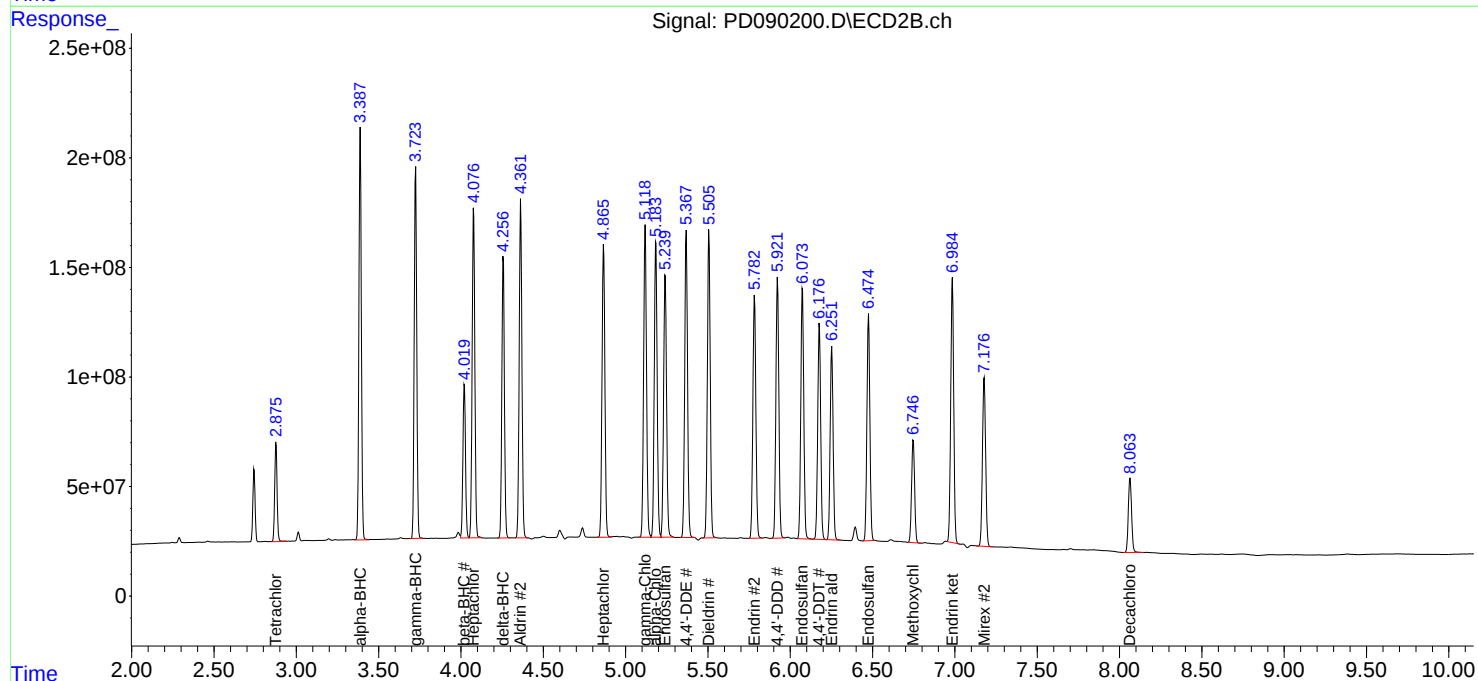
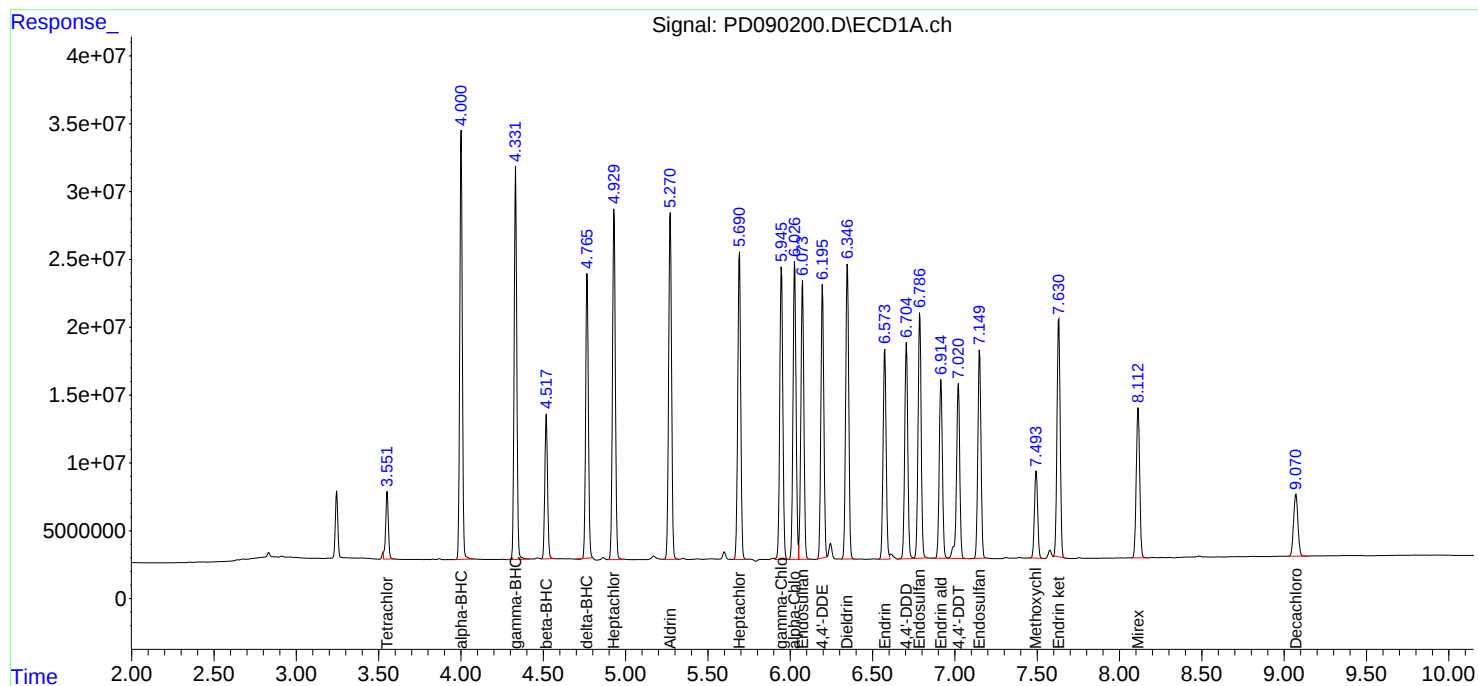
APPROVED

Reviewed By :Abdul Mirza 09/09/2025

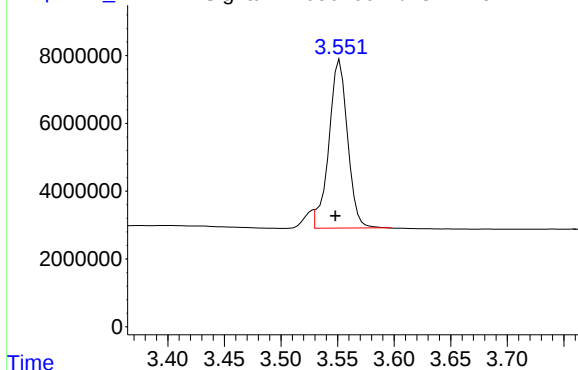
Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090200.D\ECD1A.ch



#1 Tetrachloro-m-xylene

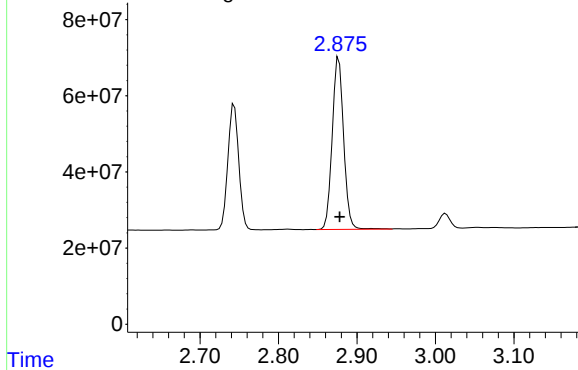
R.T.: 3.551 min
Delta R.T.: 0.003 min
Response: 56704412
Conc: 19.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

Manual Integrations
APPROVED

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

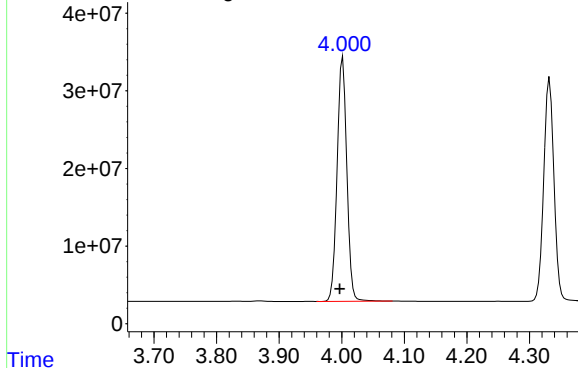
Response_ Signal: PD090200.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 458056081
Conc: 20.77 ng/ml

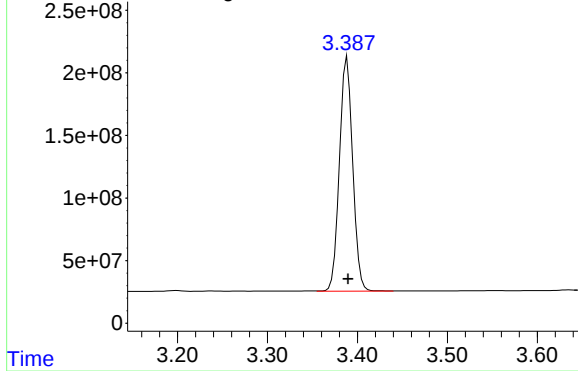
Response_ Signal: PD090200.D\ECD1A.ch



#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.005 min
Response: 340892274
Conc: 56.79 ng/ml

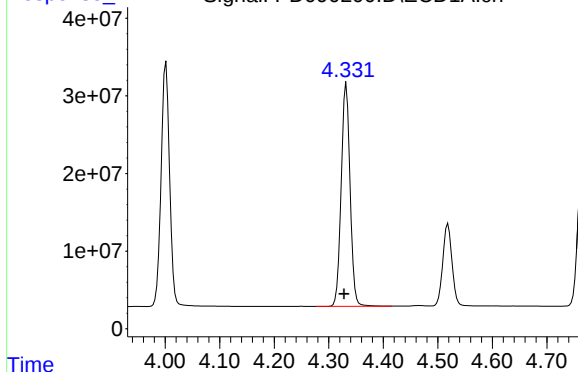
Response_ Signal: PD090200.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1914363397
Conc: 56.41 ng/ml

Response_ Signal: PD090200.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.005 min
Response: 325236287
Conc: 56.79 ng/ml

Instrument :

ECD_D

ClientSampleId :

PB169601BS

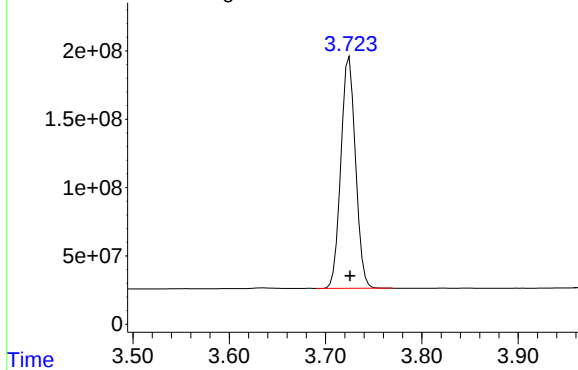
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

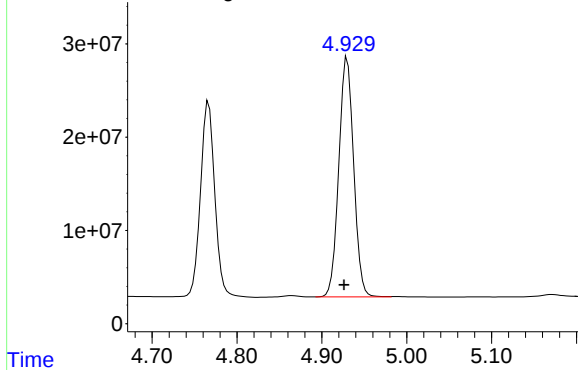
Time Response_ Signal: PD090200.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1782548513
Conc: 57.19 ng/ml

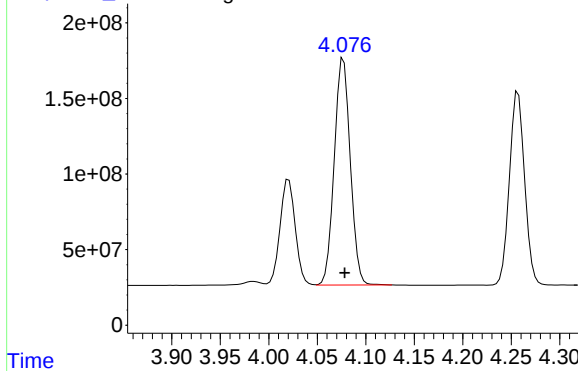
Time Response_ Signal: PD090200.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.004 min
Response: 312304487
Conc: 55.68 ng/ml

Time Response_ Signal: PD090200.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 1722457076
Conc: 55.22 ng/ml

Response_ Signal: PD090200.D\ECD1A.ch

#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.004 min
Response: 319525303
Conc: 59.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

Manual Integrations
APPROVED

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

Time

Response_ Signal: PD090200.D\ECD2B.ch

#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1774475650
Conc: 58.26 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.005 min
Response: 124083616
Conc: 55.32 ng/ml

Time

Response_ Signal: PD090200.D\ECD2B.ch

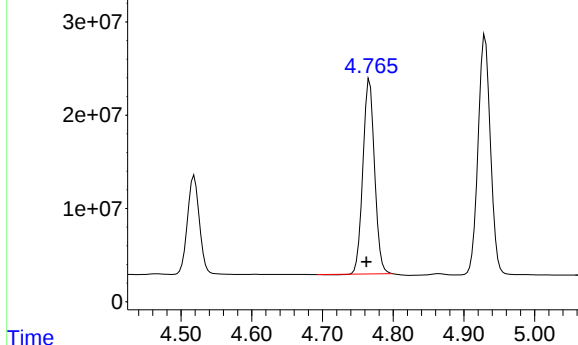
#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 763821039
Conc: 57.30 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.767 min
Delta R.T.: 0.005 min
Response: 239012655
Conc: 46.16 ng/ml

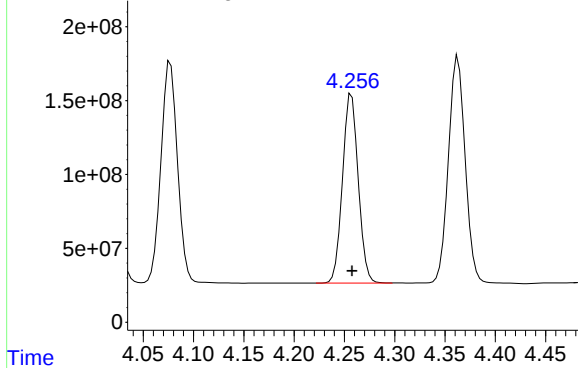
Instrument :
ECD_D
ClientSampleId :
PB169601BS

Manual Integrations
APPROVED

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

Response_ Signal: PD090200.D\ECD2B.ch

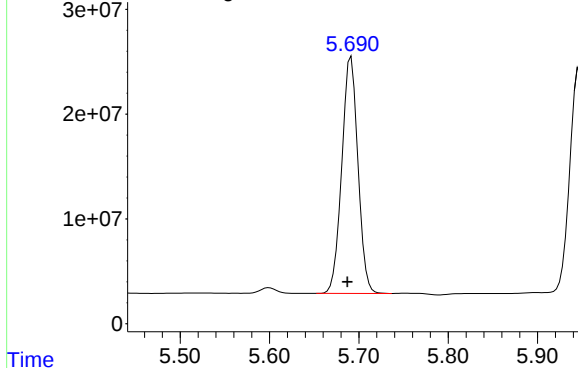
#7 delta-BHC



R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1389857969
Conc: 44.05 ng/ml

Response_ Signal: PD090200.D\ECD1A.ch

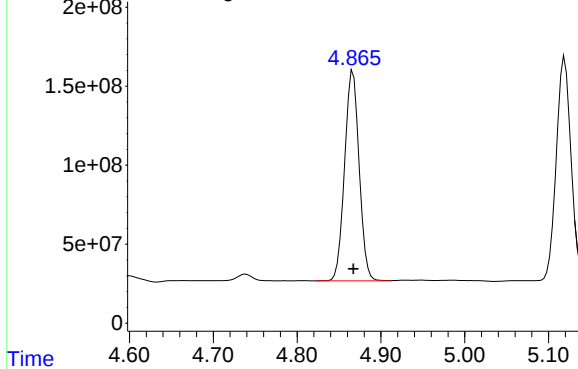
#8 Heptachlor epoxide



R.T.: 5.691 min
Delta R.T.: 0.004 min
Response: 283582871
Conc: 57.79 ng/ml

Response_ Signal: PD090200.D\ECD2B.ch

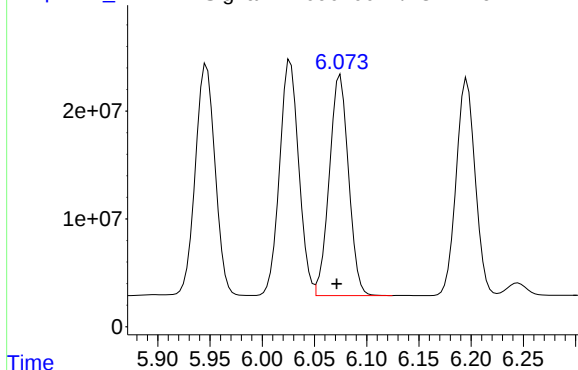
#8 Heptachlor epoxide



R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1605795508
Conc: 57.98 ng/ml

Response_ Signal: PD090200.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.075 min
Delta R.T.: 0.004 min
Response: 261877590
Conc: 56.75 ng/ml

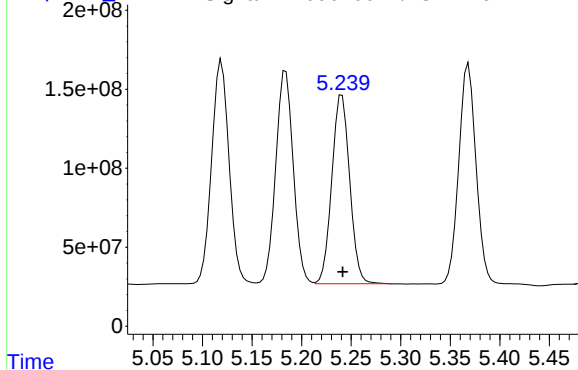
Instrument :
ECD_D
ClientSampleId :
PB169601BS

Manual Integrations
APPROVED

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

Time Response_ Signal: PD090200.D\ECD2B.ch

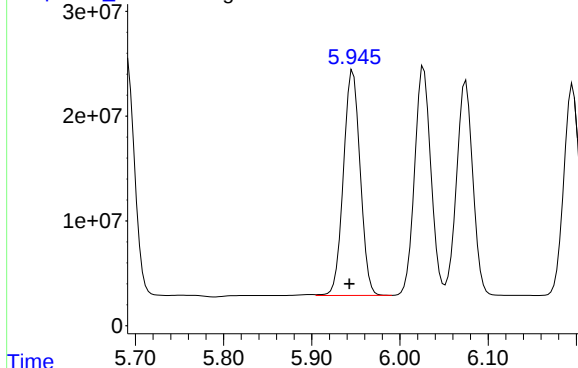
#9 Endosulfan I



R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1501488809
Conc: 57.26 ng/ml

Response_ Signal: PD090200.D\ECD1A.ch

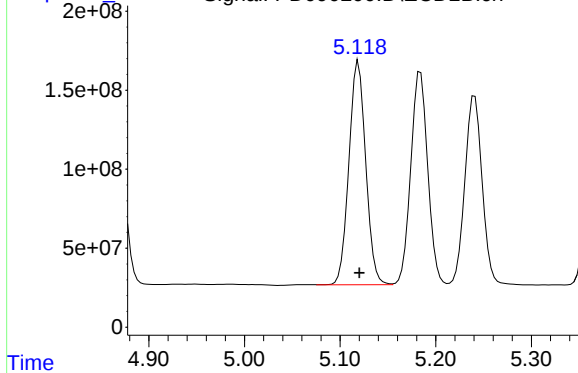
#10 gamma-Chlordane



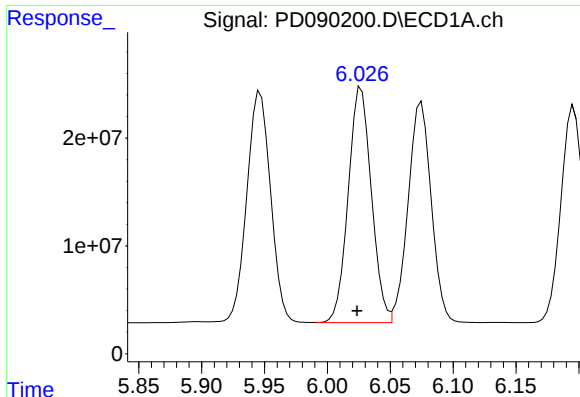
R.T.: 5.947 min
Delta R.T.: 0.004 min
Response: 283131817
Conc: 57.89 ng/ml

Time Response_ Signal: PD090200.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.119 min
Delta R.T.: -0.001 min
Response: 1737713279
Conc: 58.68 ng/ml



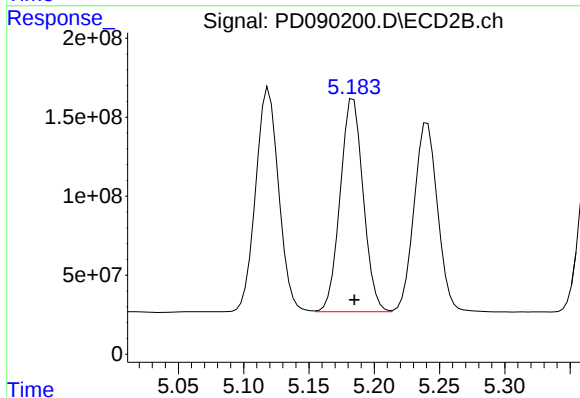
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.003 min
Response: 279784626
Conc: 56.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

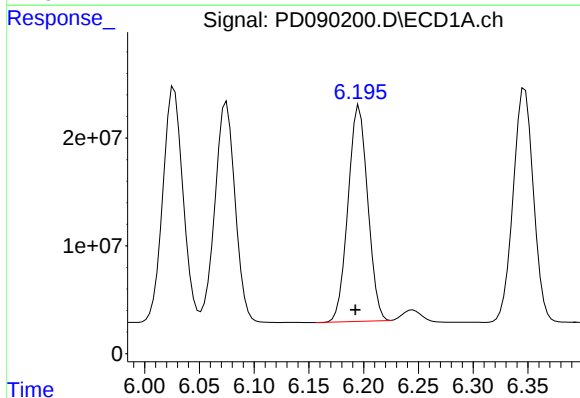
Manual Integrations
APPROVED

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



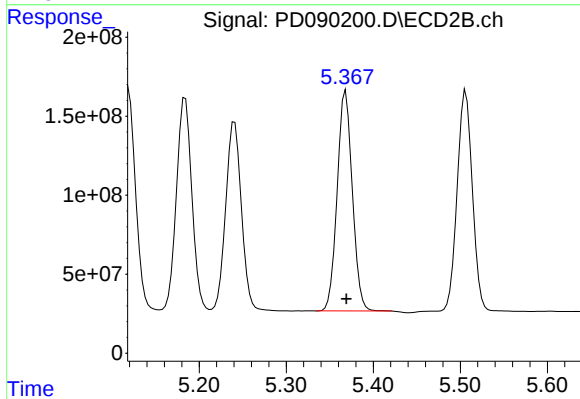
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1658494995
Conc: 58.12 ng/ml



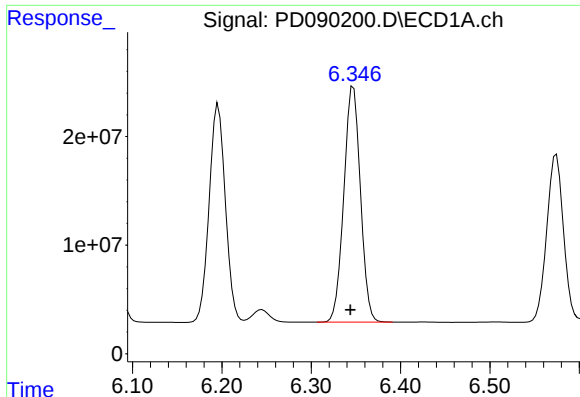
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.004 min
Response: 250312167
Conc: 57.04 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1687786197
Conc: 58.56 ng/ml



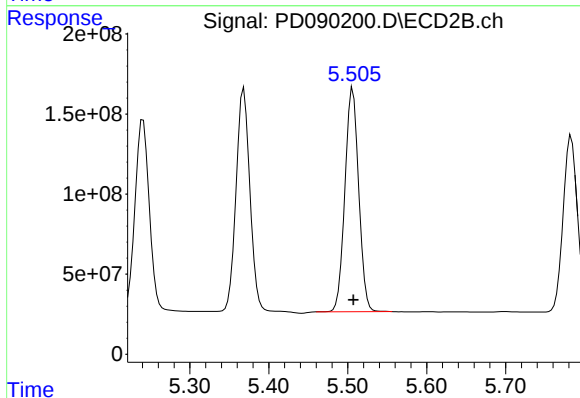
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.003 min
Response: 280276572
Conc: 57.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

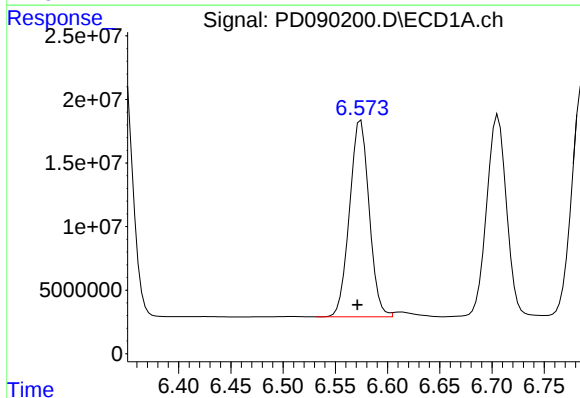
Manual Integrations
APPROVED

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



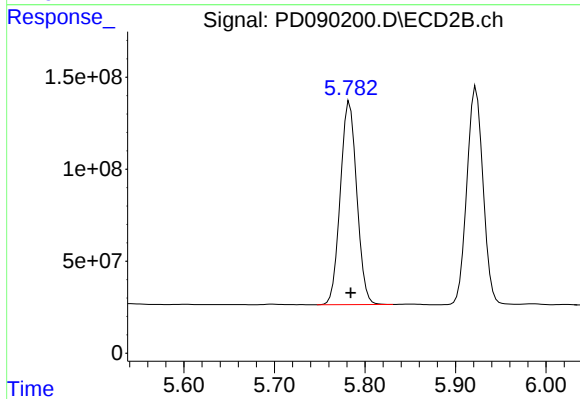
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1697404992
Conc: 57.96 ng/ml



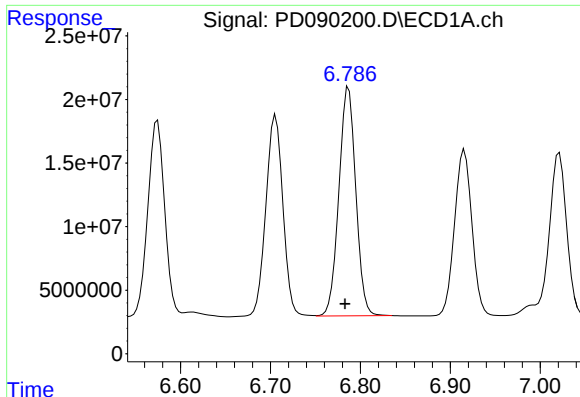
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.003 min
Response: 201891926
Conc: 48.72 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1395125898
Conc: 52.38 ng/ml



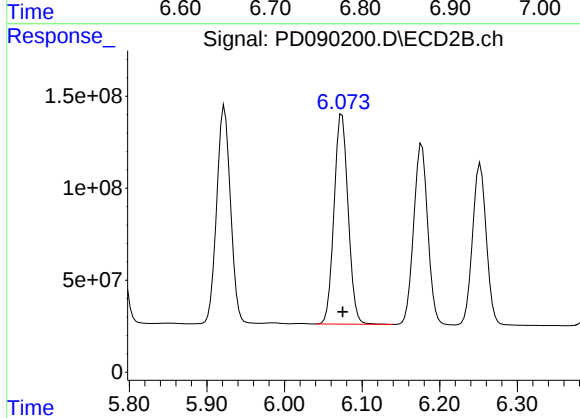
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.004 min
Response: 235409364
Conc: 55.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

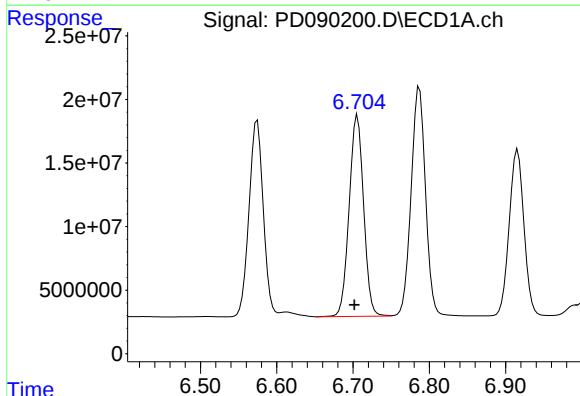
Manual Integrations
APPROVED

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



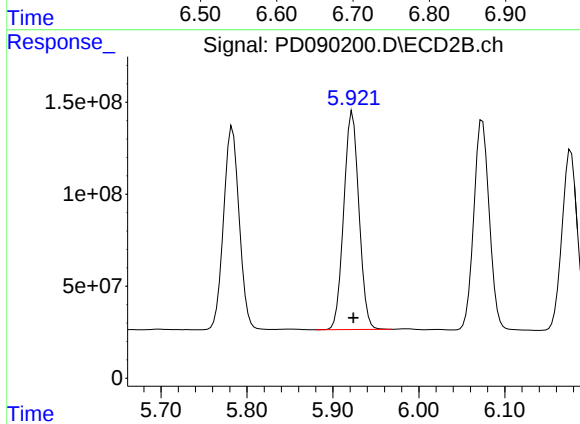
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 1439887039
Conc: 56.92 ng/ml



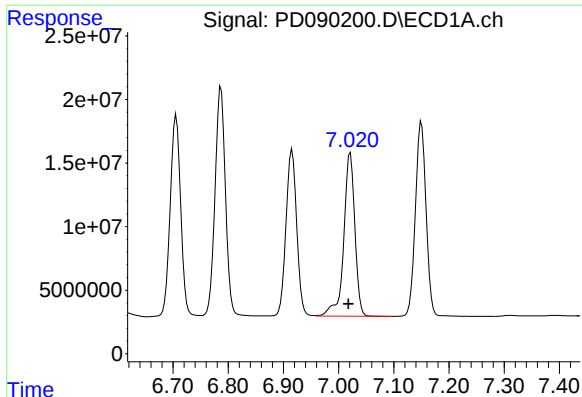
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.004 min
Response: 209024311
Conc: 60.43 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.001 min
Response: 1461564580
Conc: 60.79 ng/ml



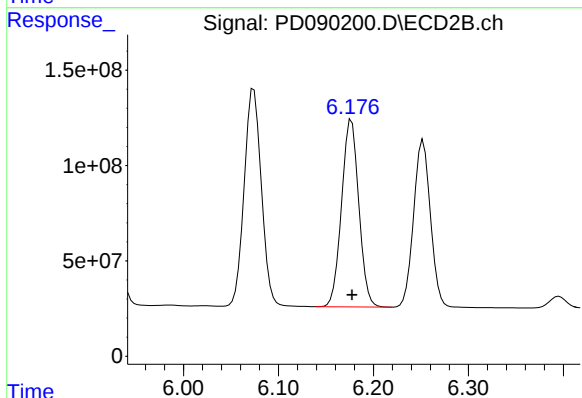
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.003 min
Response: 179992990
Conc: 47.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

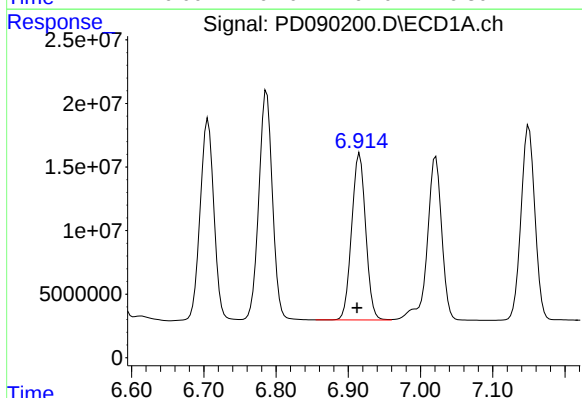
Manual Integrations
APPROVED

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



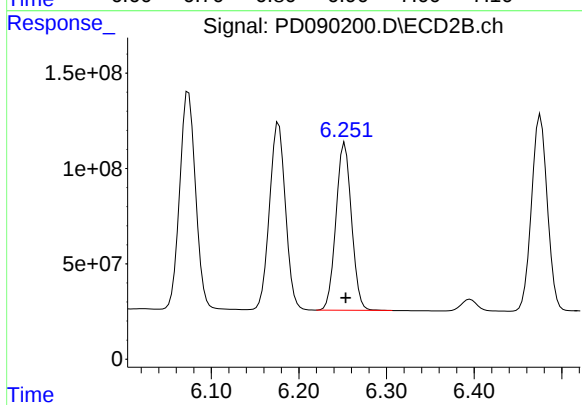
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1242996895
Conc: 49.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.004 min
Response: 176118241
Conc: 61.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1083014157
Conc: 62.89 ng/ml

Response_ Signal: PD090200.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.003 min
Response: 203801706
Conc: 52.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

Manual Integrations
APPROVED

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

Time

Response_ Signal: PD090200.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 1288576935
Conc: 52.85 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.004 min
Response: 87032715
Conc: 43.39 ng/ml

Time

Response_ Signal: PD090200.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 607425649
Conc: 47.10 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

Time

Response_ Signal: PD090200.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.004 min
Response: 233559433
Conc: 56.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

Manual Integrations
APPROVED

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

Time

Response_ Signal: PD090200.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.001 min
Response: 1531233076
Conc: 57.47 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.004 min
Response: 160090709
Conc: 50.75 ng/ml

Time

Response_ Signal: PD090200.D\ECD2B.ch

#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 1047776181
Conc: 50.73 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.004 min
Response: 160090709
Conc: 50.75 ng/ml

Time

Response_ Signal: PD090200.D\ECD2B.ch

#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 1047776181
Conc: 50.73 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.004 min
Response: 160090709
Conc: 50.75 ng/ml

Time

Response_ Signal: PD090200.D\ECD2B.ch

#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 1047776181
Conc: 50.73 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.004 min
Response: 160090709
Conc: 50.75 ng/ml

Time

Response_ Signal: PD090200.D\ECD2B.ch

#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 1047776181
Conc: 50.73 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.004 min
Response: 160090709
Conc: 50.75 ng/ml

Time

Response_ Signal: PD090200.D\ECD2B.ch

#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 1047776181
Conc: 50.73 ng/ml

Time

Response_ Signal: PD090200.D\ECD1A.ch

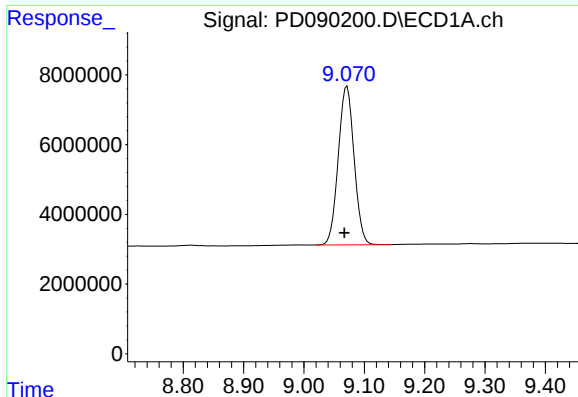
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.004 min
Response: 160090709
Conc: 50.75 ng/ml

Time

Response_ Signal: PD090200.D\ECD2B.ch

#22 Mirex



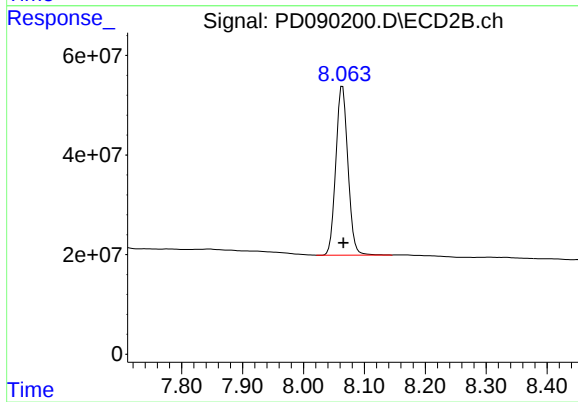
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 83079080
Conc: 19.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 467645021
Conc: 18.07 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169601BSD	SDG No.:	Q3015
Lab Sample ID:	PB169601BSD	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090201.D	1	09/08/25 10:05	09/08/25 18:29	PB169601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.56		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.57		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.46		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.57		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.55		0.0027	0.050	ug/L
309-00-2	Aldrin	0.58		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.58		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.57		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.58		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.59		0.0037	0.050	ug/L
72-20-8	Endrin	0.53		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.57		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.61		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.53		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.50		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.48		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.57		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.63		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.58		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.59		0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		57 - 171	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		61 - 148	103%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB169601BSD	SDG No.:	Q3015
Lab Sample ID:	PB169601BSD	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090201.D	1	09/08/25 10:05	09/08/25 18:29	PB169601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090201.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 18:29
 Operator : AR\AJ
 Sample : PB169601BSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169601BSD

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:43:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.877	54690546	455.3E6	18.635m	20.649
28)	SA Decachlor...	9.068	8.064	84536584	469.7E6	19.587	18.145
Target Compounds							
2)	A alpha-BHC	3.998	3.389	338.2E6	1911.6E6	56.343	56.324
3)	MA gamma-BHC...	4.329	3.725	323.3E6	1780.2E6	56.459	57.111
4)	MA Heptachlor	4.927	4.077	309.1E6	1717.1E6	55.110	55.050
5)	MB Aldrin	5.269	4.362	316.6E6	1770.5E6	58.476	58.132
6)	B beta-BHC	4.515	4.021	123.1E6	763.7E6	54.863	57.292
7)	B delta-BHC	4.763	4.257	239.6E6	1390.1E6	46.266	44.062
8)	B Heptachlo...	5.688	4.866	282.2E6	1604.4E6	57.514	57.930
9)	A Endosulfan I	6.072	5.240	261.4E6	1500.0E6	56.648	57.203
10)	B gamma-Chl...	5.943	5.117	282.7E6	1739.7E6	57.806	58.750m
11)	B alpha-Chl...	6.024	5.183	279.6E6	1661.0E6	56.809	58.203
12)	B 4,4'-DDE	6.193	5.368	249.8E6	1692.7E6	56.923	58.726
13)	MA Dieldrin	6.344	5.506	277.7E6	1701.7E6	56.729	58.103
14)	MA Endrin	6.571	5.783	200.2E6	1398.4E6	48.323	52.509
15)	B Endosulfa...	6.784	6.073	234.8E6	1439.5E6	55.653	56.908
16)	A 4,4'-DDD	6.703	5.922	209.5E6	1460.2E6	60.552	60.731
17)	MA 4,4'-DDT	7.018	6.176	178.6E6	1247.2E6	46.879	49.750
18)	B Endrin al...	6.913	6.252	174.7E6	1083.0E6	60.929	62.891
19)	B Endosulfa...	7.147	6.475	201.6E6	1282.9E6	51.442	52.624
20)	A Methoxychlor	7.491	6.746	87425156	616.1E6	43.590	47.776
21)	B Endrin ke...	7.628	6.984	236.5E6	1510.7E6	57.057	56.699
22)	Mirex	8.110	7.177	159.0E6	1053.3E6	50.400	50.993

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:29
Operator : AR\AJ
Sample : PB169601BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169601BSD

Manual Integrations

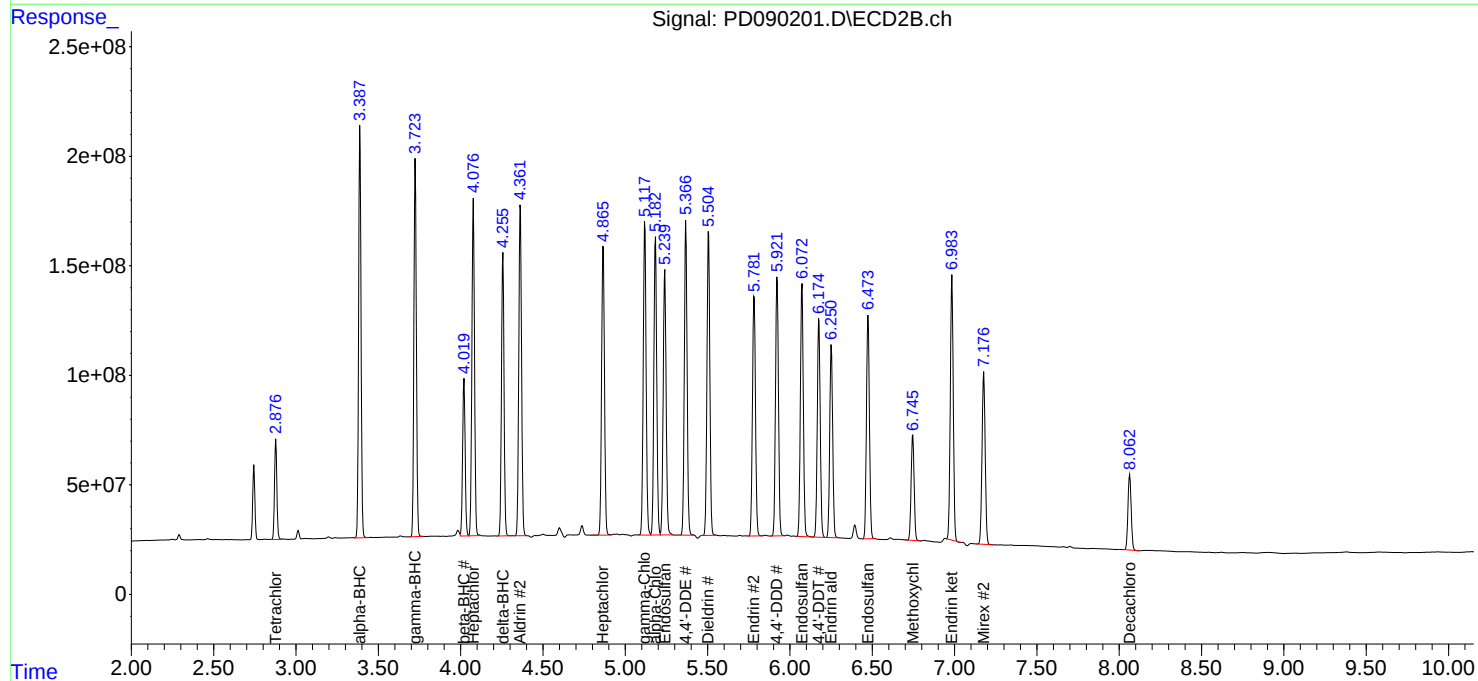
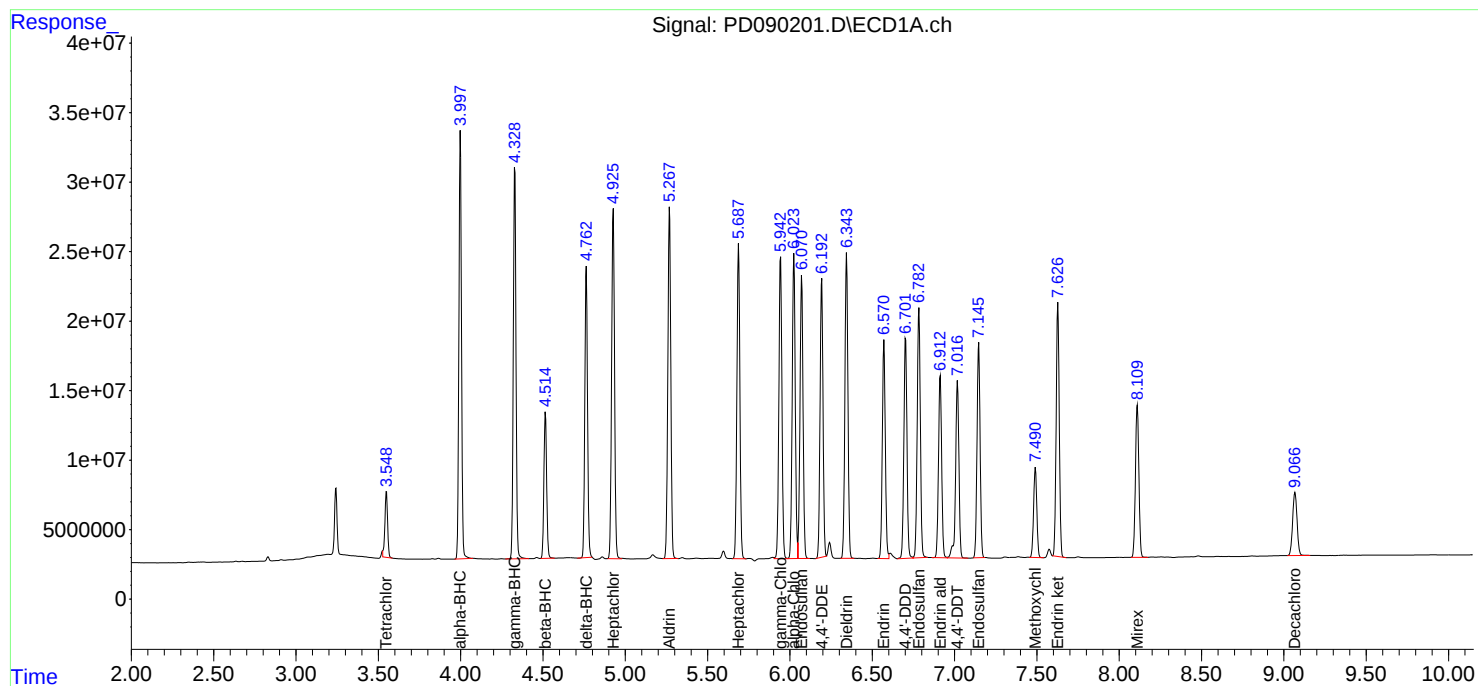
APPROVED

Reviewed By :Abdul Mirza 09/09/2025

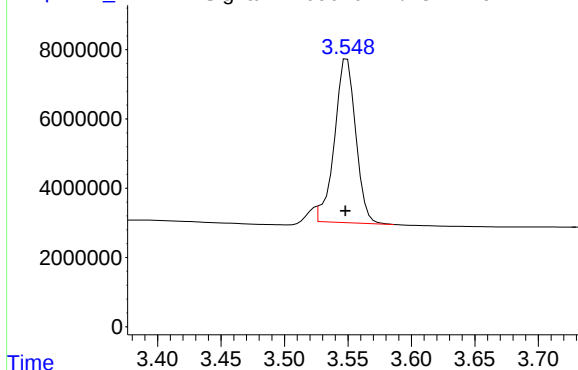
Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090201.D\ECD1A.ch



#1 Tetrachloro-m-xylene

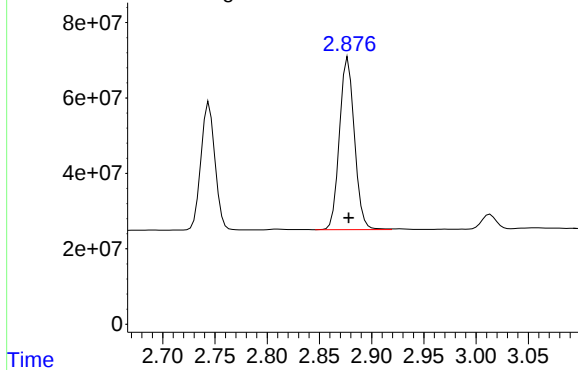
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 54690546
Conc: 18.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

Manual Integrations
APPROVED

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

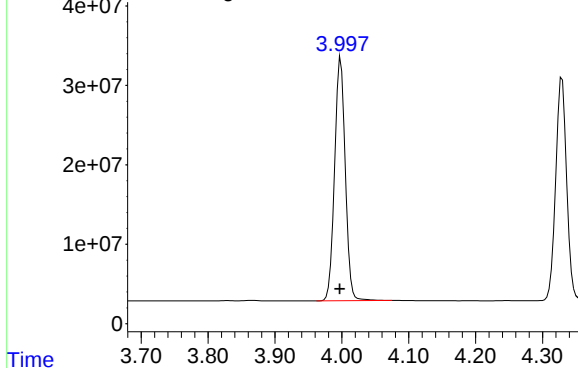
Response_ Signal: PD090201.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 455322524
Conc: 20.65 ng/ml

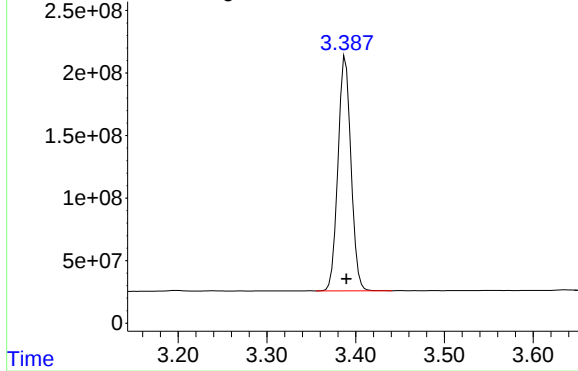
Response_ Signal: PD090201.D\ECD1A.ch



#2 alpha-BHC

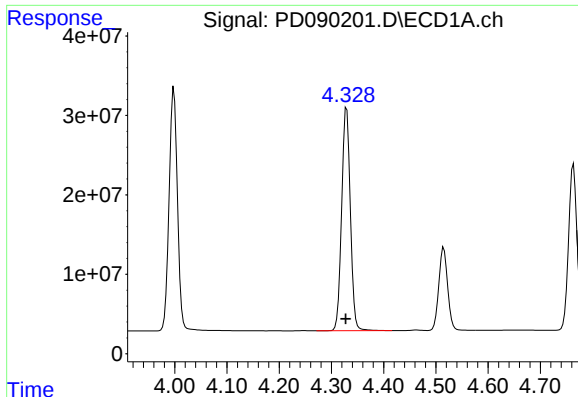
R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 338182725
Conc: 56.34 ng/ml

Response_ Signal: PD090201.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1911553593
Conc: 56.32 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.001 min
Response: 323333384
Conc: 56.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

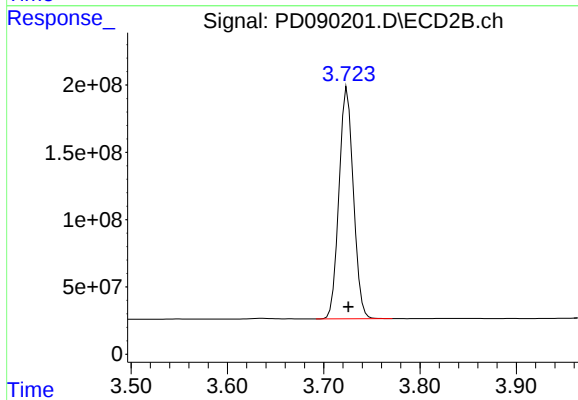
PB169601BSD

Manual Integrations

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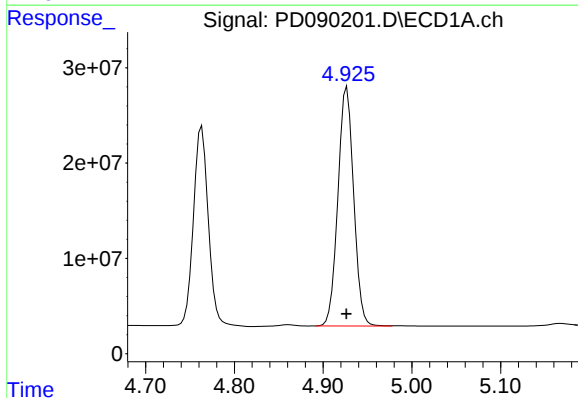
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



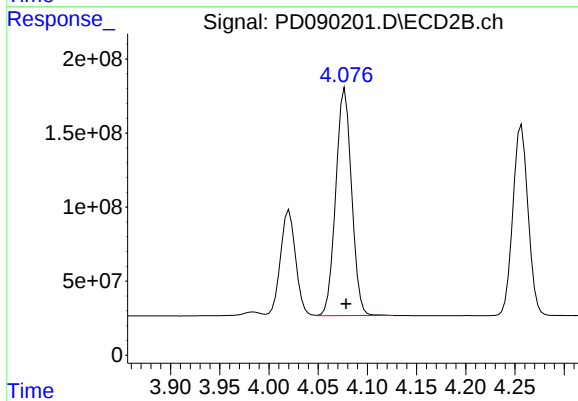
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1780192670
Conc: 57.11 ng/ml



#4 Heptachlor

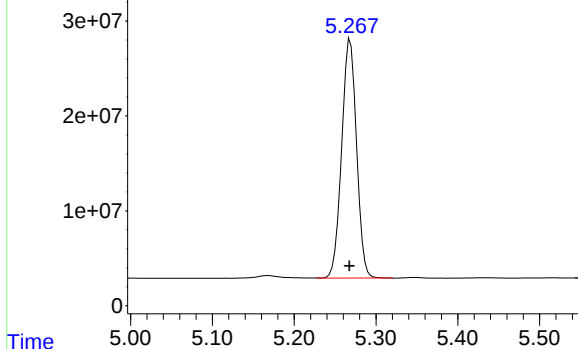
R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 309121605
Conc: 55.11 ng/ml



#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 1717091098
Conc: 55.05 ng/ml

Response_ Signal: PD090201.D\ECD1A.ch



#5 Aldrin

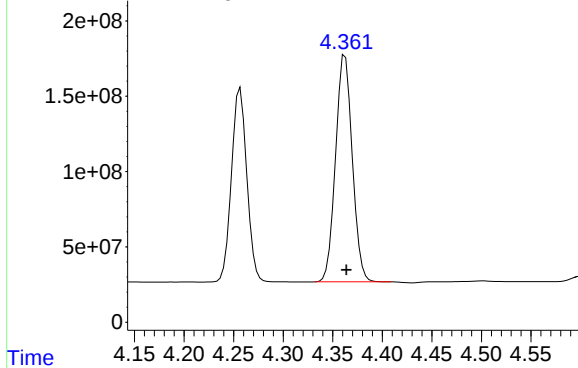
R.T.: 5.269 min
Delta R.T.: 0.001 min
Response: 316621244
Conc: 58.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

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

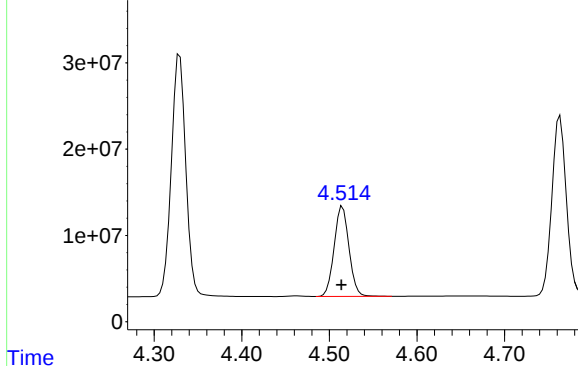
Response_ Signal: PD090201.D\ECD2B.ch



#5 Aldrin

R.T.: 4.362 min
Delta R.T.: -0.001 min
Response: 1770451171
Conc: 58.13 ng/ml

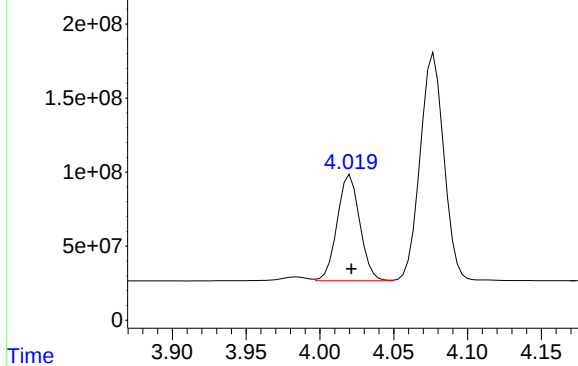
Response_ Signal: PD090201.D\ECD1A.ch



#6 beta-BHC

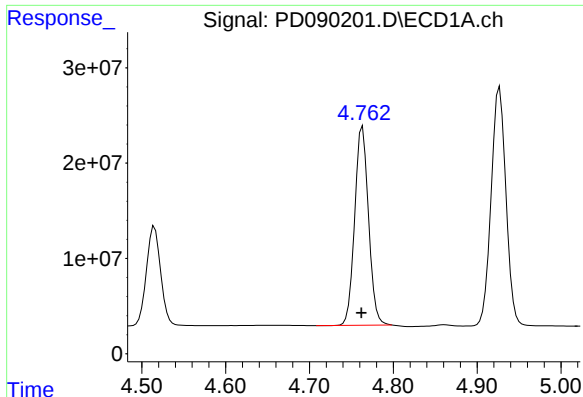
R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 123057882
Conc: 54.86 ng/ml

Response_ Signal: PD090201.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 763715648
Conc: 57.29 ng/ml



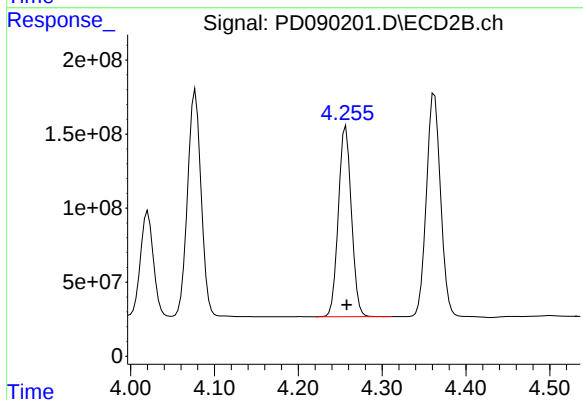
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.001 min
Response: 239551582
Conc: 46.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

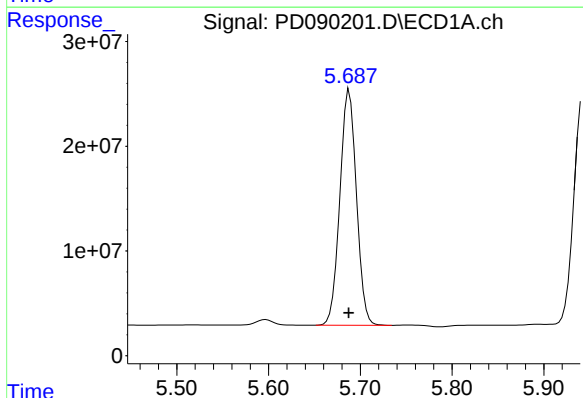
Manual Integrations
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Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



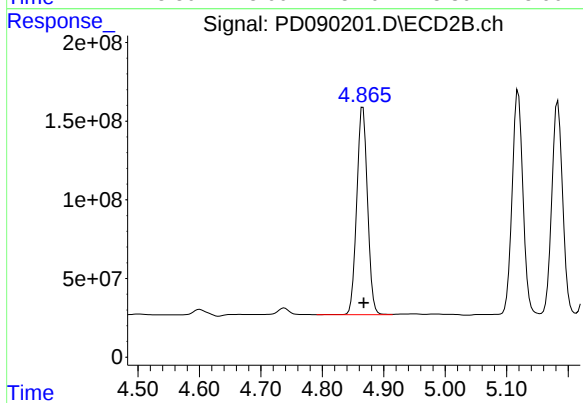
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1390136224
Conc: 44.06 ng/ml



#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 282207303
Conc: 57.51 ng/ml



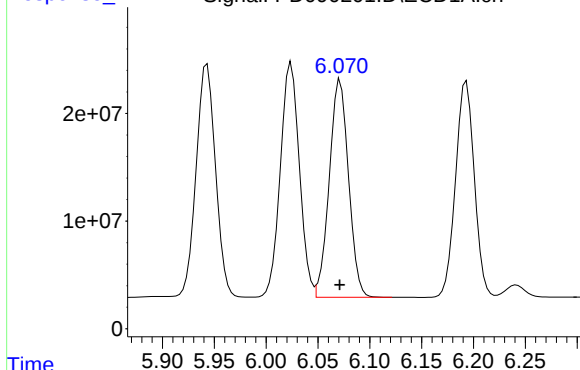
#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: -0.001 min
Response: 1604356897
Conc: 57.93 ng/ml

Response_

Signal: PD090201.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 261425038
Conc: 56.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

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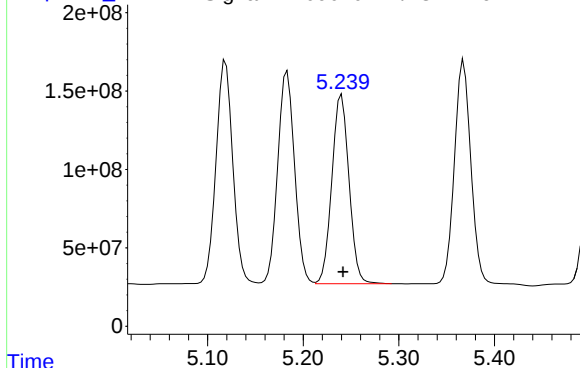
Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025

Time

Response_

Signal: PD090201.D\ECD2B.ch

#9 Endosulfan I



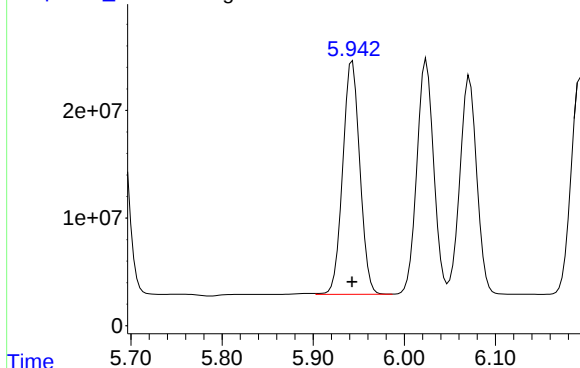
R.T.: 5.240 min
Delta R.T.: -0.001 min
Response: 1499971067
Conc: 57.20 ng/ml

Time

Response_

Signal: PD090201.D\ECD1A.ch

#10 gamma-Chlordane



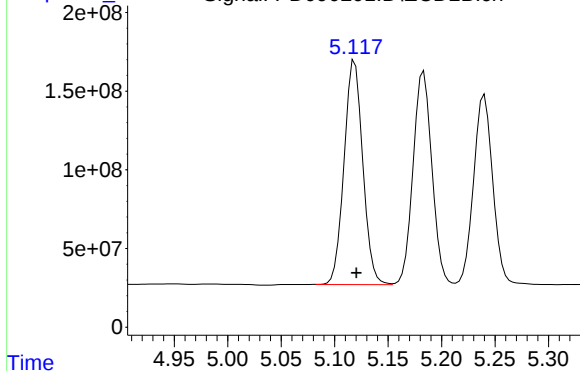
R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 282726820
Conc: 57.81 ng/ml

Time

Response_

Signal: PD090201.D\ECD2B.ch

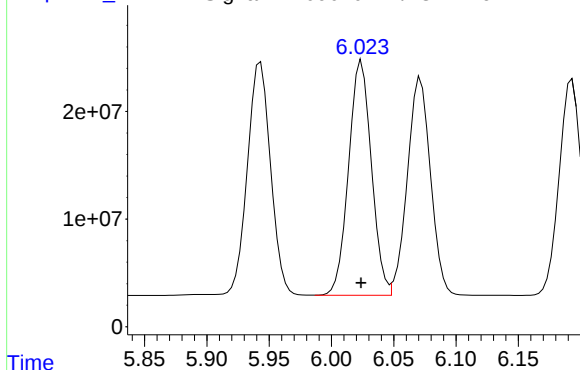
#10 gamma-Chlordane



R.T.: 5.117 min
Delta R.T.: -0.003 min
Response: 1739657223
Conc: 58.75 ng/ml m

Time

Response_ Signal: PD090201.D\ECD1A.ch



#11 alpha-Chlordane

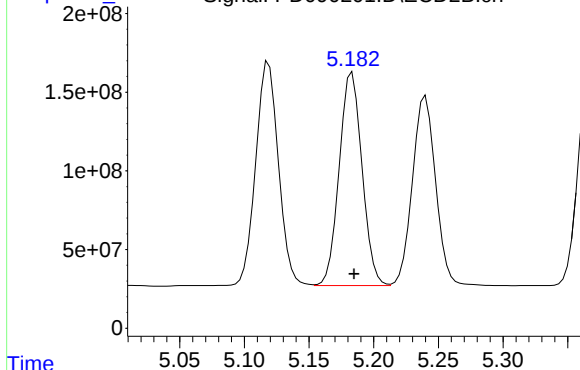
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 279639311
Conc: 56.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

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

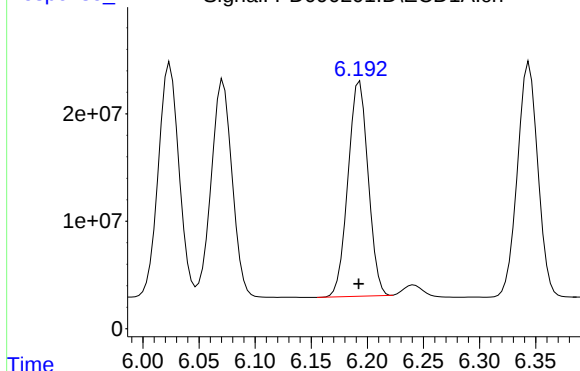
Time Response_ Signal: PD090201.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.001 min
Response: 1661012712
Conc: 58.20 ng/ml

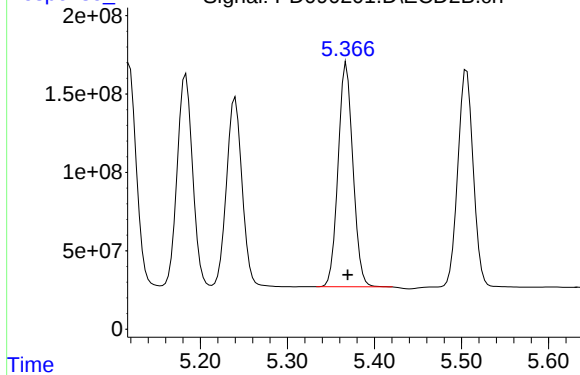
Time Response_ Signal: PD090201.D\ECD1A.ch



#12 4,4'-DDE

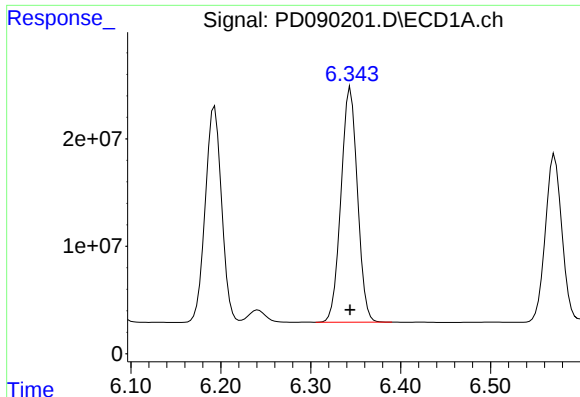
R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 249795710
Conc: 56.92 ng/ml

Time Response_ Signal: PD090201.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: -0.001 min
Response: 1692651502
Conc: 58.73 ng/ml



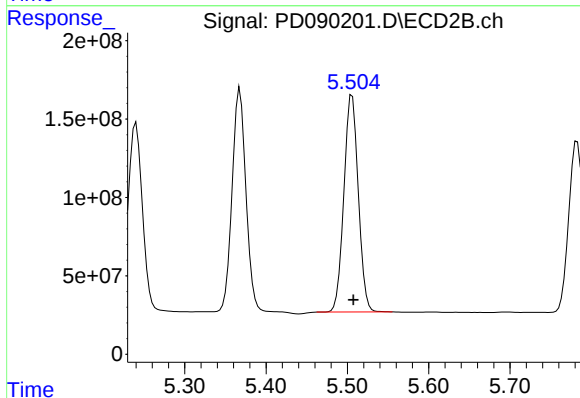
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 277730902
Conc: 56.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

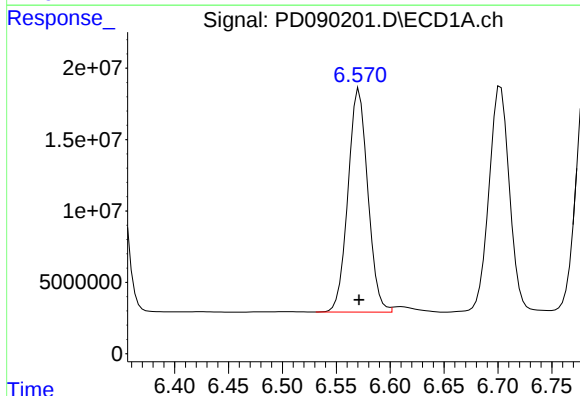
Manual Integrations
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Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



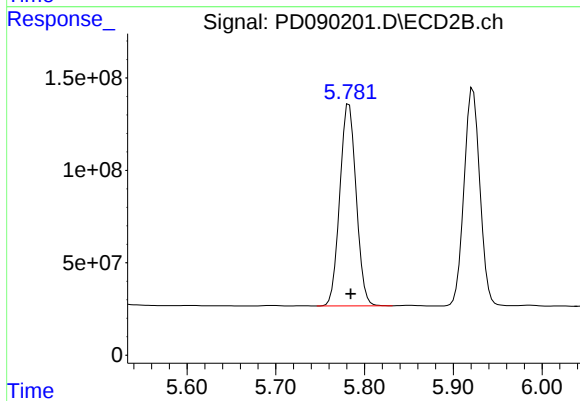
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.001 min
Response: 1701686042
Conc: 58.10 ng/ml



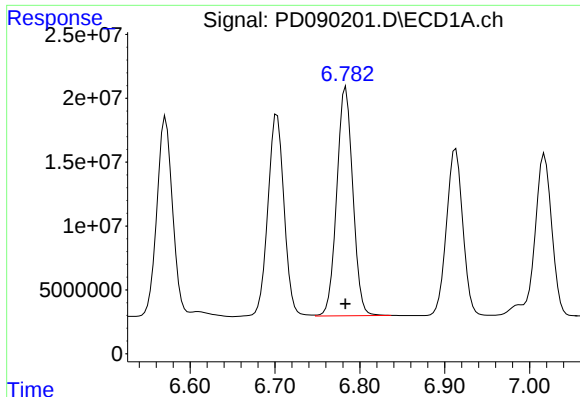
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 200231166
Conc: 48.32 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1398425486
Conc: 52.51 ng/ml



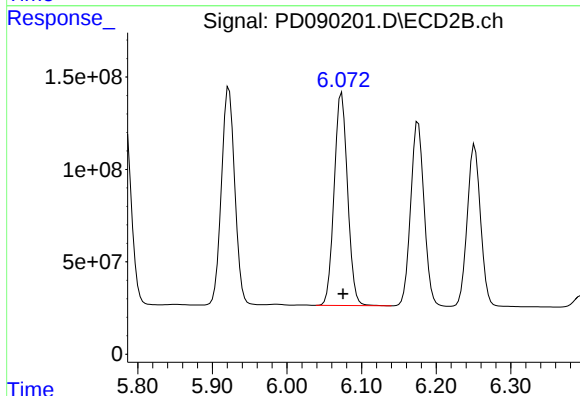
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 234841678
Conc: 55.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

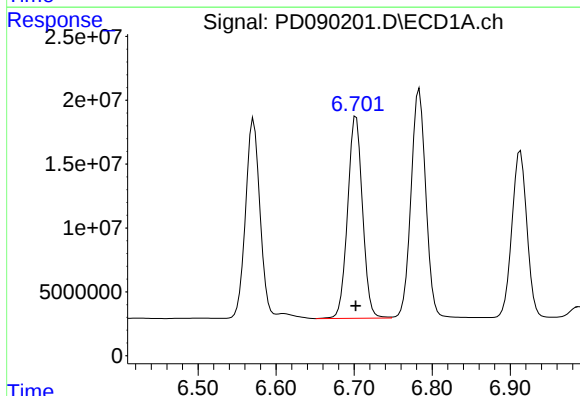
Manual Integrations
APPROVED

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



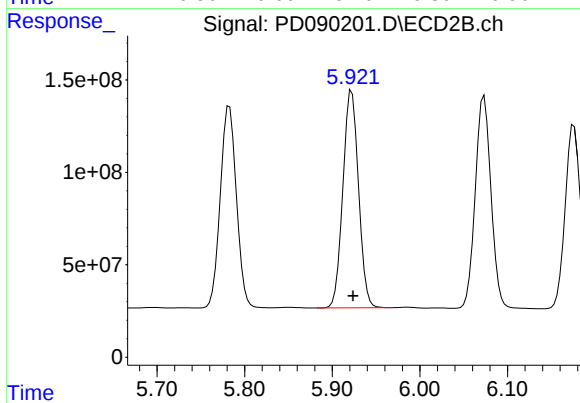
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: -0.002 min
Response: 1439458059
Conc: 56.91 ng/ml



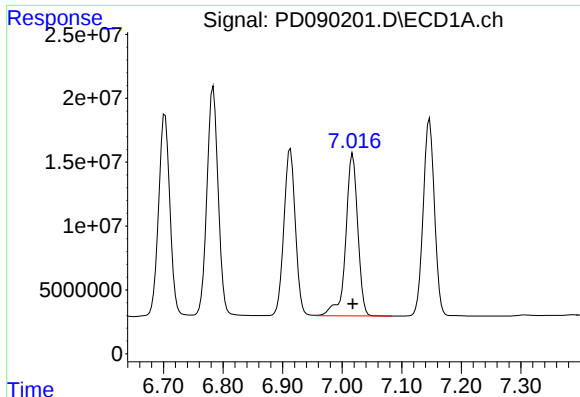
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 209454322
Conc: 60.55 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.002 min
Response: 1460201559
Conc: 60.73 ng/ml



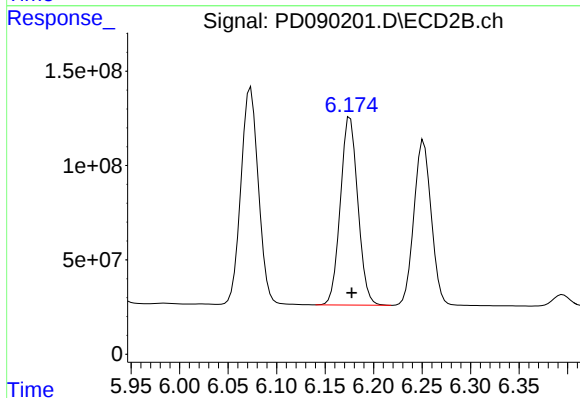
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 178598350
Conc: 46.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

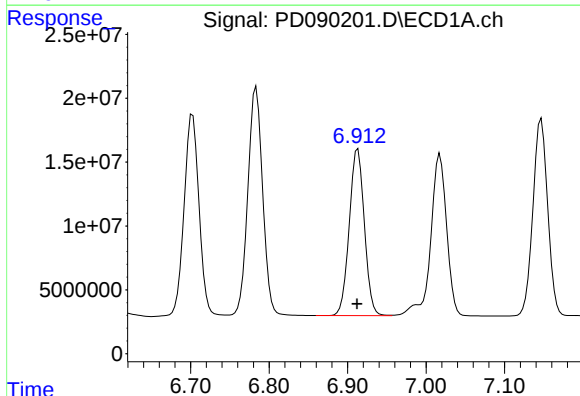
Manual Integrations
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Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



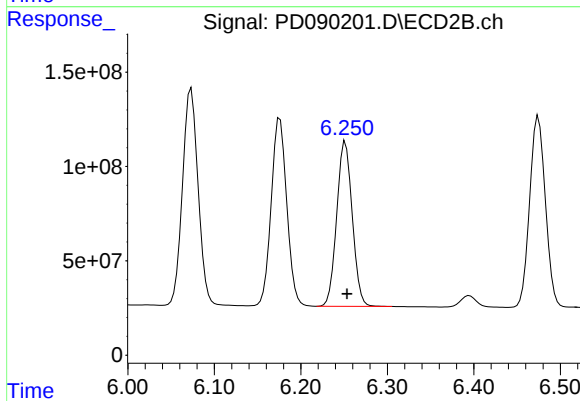
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.002 min
Response: 1247207227
Conc: 49.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.001 min
Response: 174691850
Conc: 60.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.002 min
Response: 1082982904
Conc: 62.89 ng/ml

Response_ Signal: PD090201.D\ECD1A.ch

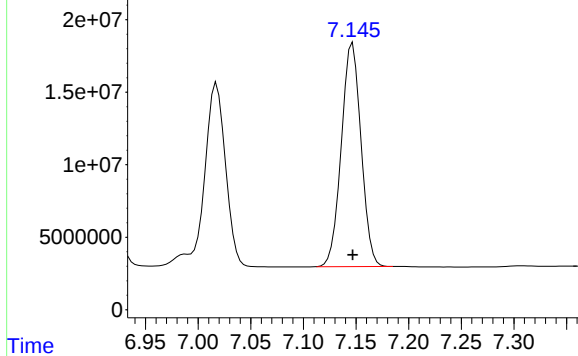
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 201575093
Conc: 51.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

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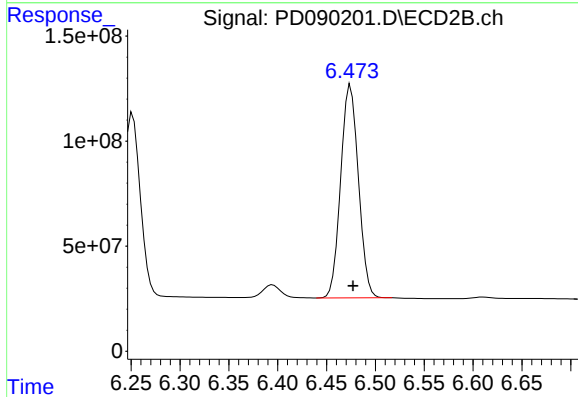
Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



Response_ Signal: PD090201.D\ECD2B.ch

#19 Endosulfan Sulfate

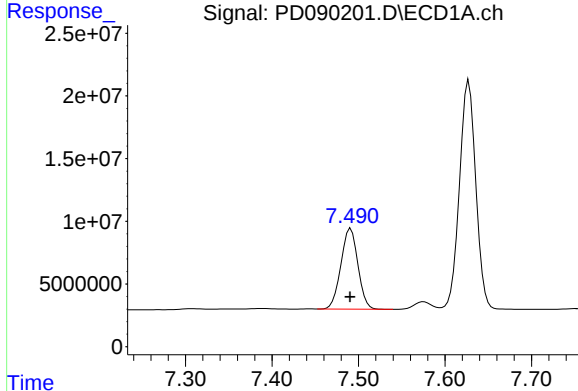
R.T.: 6.475 min
Delta R.T.: -0.002 min
Response: 1282942868
Conc: 52.62 ng/ml



Response_ Signal: PD090201.D\ECD1A.ch

#20 Methoxychlor

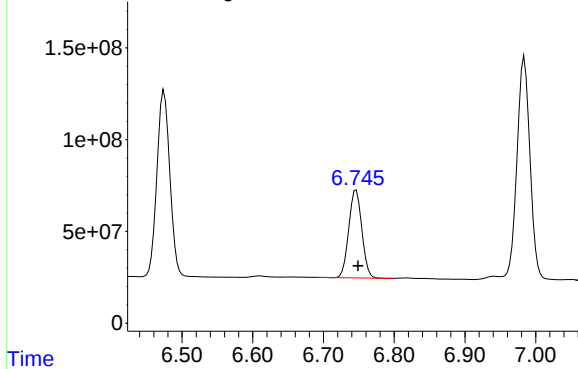
R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 87425156
Conc: 43.59 ng/ml



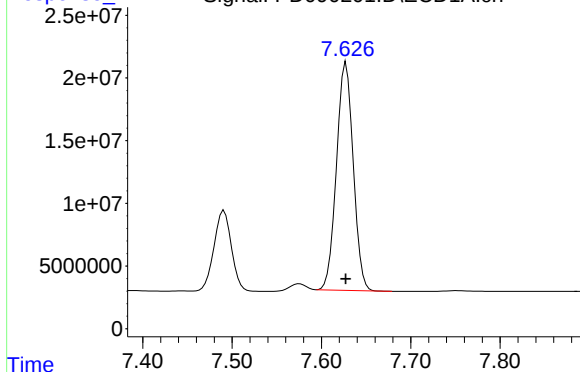
Response_ Signal: PD090201.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.003 min
Response: 616106395
Conc: 47.78 ng/ml



Signal: PD090201.D\ECD1A.ch



#21 Endrin ketone

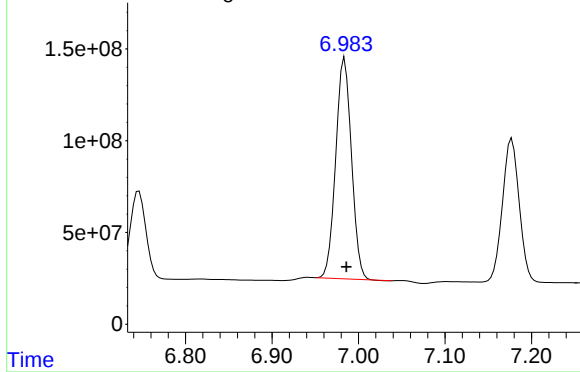
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 236474763
Conc: 57.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

Manual Integrations
APPROVED

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

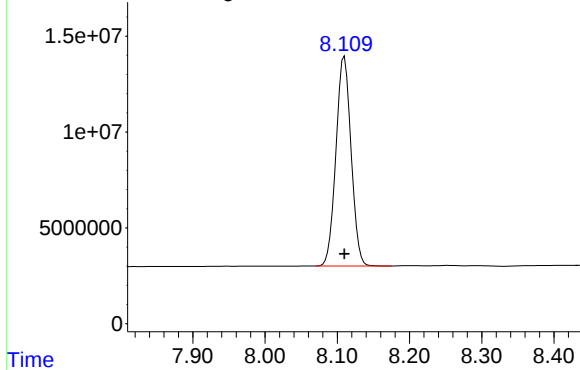
Signal: PD090201.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 1510731196
Conc: 56.70 ng/ml

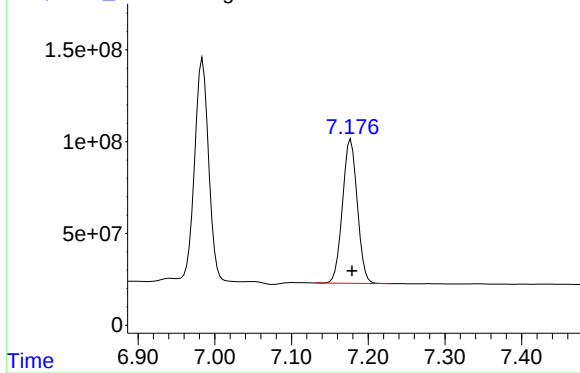
Signal: PD090201.D\ECD1A.ch



#22 Mirex

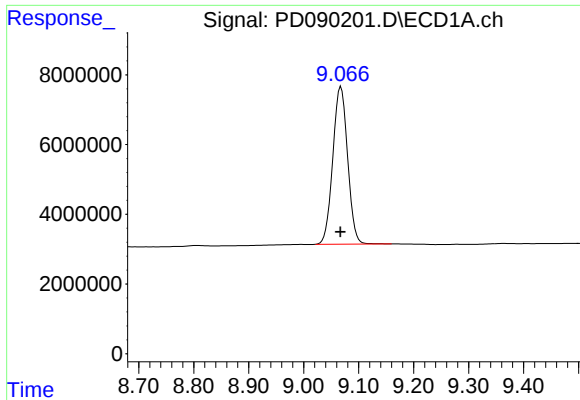
R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 158984892
Conc: 50.40 ng/ml

Signal: PD090201.D\ECD2B.ch



#22 Mirex

R.T.: 7.177 min
Delta R.T.: -0.002 min
Response: 1053289368
Conc: 50.99 ng/ml



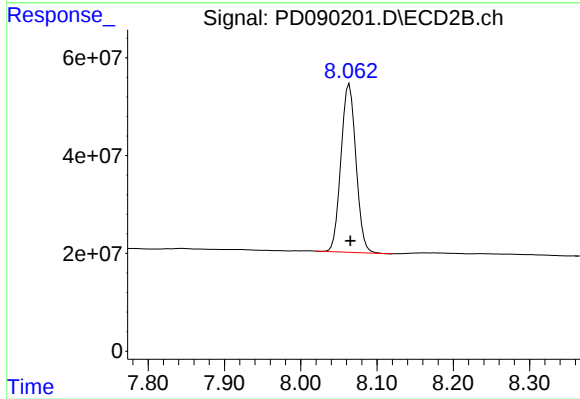
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 84536584
Conc: 19.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

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



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.002 min
Response: 469691280
Conc: 18.14 ng/ml

Manual Integration Report

Sequence:	pd081825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PD089961.D	Decachlorobiphenyl #2	Abdul	8/19/2025 9:46:41 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software
I.BLK	PD089961.D	Tetrachloro-m-xylene #2	Abdul	8/19/2025 9:46:41 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software
PSTDICC100	PD089964.D	gamma-Chlordane #2	Abdul	8/19/2025 9:46:43 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software
PSTDICC075	PD089965.D	gamma-Chlordane #2	Abdul	8/19/2025 9:46:47 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software
PSTDICC005	PD089968.D	gamma-Chlordane #2	Abdul	8/19/2025 9:46:50 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software

Manual Integration Report

Sequence:	pd081925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089984.D	Endrin ketone	Abdul	8/21/2025 9:27:07 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PEM	PD089984.D	Endrin ketone #2	Abdul	8/21/2025 9:27:07 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PEM	PD089993.D	4,4"-DDD	Abdul	8/20/2025 8:41:34 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PEM	PD089993.D	Endrin ketone	Abdul	8/20/2025 8:41:34 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PEM	PD089993.D	Endrin ketone #2	Abdul	8/20/2025 8:41:34 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PTOXCCC500	PD089996.D	Toxaphene-5	Abdul	8/20/2025 8:41:37 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PSTDCCC050	PD090000.D	gamma-Chlordane #2	Abdul	8/20/2025 8:41:10 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software

Manual Integration Report

Sequence:	pd090825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090183.D	Endrin ketone	Abdul	9/9/2025 8:52:26 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
PSTDCCC050	PD090195.D	delta-BHC	Abdul	9/9/2025 8:52:56 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
PSTDCCC050	PD090195.D	Endrin ketone	Abdul	9/9/2025 8:52:56 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
Q3015-09	PD090197.D	4,4"-DDT	Abdul	9/9/2025 8:53:00 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
Q3015-09	PD090197.D	Tetrachloro-m-xylene	Abdul	9/9/2025 8:53:00 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
Q3015-09DL	PD090198.D	4,4"-DDT	Abdul	9/9/2025 8:53:03 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
Q3015-09DL	PD090198.D	Decachlorobiphenyl #2	Abdul	9/9/2025 8:53:03 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
Q3015-09DL	PD090198.D	Endrin ketone	Abdul	9/9/2025 8:53:03 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
Q3015-09DL	PD090198.D	gamma-Chlordane	Abdul	9/9/2025 8:53:03 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
Q3015-09DL2	PD090199.D	Methoxychlor #2	Abdul	9/9/2025 8:53:07 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
PB169601BS	PD090200.D	Tetrachloro-m-xylene	Abdul	9/9/2025 8:53:10 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
PB169601BSD	PD090201.D	gamma-Chlordane #2	Abdul	9/9/2025 8:53:14 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software
PB169601BSD	PD090201.D	Tetrachloro-m-xylene	Abdul	9/9/2025 8:53:14 AM	mohammad	9/10/2025 1:44:31	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pd090825

Instrument

ECD_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081825

Review By	Abdul	Review On	8/19/2025 9:47:27 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:23 AM
SubDirectory	PD081825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	PD089960.D	18 Aug 2025 10:30	AR\AJ	Ok
2	I.BLK	PD089961.D	18 Aug 2025 10:44	AR\AJ	Ok,M
3	PEM	PD089962.D	18 Aug 2025 10:57	AR\AJ	Ok
4	RESCHK	PD089963.D	18 Aug 2025 11:11	AR\AJ	Ok
5	PSTDICC100	PD089964.D	18 Aug 2025 11:25	AR\AJ	Ok,M
6	PSTDICC075	PD089965.D	18 Aug 2025 11:39	AR\AJ	Ok,M
7	PSTDICC050	PD089966.D	18 Aug 2025 11:53	AR\AJ	Ok
8	PSTDICC025	PD089967.D	18 Aug 2025 12:06	AR\AJ	Ok
9	PSTDICC005	PD089968.D	18 Aug 2025 12:20	AR\AJ	Ok,M
10	PCHLORICC1000	PD089969.D	18 Aug 2025 13:50	AR\AJ	Not Ok
11	PCHLORICC750	PD089970.D	18 Aug 2025 14:06	AR\AJ	Not Ok
12	PCHLORICC500	PD089971.D	18 Aug 2025 14:19	AR\AJ	Not Ok
13	PCHLORICC250	PD089972.D	18 Aug 2025 14:33	AR\AJ	Not Ok
14	PCHLORICC050	PD089973.D	18 Aug 2025 14:47	AR\AJ	Not Ok
15	PTOXICC1000	PD089974.D	18 Aug 2025 15:00	AR\AJ	Ok
16	PTOXICC750	PD089975.D	18 Aug 2025 15:17	AR\AJ	Ok
17	PTOXICC500	PD089976.D	18 Aug 2025 15:31	AR\AJ	Ok
18	PTOXICC250	PD089977.D	18 Aug 2025 15:44	AR\AJ	Ok
19	PTOXICC100	PD089978.D	18 Aug 2025 15:58	AR\AJ	Ok
20	PSTDICV050	PD089979.D	18 Aug 2025 16:12	AR\AJ	Ok
21	PCHLORICV500	PD089980.D	18 Aug 2025 16:25	AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081825

Review By	Abdul	Review On	8/19/2025 9:47:27 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:23 AM
SubDirectory	PD081825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	PD089981.D	18 Aug 2025 16:39	AR\AJ	Ok
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M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081925

Review By	Abdul	Review On	8/20/2025 8:42:02 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:20 AM
SubDirectory	PD081925	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,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	PD089982.D	19 Aug 2025 09:36	AR\AJ	Ok
2	I.BLK	PD089983.D	19 Aug 2025 09:50	AR\AJ	Ok
3	PEM	PD089984.D	19 Aug 2025 10:03	AR\AJ	Ok,M
4	RESCHK	PD089985.D	19 Aug 2025 10:17	AR\AJ	Ok
5	PCHLORICC1000	PD089986.D	19 Aug 2025 10:30	AR\AJ	Ok
6	PCHLORICC750	PD089987.D	19 Aug 2025 11:10	AR\AJ	Ok
7	PCHLORICC500	PD089988.D	19 Aug 2025 11:24	AR\AJ	Ok
8	PCHLORICC250	PD089989.D	19 Aug 2025 11:37	AR\AJ	Ok
9	PCHLORICC050	PD089990.D	19 Aug 2025 11:51	AR\AJ	Ok,M
10	PCHLORICV500	PD089991.D	19 Aug 2025 12:28	AR\AJ	Ok
11	I.BLK	PD089992.D	19 Aug 2025 13:29	AR\AJ	Ok
12	PEM	PD089993.D	19 Aug 2025 13:43	AR\AJ	Ok,M
13	PSTDCCC050	PD089994.D	19 Aug 2025 13:56	AR\AJ	Ok
14	PCHLORCCC500	PD089995.D	19 Aug 2025 14:48	AR\AJ	Ok
15	PTOXCCC500	PD089996.D	19 Aug 2025 15:04	AR\AJ	Ok,M
16	PB169206BS	PD089997.D	19 Aug 2025 16:02	AR\AJ	Ok
17	PB169206BS	PD089998.D	19 Aug 2025 16:16	AR\AJ	Ok
18	I.BLK	PD089999.D	19 Aug 2025 16:38	AR\AJ	Ok
19	PSTDCCC050	PD090000.D	19 Aug 2025 16:52	AR\AJ	Ok,M
20	PCHLORCCC500	PD090001.D	19 Aug 2025 17:05	AR\AJ	Ok
21	PTOXCCC500	PD090002.D	19 Aug 2025 17:19	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD090825

Review By	Abdul	Review On	9/9/2025 8:53:53 AM
Supervise By	mohammad	Supervise On	9/10/2025 1:44:31 AM
SubDirectory	PD090825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	PD090181.D	08 Sep 2025 09:29	AR\AJ	Ok
2	I.BLK	PD090182.D	08 Sep 2025 09:42	AR\AJ	Ok
3	PEM	PD090183.D	08 Sep 2025 09:56	AR\AJ	Ok,M
4	PSTDCCC050	PD090184.D	08 Sep 2025 10:26	AR\AJ	Ok
5	Q3023-01	PD090185.D	08 Sep 2025 13:49	AR\AJ	Ok,M
6	Q3023-04	PD090186.D	08 Sep 2025 14:03	AR\AJ	Ok,M
7	Q3023-04MS	PD090187.D	08 Sep 2025 14:16	AR\AJ	Ok,M
8	Q3023-04MSD	PD090188.D	08 Sep 2025 14:30	AR\AJ	Ok,M
9	Q3027-01	PD090189.D	08 Sep 2025 14:44	AR\AJ	Ok,M
10	Q3031-01	PD090190.D	08 Sep 2025 14:57	AR\AJ	Ok,M
11	Q3032-04	PD090191.D	08 Sep 2025 15:11	AR\AJ	Ok,M
12	PB169592BL	PD090192.D	08 Sep 2025 15:25	AR\AJ	Ok
13	PB169592BS	PD090193.D	08 Sep 2025 15:38	AR\AJ	Not Ok
14	I.BLK	PD090194.D	08 Sep 2025 15:52	AR\AJ	Ok
15	PSTDCCC050	PD090195.D	08 Sep 2025 16:26	AR\AJ	Ok,M
16	PB169601BL	PD090196.D	08 Sep 2025 16:40	AR\AJ	Ok
17	Q3015-09	PD090197.D	08 Sep 2025 16:54	AR\AJ	Dilution
18	Q3015-09DL	PD090198.D	08 Sep 2025 17:46	AR\AJ	Dilution
19	Q3015-09DL2	PD090199.D	08 Sep 2025 18:00	AR\AJ	Ok,M
20	PB169601BS	PD090200.D	08 Sep 2025 18:16	AR\AJ	Ok,M
21	PB169601BSD	PD090201.D	08 Sep 2025 18:29	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD090825

Review By	Abdul	Review On	9/9/2025 8:53:53 AM
Supervise By	mohammad	Supervise On	9/10/2025 1:44:31 AM
SubDirectory	PD090825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	I.BLK	PD090202.D	08 Sep 2025 18:43	AR\AJ	Ok
23	PSTDCCC050	PD090203.D	08 Sep 2025 18:59	AR\AJ	Ok
24	Q3022-01	PD090204.D	08 Sep 2025 19:33	AR\AJ	ReRun
25	Q3032-01	PD090205.D	08 Sep 2025 19:47	AR\AJ	Ok,M
26	Q3032-01MS	PD090206.D	08 Sep 2025 20:00	AR\AJ	Ok,M
27	Q3032-01MSD	PD090207.D	08 Sep 2025 20:14	AR\AJ	Ok,M
28	I.BLK	PD090208.D	08 Sep 2025 20:28	AR\AJ	Ok
29	PSTDCCC050	PD090209.D	08 Sep 2025 20:41	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081825

Review By	Abdul	Review On	8/19/2025 9:47:27 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:23 AM
SubDirectory	PD081825	HP Acquire Method	HP Processing Method pd081825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,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	PD089960.D	18 Aug 2025 10:30		AR\AJ	Ok
2	I.BLK	I.BLK	PD089961.D	18 Aug 2025 10:44		AR\AJ	Ok,M
3	PEM	PEM	PD089962.D	18 Aug 2025 10:57		AR\AJ	Ok
4	RESCHK	RESCHK	PD089963.D	18 Aug 2025 11:11		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089964.D	18 Aug 2025 11:25		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PD089965.D	18 Aug 2025 11:39		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PD089966.D	18 Aug 2025 11:53		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089967.D	18 Aug 2025 12:06		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089968.D	18 Aug 2025 12:20		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD089969.D	18 Aug 2025 13:50	DCB high	AR\AJ	Not Ok
11	PCHLORICC750	PCHLORICC750	PD089970.D	18 Aug 2025 14:06	DCB high	AR\AJ	Not Ok
12	PCHLORICC500	PCHLORICC500	PD089971.D	18 Aug 2025 14:19	Not used	AR\AJ	Not Ok
13	PCHLORICC250	PCHLORICC250	PD089972.D	18 Aug 2025 14:33	DCB high	AR\AJ	Not Ok
14	PCHLORICC050	PCHLORICC050	PD089973.D	18 Aug 2025 14:47	DCB high	AR\AJ	Not Ok
15	PTOXICC1000	PTOXICC1000	PD089974.D	18 Aug 2025 15:00		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089975.D	18 Aug 2025 15:17		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089976.D	18 Aug 2025 15:31		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089977.D	18 Aug 2025 15:44		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081825

Review By	Abdul	Review On	8/19/2025 9:47:27 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:23 AM
SubDirectory	PD081825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD089978.D	18 Aug 2025 15:58		AR\AJ	Ok
20	PSTDICV050	ICVPD081825	PD089979.D	18 Aug 2025 16:12		AR\AJ	Ok
21	PCHLORICV500	ICVPD081825CHLOR	PD089980.D	18 Aug 2025 16:25	Not used	AR\AJ	Not Ok
22	PTOXICV500	ICVPD081825TOX	PD089981.D	18 Aug 2025 16:39		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081925

Review By	Abdul	Review On	8/20/2025 8:42:02 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:20 AM
SubDirectory	PD081925	HP Acquire Method	HP Processing Method pd081825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,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	PD089982.D	19 Aug 2025 09:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD089983.D	19 Aug 2025 09:50		AR\AJ	Ok
3	PEM	PEM	PD089984.D	19 Aug 2025 10:03		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089985.D	19 Aug 2025 10:17		AR\AJ	Ok
5	PCHLORICC1000	PCHLORICC1000	PD089986.D	19 Aug 2025 10:30		AR\AJ	Ok
6	PCHLORICC750	PCHLORICC750	PD089987.D	19 Aug 2025 11:10		AR\AJ	Ok
7	PCHLORICC500	PCHLORICC500	PD089988.D	19 Aug 2025 11:24		AR\AJ	Ok
8	PCHLORICC250	PCHLORICC250	PD089989.D	19 Aug 2025 11:37		AR\AJ	Ok
9	PCHLORICC050	PCHLORICC050	PD089990.D	19 Aug 2025 11:51		AR\AJ	Ok,M
10	PCHLORICV500	ICVPD081825CHLOR	PD089991.D	19 Aug 2025 12:28		AR\AJ	Ok
11	I.BLK	I.BLK	PD089992.D	19 Aug 2025 13:29		AR\AJ	Ok
12	PEM	PEM	PD089993.D	19 Aug 2025 13:43		AR\AJ	Ok,M
13	PSTDCCC050	PSTDCCC050	PD089994.D	19 Aug 2025 13:56		AR\AJ	Ok
14	PCHLORCCC500	PCHLORCCC500	PD089995.D	19 Aug 2025 14:48		AR\AJ	Ok
15	PTOXCCC500	PTOXCCC500	PD089996.D	19 Aug 2025 15:04		AR\AJ	Ok,M
16	PB169206BS	PB169206BS	PD089997.D	19 Aug 2025 16:02	CHLOR BS	AR\AJ	Ok
17	PB169206BS	PB169206BS	PD089998.D	19 Aug 2025 16:16	TOX BS	AR\AJ	Ok
18	I.BLK	I.BLK	PD089999.D	19 Aug 2025 16:38		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081925

Review By	Abdul	Review On	8/20/2025 8:42:02 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:20 AM
SubDirectory	PD081925	HP Acquire Method	HP Processing Method
			pd081825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PSTDCCC050	PSTDCCC050	PD090000.D	19 Aug 2025 16:52		AR\AJ	Ok,M
20	PCHLORCCC500	PCHLORCCC500	PD090001.D	19 Aug 2025 17:05		AR\AJ	Ok
21	PTOXCCC500	PTOXCCC500	PD090002.D	19 Aug 2025 17:19		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD090825

Review By	Abdul	Review On	9/9/2025 8:53:53 AM
Supervise By	mohammad	Supervise On	9/10/2025 1:44:31 AM
SubDirectory	PD090825	HP Acquire Method	HP Processing Method pd081825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,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	PD090181.D	08 Sep 2025 09:29		AR\AJ	Ok
2	I.BLK	I.BLK	PD090182.D	08 Sep 2025 09:42		AR\AJ	Ok
3	PEM	PEM	PD090183.D	08 Sep 2025 09:56		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090184.D	08 Sep 2025 10:26		AR\AJ	Ok
5	Q3023-01	TP-1	PD090185.D	08 Sep 2025 13:49		AR\AJ	Ok,M
6	Q3023-04	TP-2	PD090186.D	08 Sep 2025 14:03		AR\AJ	Ok,M
7	Q3023-04MS	TP-2MS	PD090187.D	08 Sep 2025 14:16		AR\AJ	Ok,M
8	Q3023-04MSD	TP-2MSD	PD090188.D	08 Sep 2025 14:30		AR\AJ	Ok,M
9	Q3027-01	HD-01-09042025	PD090189.D	08 Sep 2025 14:44		AR\AJ	Ok,M
10	Q3031-01	PL-01-09052025	PD090190.D	08 Sep 2025 14:57		AR\AJ	Ok,M
11	Q3032-04	SOIL-PILE-2	PD090191.D	08 Sep 2025 15:11		AR\AJ	Ok,M
12	PB169592BL	PB169592BL	PD090192.D	08 Sep 2025 15:25		AR\AJ	Ok
13	PB169592BS	PB169592BS	PD090193.D	08 Sep 2025 15:38	delta-BHC Recovery fail	AR\AJ	Not Ok
14	I.BLK	I.BLK	PD090194.D	08 Sep 2025 15:52		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PD090195.D	08 Sep 2025 16:26		AR\AJ	Ok,M
16	PB169601BL	PB169601BL	PD090196.D	08 Sep 2025 16:40		AR\AJ	Ok
17	Q3015-09	WP0925-PT-PEST-WP	PD090197.D	08 Sep 2025 16:54	need dilution	AR\AJ	Dilution
18	Q3015-09DL	WP0925-PT-PEST-WP	PD090198.D	08 Sep 2025 17:46	need dilution	AR\AJ	Dilution

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD090825

Review By	Abdul	Review On	9/9/2025 8:53:53 AM
Supervise By	mohammad	Supervise On	9/10/2025 1:44:31 AM
SubDirectory	PD090825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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			

19	Q3015-09DL2	WP0925-PT-PEST-WP	PD090199.D	08 Sep 2025 18:00		AR\AJ	Ok,M
20	PB169601BS	PB169601BS	PD090200.D	08 Sep 2025 18:16		AR\AJ	Ok,M
21	PB169601BSD	PB169601BSD	PD090201.D	08 Sep 2025 18:29		AR\AJ	Ok,M
22	I.BLK	I.BLK	PD090202.D	08 Sep 2025 18:43		AR\AJ	Ok
23	PSTDCCC050	PSTDCCC050	PD090203.D	08 Sep 2025 18:59		AR\AJ	Ok
24	Q3022-01	1413	PD090204.D	08 Sep 2025 19:33	DCB Low in both column	AR\AJ	ReRun
25	Q3032-01	SOIL-PILE-1	PD090205.D	08 Sep 2025 19:47		AR\AJ	Ok,M
26	Q3032-01MS	SOIL-PILE-1MS	PD090206.D	08 Sep 2025 20:00		AR\AJ	Ok,M
27	Q3032-01MSD	SOIL-PILE-1MSD	PD090207.D	08 Sep 2025 20:14		AR\AJ	Ok,M
28	I.BLK	I.BLK	PD090208.D	08 Sep 2025 20:28		AR\AJ	Ok
29	PSTDCCC050	PSTDCCC050	PD090209.D	08 Sep 2025 20:41		AR\AJ	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction Pesticide-17

Clean Up SOP #: Florisil **Extraction Start Date :** 09/08/2025

Matrix : Water **Extraction Start Time :** 10:05

Weigh By: N/A **Extraction By:** RJ **Extraction End Date :** 09/08/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 14:30

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strlp Lot#: E3953 **Hood ID:** 4,6,7 **Supervisor By :** ritesh

Extraction Method: ☒ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standardized 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
Methylene Chloride	N/A	E3964
Baked Na2SO4	N/A	EP2636
Hexane	N/A	E3968
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

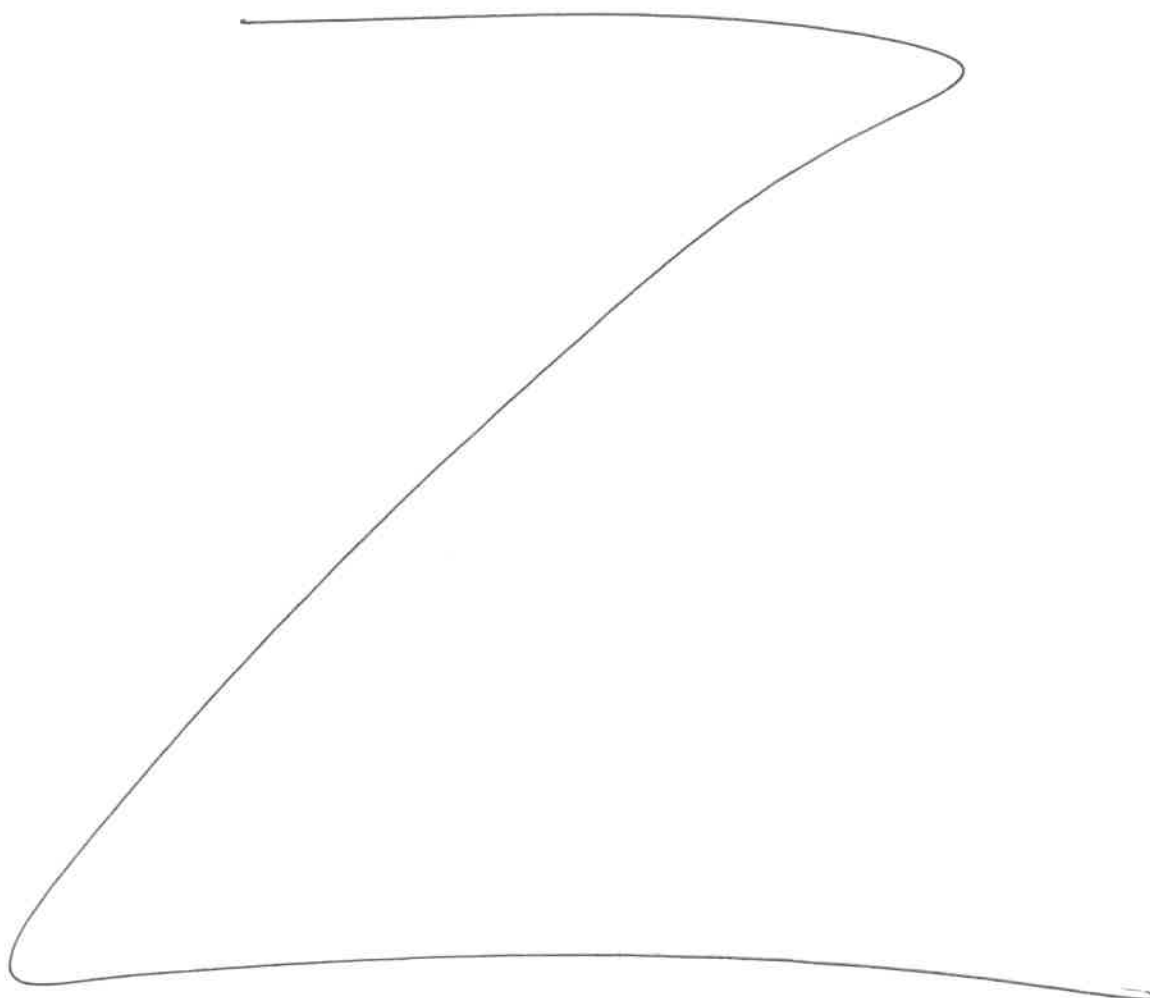
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/8/25	RJ (Ext-146)	PP-RESTHPCB.
14:35	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-17

Concentration Date: 09/08/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169601BL	PBLK601	Pesticide-TCL	1000	6	ritesh	Evelyn	10			SEP-8
PB169601BS	PLCS601	Pesticide-TCL	1000	6	ritesh	Evelyn	10			9
PB169601BS D	PLCSD601	Pesticide-TCL	1000	6	ritesh	Evelyn	10			10
Q3015-09	WP0925-PT-PEST-WP	PESTICIDE Group1	1000	6	ritesh	Evelyn	10			11
Q3022-01	1413	Pesticide-TCL	1000	6	ritesh	Evelyn	10	M		12



23
918

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3022P

WorkList ID : 191730

Department : Extraction

Date : 09-08-2025 09:17:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3015-09	WP0925-PT-PEST-WP	Water	PESTICIDE Group1	Cool 4 deg C	ALLI03	QA Of	09/02/2025	8081B
Q3022-01	1413	Water	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	09/04/2025	8081B

Date/Time 09/08/25 10:00
 Raw Sample Received by: RJ LEST-1467
 Raw Sample Relinquished by: OP S

Q3015-PESTICIDE Group1

Date/Time 10:40
 Raw Sample Received by: OP S
 Raw Sample Relinquished by: RJ LEST-1467
 312 of 378

Prep Standard - Chemical Standard Summary

Order ID : Q3015
Test : PESTICIDE Group1
Prepbatch ID : PB169601,
Sequence ID/Qc Batch ID: pd090825

Standard ID :
 EP2596,EP2636,PP24329,PP24433,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,PP24805,PP24890,

Chemical ID :
 E3875,E3914,E3915,E3927,E3941,E3944,E3955,E3956,E3962,E3964,E3968,P12604,P12610,P13038,P13041,P13196,
 ,P13246,P13356,P13774,P13786,P13788,P13789,P13862,P9053,W3177,

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>
1215	FLOROSIL CLEAN UP-WASHING SOLN	EP2596	03/27/2025	09/19/2025	Rajesh Parikh	None	None	Evelyn Huang
								03/27/2025

FROM 100.00000ml of E3915 + 900.00000ml of E3914 = Final Quantity: 1000.000 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	EP2636	08/27/2025	01/28/2026	Riteshkumar Patel	Extraction_SC ALE_2 (EX-SC-2)	None	Evelyn Huang
								08/27/2025

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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = 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>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
								04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = 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>
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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13789 + 9.00000ml of E3962 = 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>
518	Pest/PCB I.BLK 20 PPB	PP24890	08/20/2025	02/18/2026	Abdul Mirza	None	None	Yogesh Patel
FROM 99.90000ml of E3962 + 0.10000ml of PP24805 = Final Quantity: 100.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

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	09/26/2025	03/26/2025 / Rajesh	03/19/2025 / RUPESH	E3915

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

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	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	08/14/2025 / RUPESH	03/06/2025 / RUPESH	E3964

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)	25CO362005	03/03/2026	09/03/2025 / Riteshkumar	08/27/2025 / Riteshkumar	E3968

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

CHEMICAL RECEIPT LOG BOOK

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

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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

CHEMICAL RECEIPT LOG BOOK

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	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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	02/18/2026	08/18/2025 / yogesh	11/19/2024 / Ankita	P13789

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

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)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 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

Recd. by RS on 3/19/25

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3915

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

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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

Agela Technologies

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

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

Received on 7/30/25

E3962

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date: 2026-04-16
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	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

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 .

E 3964

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor

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

Rec on 8/27/25

E 3968

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



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039
 ↓
 P13043
 1
 5
 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.)

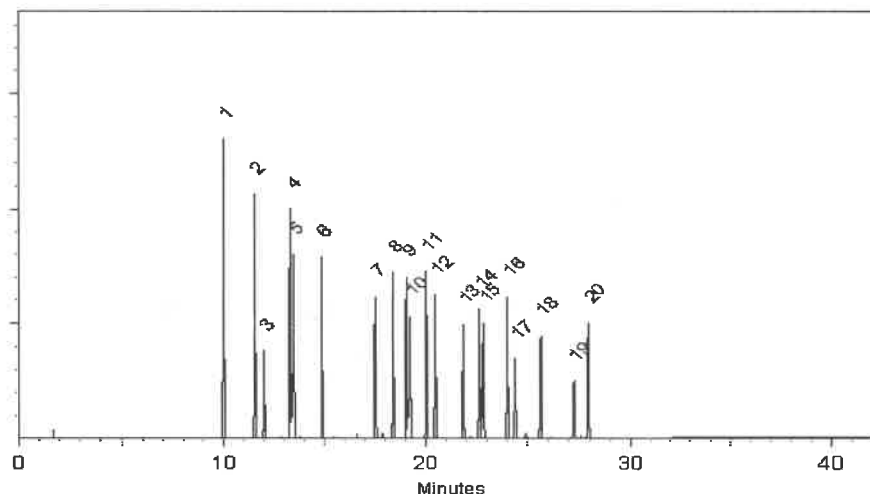
Inj. Temp:
 200°C

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**

		042022
Formulated By:	Prashant Chauhan	DATE
		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

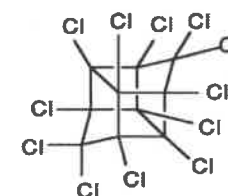
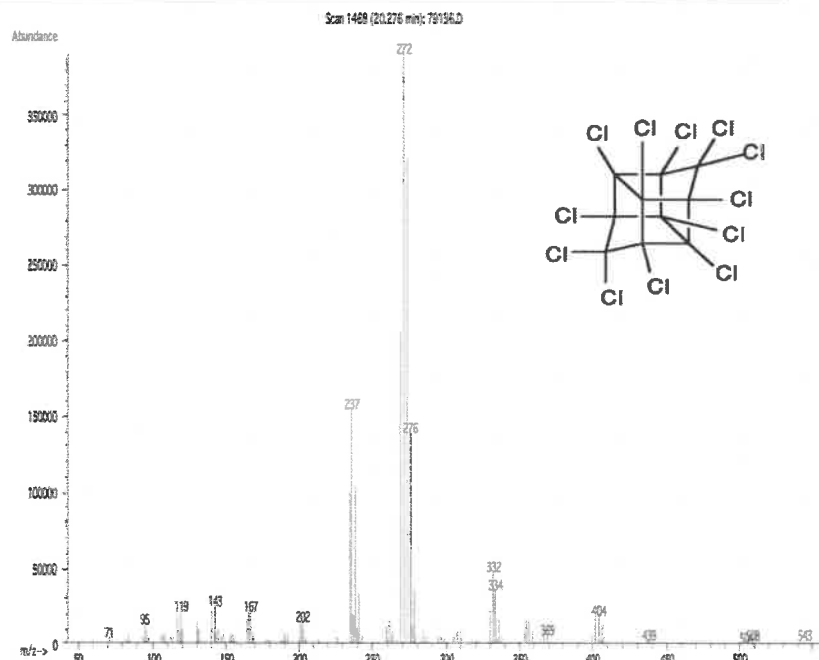
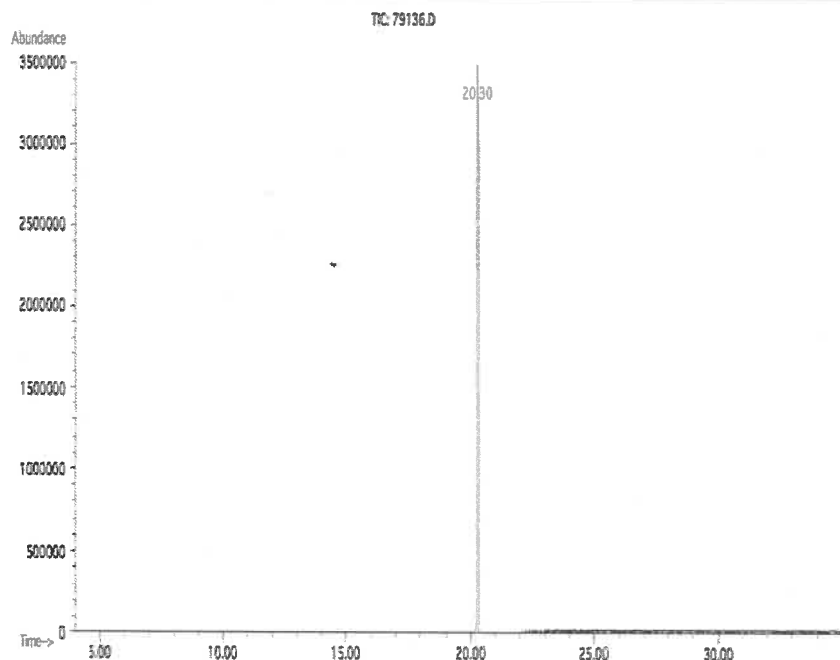
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

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).

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5/5/20
5



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
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P 12605
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✓ Raut
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

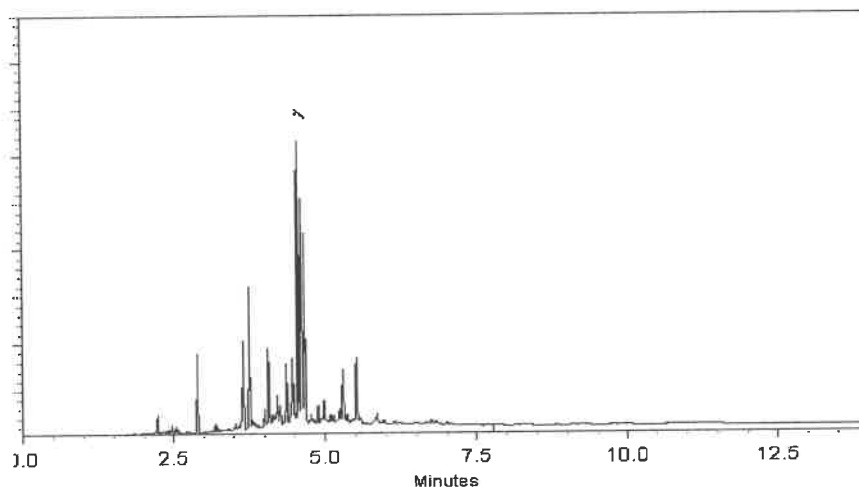
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

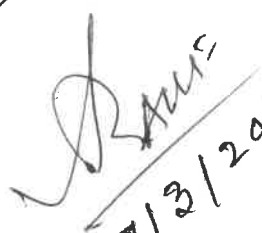
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

Handwritten: P 12606, P 12610, 5 Five, 7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. { hold 10 min.}

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

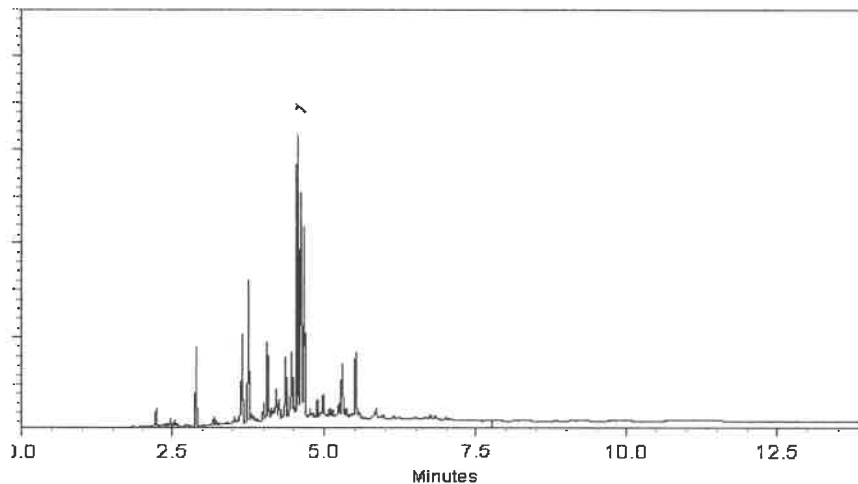
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
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P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
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.)

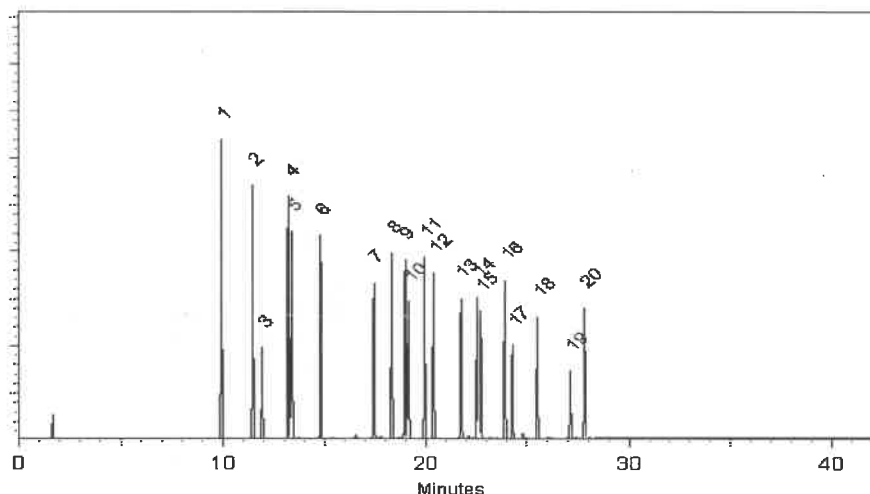
Inj. Temp:
200°C

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 273615 (50%)
 Toluene 28508 (50%)

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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04/25/2024

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%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

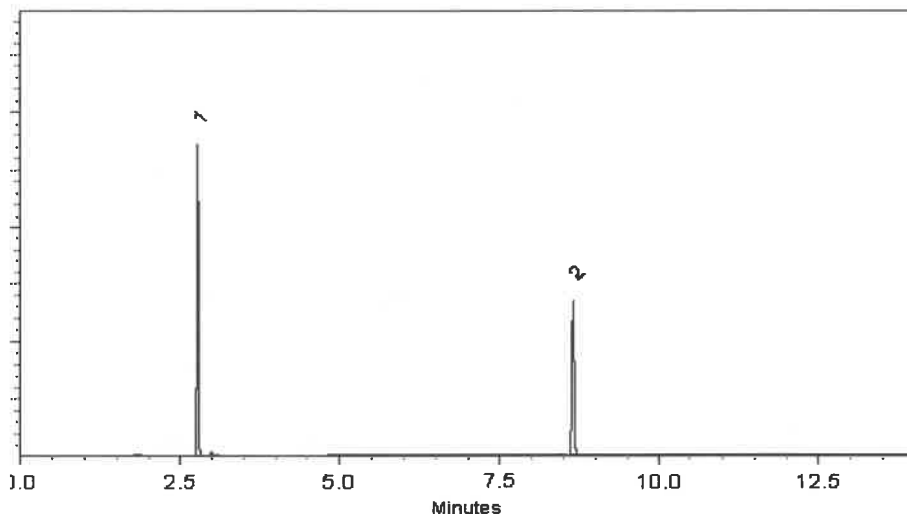
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10

SAUF
04/25/2025



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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
AJ
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:

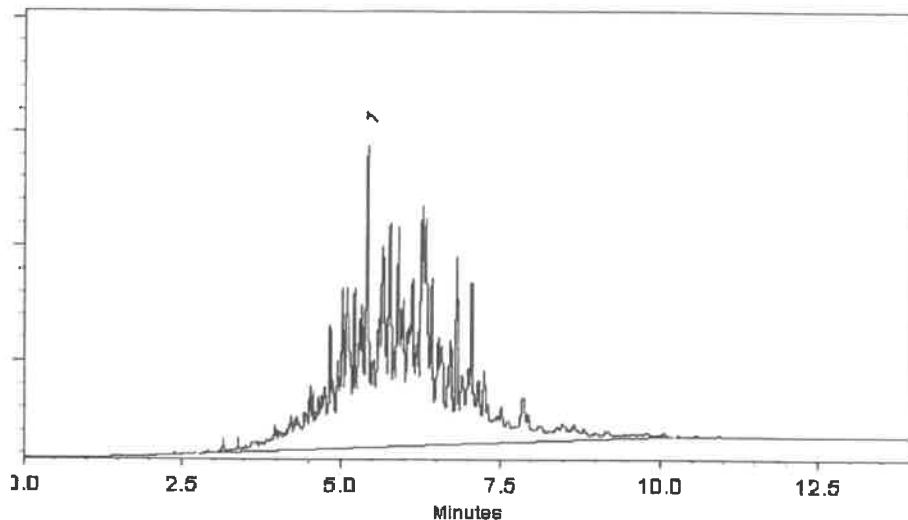
ECD

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

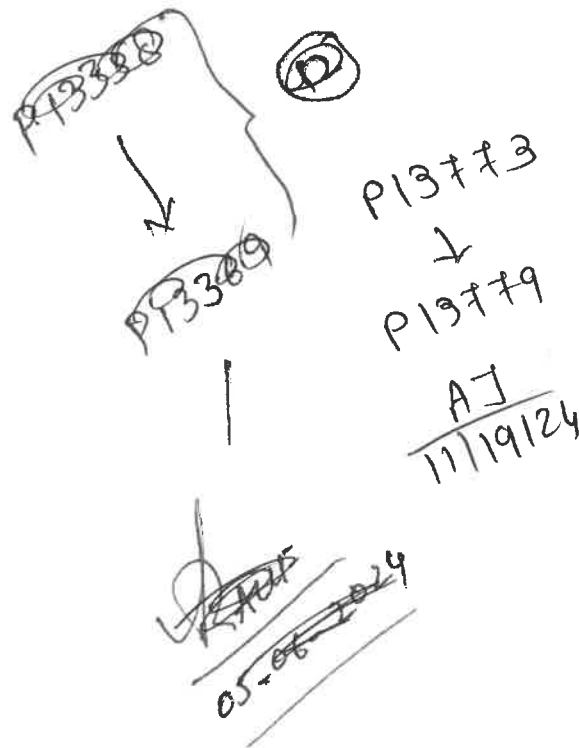
Date Mixed: 10-Oct-2023

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 in the bottom right corner. 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'.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

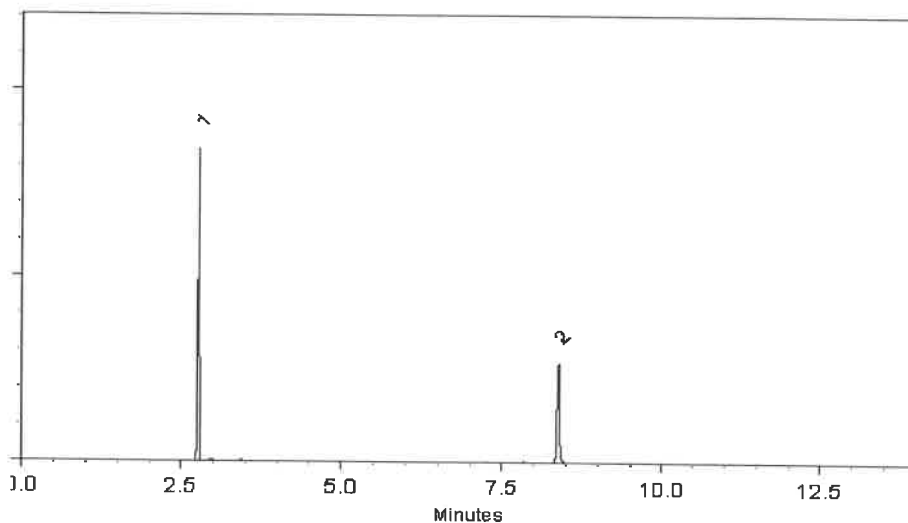
ECD

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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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:

hellum-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:

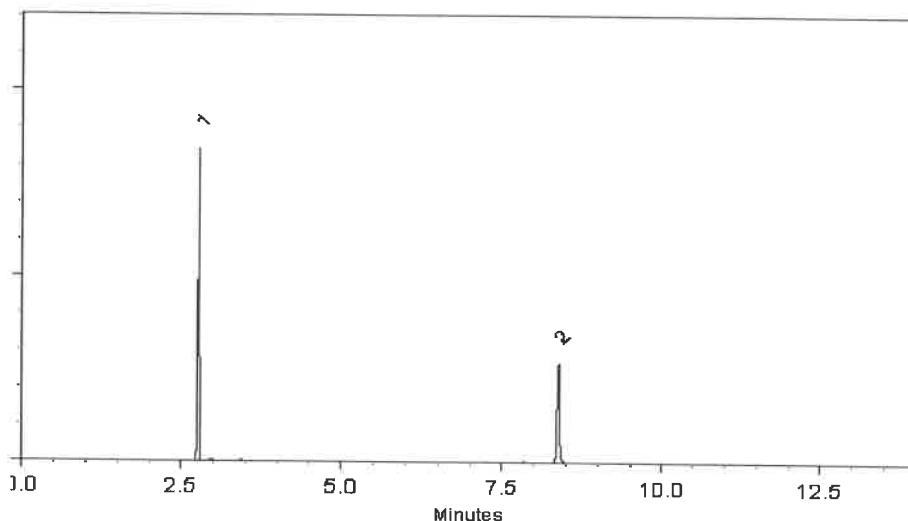
ECD

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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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:

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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:

hellum-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:

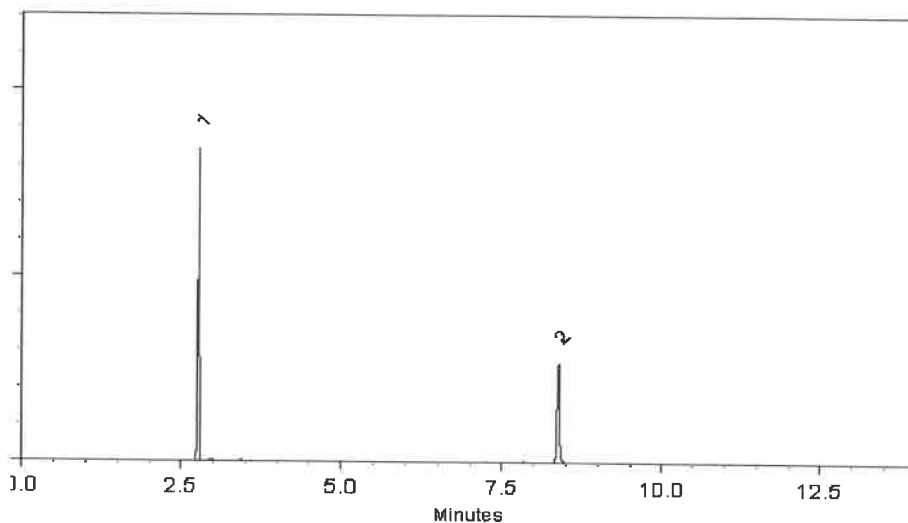
ECD

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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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.:** 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.)

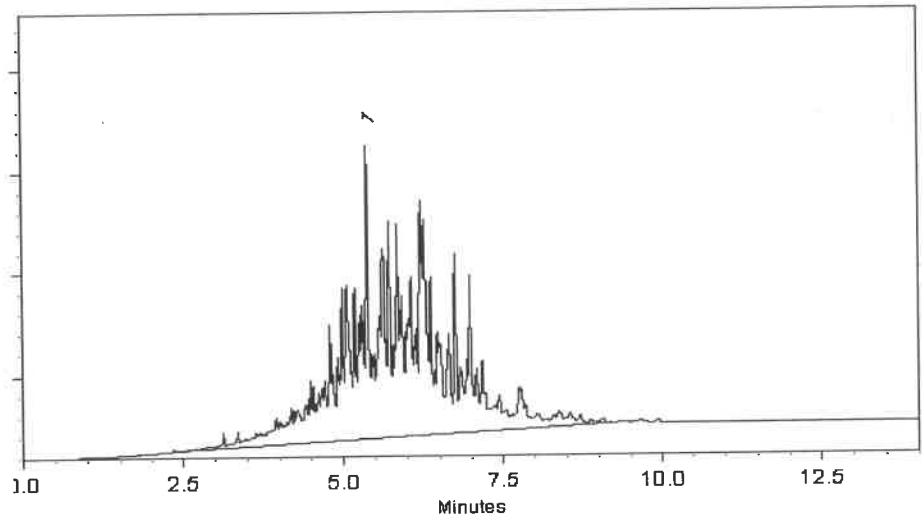
Inj. Temp:
250°C

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.

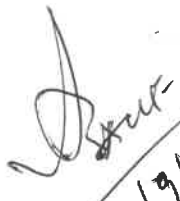

Amanda Miller - Operations Tech III - ARM QC

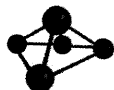
Date Mixed: 11-Apr-2024 **Balance Serial #** B442140311


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**
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**

Solvent(s): **Methylene chloride**
Lot#: **102669**

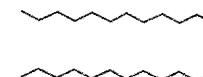
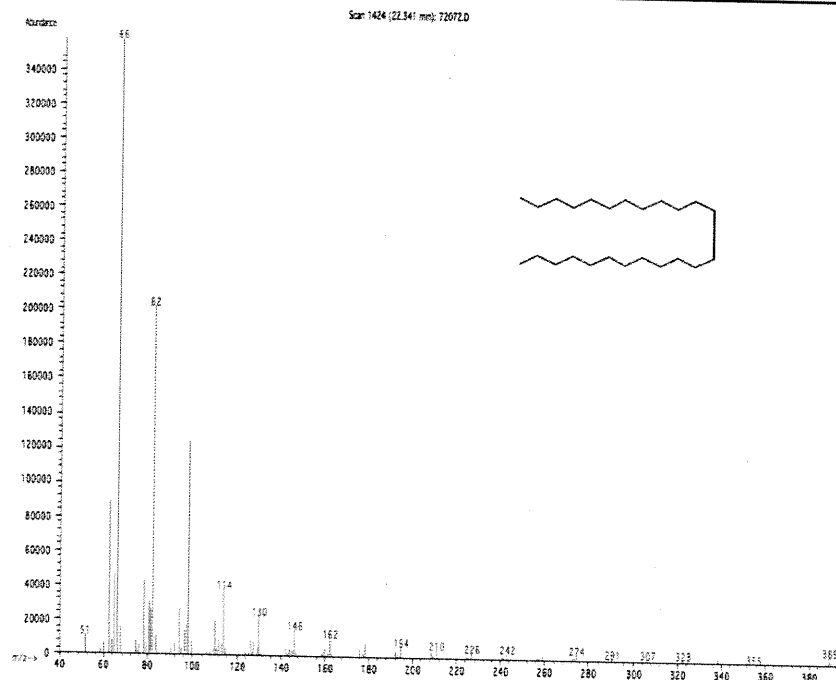
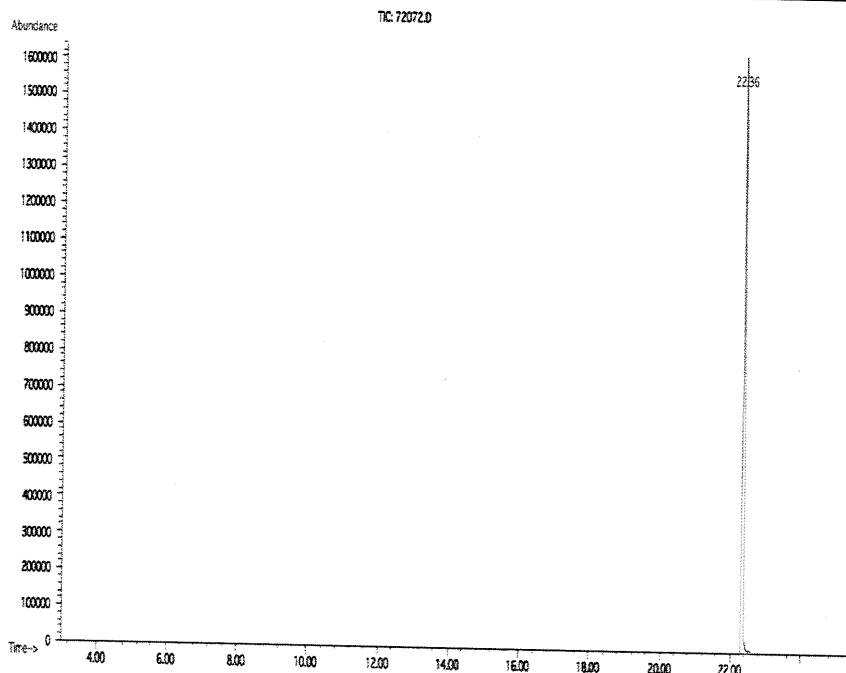
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

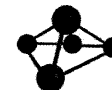
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

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

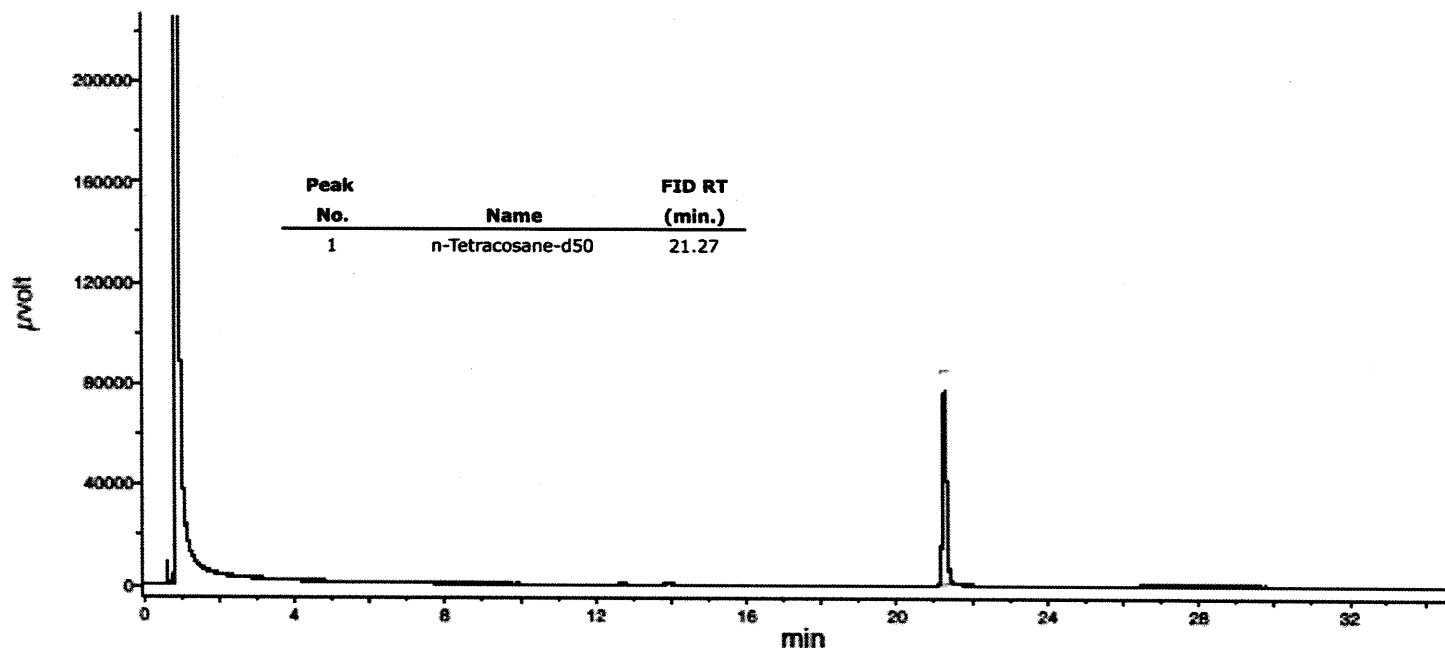
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

W3147
W3147
Cpate. 02/03/2023
JP

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

J. Croak
Jamie Croak
Director Quality Operations, Bioscience
373 of 378



SHIPPING DOCUMENTS

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Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsandsale

Date	Order #
09/02/2025	333290



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: *ST* 9/4/2025
9:25

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0925	8270-04
1	1	0	PT-HG-WP	WP Mercury	WP0925	8270-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0925	8270-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0925	8270-06
1	1	0	PT-DEM-WP	WP Demand	WP0925	8270-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0925	8270-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0925	8270-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0925	8270-72
1	1	0	PT-COND-WP	WP Conductivity Only	WP0925	8270-72
1	1	0	PT-SOL-WP	WP Solids	WP0925	8270-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0925	8270-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0925	8270-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0925	8270-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0925	8270-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0925	8270-13
1	1	0	PT-PH-WP	WP pH	WP0925	8270-15
1	1	0	PT-CN-WP	WP Cyanide	WP0925	8270-14

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Date	Order #
09/02/2025	333290



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/4/2025
9:25

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-PHEN-WP	WP Phenolics	WP0925	8270-16
1	1	0	PT-S2-WP	WP Sulfide	WP0925	8270-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0925	8270-17
1	1	0	PT-VSOL-WP	WP Volatile Solids	WP0925	8270-18
1	1	0	PT-TURB-WP	WP Turbidity	WP0925	8270-20
1	1	0	PT-SIO2-WP	WP Silica	WP0925	8270-21
1	1	0	PT-COL-WP	WP Color	WP0925	8270-51
1	1	0	PT-VOA-WP	WP Volatiles	WP0925	8270-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0925	8270-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0925	8270-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0925	8270-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0925	8270-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0925	8270-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0925	8270-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0925	8270-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R41815	R41815-104
1	1	0	RR-PAH-WP	WP PAH-Low Level	R41815	R41815-37
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R41815	R41815-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R41815	R41815-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R41815	R41815-98

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Golden, CO 80403

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Date	Order #
09/05/2025	340092



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/9/2025 12:20

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R41854	R41854-108

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