

Cover Page

Order ID : Q3375

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3375-01
Q3375-02
Q3375-03
Q3375-04
Q3375-05

Client Sample Number

PR132-S02-074099-20251016
PR132-S04-000013-20251016
PR132-S05-000057-20251016
PR132-S02-010074-20251016
PR132-DP02-20251016

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: 10/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

AECOM

Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Project # N/A

Order ID # Q3375

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/16/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

Sample#PR132-S05-000057-20251016 was reported with J flag on form 1 for com#alpha-Chlordane based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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

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



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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_____

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: Q3375

MATRIX: Solid

METHOD: 8081B/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds. The MSD recoveries met the requirements for all compounds. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
9. Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

Sample#PR132-S05-000057-20251016 was reported with J flag on form 1 for com#alpha-Chlordane based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3375

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/27/2025

LAB CHRONICLE

OrderID:	Q3375	OrderDate:	10/17/2025 10:32:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	DOCK-Des-ODC - Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	PR132-S02-074099-2 0251016	SOIL			10/16/25			10/16/25
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-02	PR132-S04-000013-2 0251016	SOIL			10/16/25			10/16/25
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-03	PR132-S05-000057-2 0251016	SOIL			10/16/25			10/16/25
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-04	PR132-S02-010074-2 0251016	SOIL			10/16/25			10/16/25
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-05	PR132-DP02-2025101 6	SOIL			10/16/25			10/16/25
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	

Hit Summary Sheet
SW-846

SDG No.: Q3375

Order ID: Q3375

Client: AECOM

Project ID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S05-000057-20251016								
Q3375-03	PR132-S05-000057-20	SOIL	Dieldrin	0.77	JP	0.21	2.50	ug/kg
Q3375-03	PR132-S05-000057-20	SOIL	4,4-DDE	1.60	J	0.21	2.50	ug/kg
Q3375-03	PR132-S05-000057-20	SOIL	4,4-DDD	0.88	J	0.22	2.50	ug/kg
Q3375-03	PR132-S05-000057-20	SOIL	alpha-Chlordane	0.30	J	0.18	2.50	ug/kg
Q3375-03	PR132-S05-000057-20	SOIL	gamma-Chlordane	0.37	J	0.22	2.50	ug/kg
Total Concentration:				3.920				
Client ID : PR132-DP02-20251016								
Q3375-05	PR132-DP02-2025101	SOIL	Dieldrin	1.10	JP	0.21	2.50	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	4,4-DDE	2.70	P	0.21	2.50	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	4,4-DDD	3.50		0.22	2.50	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	alpha-Chlordane	0.57	JP	0.18	2.50	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	gamma-Chlordane	0.77	J	0.22	2.50	ug/kg
Total Concentration:				8.640				



QC SUMMARY

Surrogate Summary

SDG No.: Q3375

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	20.3	102		57	171
		Tetrachloro-m-xyl	2	20	20.0	100		61	148
I.BLK-PD090690.D	PIBLK-PD090690.D	Decachlorobiphen	1	20	22.4	112		57	171
		Tetrachloro-m-xyl	1	20	23.4	117		61	148
		Decachlorobiphen	2	20	21.9	109		57	171
		Tetrachloro-m-xyl	2	20	23.5	118		61	148
PB170163BL	PB170163BL	Decachlorobiphen	1	20	20.8	104		20	144
		Tetrachloro-m-xyl	1	20	20.0	100		19	148
		Decachlorobiphen	2	20	19.9	100		20	144
		Tetrachloro-m-xyl	2	20	20.6	103		19	148
PB170163BS	PB170163BS	Decachlorobiphen	1	20	20.7	103		20	144
		Tetrachloro-m-xyl	1	20	16.5	83		19	148
		Decachlorobiphen	2	20	20.1	101		20	144
		Tetrachloro-m-xyl	2	20	16.8	84		19	148
I.BLK-PD090703.D	PIBLK-PD090703.D	Decachlorobiphen	1	20	21.8	109		57	171
		Tetrachloro-m-xyl	1	20	22.8	114		61	148
		Decachlorobiphen	2	20	18.8	94		57	171
		Tetrachloro-m-xyl	2	20	22.7	113		61	148
Q3374-05MS	TP-5-WCMS	Decachlorobiphen	1	20	17.0	85		20	144
		Tetrachloro-m-xyl	1	20	18.7	94		19	148
		Decachlorobiphen	2	20	16.4	82		20	144
		Tetrachloro-m-xyl	2	20	19.4	97		19	148
Q3374-05MSD	TP-5-WCMSD	Decachlorobiphen	1	20	18.6	93		20	144
		Tetrachloro-m-xyl	1	20	18.9	95		19	148
		Decachlorobiphen	2	20	17.0	85		20	144
		Tetrachloro-m-xyl	2	20	19.7	99		19	148
I.BLK-PD090711.D	PIBLK-PD090711.D	Decachlorobiphen	1	20	20.1	100		57	171
		Tetrachloro-m-xyl	1	20	20.5	102		61	148
		Decachlorobiphen	2	20	18.9	94		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
Q3375-01	PR132-S02-074099-20251016	Decachlorobiphen	1	20	10.5	52		20	144
		Tetrachloro-m-xyl	1	20	15.6	78		19	148
		Decachlorobiphen	2	20	9.23	46		20	144
		Tetrachloro-m-xyl	2	20	15.8	79		19	148
Q3375-02	PR132-S04-000013-20251016	Decachlorobiphen	1	20	10.9	55		20	144
		Tetrachloro-m-xyl	1	20	17.4	87		19	148
		Decachlorobiphen	2	20	10.3	52		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
Q3375-03	PR132-S05-000057-20251016	Decachlorobiphen	1	20	11.7	59		20	144

Surrogate Summary

SDG No.: Q3375

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3375-03	PR132-S05-000057-20251016	Tetrachloro-m-xyl	1	20	14.2	71		19	148
		Decachlorobiphen	2	20	10.4	52		20	144
		Tetrachloro-m-xyl	2	20	13.6	68		19	148
Q3375-04	PR132-S02-010074-20251016	Decachlorobiphen	1	20	13.0	65		20	144
		Tetrachloro-m-xyl	1	20	16.1	80		19	148
		Decachlorobiphen	2	20	11.6	58		20	144
		Tetrachloro-m-xyl	2	20	16.0	80		19	148
Q3375-05	PR132-DP02-20251016	Decachlorobiphen	1	20	13.1	65		20	144
		Tetrachloro-m-xyl	1	20	15.3	76		19	148
		Decachlorobiphen	2	20	11.3	57		20	144
		Tetrachloro-m-xyl	2	20	15.0	75		19	148
I.BLK-PD090719.D	PIBLK-PD090719.D	Decachlorobiphen	1	20	20.3	102		57	171
		Tetrachloro-m-xyl	1	20	21.1	105		61	148
		Decachlorobiphen	2	20	19.5	97		57	171
		Tetrachloro-m-xyl	2	20	20.6	103		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3375</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090707.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		
			Result				Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3374-05MS (Column 1)	Client Sample ID:		TP-5-WCMS								
	alpha-BHC	17.88	0	17.7	ug/kg	99				60	144	
	beta-BHC	17.88	0	17.3	ug/kg	97				54	143	
	delta-BHC	17.88	0	17.6	ug/kg	98				29	151	
	gamma-BHC (Lindane)	17.88	0	17.5	ug/kg	98				61	140	
	Heptachlor	17.88	0	17.8	ug/kg	100				63	135	
	Aldrin	17.88	0	17.4	ug/kg	97				49	139	
	Heptachlor epoxide	17.88	0	17.3	ug/kg	97				41	156	
	Endosulfan I	17.88	0	17.1	ug/kg	96				56	142	
	Dieldrin	17.88	0	17.2	ug/kg	96				47	161	
	4,4'-DDE	17.88	0	17.2	ug/kg	96				55	136	
	Endrin	17.88	0	17.3	ug/kg	97				57	139	
	Endosulfan II	17.88	0	13.4	ug/kg	75				40	163	
	4,4'-DDD	17.88	0	17.9	ug/kg	100				47	163	
	Endosulfan sulfate	17.88	0	16.4	ug/kg	92				62	139	
	4,4'-DDT	17.88	0	17.8	ug/kg	100				51	146	
	Methoxychlor	17.88	0	16.9	ug/kg	95				54	136	
	Endrin ketone	17.88	0	16.7	ug/kg	93				60	129	
	Endrin aldehyde	17.88	0	16.5	ug/kg	92				59	132	
	alpha-Chlordane	17.88	0	16.5	ug/kg	92				39	166	
	gamma-Chlordane	17.88	0	16.7	ug/kg	93				44	175	
Lab Sample ID:	Q3374-05MS (Column 2)	Client Sample ID:		TP-5-WCMS								
	alpha-BHC	17.88	0	16.7	ug/kg	93				60	144	
	beta-BHC	17.88	0	16.8	ug/kg	94				54	143	
	delta-BHC	17.88	0	16.6	ug/kg	93				29	151	
	gamma-BHC (Lindane)	17.88	0	16.6	ug/kg	93				61	140	
	Heptachlor	17.88	0	16.6	ug/kg	93				63	135	
	Aldrin	17.88	0	16.8	ug/kg	94				49	139	
	Heptachlor epoxide	17.88	0	16.3	ug/kg	91				41	156	
	Endosulfan I	17.88	0	16.7	ug/kg	93				56	142	
	Dieldrin	17.88	0	16.7	ug/kg	93				47	161	
	4,4'-DDE	17.88	0	16.7	ug/kg	93				55	136	
	Endrin	17.88	0	17.1	ug/kg	96				57	139	
	Endosulfan II	17.88	0	16.5	ug/kg	92				40	163	
	4,4'-DDD	17.88	0	15.5	ug/kg	87				47	163	
	Endosulfan sulfate	17.88	0	16.1	ug/kg	90				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3375</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090707.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	17.88	0	16.9	ug/kg	95				51	146	
Methoxychlor	17.88	0	16.4	ug/kg	92				54	136	
Endrin ketone	17.88	0	16.2	ug/kg	91				60	129	
Endrin aldehyde	17.88	0	16.2	ug/kg	91				59	132	
alpha-Chlordane	17.88	0	16.8	ug/kg	94				39	166	
gamma-Chlordane	17.88	0	16.7	ug/kg	93				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3375</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090708.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Low	Limits		RPD
			Result					Qual	RPD		High		
Lab Sample ID:	Q3374-05MSD (Column 1)	Client Sample ID:		TP-5-WCMSD									
	alpha-BHC	17.86	0	18.1	ug/kg	101		2		60	144		20
	beta-BHC	17.86	0	17.5	ug/kg	98		1		54	143		20
	delta-BHC	17.86	0	17.9	ug/kg	100		2		29	151		20
	gamma-BHC (Lindane)	17.86	0	17.8	ug/kg	100		2		61	140		20
	Heptachlor	17.86	0	18.0	ug/kg	101		1		63	135		20
	Aldrin	17.86	0	17.7	ug/kg	99		2		49	139		20
	Heptachlor epoxide	17.86	0	17.5	ug/kg	98		1		41	156		20
	Endosulfan I	17.86	0	17.4	ug/kg	97		1		56	142		20
	Dieldrin	17.86	0	17.5	ug/kg	98		2		47	161		20
	4,4'-DDE	17.86	0	17.5	ug/kg	98		2		55	136		20
	Endrin	17.86	0	17.6	ug/kg	99		2		57	139		20
	Endosulfan II	17.86	0	13.7	ug/kg	77		3		40	163		20
	4,4'-DDD	17.86	0	18.3	ug/kg	102		2		47	163		20
	Endosulfan sulfate	17.86	0	16.6	ug/kg	93		1		62	139		20
	4,4'-DDT	17.86	0	17.9	ug/kg	100		0		51	146		20
	Methoxychlor	17.86	0	17.2	ug/kg	96		1		54	136		20
	Endrin ketone	17.86	0	17.0	ug/kg	95		2		60	129		20
	Endrin aldehyde	17.86	0	17.0	ug/kg	95		3		59	132		20
	alpha-Chlordane	17.86	0	16.7	ug/kg	94		2		39	166		20
	gamma-Chlordane	17.86	0	16.9	ug/kg	95		2		44	175		20
Lab Sample ID:	Q3374-05MSD (Column 2)	Client Sample ID:		TP-5-WCMSD									
	alpha-BHC	17.86	0	16.9	ug/kg	95		2		60	144		20
	beta-BHC	17.86	0	17.1	ug/kg	96		2		54	143		20
	delta-BHC	17.86	0	16.9	ug/kg	95		2		29	151		20
	gamma-BHC (Lindane)	17.86	0	16.9	ug/kg	95		2		61	140		20
	Heptachlor	17.86	0	16.8	ug/kg	94		1		63	135		20
	Aldrin	17.86	0	17.0	ug/kg	95		1		49	139		20
	Heptachlor epoxide	17.86	0	16.6	ug/kg	93		2		41	156		20
	Endosulfan I	17.86	0	16.9	ug/kg	95		2		56	142		20
	Dieldrin	17.86	0	16.9	ug/kg	95		2		47	161		20
	4,4'-DDE	17.86	0	16.8	ug/kg	94		1		55	136		20
	Endrin	17.86	0	17.0	ug/kg	95		1		57	139		20
	Endosulfan II	17.86	0	16.7	ug/kg	94		2		40	163		20
	4,4'-DDD	17.86	0	15.6	ug/kg	87		0		47	163		20
	Endosulfan sulfate	17.86	0	16.4	ug/kg	92		2		62	139		20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3375</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090708.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	17.86	0	17.3	ug/kg	97		2		51	146	20
Methoxychlor	17.86	0	16.7	ug/kg	94		2		54	136	20
Endrin ketone	17.86	0	16.5	ug/kg	92		1		60	129	20
Endrin aldehyde	17.86	0	16.7	ug/kg	94		3		59	132	20
alpha-Chlordane	17.86	0	17.0	ug/kg	95		1		39	166	20
gamma-Chlordane	17.86	0	16.9	ug/kg	95		2		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375

Analytical Method: 8081B

Client: AECOM

Datafile : PD090694.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170163BS (Column 1)	alpha-BHC	16.66	17.6	ug/kg	106				84	123	
	beta-BHC	16.66	16.9	ug/kg	101				82	123	
	delta-BHC	16.66	17.4	ug/kg	104				83	126	
	gamma-BHC (Lindane)	16.66	17.4	ug/kg	104				83	125	
	Heptachlor	16.66	20.3	ug/kg	122				83	122	
	Aldrin	16.66	17.4	ug/kg	104				82	124	
	Heptachlor epoxide	16.66	17.6	ug/kg	106				83	120	
	Endosulfan I	16.66	17.4	ug/kg	104				81	124	
	Dieldrin	16.66	17.6	ug/kg	106				85	121	
	4,4'-DDE	16.66	18.1	ug/kg	109				81	123	
	Endrin	16.66	17.9	ug/kg	107				76	130	
	Endosulfan II	16.66	17.5	ug/kg	105				80	125	
	4,4'-DDD	16.66	18.0	ug/kg	108				80	131	
	Endosulfan sulfate	16.66	17.2	ug/kg	103				81	122	
	4,4'-DDT	16.66	19.1	ug/kg	115				70	129	
	Methoxychlor	16.66	18.0	ug/kg	108				60	119	
	Endrin ketone	16.66	17.3	ug/kg	104				77	132	
	Endrin aldehyde	16.66	17.9	ug/kg	107				79	124	
	alpha-Chlordane	16.66	16.8	ug/kg	101				84	120	
	gamma-Chlordane	16.66	17.5	ug/kg	105				83	122	
PB170163BS (Column 2)	alpha-BHC	16.66	16.5	ug/kg	99				84	123	
	beta-BHC	16.66	16.5	ug/kg	99				82	123	
	delta-BHC	16.66	16.7	ug/kg	100				83	126	
	gamma-BHC (Lindane)	16.66	16.7	ug/kg	100				83	125	
	Heptachlor	16.66	16.9	ug/kg	101				83	122	
	Aldrin	16.66	16.7	ug/kg	100				82	124	
	Heptachlor epoxide	16.66	16.6	ug/kg	100				83	120	
	Endosulfan I	16.66	16.5	ug/kg	99				81	124	
	Dieldrin	16.66	17.1	ug/kg	103				85	121	
	4,4'-DDE	16.66	16.9	ug/kg	101				81	123	
	Endrin	16.66	16.9	ug/kg	101				76	130	
	Endosulfan II	16.66	17.1	ug/kg	103				80	125	
	4,4'-DDD	16.66	16.9	ug/kg	101				80	131	
	Endosulfan sulfate	16.66	17.2	ug/kg	103				81	122	
	4,4'-DDT	16.66	18.7	ug/kg	112				70	129	
	Methoxychlor	16.66	18.0	ug/kg	108				60	119	
	Endrin ketone	16.66	17.0	ug/kg	102				77	132	
	Endrin aldehyde	16.66	17.5	ug/kg	105				79	124	
	alpha-Chlordane	16.66	16.9	ug/kg	101				84	120	
	gamma-Chlordane	16.66	16.9	ug/kg	101				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170163BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: PB170163BL

Lab File ID: PD090693.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/20/2025

Date Analyzed (1): 10/20/2025

Date Analyzed (2): 10/20/2025

Time Analyzed (1): 13:25

Time Analyzed (2): 13:25

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB170163BS	PB170163BS	PD090694.D	10/20/2025	10/20/2025
TP-5-WCMS	Q3374-05MS	PD090707.D	10/20/2025	10/20/2025
TP-5-WCMSD	Q3374-05MSD	PD090708.D	10/20/2025	10/20/2025
PR132-S02-074099-20251016	Q3375-01	PD090714.D	10/20/2025	10/20/2025
PR132-S04-000013-20251016	Q3375-02	PD090715.D	10/20/2025	10/20/2025
PR132-S05-000057-20251016	Q3375-03	PD090716.D	10/20/2025	10/20/2025
PR132-S02-010074-20251016	Q3375-04	PD090717.D	10/20/2025	10/20/2025
PR132-DP02-20251016	Q3375-05	PD090718.D	10/20/2025	10/20/2025

COMMENTS: _____



SAMPLE DATA



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

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016		SDG No.:	Q3375
Lab Sample ID:	Q3375-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	69.2
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.50	U	1	0.19	2.50	ug/kg	10/20/25 19:50	PB170163
319-85-7	beta-BHC	2.50	U	1	0.26	2.50	ug/kg	10/20/25 19:50	PB170163
319-86-8	delta-BHC	2.50	U	1	0.56	2.50	ug/kg	10/20/25 19:50	PB170163
58-89-9	gamma-BHC (Lindane)	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
76-44-8	Heptachlor	2.50	U	1	0.17	2.50	ug/kg	10/20/25 19:50	PB170163
309-00-2	Aldrin	2.50	U	1	0.17	2.50	ug/kg	10/20/25 19:50	PB170163
1024-57-3	Heptachlor epoxide	2.50	U	1	0.27	2.50	ug/kg	10/20/25 19:50	PB170163
959-98-8	Endosulfan I	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
60-57-1	Dieldrin	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
72-55-9	4,4-DDE	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
72-20-8	Endrin	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
33213-65-9	Endosulfan II	2.50	U	1	0.42	2.50	ug/kg	10/20/25 19:50	PB170163
72-54-8	4,4-DDD	2.50	U	1	0.22	2.50	ug/kg	10/20/25 19:50	PB170163
1031-07-8	Endosulfan Sulfate	2.50	U	1	0.19	2.50	ug/kg	10/20/25 19:50	PB170163
50-29-3	4,4-DDT	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
72-43-5	Methoxychlor	2.50	U	1	0.53	2.50	ug/kg	10/20/25 19:50	PB170163
53494-70-5	Endrin ketone	2.50	U	1	0.27	2.50	ug/kg	10/20/25 19:50	PB170163
7421-93-4	Endrin aldehyde	2.50	U	1	0.53	2.50	ug/kg	10/20/25 19:50	PB170163
5103-71-9	alpha-Chlordane	2.50	U	1	0.17	2.50	ug/kg	10/20/25 19:50	PB170163
5103-74-2	gamma-Chlordane	2.50	U	1	0.22	2.50	ug/kg	10/20/25 19:50	PB170163
8001-35-2	Toxaphene	47.7	U	1	7.80	47.7	ug/kg	10/20/25 19:50	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	10.5			20 - 144	52%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.8			19 - 148	79%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090714.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 19:50
 Operator : AR\AJ
 Sample : Q3375-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S02-074099-20251016

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/21/2025
 Supervised By : mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:55:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.874	48583010	471.0E6	15.601m	15.816
28) SA Decachlor...	9.066	8.061	49044186	279.6E6	10.484	9.229

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090714.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 19:50
Operator : AR\AJ
Sample : Q3375-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

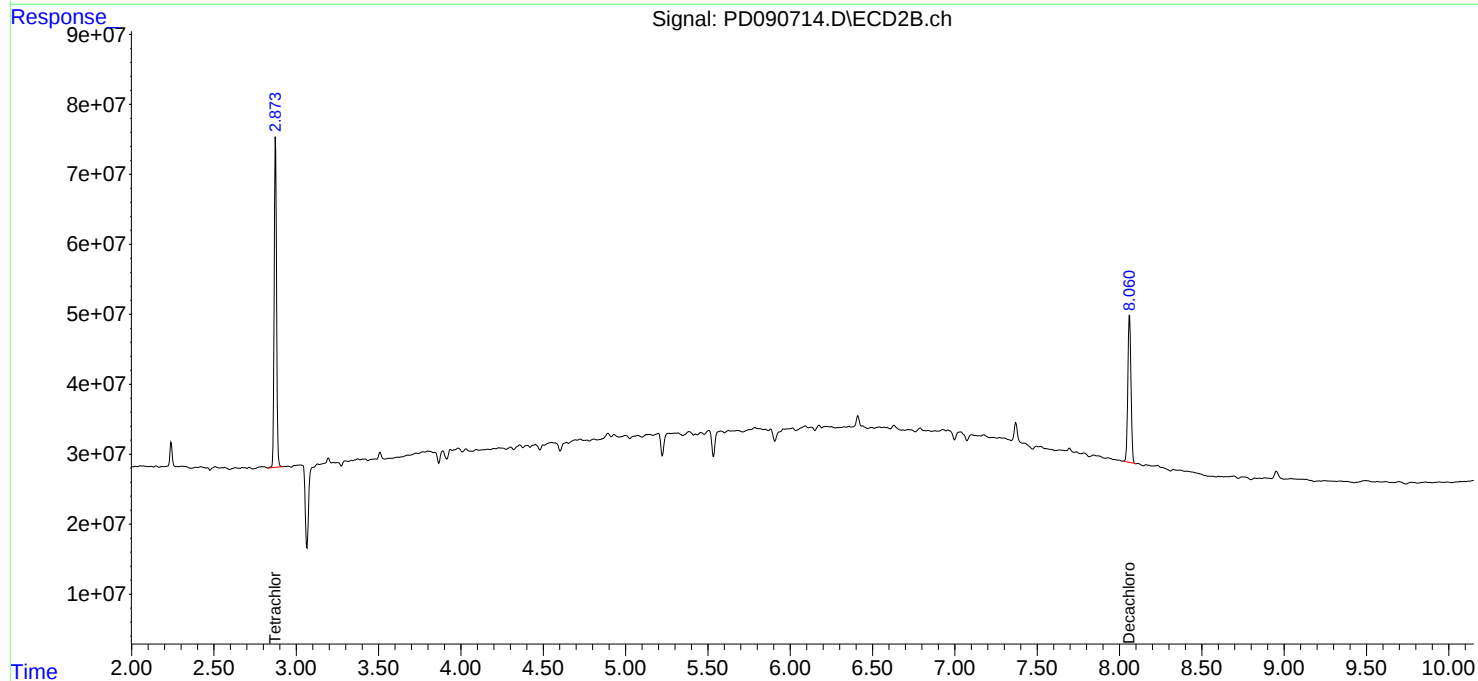
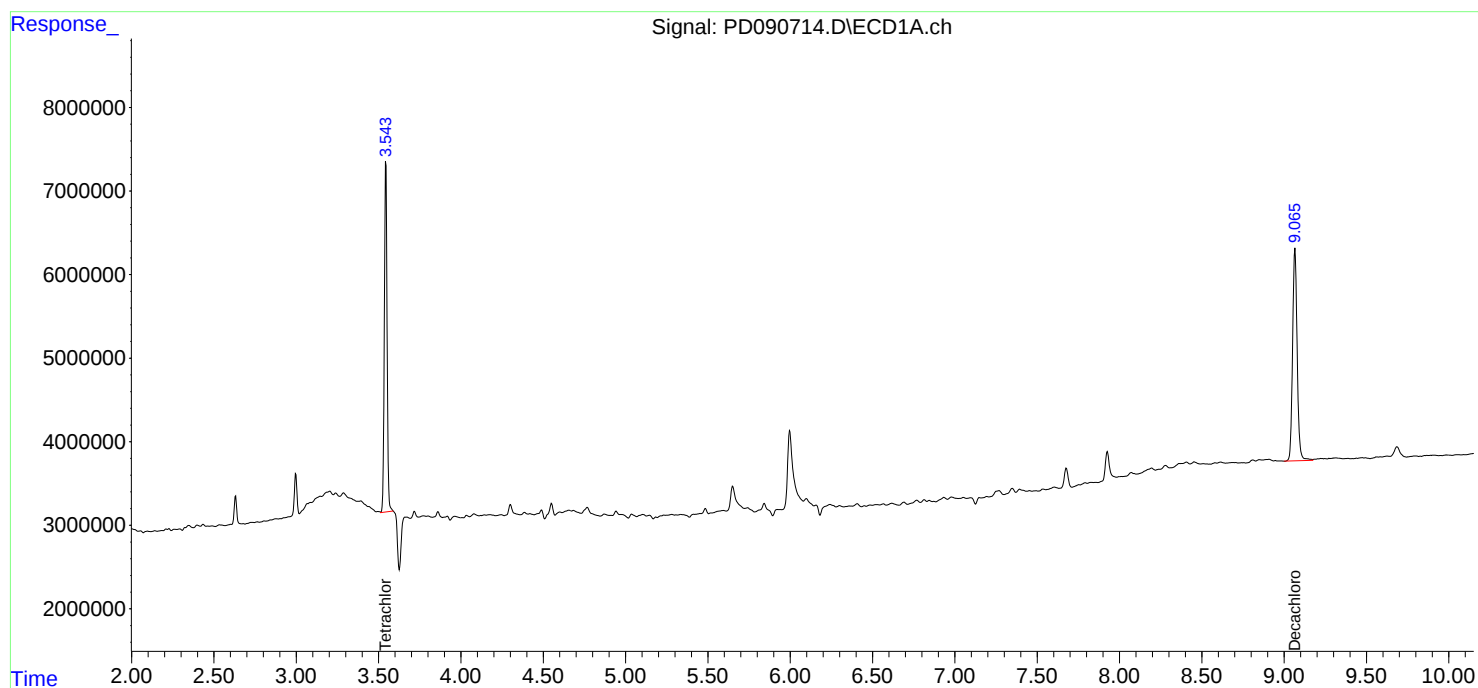
Instrument :
ECD_D
ClientSampleId :
PR132-S02-074099-20251016

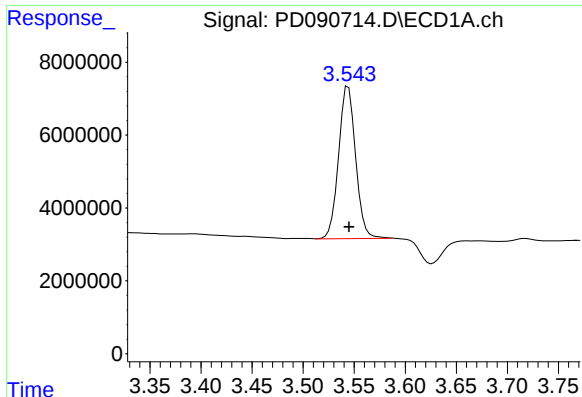
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/21/2025
Supervised By : mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:55:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





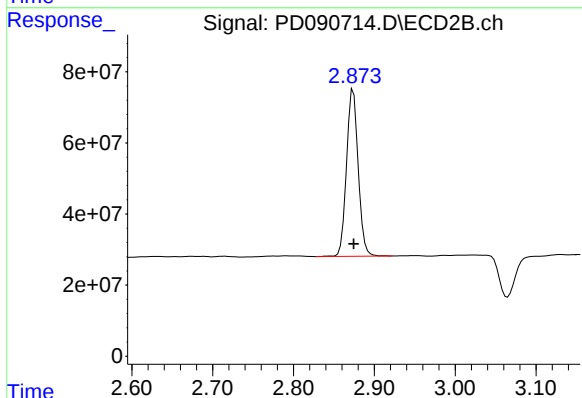
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 48583010
Conc: 15.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S02-074099-20251016

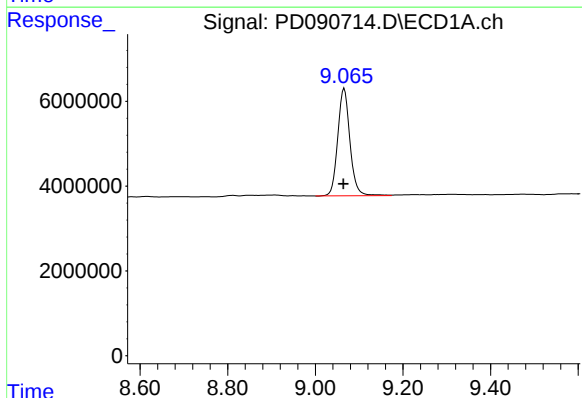
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



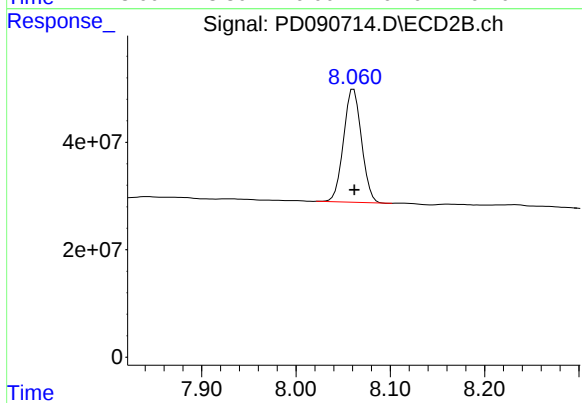
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 470967388
Conc: 15.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 49044186
Conc: 10.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 279553352
Conc: 9.23 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016		SDG No.:	Q3375
Lab Sample ID:	Q3375-02		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	74.7
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.30	U	1	0.17	2.30	ug/kg	10/20/25 20:04	PB170163
319-85-7	beta-BHC	2.30	U	1	0.24	2.30	ug/kg	10/20/25 20:04	PB170163
319-86-8	delta-BHC	2.30	U	1	0.52	2.30	ug/kg	10/20/25 20:04	PB170163
58-89-9	gamma-BHC (Lindane)	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
76-44-8	Heptachlor	2.30	U	1	0.16	2.30	ug/kg	10/20/25 20:04	PB170163
309-00-2	Aldrin	2.30	U	1	0.16	2.30	ug/kg	10/20/25 20:04	PB170163
1024-57-3	Heptachlor epoxide	2.30	U	1	0.25	2.30	ug/kg	10/20/25 20:04	PB170163
959-98-8	Endosulfan I	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
60-57-1	Dieldrin	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
72-55-9	4,4-DDE	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
72-20-8	Endrin	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
33213-65-9	Endosulfan II	2.30	U	1	0.39	2.30	ug/kg	10/20/25 20:04	PB170163
72-54-8	4,4-DDD	2.30	U	1	0.20	2.30	ug/kg	10/20/25 20:04	PB170163
1031-07-8	Endosulfan Sulfate	2.30	U	1	0.17	2.30	ug/kg	10/20/25 20:04	PB170163
50-29-3	4,4-DDT	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
72-43-5	Methoxychlor	2.30	U	1	0.49	2.30	ug/kg	10/20/25 20:04	PB170163
53494-70-5	Endrin ketone	2.30	U	1	0.25	2.30	ug/kg	10/20/25 20:04	PB170163
7421-93-4	Endrin aldehyde	2.30	U	1	0.49	2.30	ug/kg	10/20/25 20:04	PB170163
5103-71-9	alpha-Chlordane	2.30	U	1	0.16	2.30	ug/kg	10/20/25 20:04	PB170163
5103-74-2	gamma-Chlordane	2.30	U	1	0.20	2.30	ug/kg	10/20/25 20:04	PB170163
8001-35-2	Toxaphene	44.1	U	1	7.20	44.1	ug/kg	10/20/25 20:04	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	10.9			20 - 144	55%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.4			19 - 148	87%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090715.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 20:04
 Operator : AR\AJ
 Sample : Q3375-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S04-000013-20251016

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/21/2025
 Supervised By : mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:56:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.874	54090336	517.8E6	17.369m	17.390
2) SA Decachlor...	9.065	8.061	51169531	312.6E6	10.938	10.321

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090715.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 20:04
Operator : AR\AJ
Sample : Q3375-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

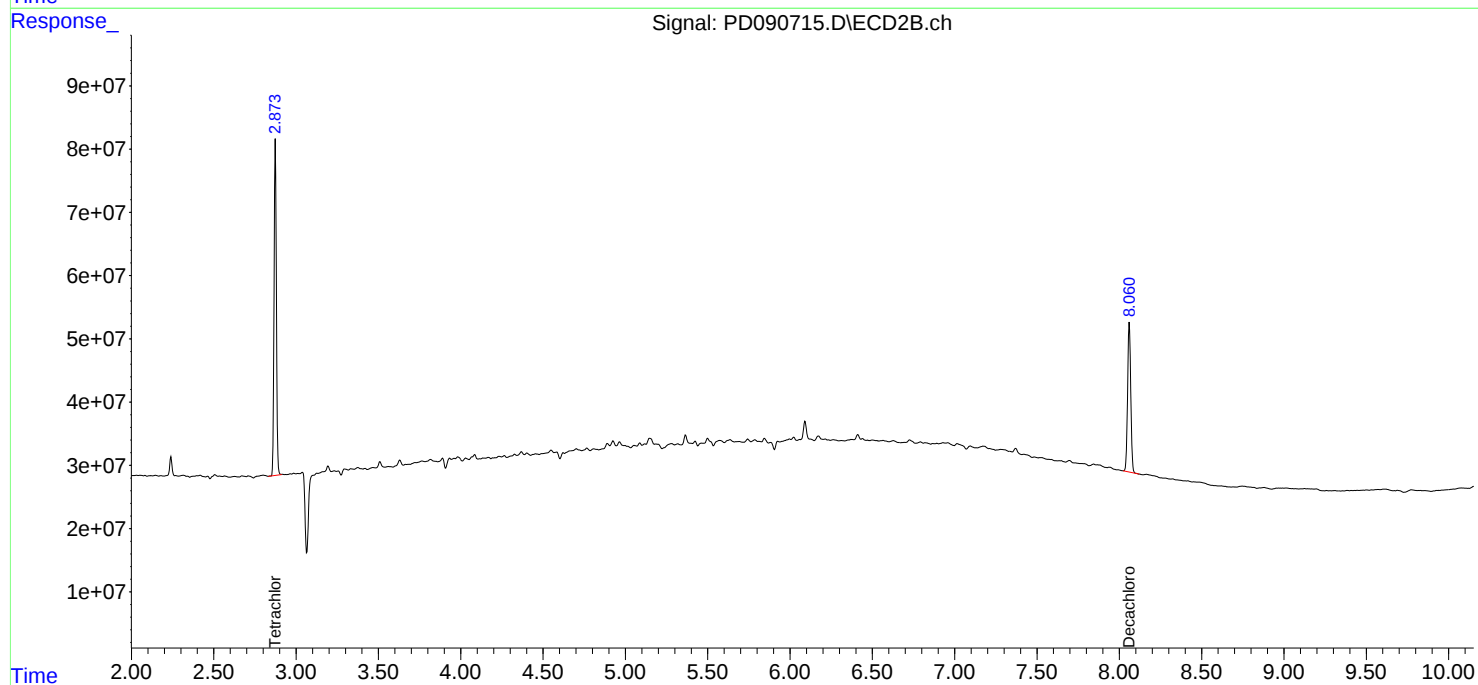
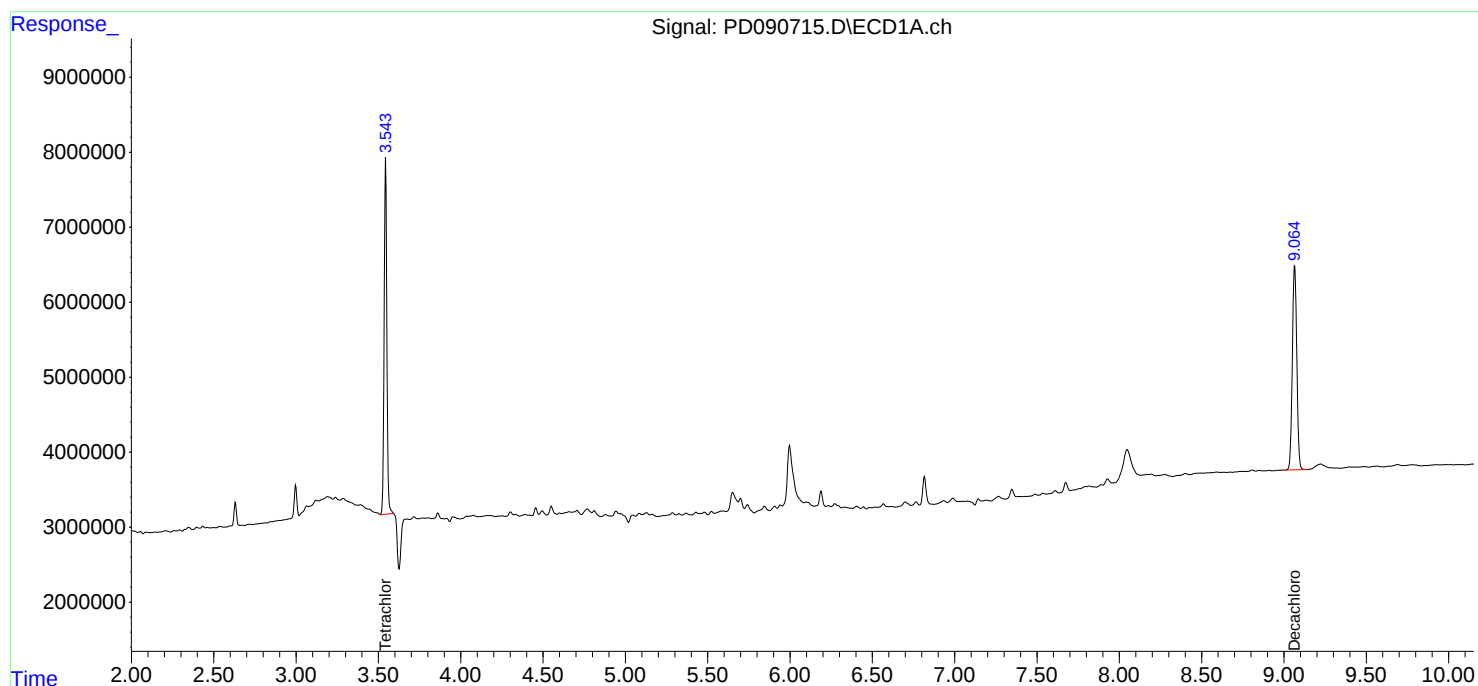
Instrument :
ECD_D
ClientSampleId :
PR132-S04-000013-20251016

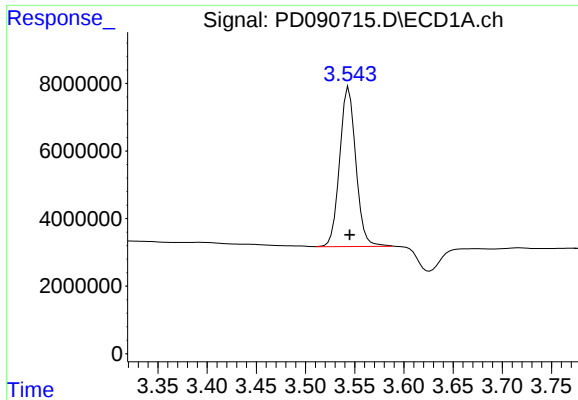
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/21/2025
Supervised By : mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:56:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





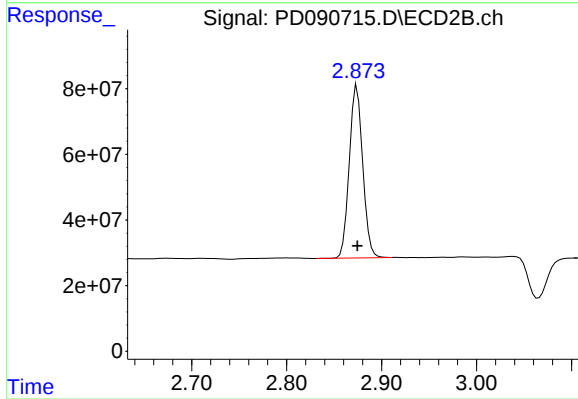
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 54090336
Conc: 17.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S04-000013-20251016

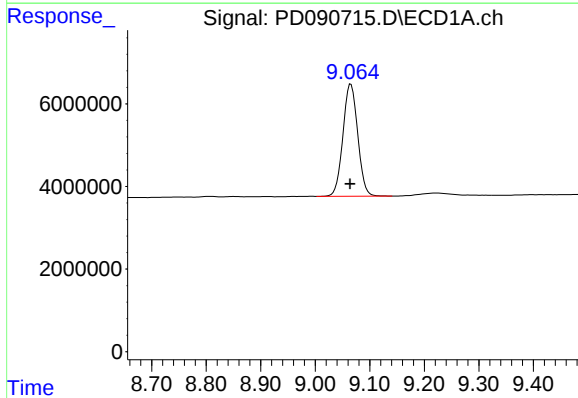
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



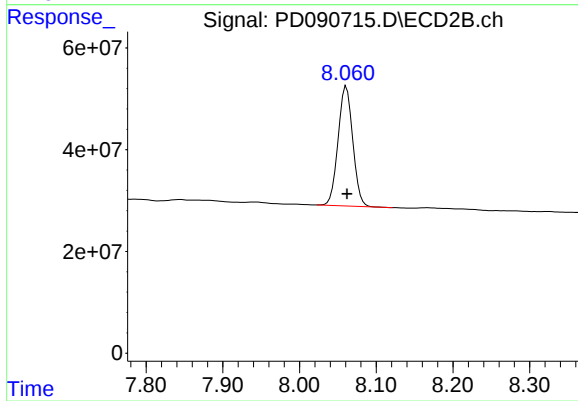
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 517819375
Conc: 17.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.001 min
Response: 51169531
Conc: 10.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 312641128
Conc: 10.32 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016		SDG No.:	Q3375
Lab Sample ID:	Q3375-03		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	66.7
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.50	U	1	0.19	2.50	ug/kg	10/20/25 20:17	PB170163
319-85-7	beta-BHC	2.50	U	1	0.27	2.50	ug/kg	10/20/25 20:17	PB170163
319-86-8	delta-BHC	2.50	U	1	0.58	2.50	ug/kg	10/20/25 20:17	PB170163
58-89-9	gamma-BHC (Lindane)	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
76-44-8	Heptachlor	2.50	U	1	0.18	2.50	ug/kg	10/20/25 20:17	PB170163
309-00-2	Aldrin	2.50	U	1	0.18	2.50	ug/kg	10/20/25 20:17	PB170163
1024-57-3	Heptachlor epoxide	2.50	U	1	0.28	2.50	ug/kg	10/20/25 20:17	PB170163
959-98-8	Endosulfan I	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
60-57-1	Dieldrin	0.77	JP	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
72-55-9	4,4-DDE	1.60	J	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
72-20-8	Endrin	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
33213-65-9	Endosulfan II	2.50	U	1	0.43	2.50	ug/kg	10/20/25 20:17	PB170163
72-54-8	4,4-DDD	0.88	J	1	0.22	2.50	ug/kg	10/20/25 20:17	PB170163
1031-07-8	Endosulfan Sulfate	2.50	U	1	0.19	2.50	ug/kg	10/20/25 20:17	PB170163
50-29-3	4,4-DDT	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
72-43-5	Methoxychlor	2.50	U	1	0.55	2.50	ug/kg	10/20/25 20:17	PB170163
53494-70-5	Endrin ketone	2.50	U	1	0.28	2.50	ug/kg	10/20/25 20:17	PB170163
7421-93-4	Endrin aldehyde	2.50	U	1	0.55	2.50	ug/kg	10/20/25 20:17	PB170163
5103-71-9	alpha-Chlordane	0.30	J	1	0.18	2.50	ug/kg	10/20/25 20:17	PB170163
5103-74-2	gamma-Chlordane	0.37	J	1	0.22	2.50	ug/kg	10/20/25 20:17	PB170163
8001-35-2	Toxaphene	49.3	U	1	8.10	49.3	ug/kg	10/20/25 20:17	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	11.7			20 - 144	59%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.2			19 - 148	71%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090716.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 20:17
 Operator : AR\AJ
 Sample : Q3375-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S05-000057-20251016

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:56:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.874	44148912	404.0E6	14.177m	13.566
28) SA Decachlor...	9.066	8.061	54819988	316.3E6	11.719	10.443
Target Compounds						
10) B gamma-Chl...	5.938	5.115	4095124	33518670	0.690m	0.746m
11) B alpha-Chl...	6.011	5.184	3769214	14671844	0.610m	0.340m#
12) B 4,4'-DDE	6.190	5.365	17540552	96434043	3.293	2.200 #
13) MA Dieldrin	6.341	5.500	3606112	68472307	0.618m	1.550m#
16) A 4,4'-DDD	6.701	5.921	7159151	44487595	1.766m	1.221m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090716.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 20:17
Operator : AR\AJ
Sample : Q3375-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

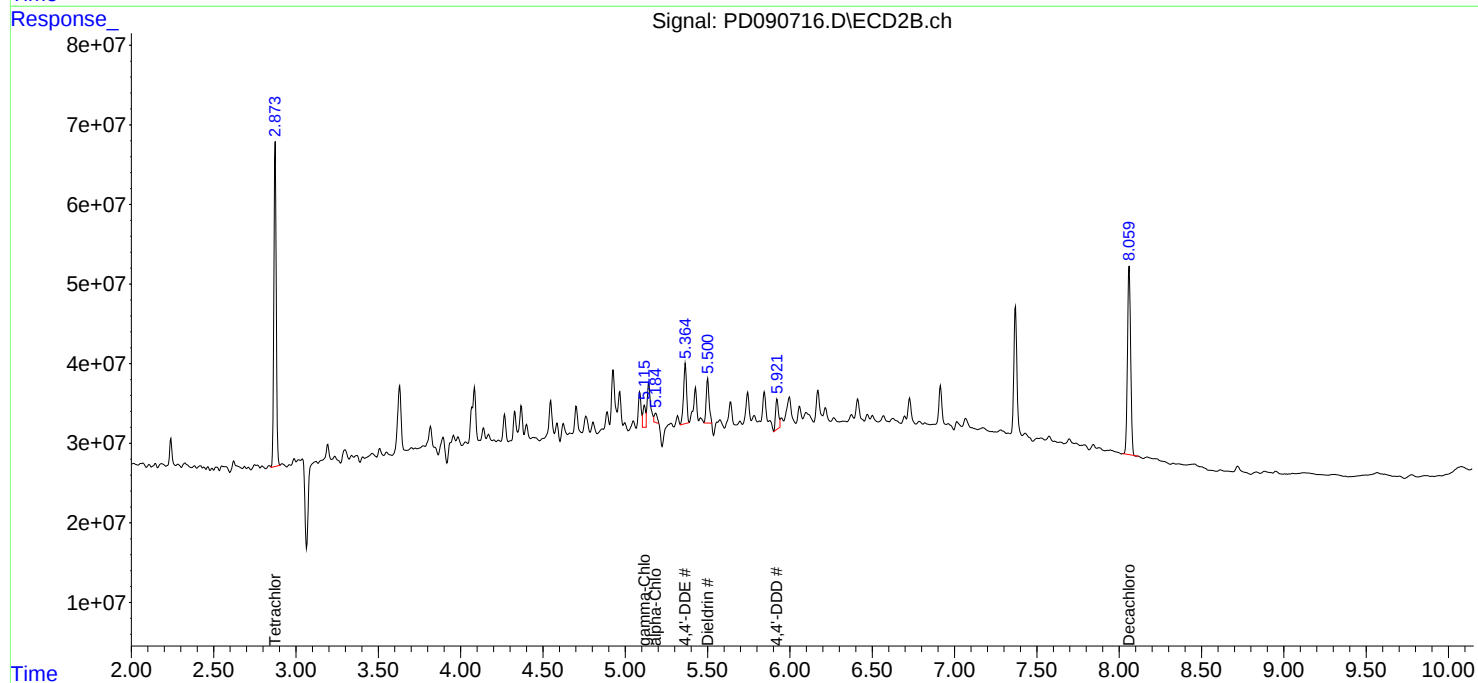
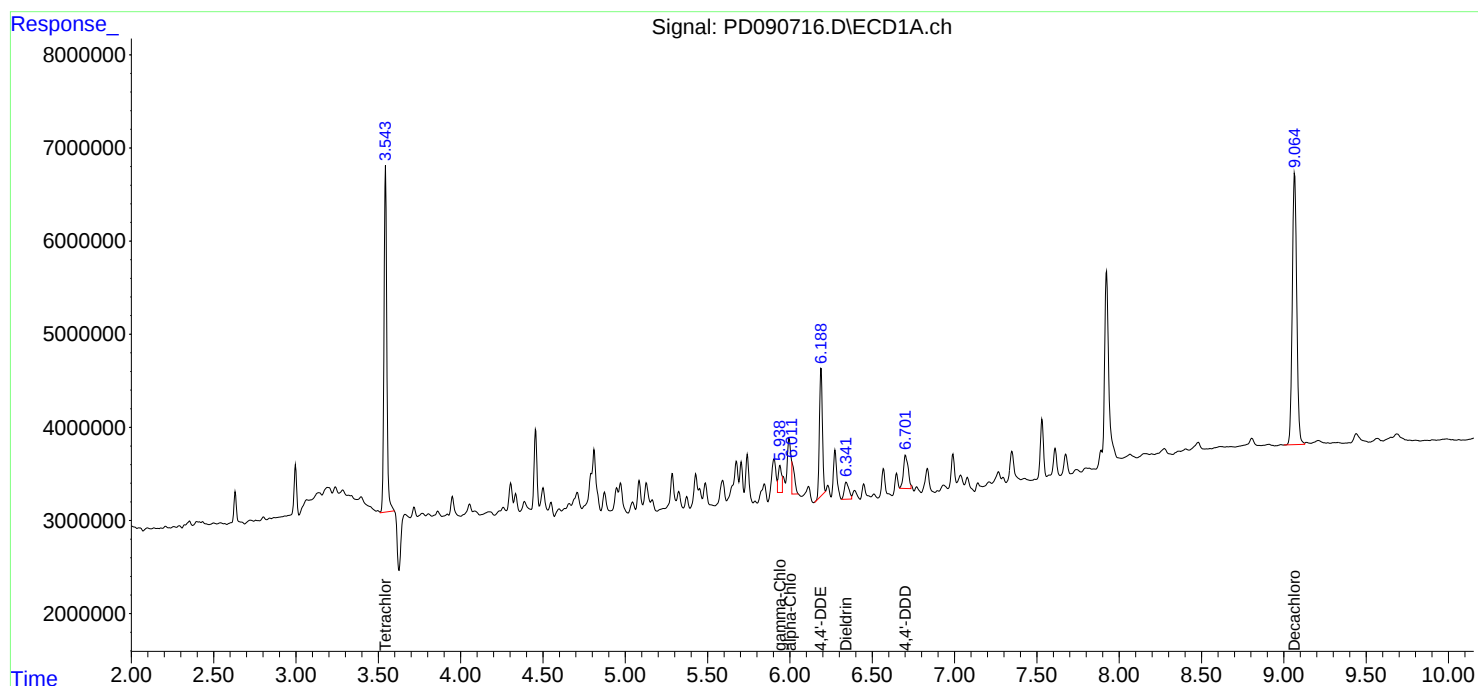
Instrument :
ECD_D
ClientSampleId :
PR132-S05-000057-20251016

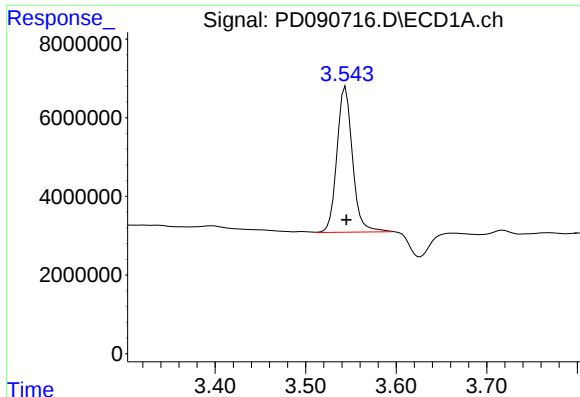
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:56:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





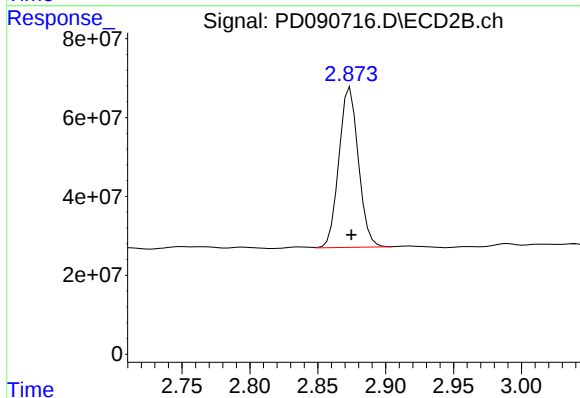
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 44148912
Conc: 14.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S05-000057-20251016

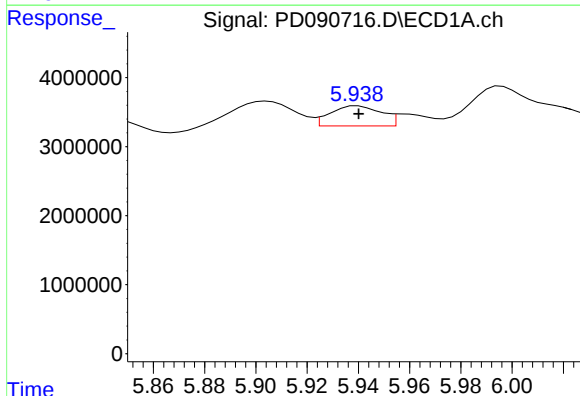
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



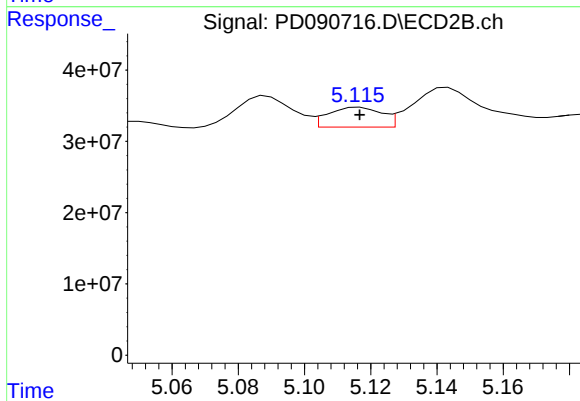
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 403959544
Conc: 13.57 ng/ml



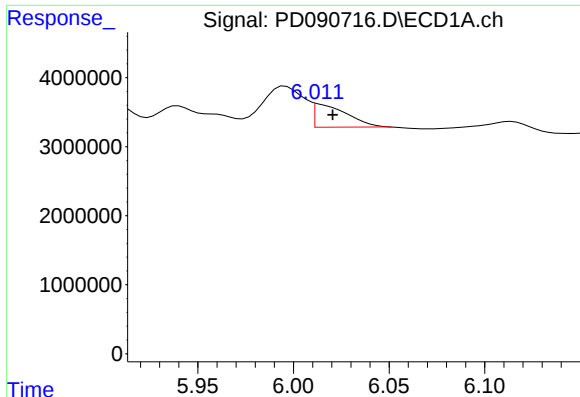
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 4095124
Conc: 0.69 ng/ml m



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.001 min
Response: 33518670
Conc: 0.75 ng/ml m



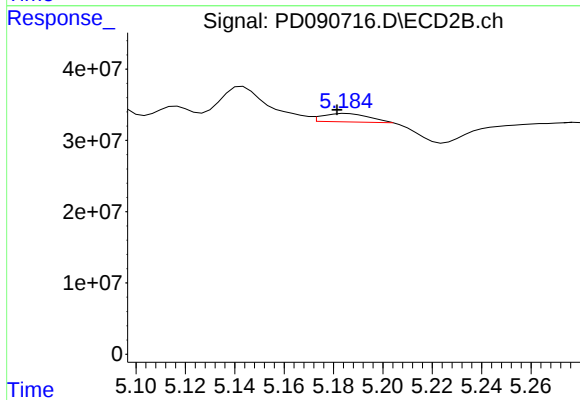
#11 alpha-Chlordane

R.T.: 6.011 min
Delta R.T.: -0.009 min
Response: 3769214
Conc: 0.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S05-000057-20251016

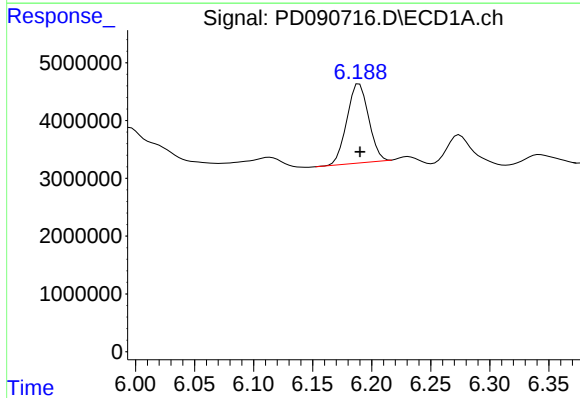
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



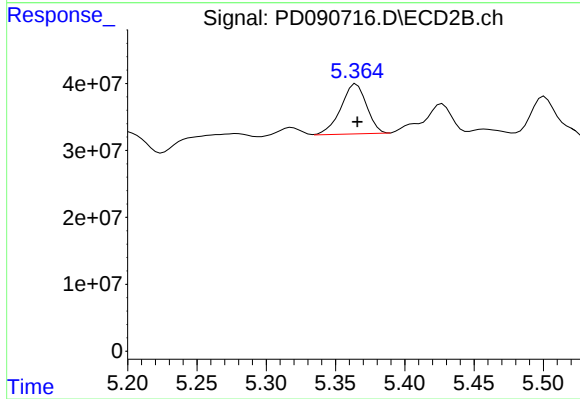
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.003 min
Response: 14671844
Conc: 0.34 ng/ml m



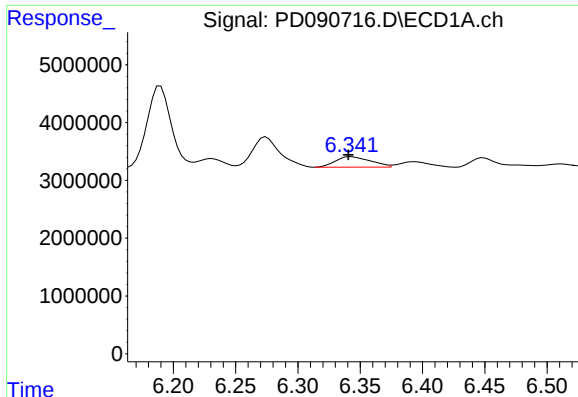
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 17540552
Conc: 3.29 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 96434043
Conc: 2.20 ng/ml



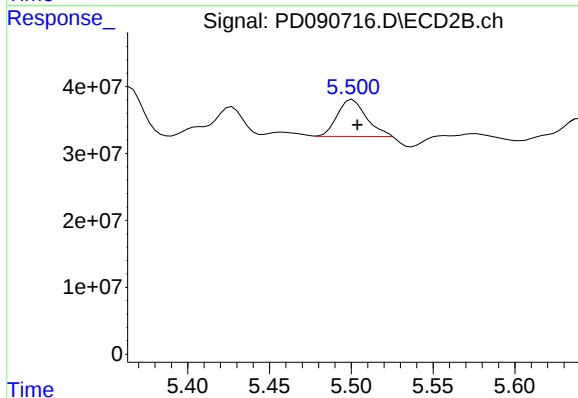
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 3606112
Conc: 0.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S05-000057-20251016

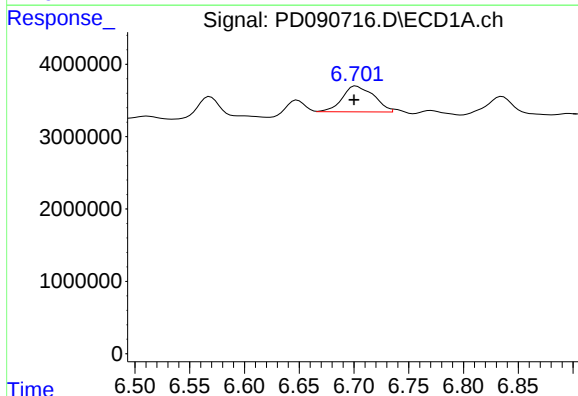
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



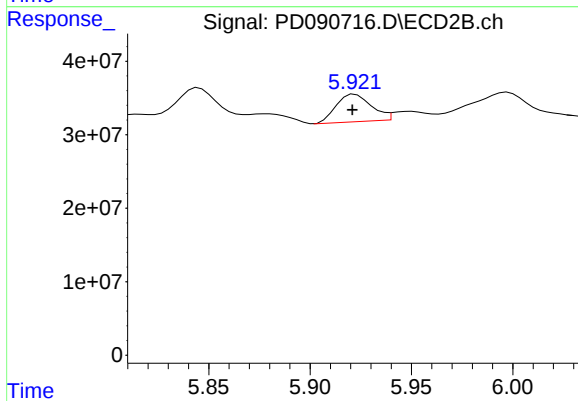
#13 Dieldrin

R.T.: 5.500 min
Delta R.T.: -0.004 min
Response: 68472307
Conc: 1.55 ng/ml m



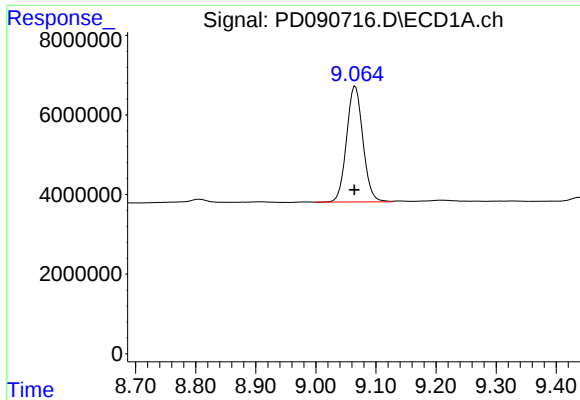
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 7159151
Conc: 1.77 ng/ml m



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 44487595
Conc: 1.22 ng/ml m



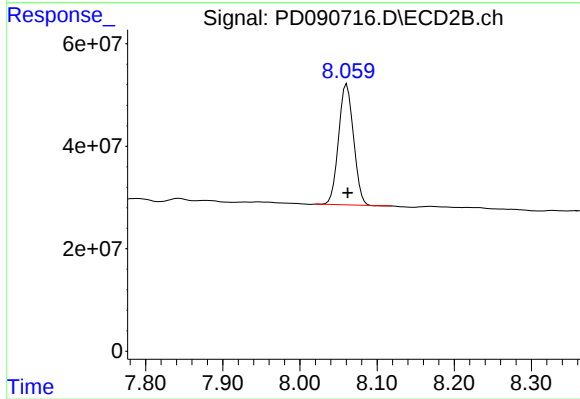
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 54819988
Conc: 11.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S05-000057-20251016

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 316333262
Conc: 10.44 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016		SDG No.:	Q3375
Lab Sample ID:	Q3375-04		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	55.3
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.10	U	1	0.23	3.10	ug/kg	10/20/25 20:31	PB170163
319-85-7	beta-BHC	3.10	U	1	0.33	3.10	ug/kg	10/20/25 20:31	PB170163
319-86-8	delta-BHC	3.10	U	1	0.70	3.10	ug/kg	10/20/25 20:31	PB170163
58-89-9	gamma-BHC (Lindane)	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
76-44-8	Heptachlor	3.10	U	1	0.22	3.10	ug/kg	10/20/25 20:31	PB170163
309-00-2	Aldrin	3.10	U	1	0.22	3.10	ug/kg	10/20/25 20:31	PB170163
1024-57-3	Heptachlor epoxide	3.10	U	1	0.34	3.10	ug/kg	10/20/25 20:31	PB170163
959-98-8	Endosulfan I	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
60-57-1	Dieldrin	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
72-55-9	4,4-DDE	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
72-20-8	Endrin	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
33213-65-9	Endosulfan II	3.10	U	1	0.52	3.10	ug/kg	10/20/25 20:31	PB170163
72-54-8	4,4-DDD	3.10	U	1	0.27	3.10	ug/kg	10/20/25 20:31	PB170163
1031-07-8	Endosulfan Sulfate	3.10	U	1	0.23	3.10	ug/kg	10/20/25 20:31	PB170163
50-29-3	4,4-DDT	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
72-43-5	Methoxychlor	3.10	U	1	0.67	3.10	ug/kg	10/20/25 20:31	PB170163
53494-70-5	Endrin ketone	3.10	U	1	0.34	3.10	ug/kg	10/20/25 20:31	PB170163
7421-93-4	Endrin aldehyde	3.10	U	1	0.67	3.10	ug/kg	10/20/25 20:31	PB170163
5103-71-9	alpha-Chlordane	3.10	U	1	0.22	3.10	ug/kg	10/20/25 20:31	PB170163
5103-74-2	gamma-Chlordane	3.10	U	1	0.27	3.10	ug/kg	10/20/25 20:31	PB170163
8001-35-2	Toxaphene	59.6	U	1	9.80	59.6	ug/kg	10/20/25 20:31	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.0			20 - 144	65%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.1			19 - 148	80%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090717.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 20:31
Operator : AR\AJ
Sample : Q3375-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PR132-S02-010074-20251016

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:56:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.874	50025813	477.0E6	16.064m	16.020
28)	SA Decachlor...	9.065	8.061	60684064	350.3E6	12.972	11.564

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090717.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 20:31
Operator : AR\AJ
Sample : Q3375-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

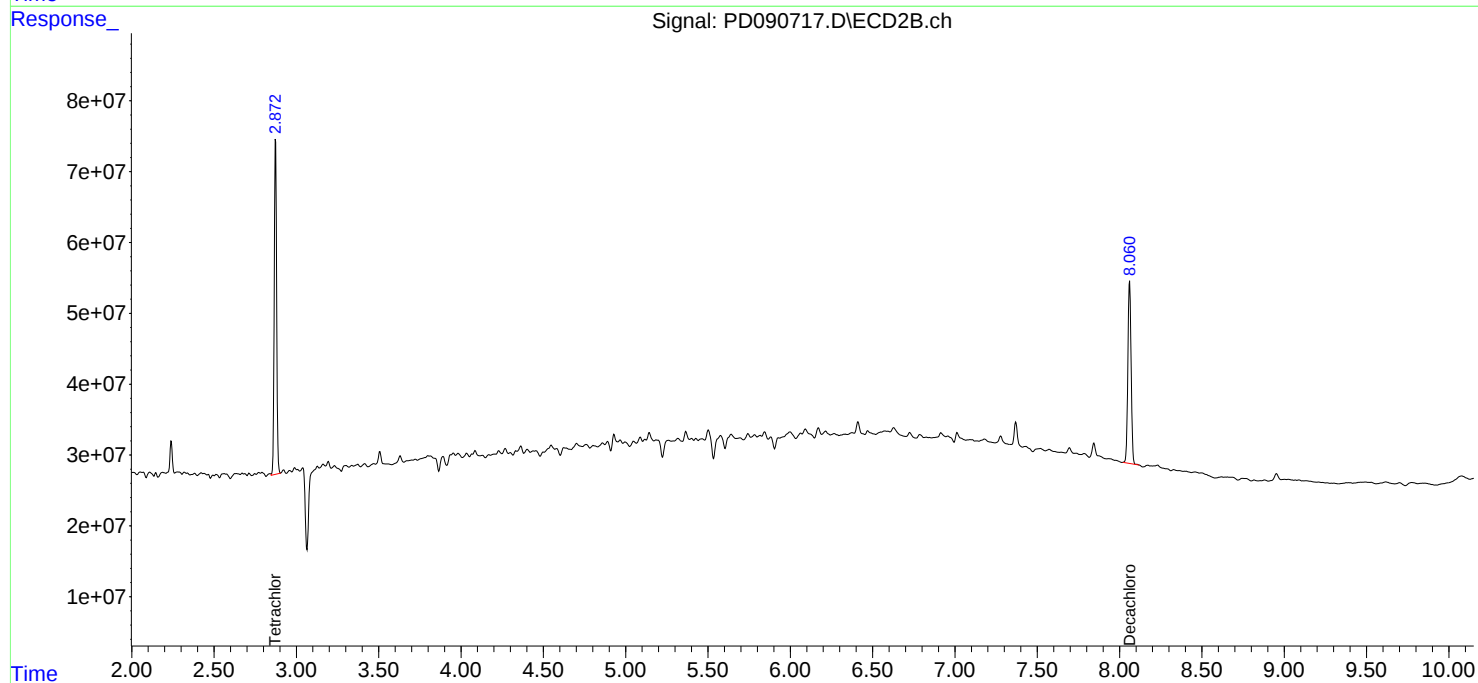
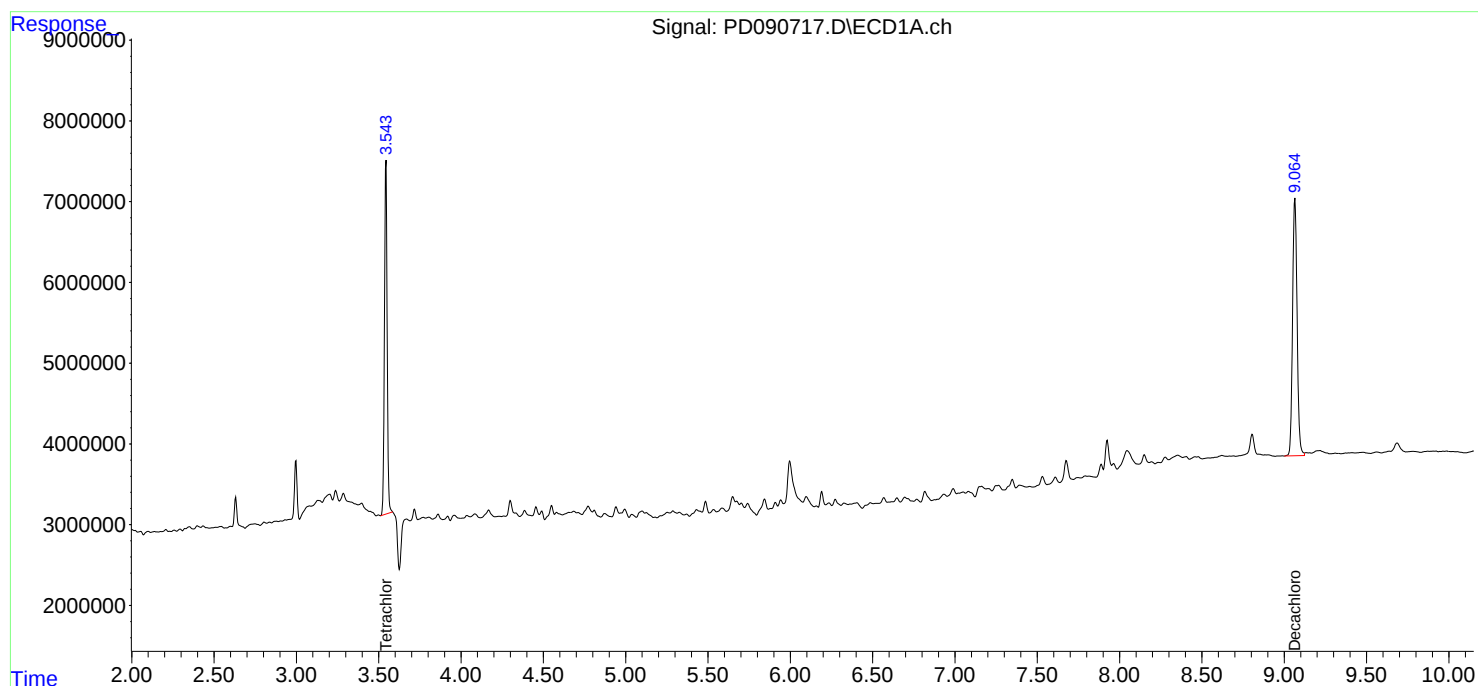
Instrument :
ECD_D
ClientSampleId :
PR132-S02-010074-20251016

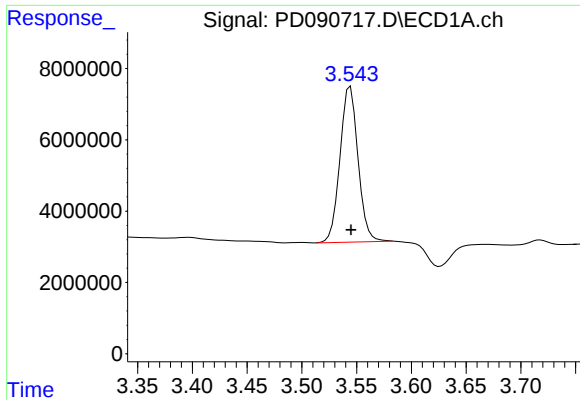
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:56:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





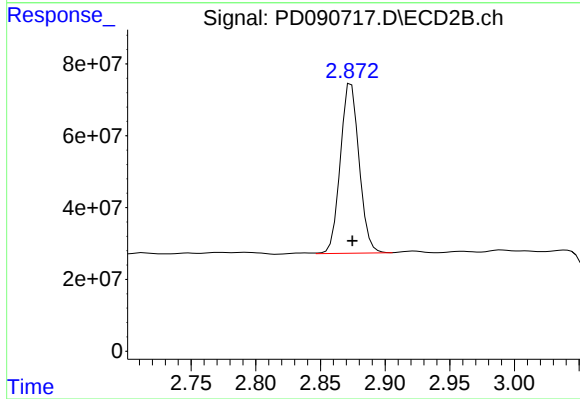
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 50025813
Conc: 16.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S02-010074-20251016

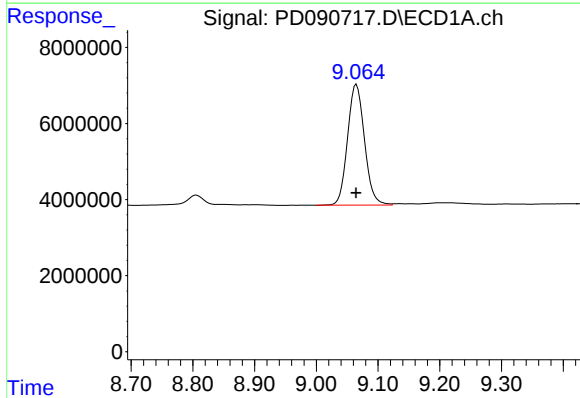
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



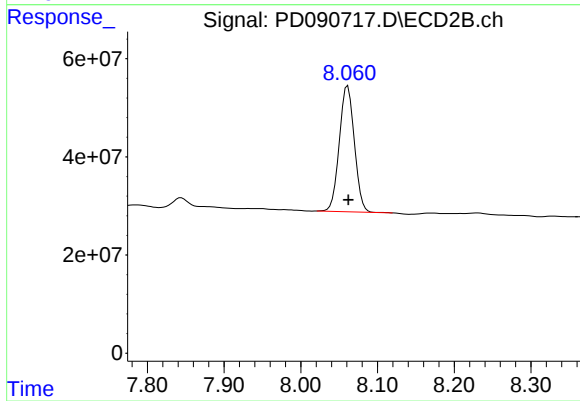
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 477040595
Conc: 16.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 60684064
Conc: 12.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 350298836
Conc: 11.56 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-DP02-20251016		SDG No.:	Q3375
Lab Sample ID:	Q3375-05		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	66.7
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.50	U	1	0.19	2.50	ug/kg	10/20/25 20:44	PB170163
319-85-7	beta-BHC	2.50	U	1	0.27	2.50	ug/kg	10/20/25 20:44	PB170163
319-86-8	delta-BHC	2.50	U	1	0.58	2.50	ug/kg	10/20/25 20:44	PB170163
58-89-9	gamma-BHC (Lindane)	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
76-44-8	Heptachlor	2.50	U	1	0.18	2.50	ug/kg	10/20/25 20:44	PB170163
309-00-2	Aldrin	2.50	U	1	0.18	2.50	ug/kg	10/20/25 20:44	PB170163
1024-57-3	Heptachlor epoxide	2.50	U	1	0.28	2.50	ug/kg	10/20/25 20:44	PB170163
959-98-8	Endosulfan I	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
60-57-1	Dieldrin	1.10	JP	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
72-55-9	4,4-DDE	2.70	P	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
72-20-8	Endrin	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
33213-65-9	Endosulfan II	2.50	U	1	0.43	2.50	ug/kg	10/20/25 20:44	PB170163
72-54-8	4,4-DDD	3.50		1	0.22	2.50	ug/kg	10/20/25 20:44	PB170163
1031-07-8	Endosulfan Sulfate	2.50	U	1	0.19	2.50	ug/kg	10/20/25 20:44	PB170163
50-29-3	4,4-DDT	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
72-43-5	Methoxychlor	2.50	U	1	0.55	2.50	ug/kg	10/20/25 20:44	PB170163
53494-70-5	Endrin ketone	2.50	U	1	0.28	2.50	ug/kg	10/20/25 20:44	PB170163
7421-93-4	Endrin aldehyde	2.50	U	1	0.55	2.50	ug/kg	10/20/25 20:44	PB170163
5103-71-9	alpha-Chlordane	0.57	JP	1	0.18	2.50	ug/kg	10/20/25 20:44	PB170163
5103-74-2	gamma-Chlordane	0.77	J	1	0.22	2.50	ug/kg	10/20/25 20:44	PB170163
8001-35-2	Toxaphene	49.4	U	1	8.10	49.4	ug/kg	10/20/25 20:44	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.1			20 - 144	65%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.3			19 - 148	76%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090718.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 20:44
 Operator : AR\AJ
 Sample : Q3375-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-DP02-20251016

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:57:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.874	47607682	445.5E6	15.287m	14.960
28)	SA Decachlor...	9.065	8.061	61152324	343.8E6	13.072	11.351
Target Compounds							
10)	B gamma-Chl...	5.938	5.115	9188191	63877439	1.549m	1.421m
11)	B alpha-Chl...	6.019	5.181	7108487	32507230	1.150	0.754m#
12)	B 4,4'-DDE	6.190	5.365	28608924	157.2E6	5.371	3.585 #
13)	MA Dieldrin	6.342	5.499	4553726	97297628	0.781m	2.202m#
16)	A 4,4'-DDD	6.699	5.919	28774697	226.9E6	7.097m	6.226m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090718.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 20:44
Operator : AR\AJ
Sample : Q3375-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

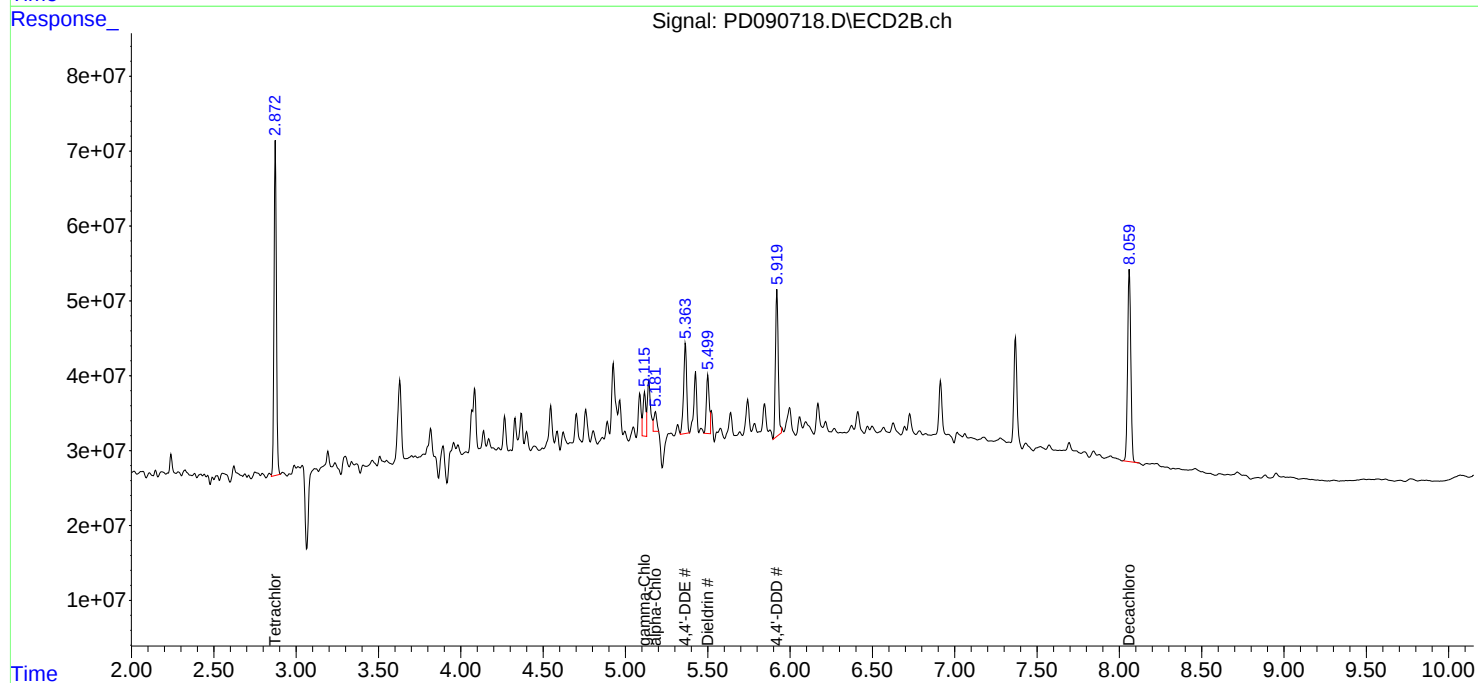
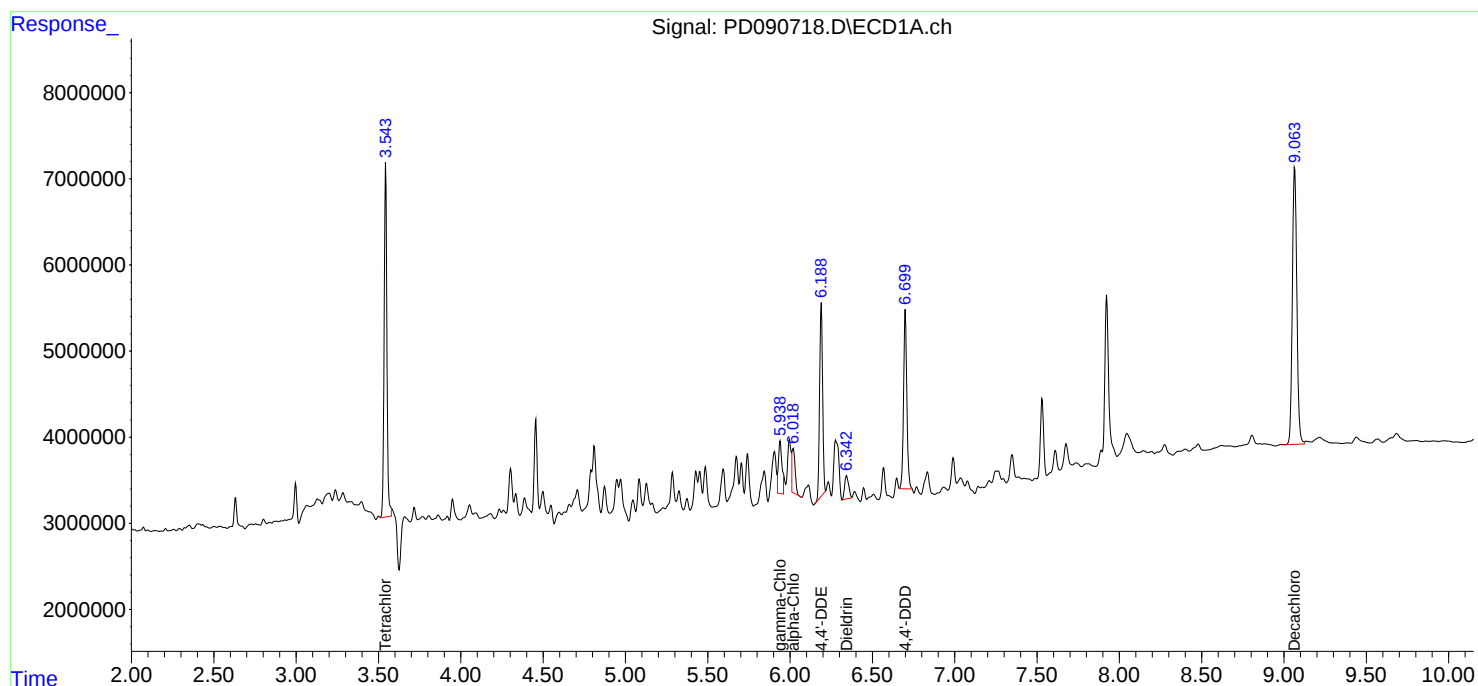
Instrument :
ECD_D
ClientSampleId :
PR132-DP02-20251016

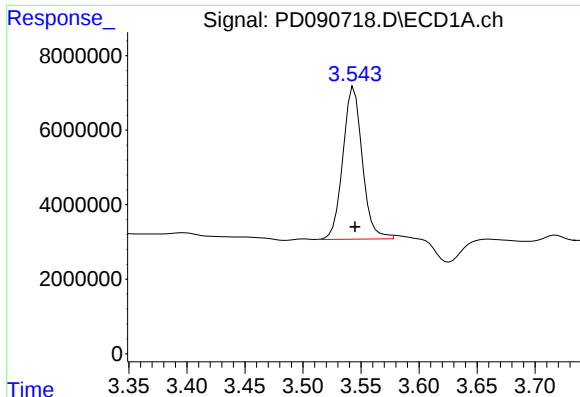
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:57:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





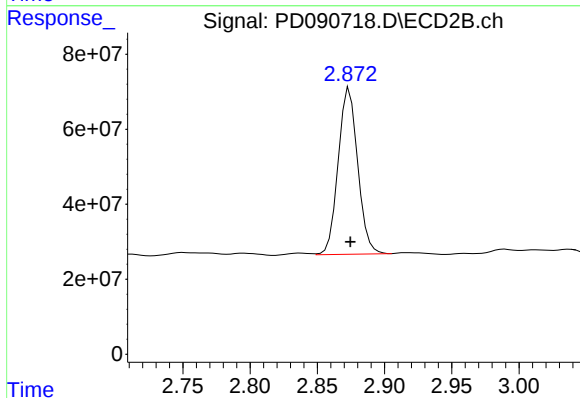
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 47607682
Conc: 15.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-DP02-20251016

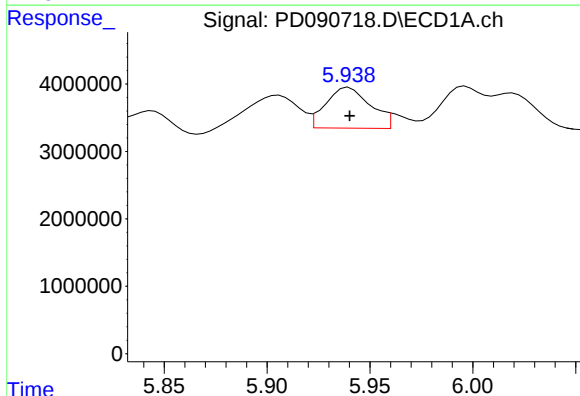
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



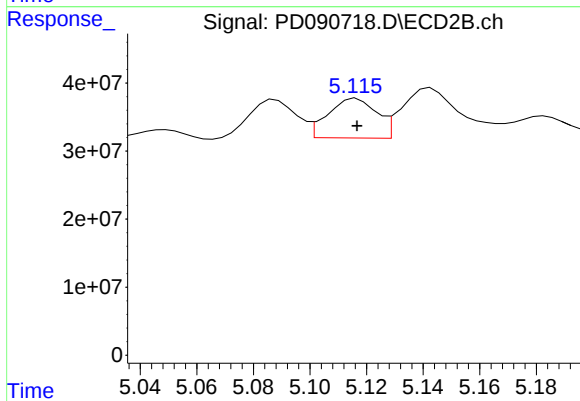
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 445464282
Conc: 14.96 ng/ml



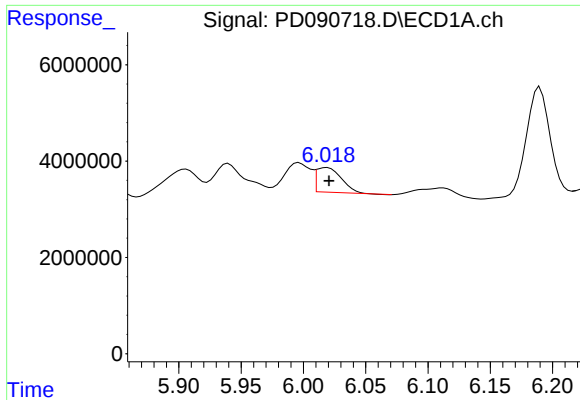
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 9188191
Conc: 1.55 ng/ml m



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 63877439
Conc: 1.42 ng/ml m



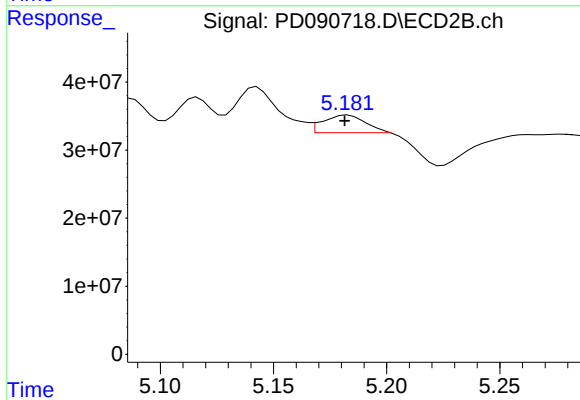
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 7108487
Conc: 1.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-DP02-20251016

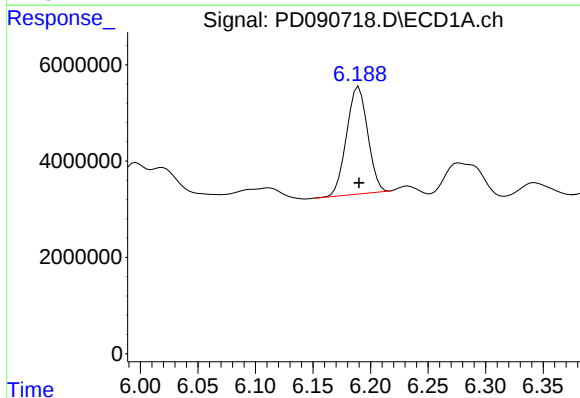
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/24/2025



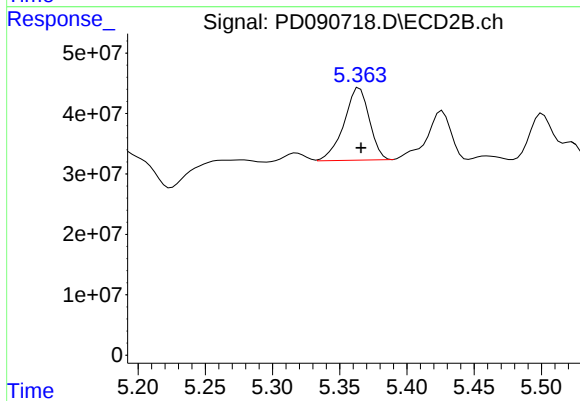
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 32507230
Conc: 0.75 ng/ml m



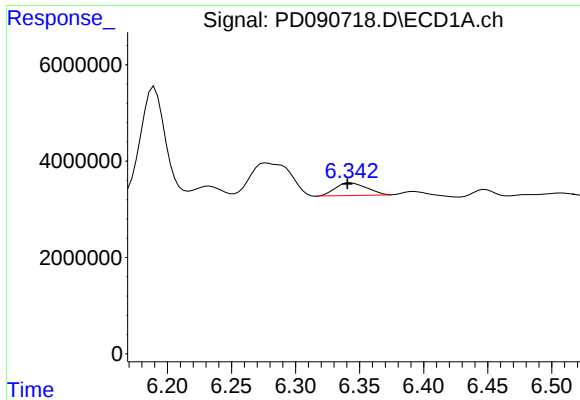
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 28608924
Conc: 5.37 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.001 min
Response: 157169048
Conc: 3.59 ng/ml



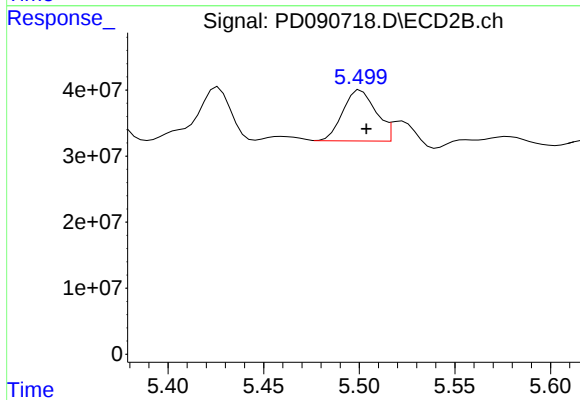
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.001 min
Response: 4553726
Conc: 0.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-DP02-20251016

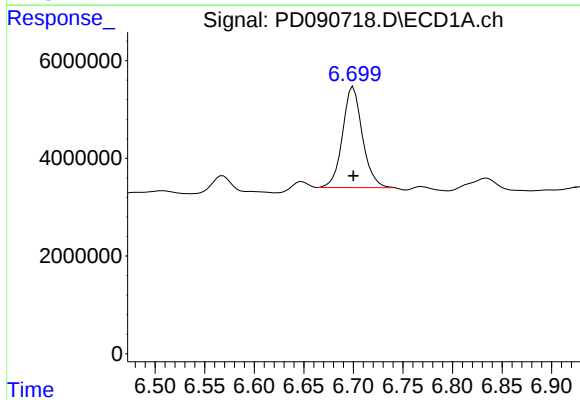
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



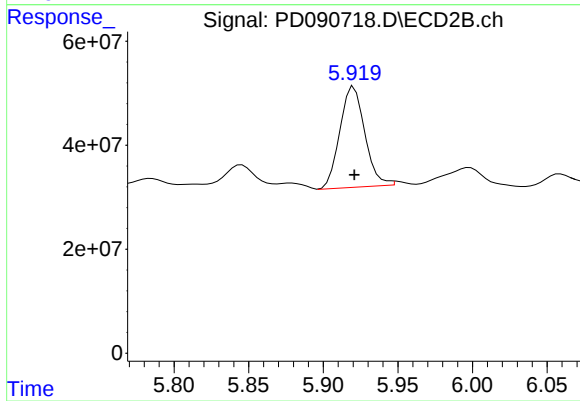
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: -0.004 min
Response: 97297628
Conc: 2.20 ng/ml m



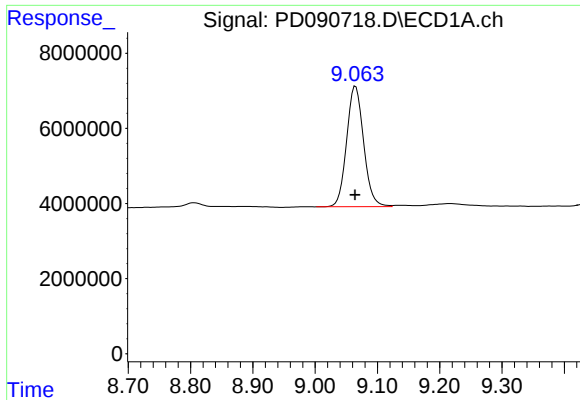
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 28774697
Conc: 7.10 ng/ml m



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 226863001
Conc: 6.23 ng/ml m



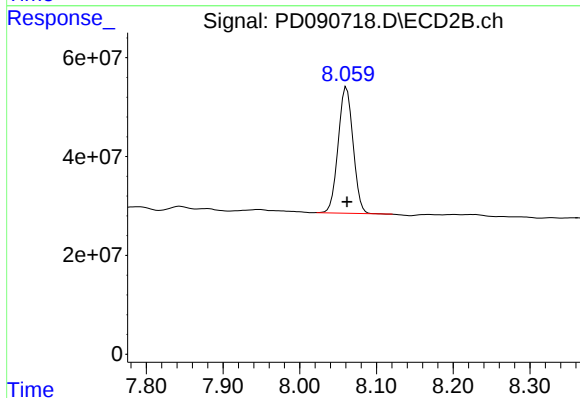
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 61152324
Conc: 13.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-DP02-20251016

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 343824975
Conc: 11.35 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3375</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

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

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3375</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

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

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



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: AECO02
SDG NO.: Q3375

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

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

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



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3375

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

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

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



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	32564400
		2	6.44	6.34	6.54	48621800
		3	7.14	7.04	7.24	85710600
		4	7.56	7.46	7.66	95737400
		5	7.92	7.82	8.02	60480500



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.47	5.37	5.57	263702000
		2	5.64	5.54	5.74	176560000
		3	6.75	6.65	6.85	658883000
		4	7.19	7.09	7.29	495104000
		5	7.32	7.22	7.42	246033000

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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC100

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

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

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

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

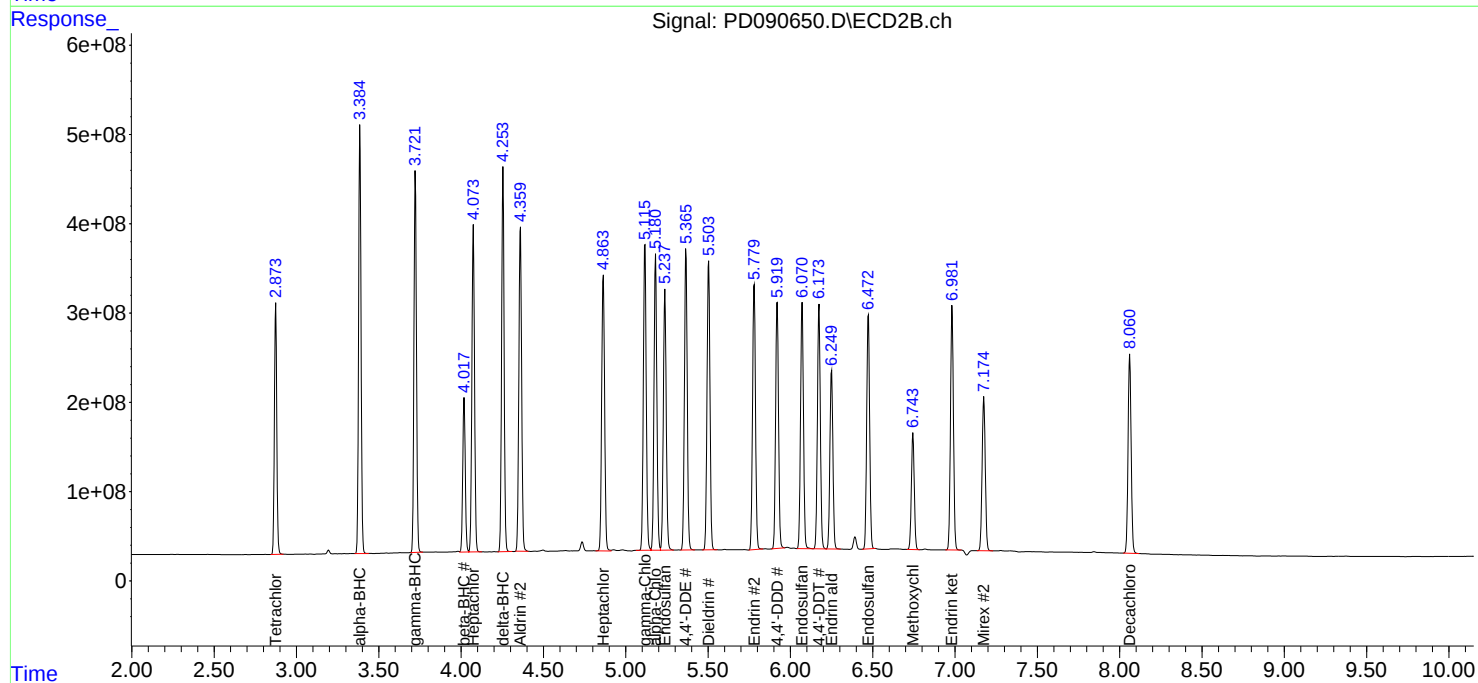
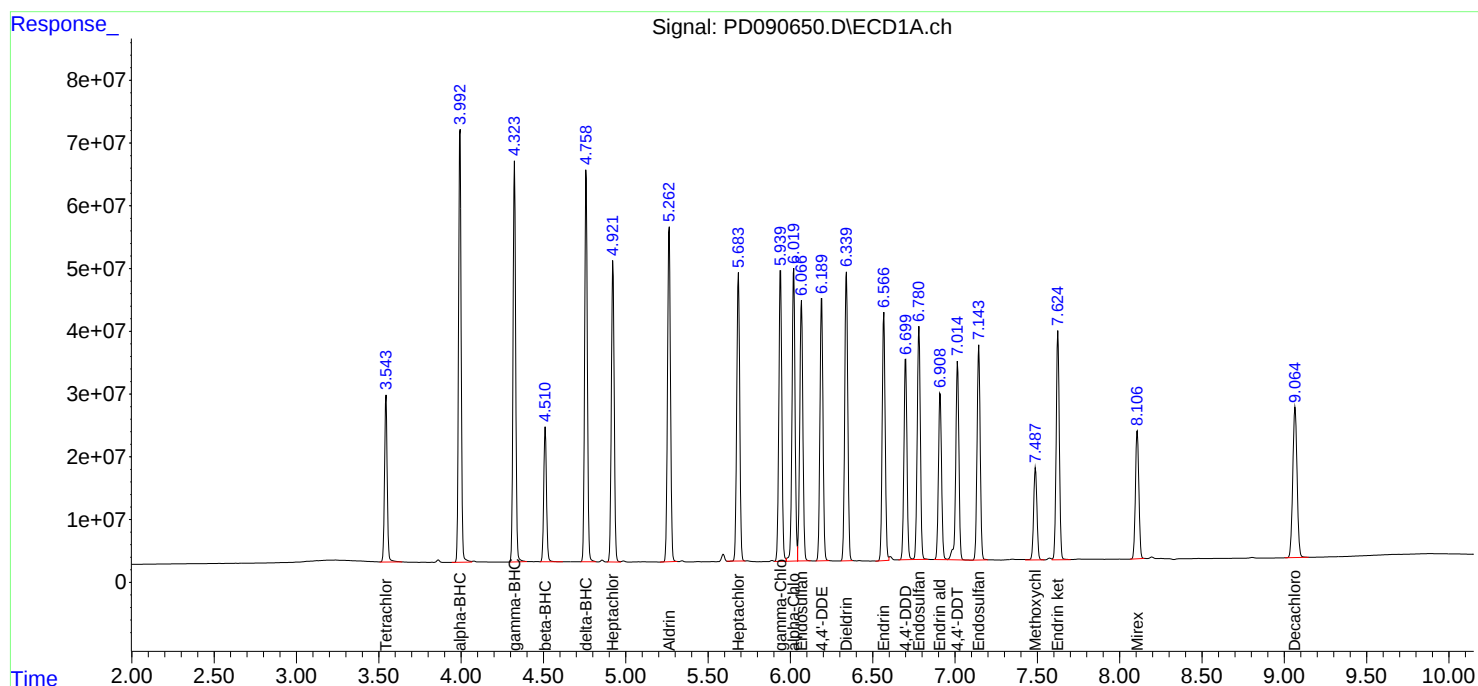
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

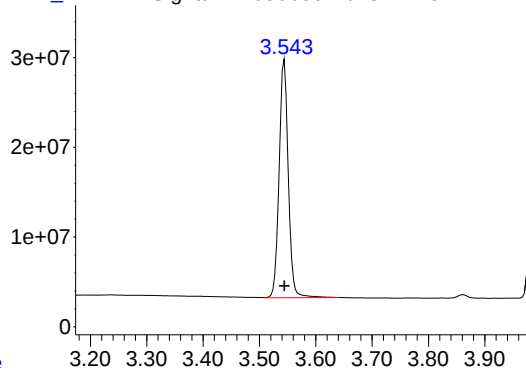
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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

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



Response_ Signal: PD090650.D\ECD1A.ch

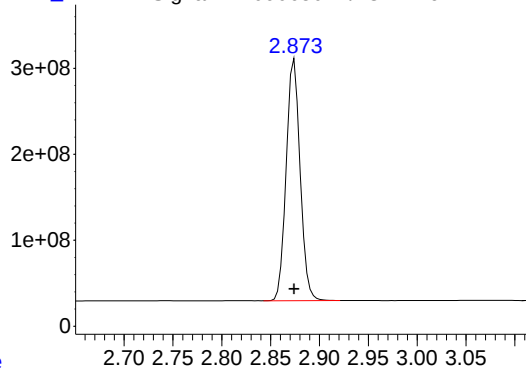


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

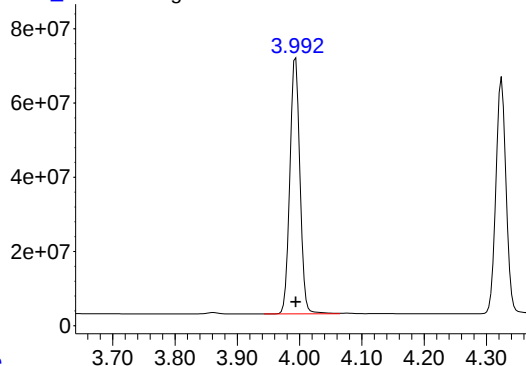
Time Response_ Signal: PD090650.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

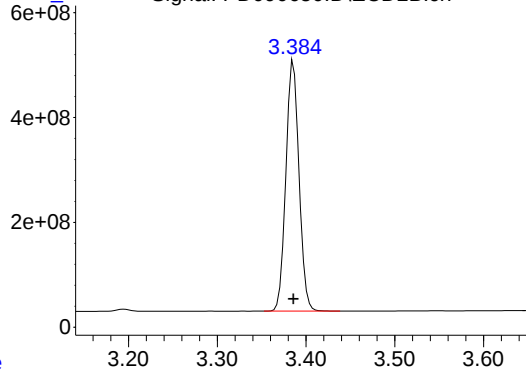
Time Response_ Signal: PD090650.D\ECD1A.ch



#2 alpha-BHC

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

Time Response_ Signal: PD090650.D\ECD2B.ch



#2 alpha-BHC

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

Response

Signal: PD090650.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.324 min

Delta R.T.: 0.000 min

Response: 718588040

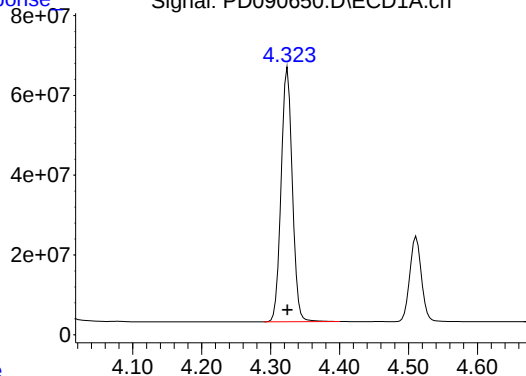
Conc: 102.76 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC100



Time

Response_

Signal: PD090650.D\ECD2B.ch

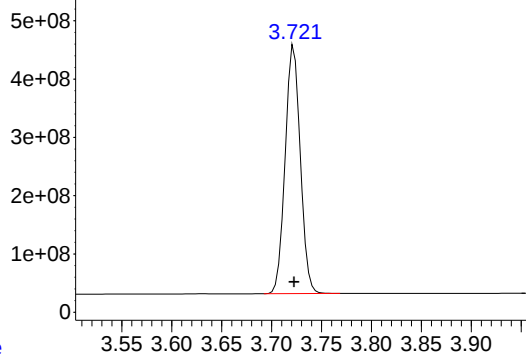
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 4496483491

Conc: 98.89 ng/ml



Time

Response_

Signal: PD090650.D\ECD1A.ch

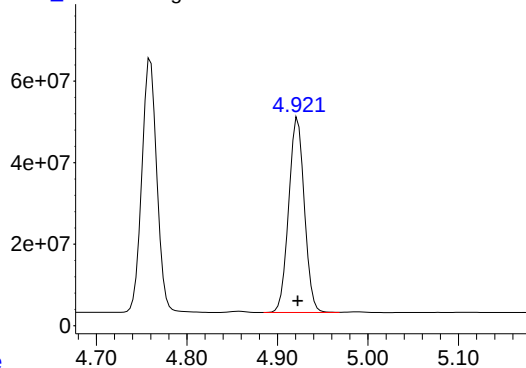
#4 Heptachlor

R.T.: 4.922 min

Delta R.T.: 0.000 min

Response: 575791141

Conc: 101.88 ng/ml



Time

Response_

Signal: PD090650.D\ECD2B.ch

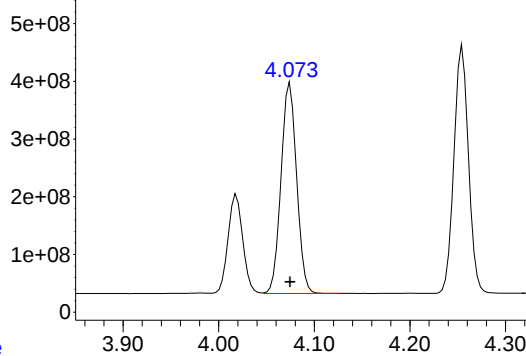
#4 Heptachlor

R.T.: 4.075 min

Delta R.T.: 0.000 min

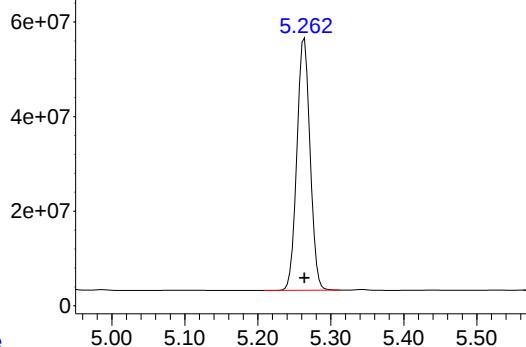
Response: 4127234386

Conc: 97.67 ng/ml



Time

Response_ Signal: PD090650.D\ECD1A.ch

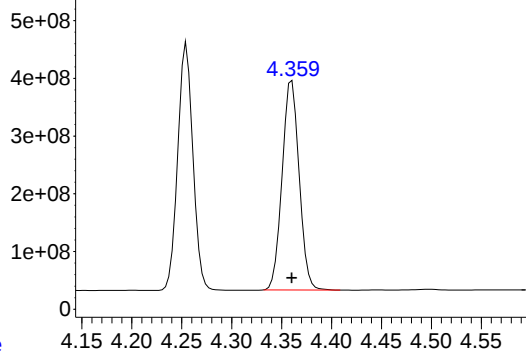


#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

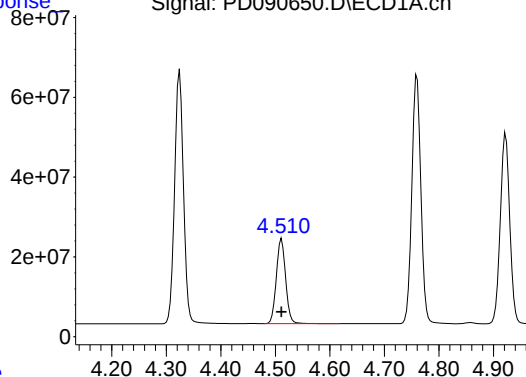
Time Response_ Signal: PD090650.D\ECD2B.ch



#5 Aldrin

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

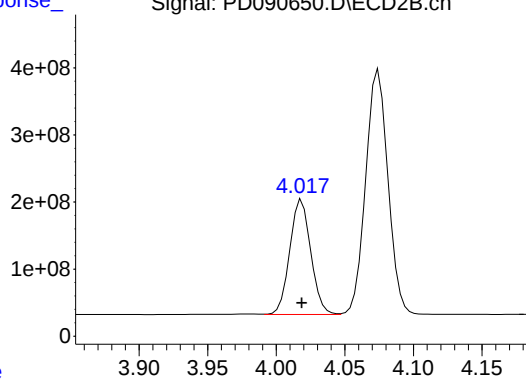
Time Response_ Signal: PD090650.D\ECD1A.ch



#6 beta-BHC

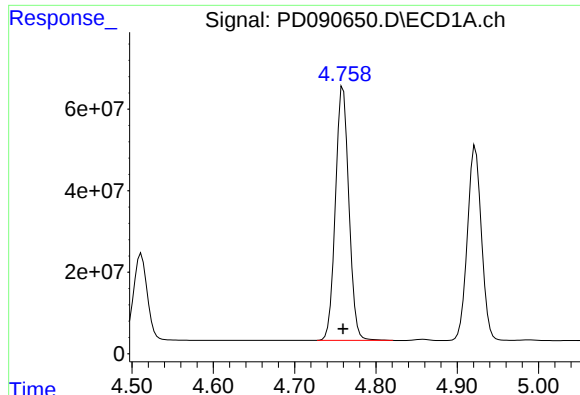
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 251520811
Conc: 99.50 ng/ml

Time Response_ Signal: PD090650.D\ECD2B.ch



#6 beta-BHC

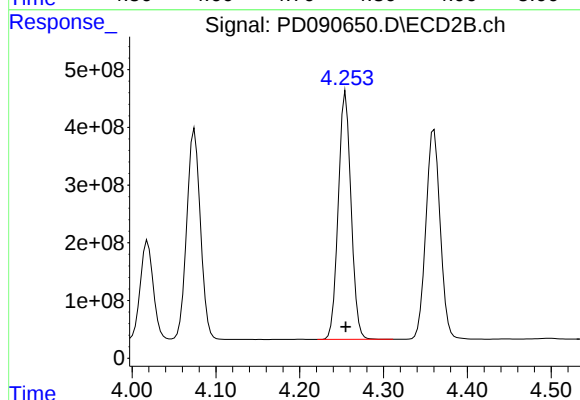
R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 1829668615
Conc: 97.90 ng/ml



#7 delta-BHC

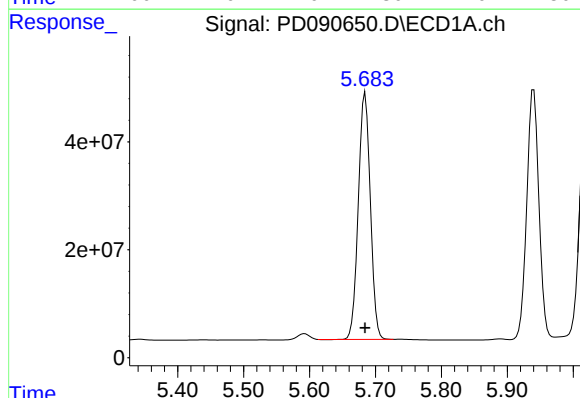
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 716926396
Conc: 102.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



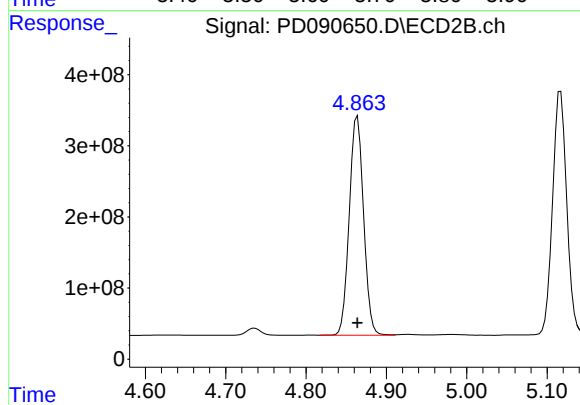
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 4532491918
Conc: 98.76 ng/ml



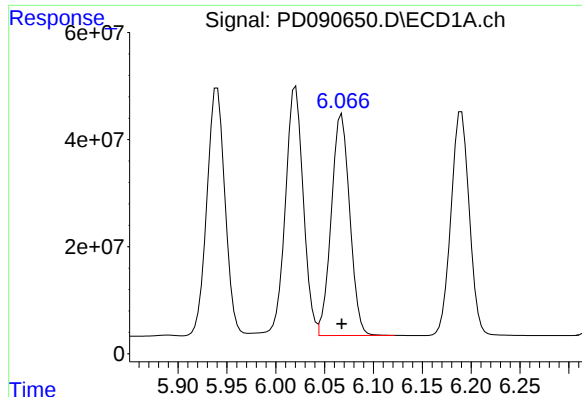
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 579557032
Conc: 100.67 ng/ml



#8 Heptachlor epoxide

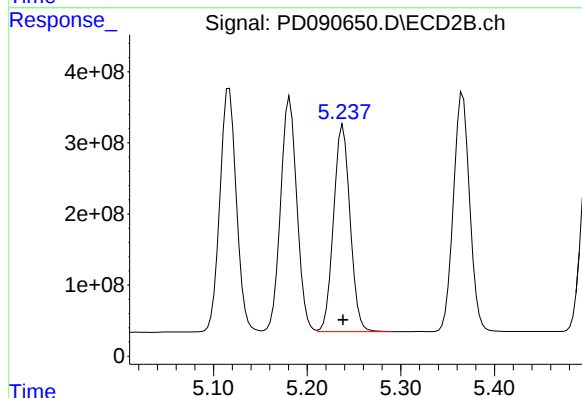
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 3820342410
Conc: 96.87 ng/ml



#9 Endosulfan I

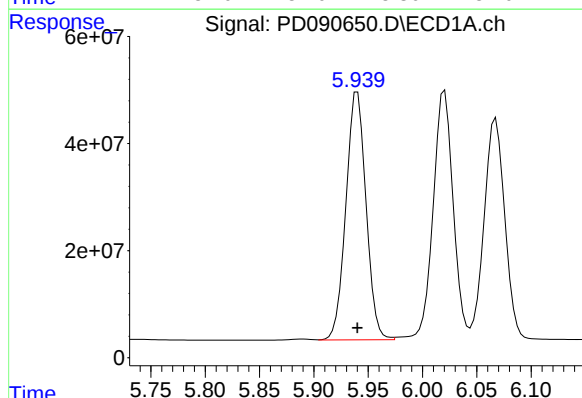
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 545227033
Conc: 100.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



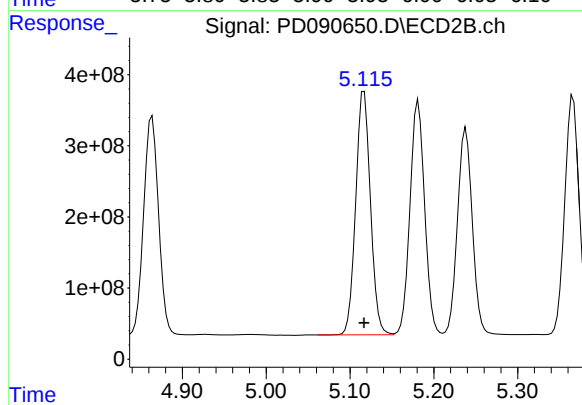
#9 Endosulfan I

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



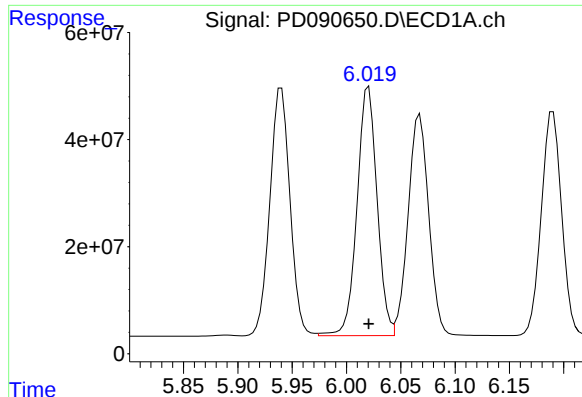
#10 gamma-Chlordane

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



#10 gamma-Chlordane

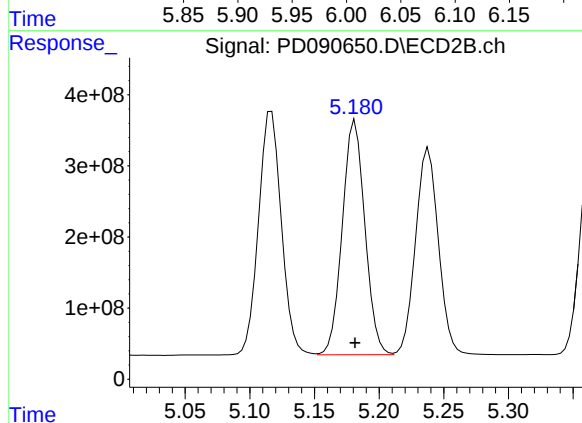
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 4192081714
Conc: 97.87 ng/ml



#11 alpha-Chlordane

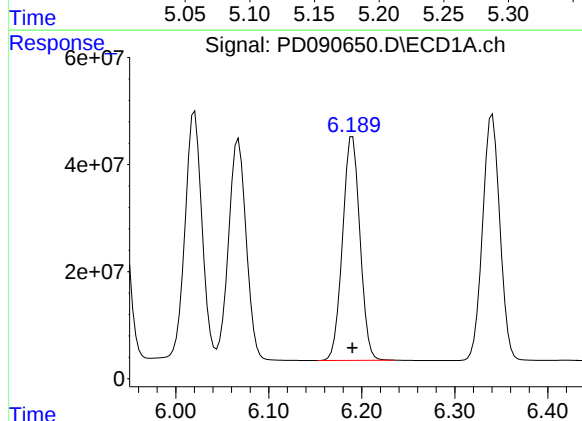
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 596606616
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



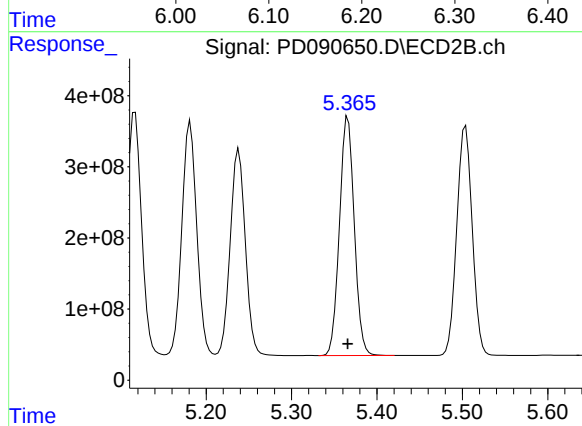
#11 alpha-Chlordane

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



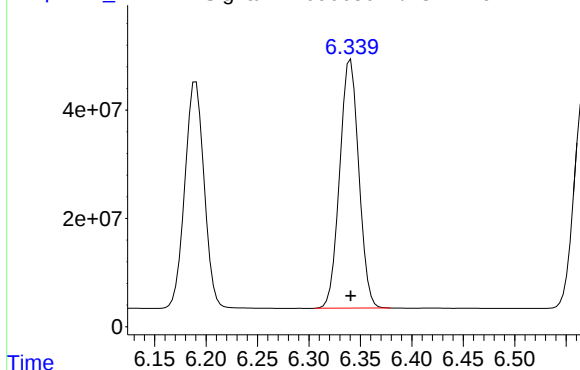
#12 4,4'-DDE

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



#12 4,4'-DDE

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



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

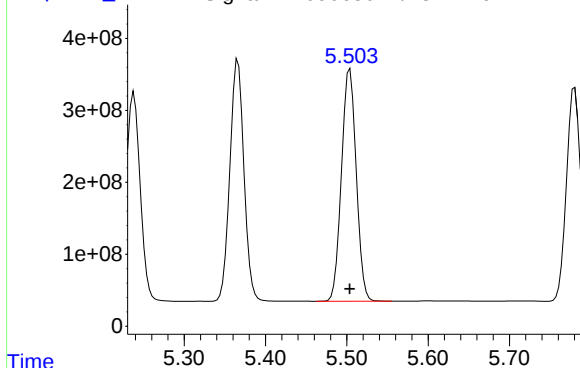
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#13 Dieldrin



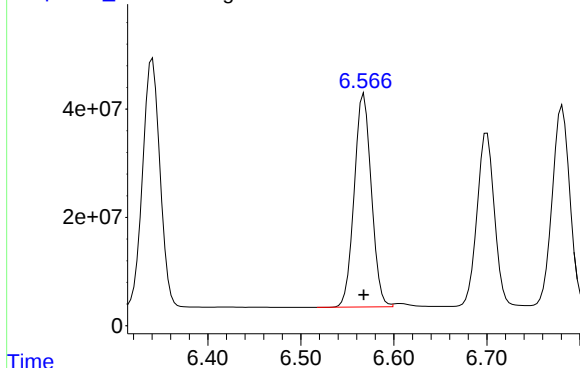
R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 4060107897
Conc: 97.02 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#14 Endrin



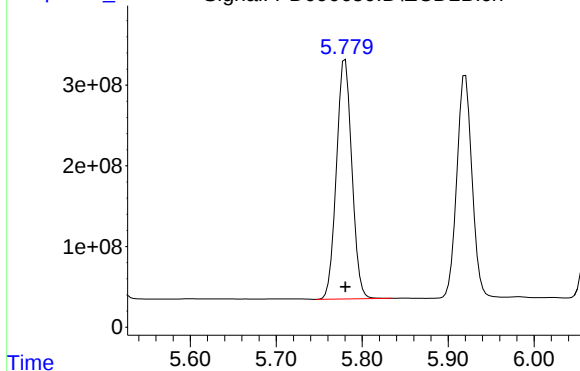
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 503593872
Conc: 100.98 ng/ml

Time

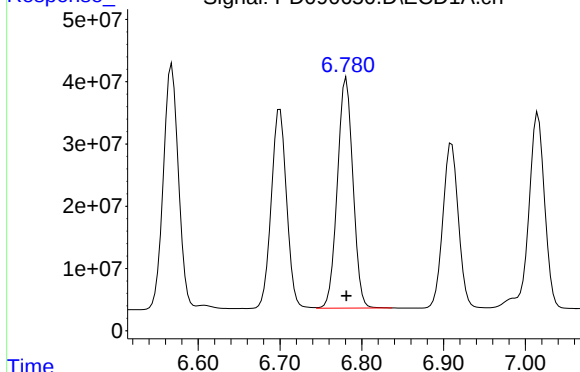
Response_

Signal: PD090650.D\ECD2B.ch

#14 Endrin



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



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

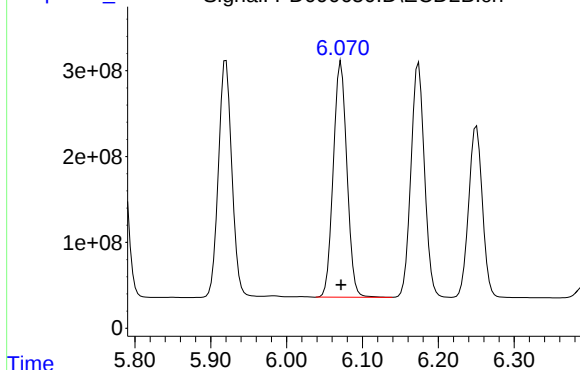
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#15 Endosulfan II



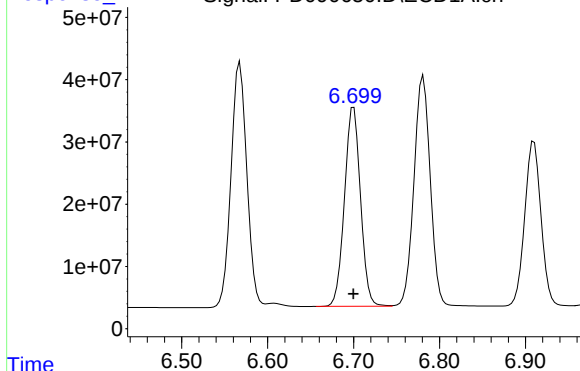
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 3426973062
Conc: 96.94 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#16 4,4'-DDD



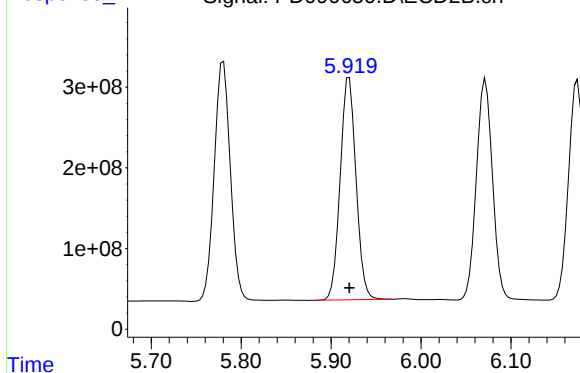
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 415098011
Conc: 101.16 ng/ml

Time

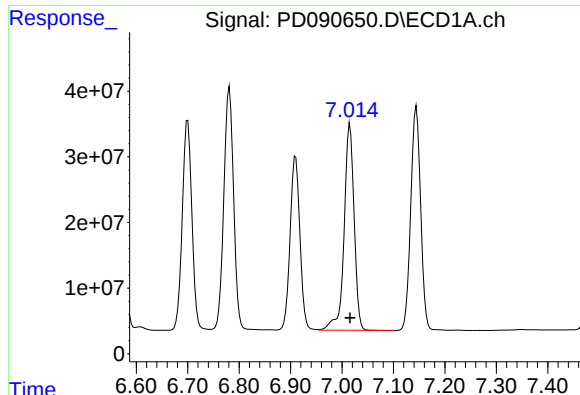
Response_

Signal: PD090650.D\ECD2B.ch

#16 4,4'-DDD



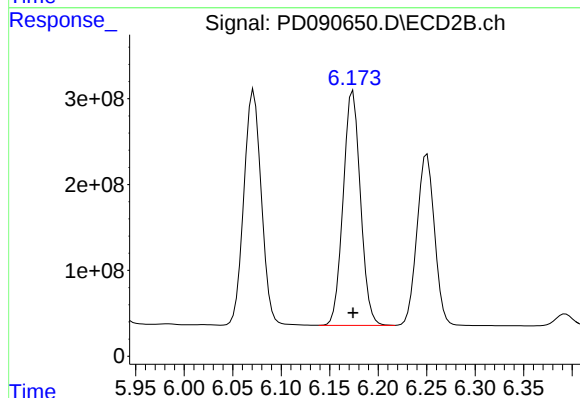
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 3370894623
Conc: 97.33 ng/ml



#17 4,4'-DDT

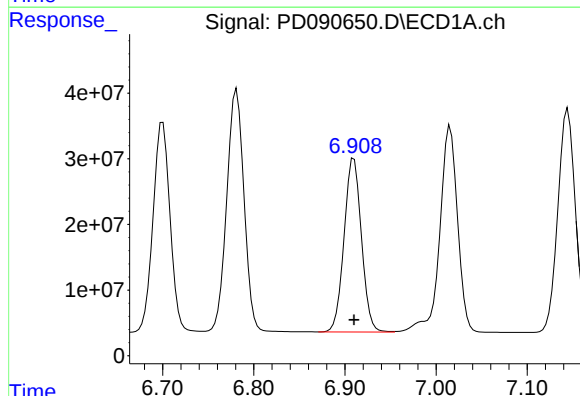
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 425681261
Conc: 101.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



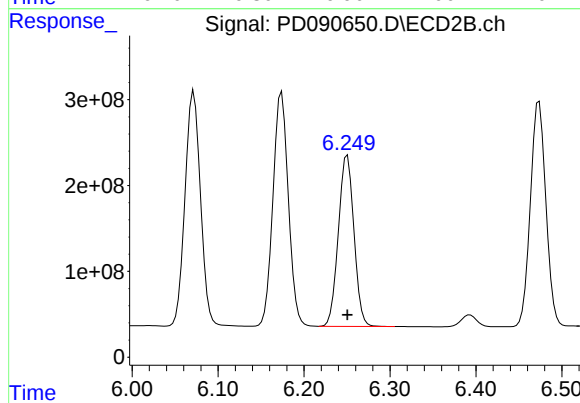
#17 4,4'-DDT

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



#18 Endrin aldehyde

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



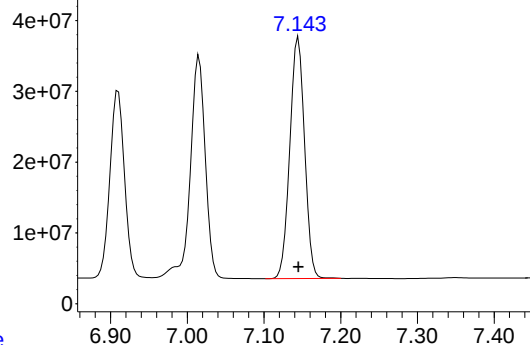
#18 Endrin aldehyde

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

Response_

Signal: PD090650.D\ECD1A.ch

#19 Endosulfan Sulfate



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

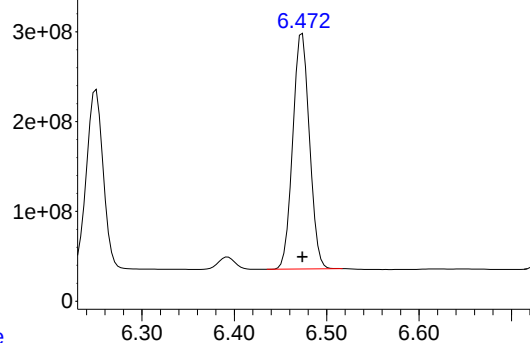
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#19 Endosulfan Sulfate



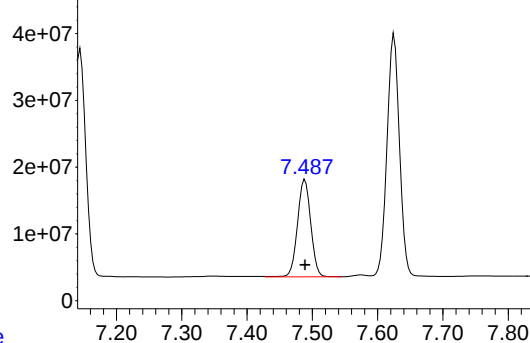
R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 3296343899
Conc: 97.06 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#20 Methoxychlor



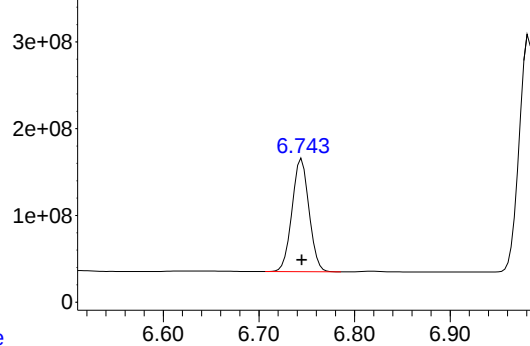
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 205006247
Conc: 99.31 ng/ml

Time

Response_

Signal: PD090650.D\ECD2B.ch

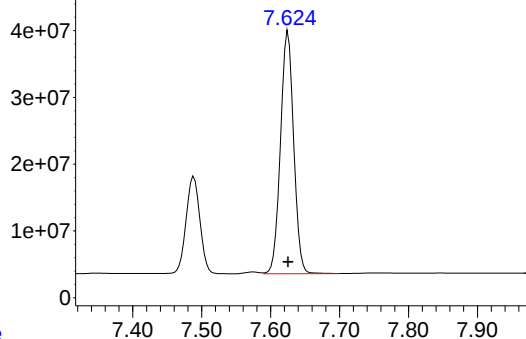
#20 Methoxychlor



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

Time

Response_ Signal: PD090650.D\ECD1A.ch

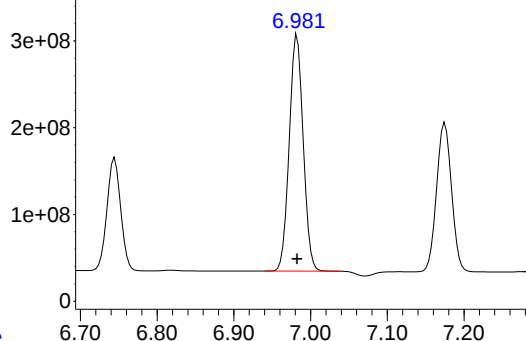


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

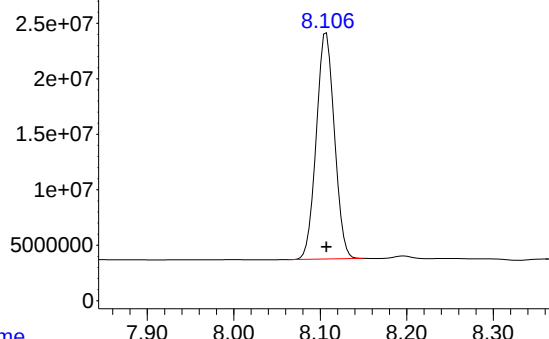
Time Response_ Signal: PD090650.D\ECD2B.ch



#21 Endrin ketone

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

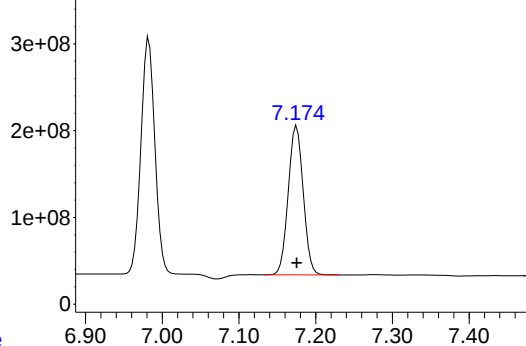
Time Response_ Signal: PD090650.D\ECD1A.ch



#22 Mirex

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

Time Response_ Signal: PD090650.D\ECD2B.ch



#22 Mirex

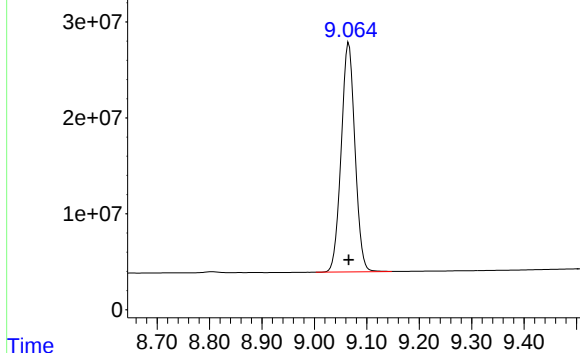
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 2331618859
Conc: 97.24 ng/ml

Response_

Signal: PD090650.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



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

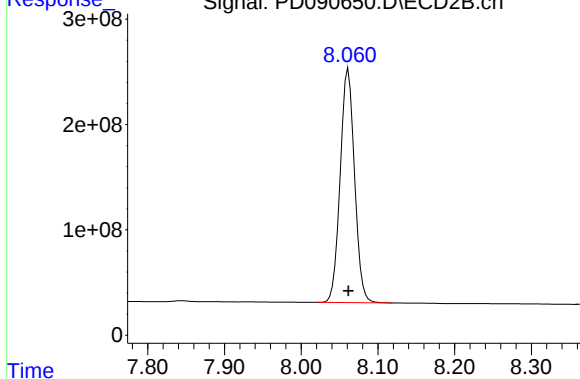
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090650.D\ECD2B.ch

#28 Decachlorobiphenyl



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

Time

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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC075

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

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

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

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

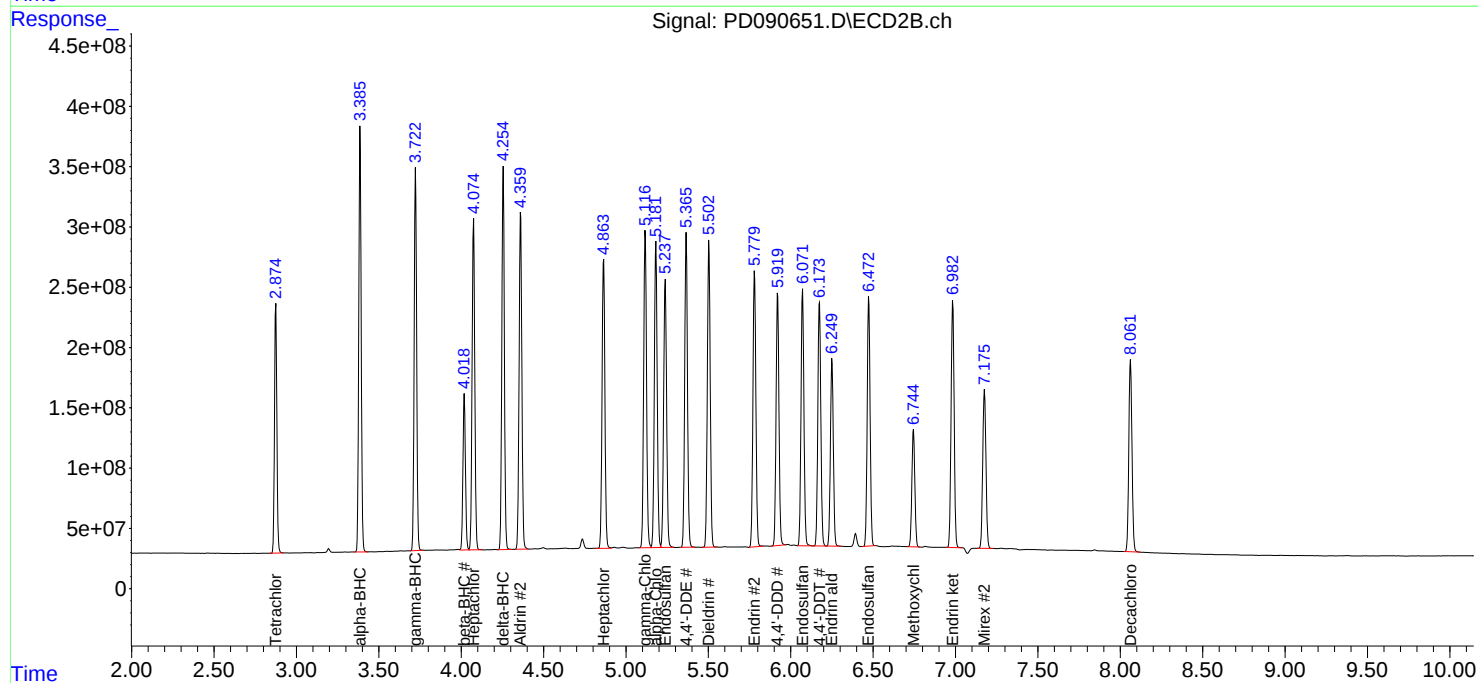
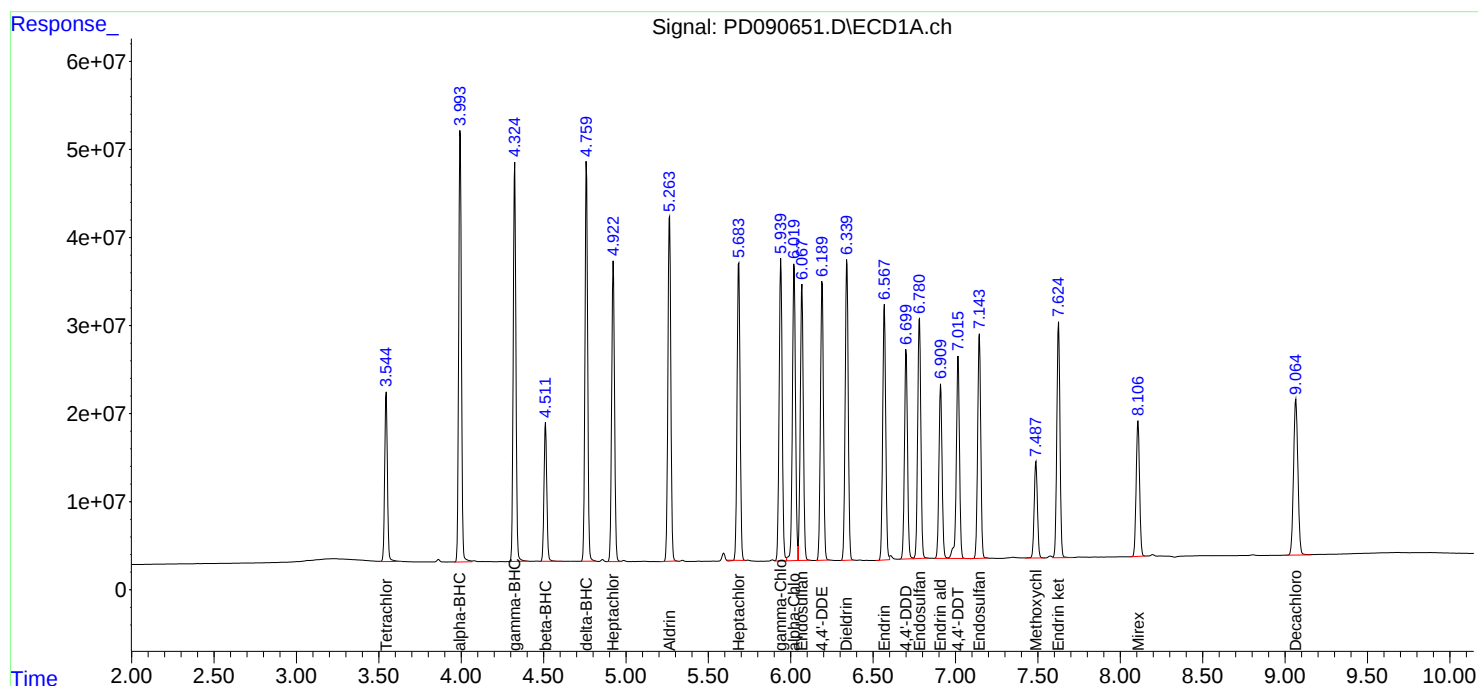
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

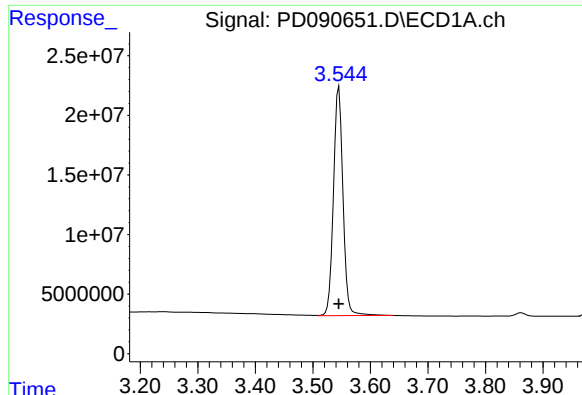
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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

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

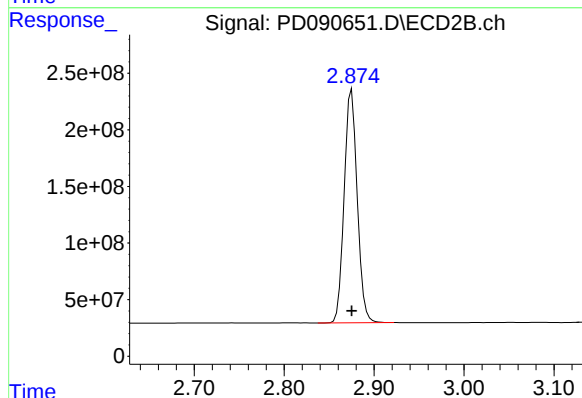




#1 Tetrachloro-m-xylene

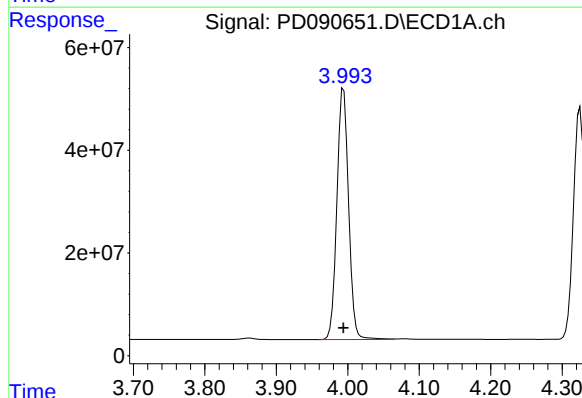
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 221338475
Conc: 73.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



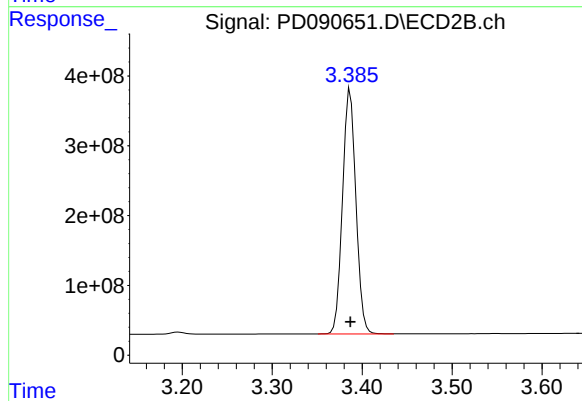
#1 Tetrachloro-m-xylene

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



#2 alpha-BHC

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

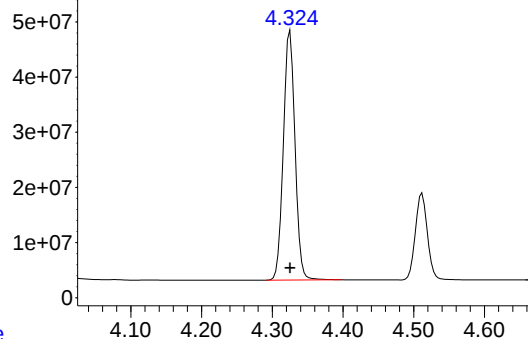


#2 alpha-BHC

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

Response_ Signal: PD090651.D\ECD1A.ch

#3 gamma-BHC (Lindane)

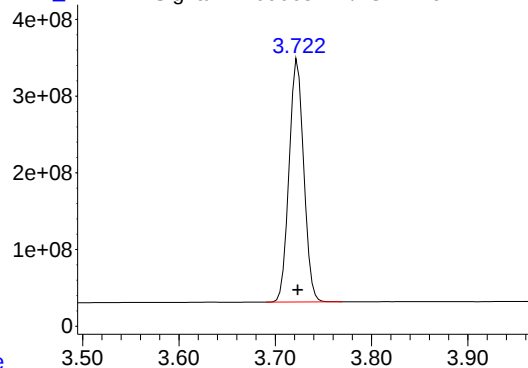


R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 517939637
Conc: 74.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time Response_ Signal: PD090651.D\ECD2B.ch

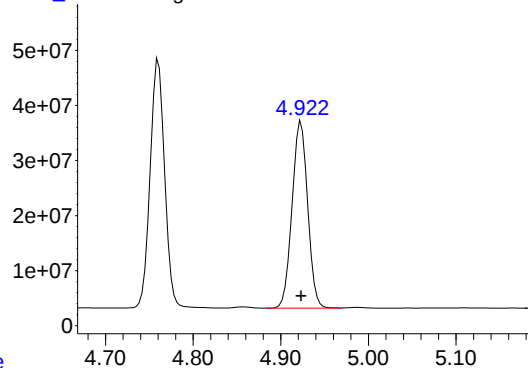
#3 gamma-BHC (Lindane)



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

Time Response_ Signal: PD090651.D\ECD1A.ch

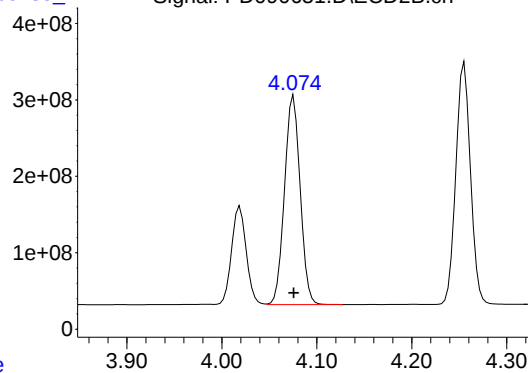
#4 Heptachlor



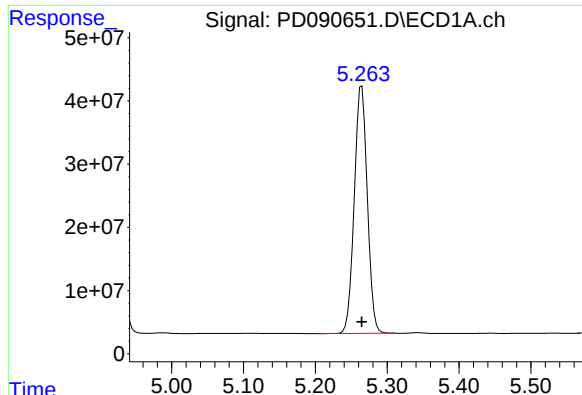
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 419813050
Conc: 74.52 ng/ml

Time Response_ Signal: PD090651.D\ECD2B.ch

#4 Heptachlor



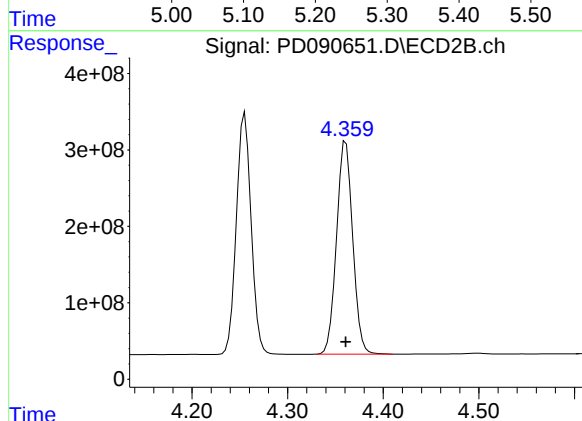
R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 3135796942
Conc: 74.47 ng/ml



#5 Aldrin

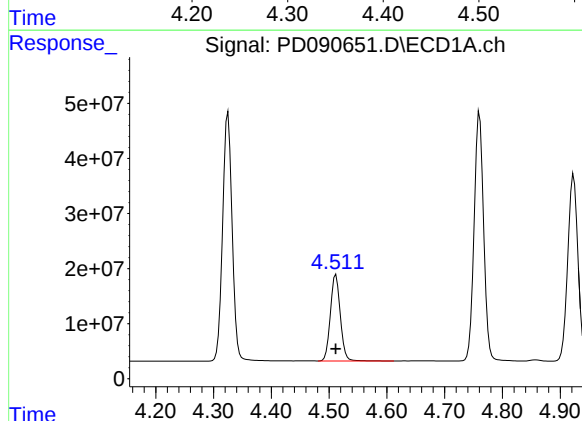
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 492167044
Conc: 74.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



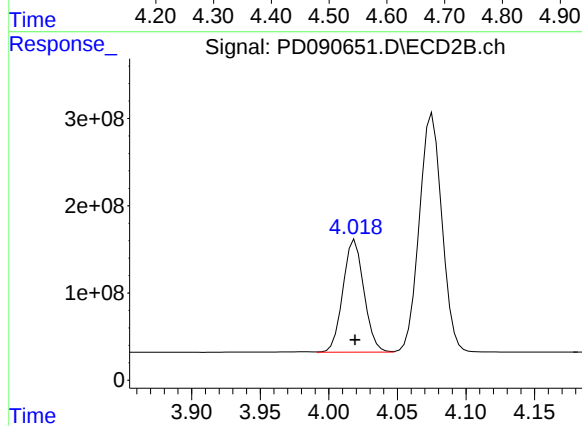
#5 Aldrin

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



#6 beta-BHC

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



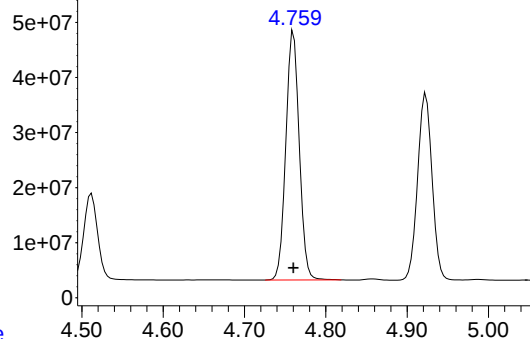
#6 beta-BHC

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

Response_

Signal: PD090651.D\ECD1A.ch

#7 delta-BHC



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

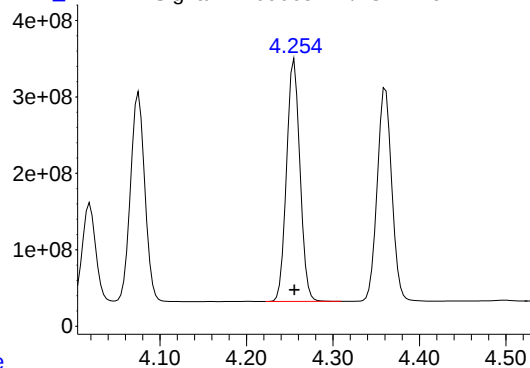
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#7 delta-BHC



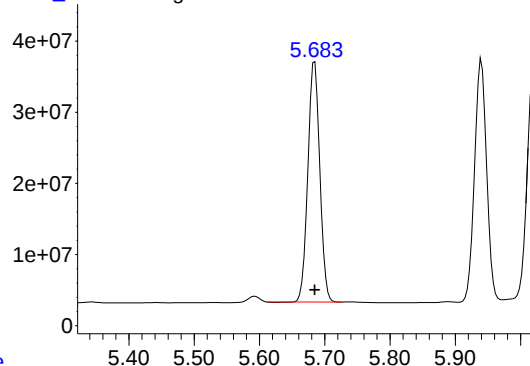
R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3391516826
Conc: 74.26 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#8 Heptachlor epoxide



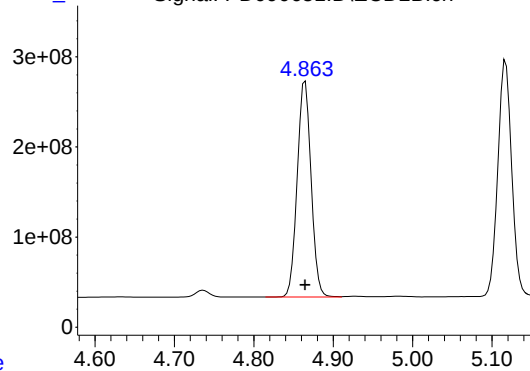
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 428112423
Conc: 74.57 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

#8 Heptachlor epoxide



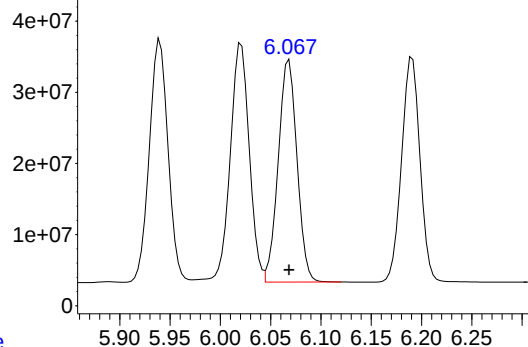
R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 2916863262
Conc: 74.30 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#9 Endosulfan I



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

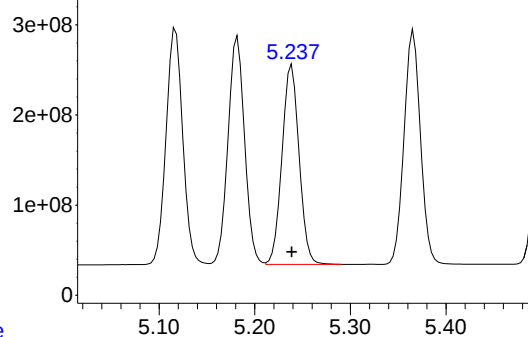
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#9 Endosulfan I



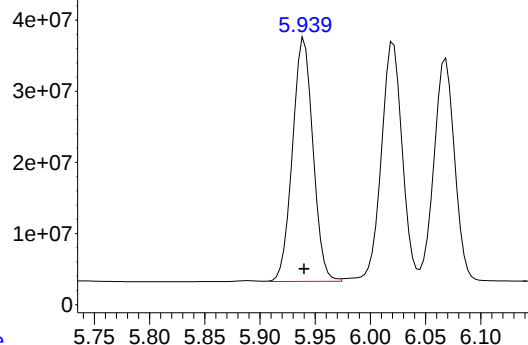
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 2743979164
Conc: 74.50 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#10 gamma-Chlordane



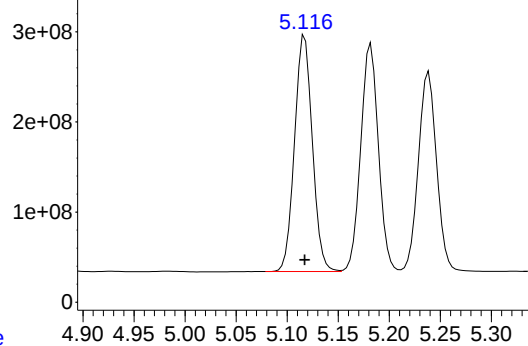
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 442053358
Conc: 74.83 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

#10 gamma-Chlordane



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

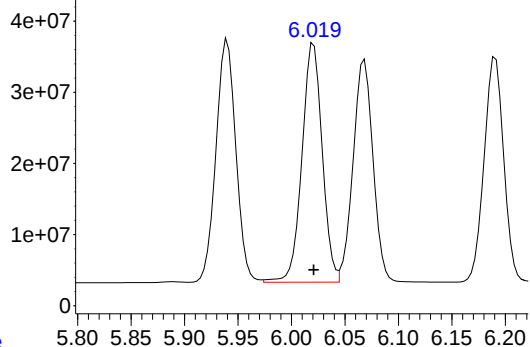
Time

Response_

Signal: PD090651.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



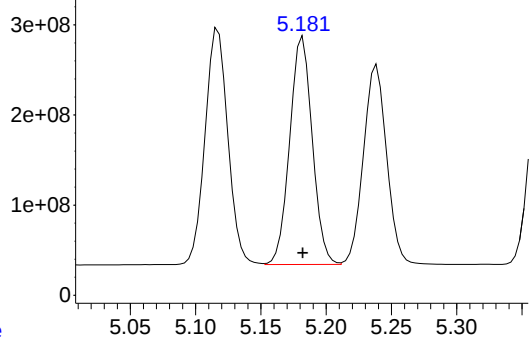
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 442910146
Conc: 74.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Response_

Signal: PD090651.D\ECD2B.ch

#11 alpha-Chlordane



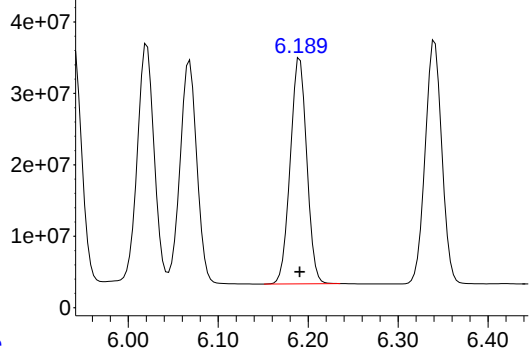
R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 3041262707
Conc: 74.51 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#12 4,4'-DDE



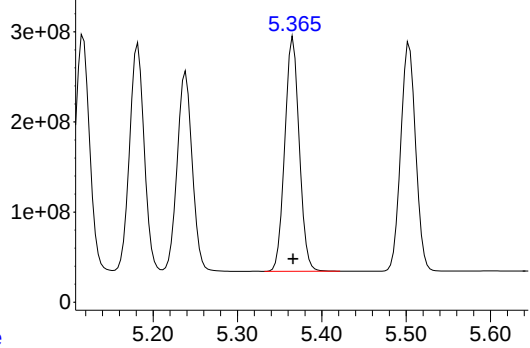
R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 402806011
Conc: 74.95 ng/ml

Time

Response_

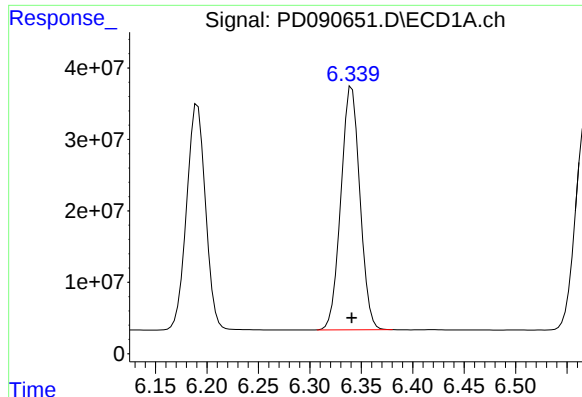
Signal: PD090651.D\ECD2B.ch

#12 4,4'-DDE



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

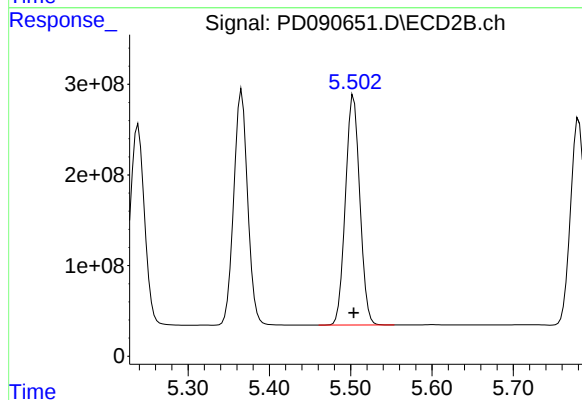
Time



#13 Dieldrin

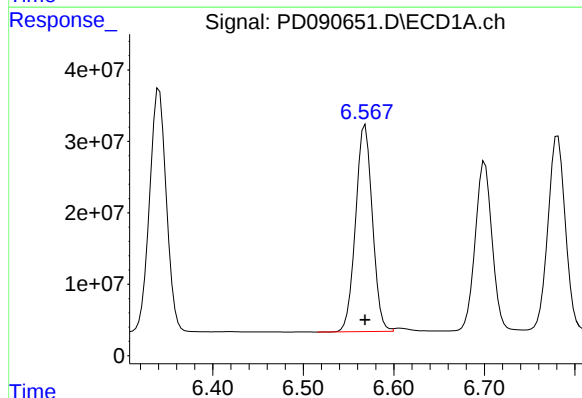
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 438145830
Conc: 74.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



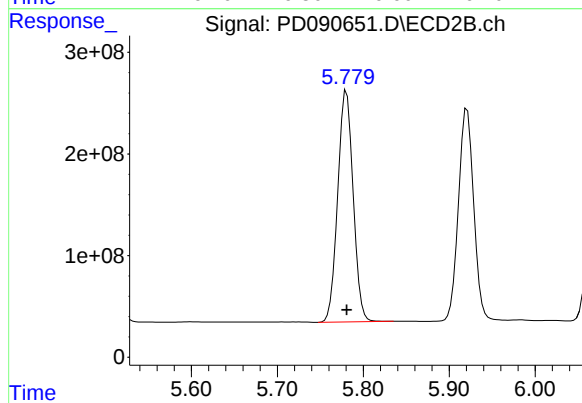
#13 Dieldrin

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



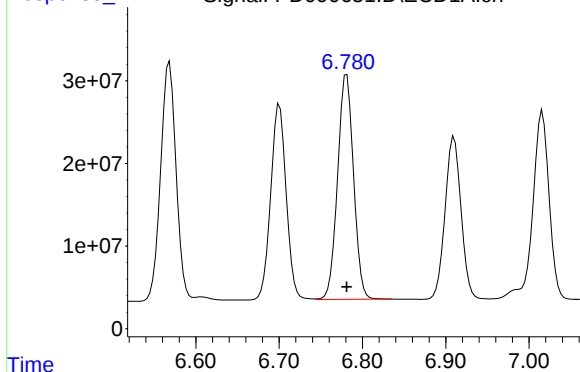
#14 Endrin

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



#14 Endrin

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



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

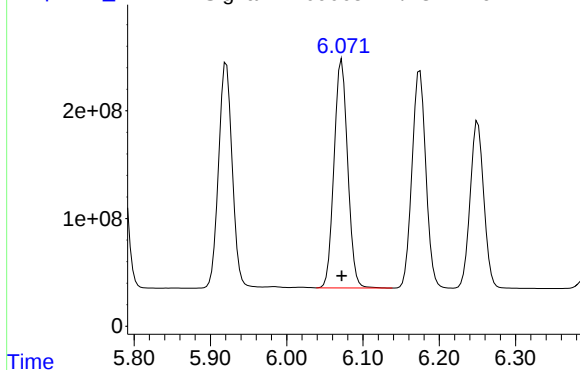
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#15 Endosulfan II



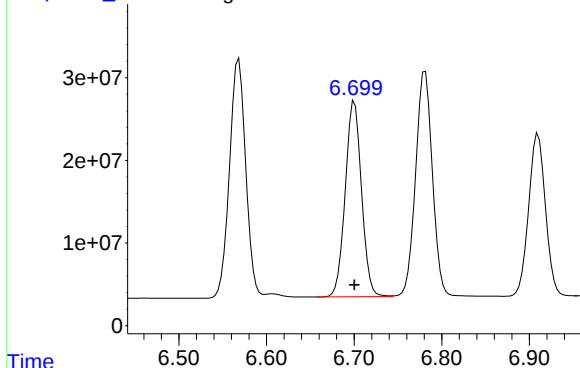
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 2622605787
Conc: 74.46 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#16 4,4'-DDD



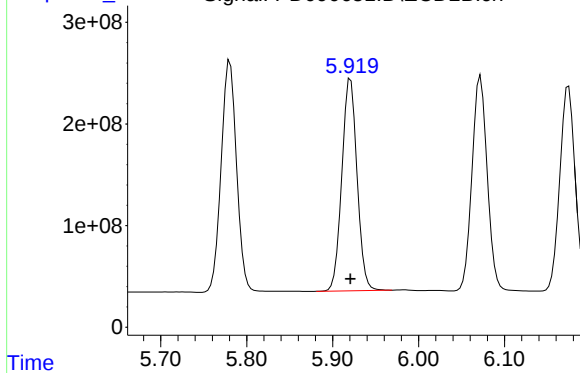
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 305645357
Conc: 74.66 ng/ml

Time

Response_

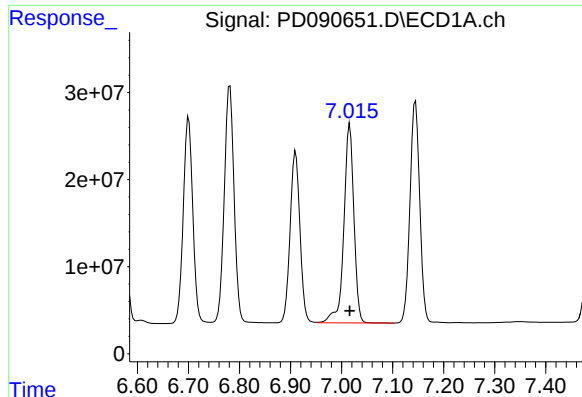
Signal: PD090651.D\ECD2B.ch

#16 4,4'-DDD



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

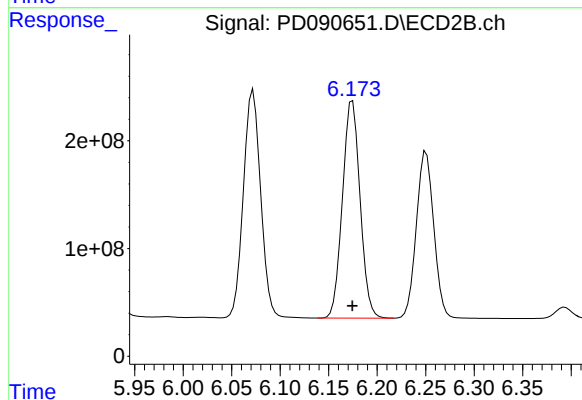
Time



#17 4,4'-DDT

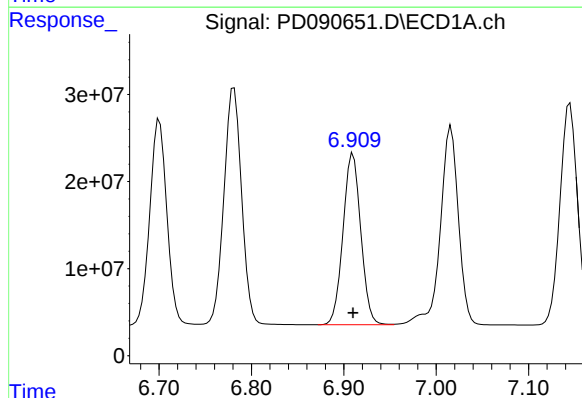
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 311444736
Conc: 74.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



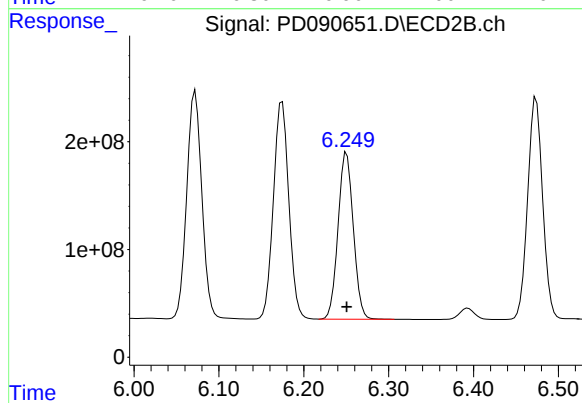
#17 4,4'-DDT

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



#18 Endrin aldehyde

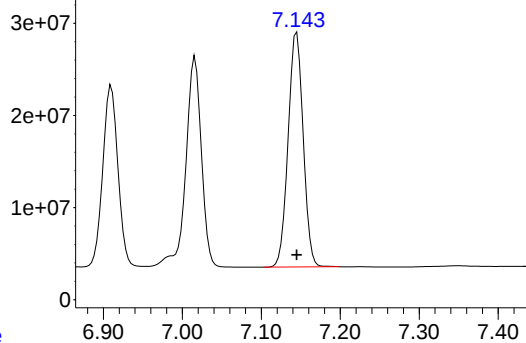
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 263096696
Conc: 74.56 ng/ml



#18 Endrin aldehyde

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

Response_ Signal: PD090651.D\ECD1A.ch

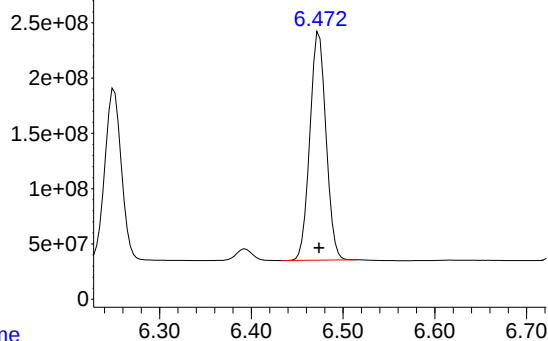


#19 Endosulfan Sulfate

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

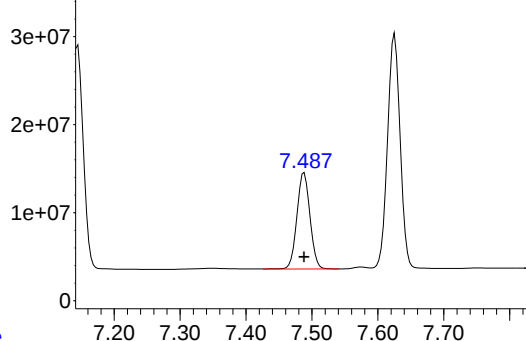
Time Response_ Signal: PD090651.D\ECD2B.ch



#19 Endosulfan Sulfate

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

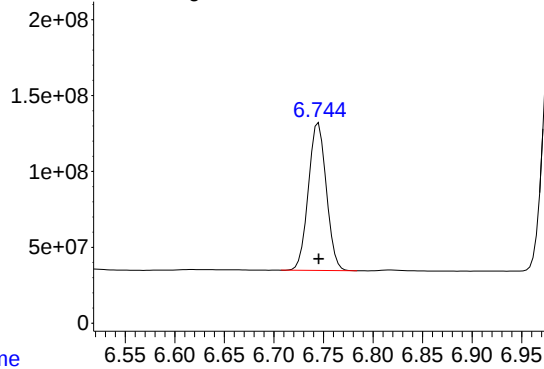
Time Response_ Signal: PD090651.D\ECD1A.ch



#20 Methoxychlor

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

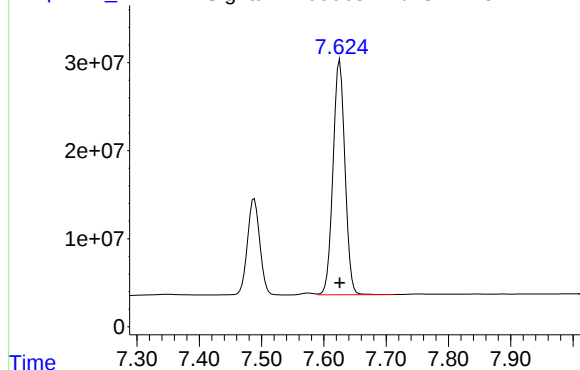
Time Response_ Signal: PD090651.D\ECD2B.ch



#20 Methoxychlor

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

Response_ Signal: PD090651.D\ECD1A.ch

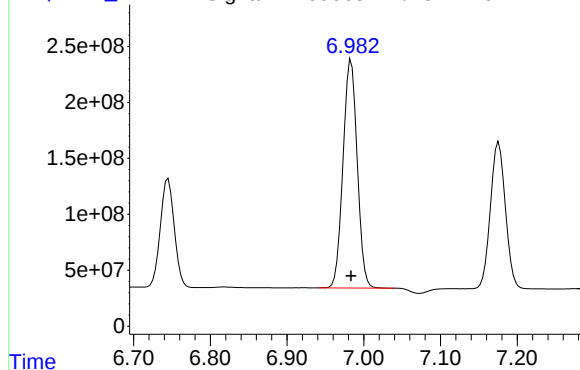


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

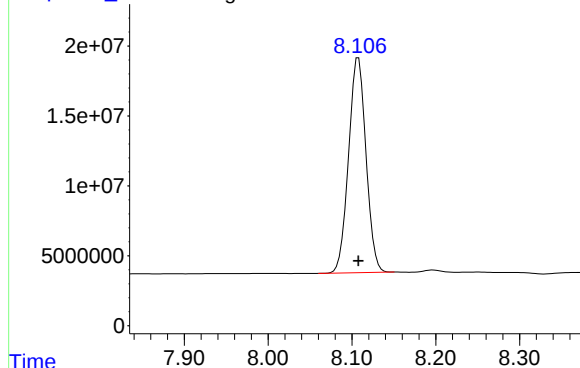
Response_ Signal: PD090651.D\ECD2B.ch



#21 Endrin ketone

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

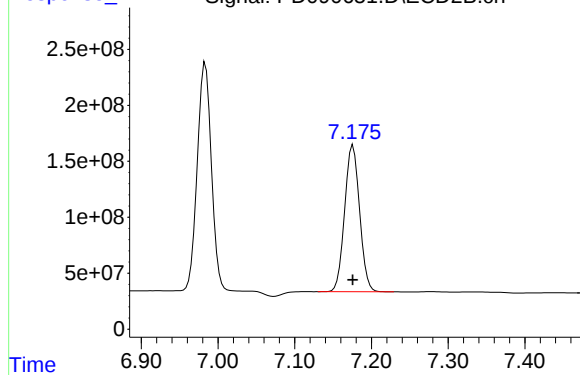
Response_ Signal: PD090651.D\ECD1A.ch



#22 Mirex

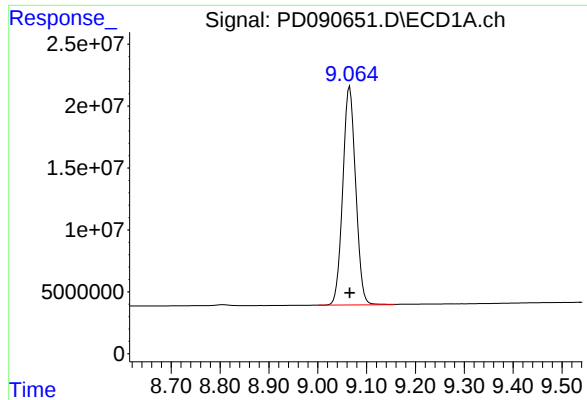
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 222493333
Conc: 74.05 ng/ml

Response_ Signal: PD090651.D\ECD2B.ch



#22 Mirex

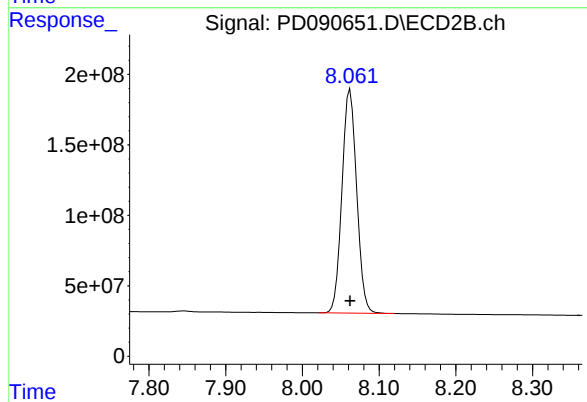
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1780357534
Conc: 74.50 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	151.5E6	1430.9E6	50.000	50.000
28)	SA Decachlor...	9.064	8.062	225.3E6	1465.4E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.994	3.387	362.6E6	2484.2E6	50.000	50.000
3)	MA gamma-BHC...	4.325	3.723	340.0E6	2298.6E6	50.000	50.000
4)	MA Heptachlor	4.923	4.075	277.3E6	2162.0E6	50.000	50.000
5)	MB Aldrin	5.264	4.361	325.8E6	2251.7E6	50.000	50.000
6)	B beta-BHC	4.512	4.019	127.0E6	954.0E6	50.000	50.000
7)	B delta-BHC	4.760	4.255	338.6E6	2323.3E6	50.000	50.000
8)	B Heptachlo...	5.684	4.864	285.9E6	2033.6E6	50.000	50.000
9)	A Endosulfan I	6.068	5.238	272.5E6	1909.3E6	50.000	50.000
10)	B gamma-Chl...	5.940	5.117	292.8E6	2187.4E6	50.000	50.000
11)	B alpha-Chl...	6.021	5.181	296.9E6	2094.7E6	50.000	50.000
12)	B 4,4'-DDE	6.190	5.366	265.9E6	2127.4E6	50.000	50.000
13)	MA Dieldrin	6.340	5.504	290.9E6	2154.8E6	50.000	50.000
14)	MA Endrin	6.568	5.781	246.9E6	1970.0E6	50.000	50.000
15)	B Endosulfa...	6.781	6.072	244.3E6	1821.6E6	50.000	50.000
16)	A 4,4'-DDD	6.700	5.921	202.8E6	1778.0E6	50.000	50.000
17)	MA 4,4'-DDT	7.015	6.174	205.9E6	1743.4E6	50.000	50.000
18)	B Endrin al...	6.910	6.250	178.6E6	1344.7E6	50.000	50.000
19)	B Endosulfa...	7.145	6.474	227.8E6	1748.0E6	50.000	50.000
20)	A Methoxychlor	7.488	6.745	103.9E6	859.9E6	50.000	50.000
21)	B Endrin ke...	7.625	6.983	239.1E6	1827.5E6	50.000	50.000
22)	Mirex	8.107	7.175	154.6E6	1232.0E6	50.000	50.000

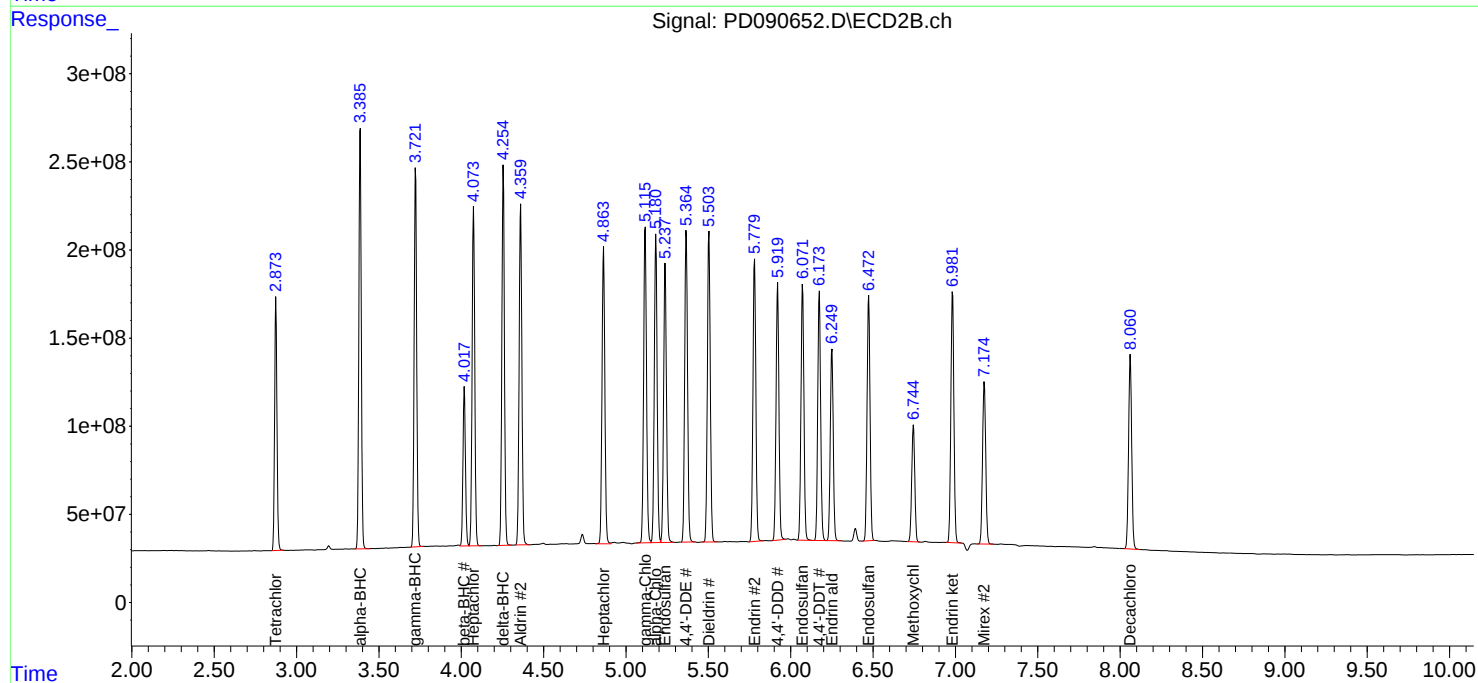
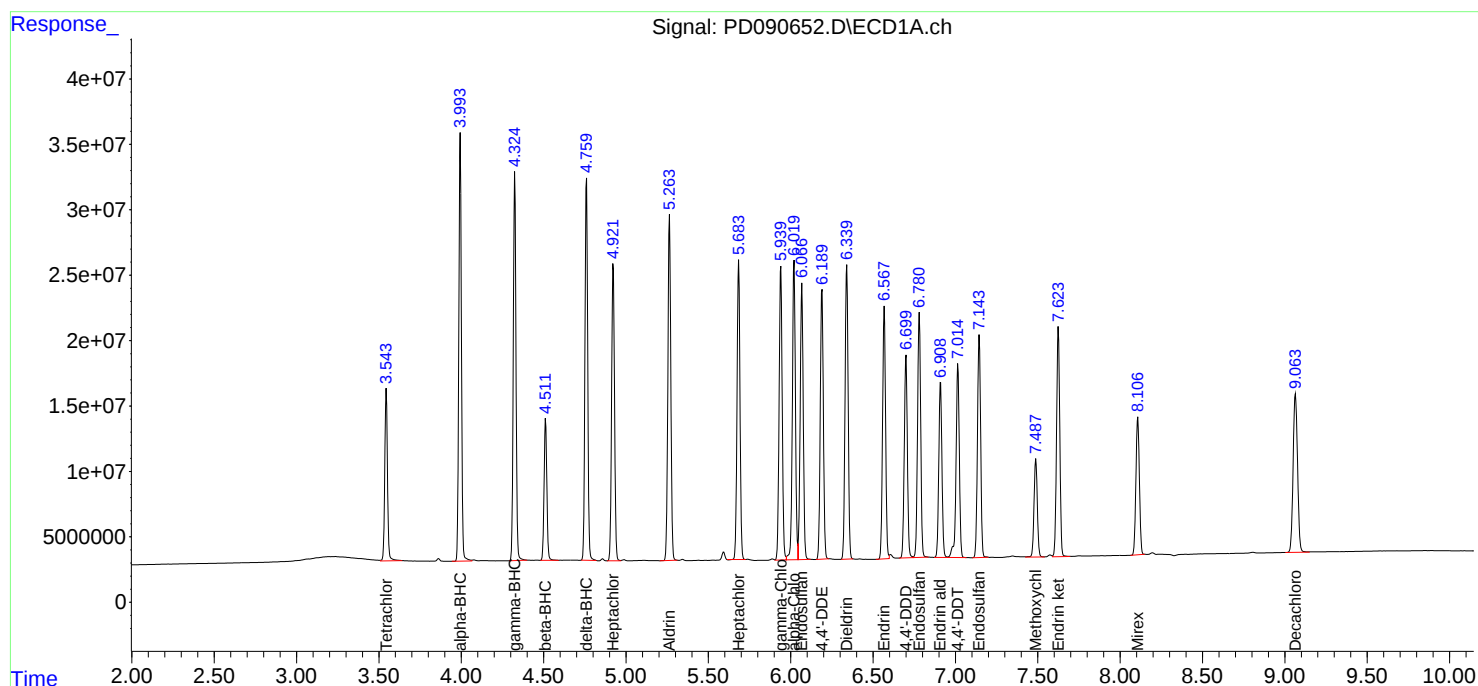
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

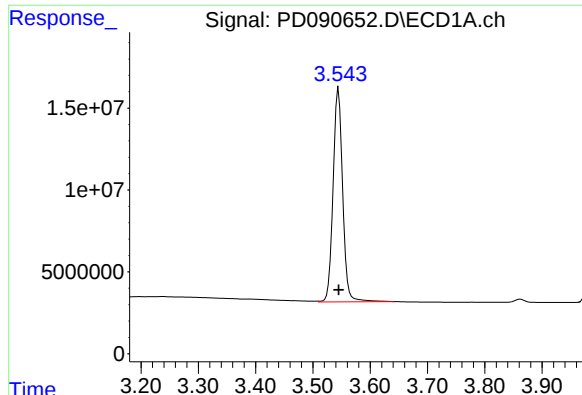
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:01
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

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

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

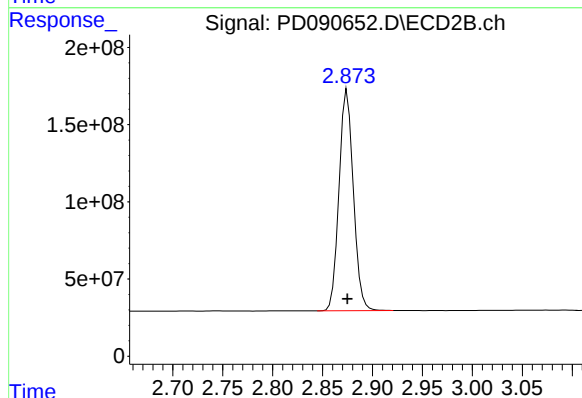




#1 Tetrachloro-m-xylene

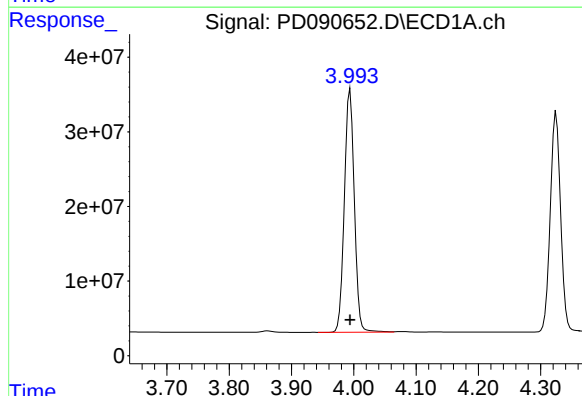
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 151504775
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



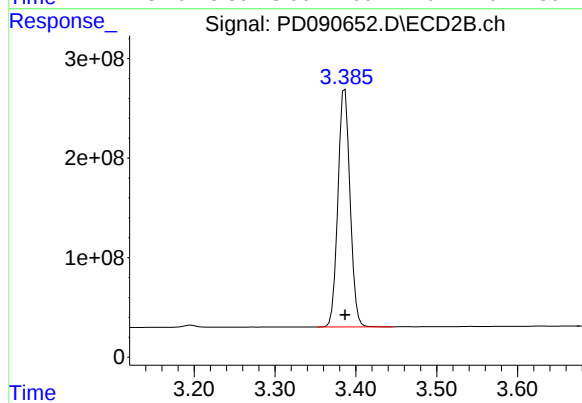
#1 Tetrachloro-m-xylene

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



#2 alpha-BHC

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



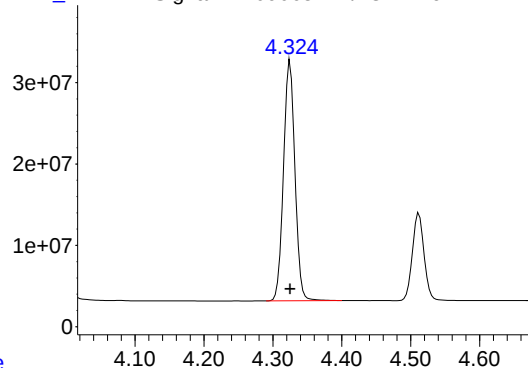
#2 alpha-BHC

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

Response_

Signal: PD090652.D\ECD1A.ch

#3 gamma-BHC (Lindane)



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

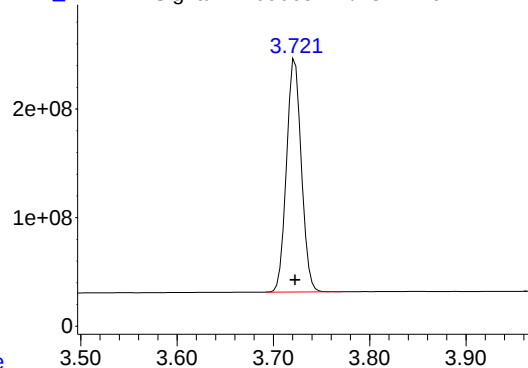
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#3 gamma-BHC (Lindane)



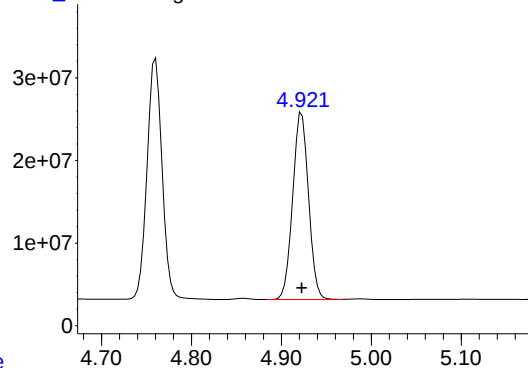
R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2298638612
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD1A.ch

#4 Heptachlor



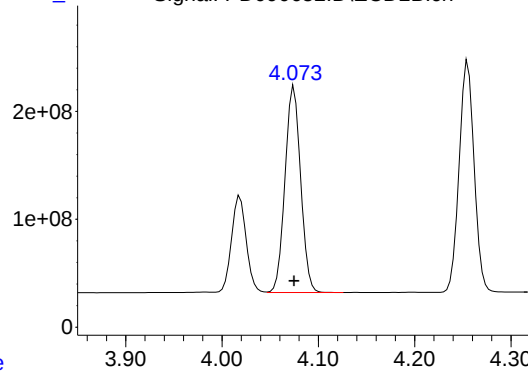
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 277277005
Conc: 50.00 ng/ml

Time

Response_

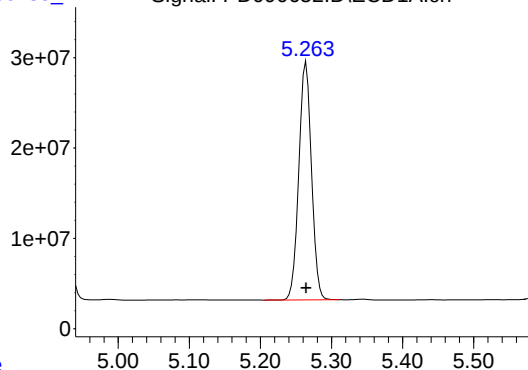
Signal: PD090652.D\ECD2B.ch

#4 Heptachlor



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

Time



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

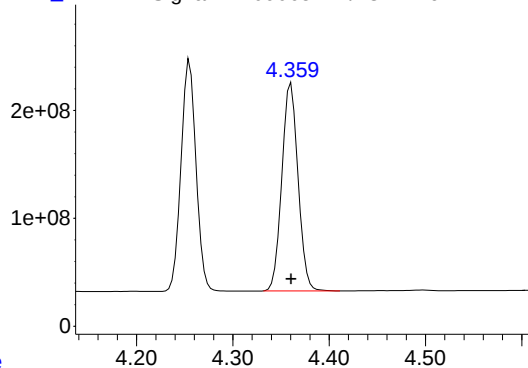
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#5 Aldrin



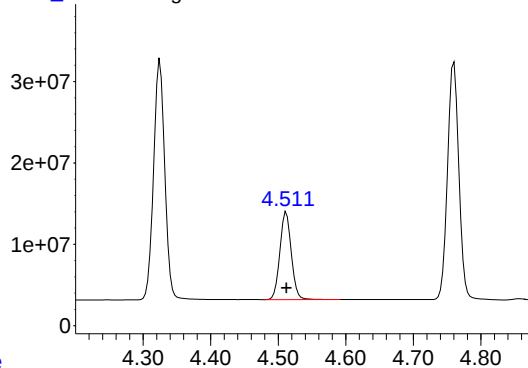
R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 2251688760
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD1A.ch

#6 beta-BHC



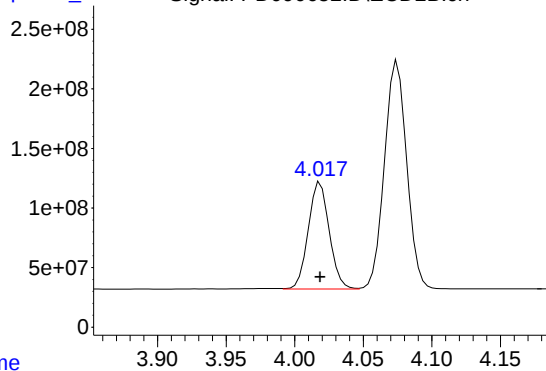
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 127018373
Conc: 50.00 ng/ml

Time

Response_

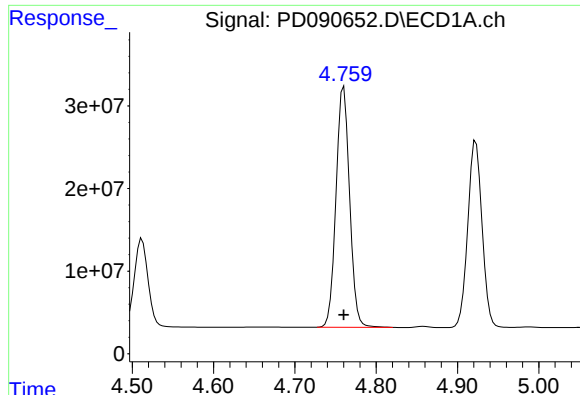
Signal: PD090652.D\ECD2B.ch

#6 beta-BHC



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

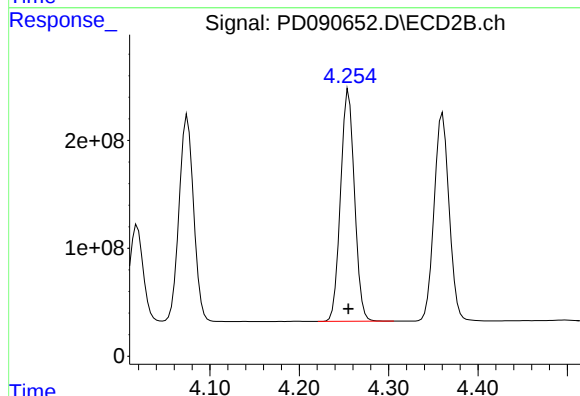
Time



#7 delta-BHC

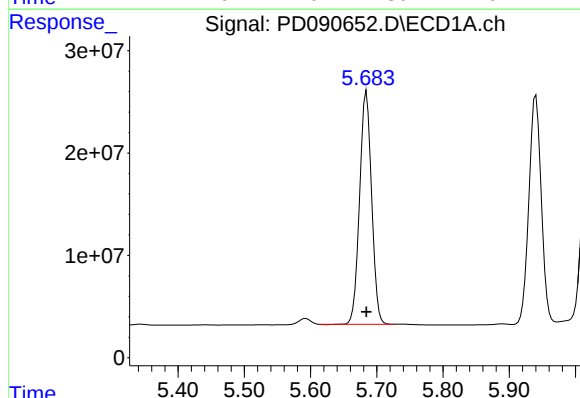
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 338575319
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



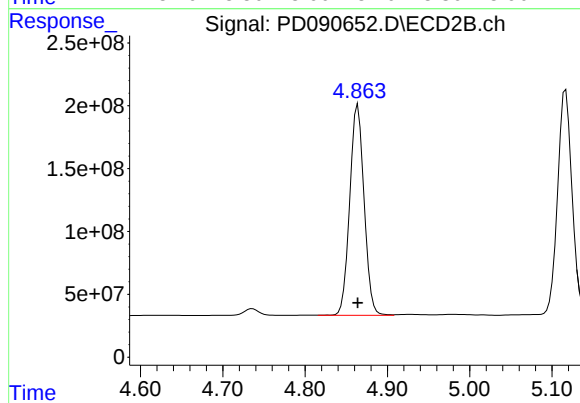
#7 delta-BHC

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



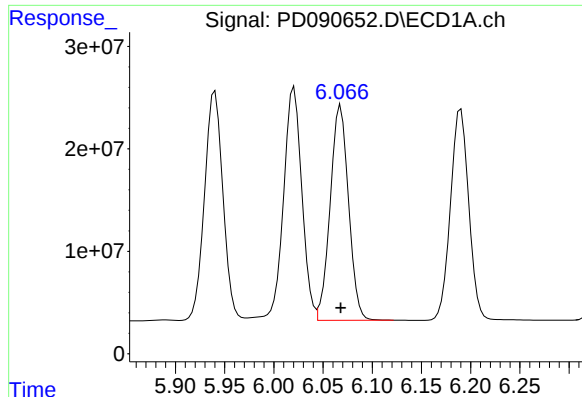
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

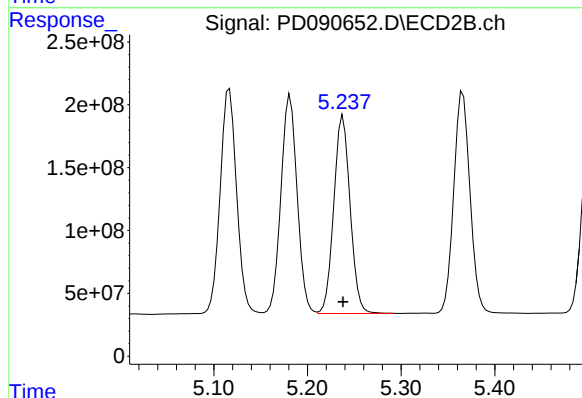
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2033647315
Conc: 50.00 ng/ml



#9 Endosulfan I

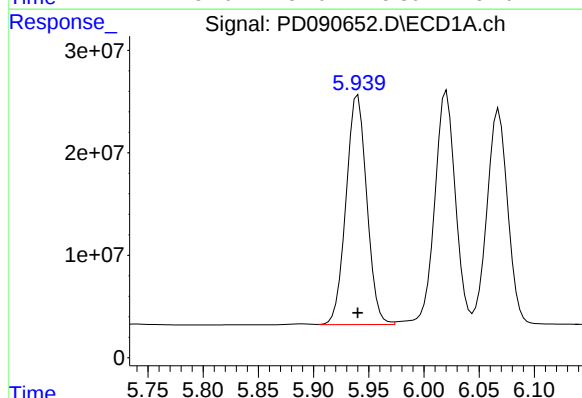
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 272452330
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



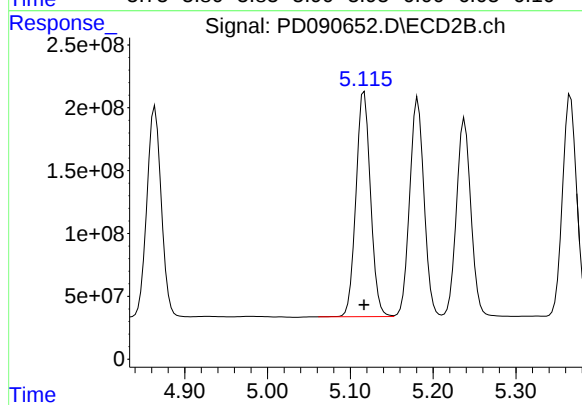
#9 Endosulfan I

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



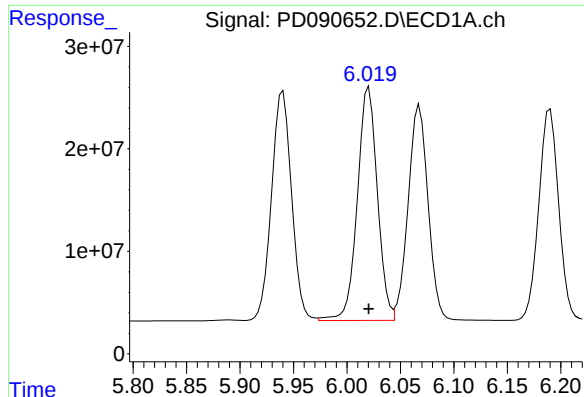
#10 gamma-Chlordane

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



#10 gamma-Chlordane

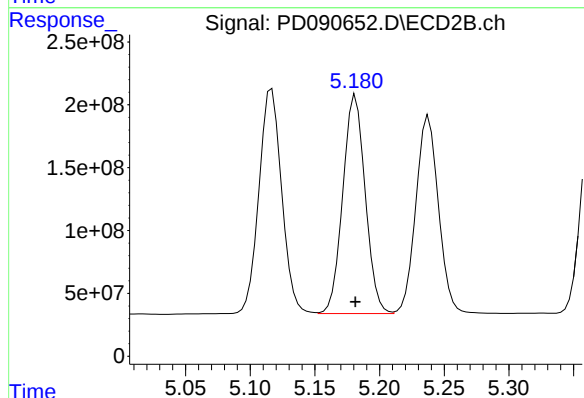
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2187405429
Conc: 50.00 ng/ml



#11 alpha-Chlordane

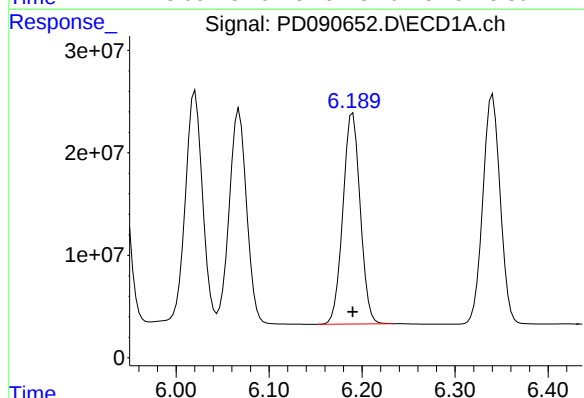
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 296932529
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



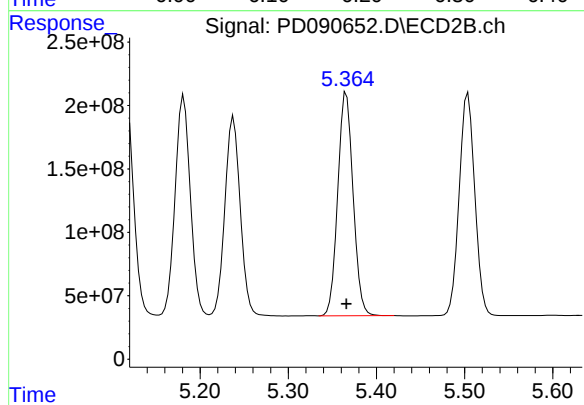
#11 alpha-Chlordane

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



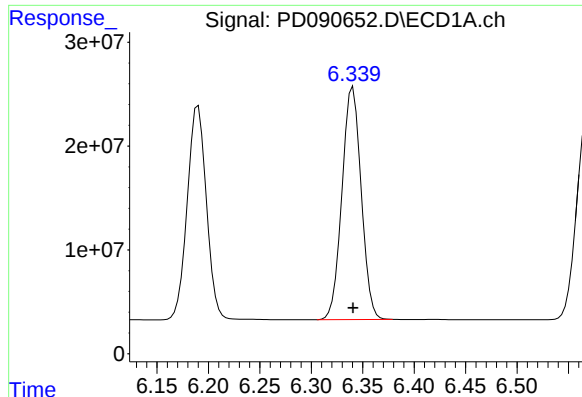
#12 4,4'-DDE

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



#12 4,4'-DDE

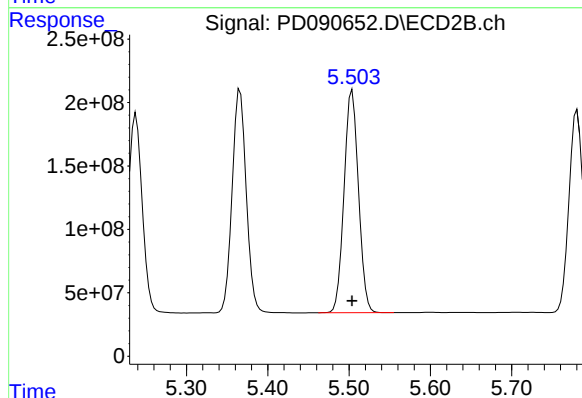
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2127431088
Conc: 50.00 ng/ml



#13 Dieldrin

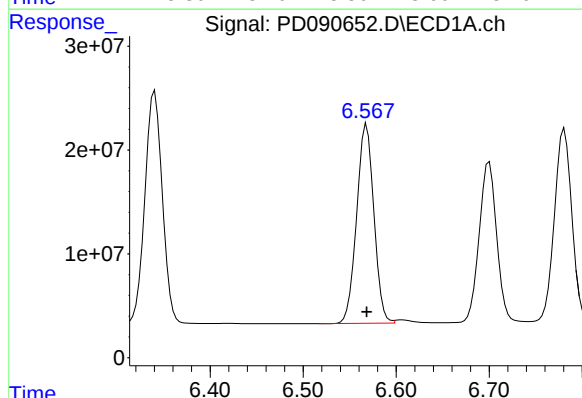
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 290909064
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



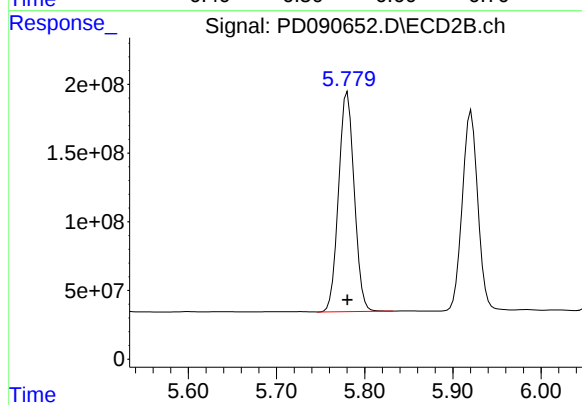
#13 Dieldrin

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



#14 Endrin

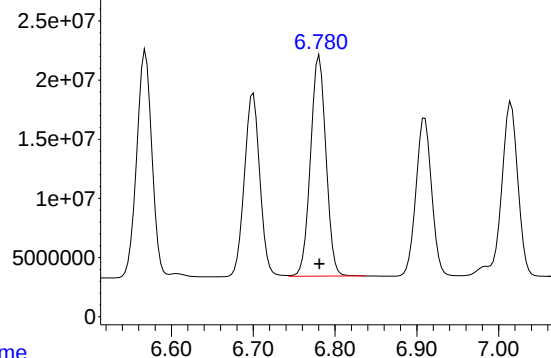
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 246912451
Conc: 50.00 ng/ml



#14 Endrin

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

Response_ Signal: PD090652.D\ECD1A.ch

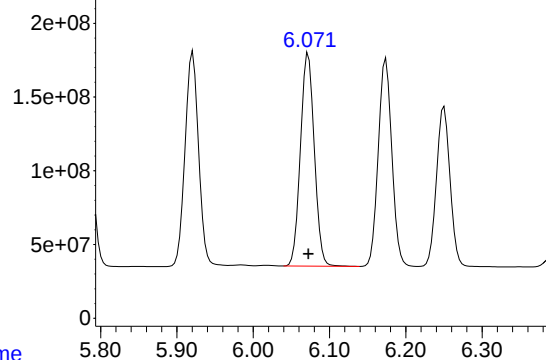


#15 Endosulfan II

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

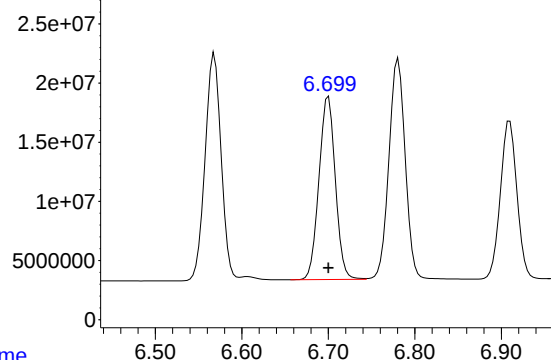
Time Response_ Signal: PD090652.D\ECD2B.ch



#15 Endosulfan II

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

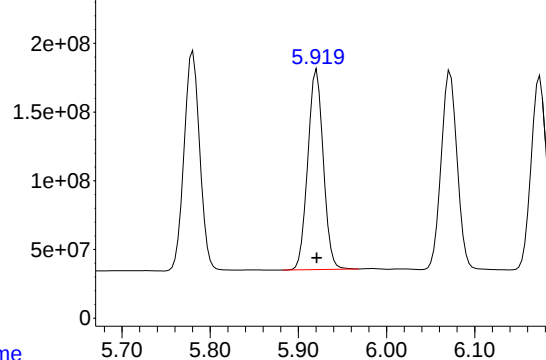
Time Response_ Signal: PD090652.D\ECD1A.ch



#16 4,4'-DDD

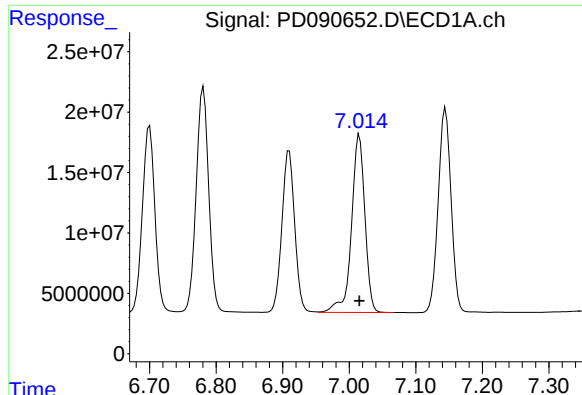
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 202773551
Conc: 50.00 ng/ml

Time Response_ Signal: PD090652.D\ECD2B.ch



#16 4,4'-DDD

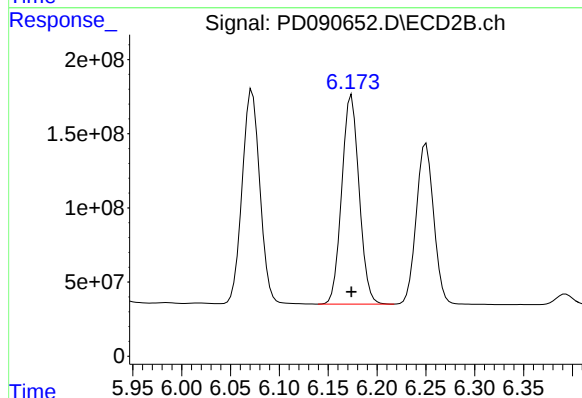
R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1778046885
Conc: 50.00 ng/ml



#17 4,4'-DDT

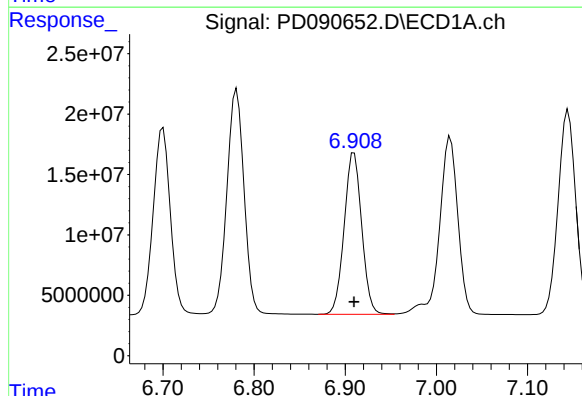
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 205896645
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



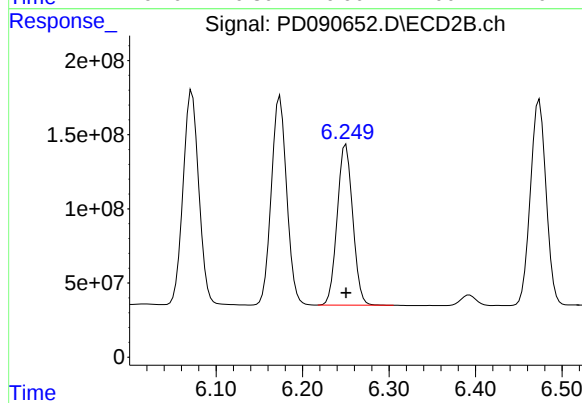
#17 4,4'-DDT

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



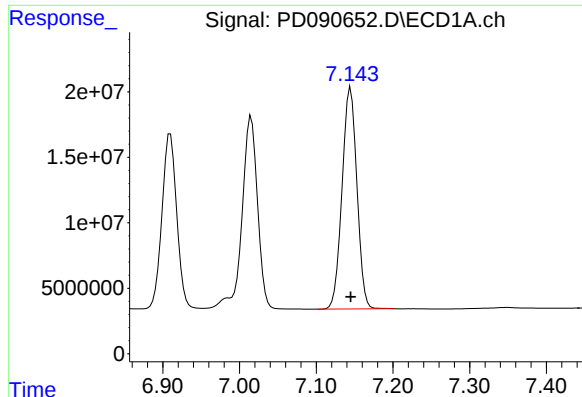
#18 Endrin aldehyde

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



#18 Endrin aldehyde

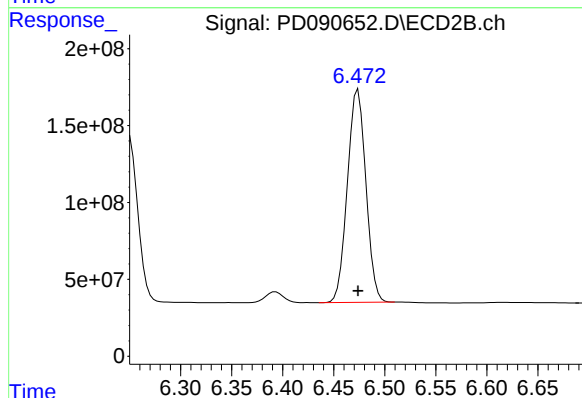
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1344655981
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

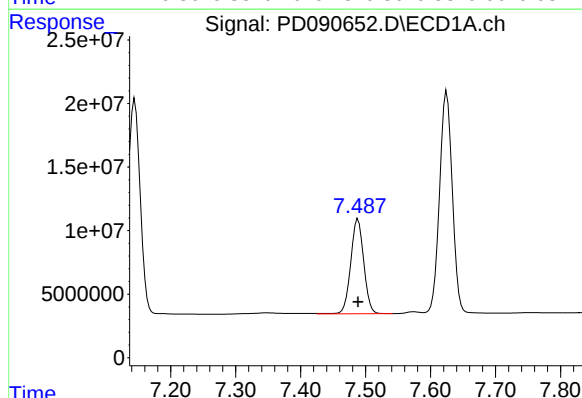
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 227808376
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



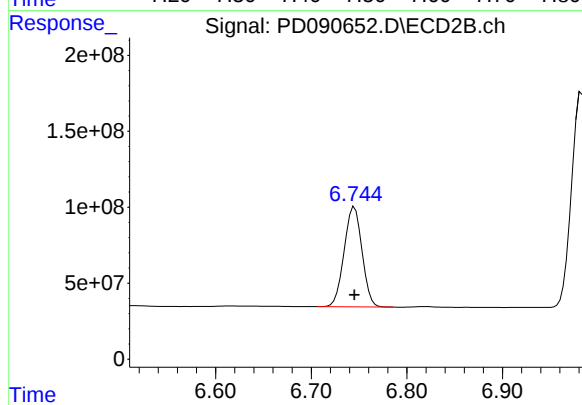
#19 Endosulfan Sulfate

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



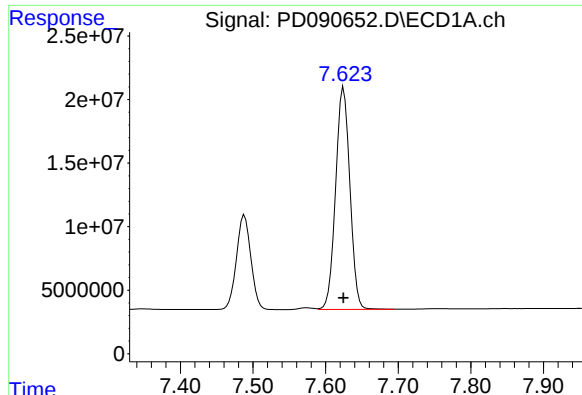
#20 Methoxychlor

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



#20 Methoxychlor

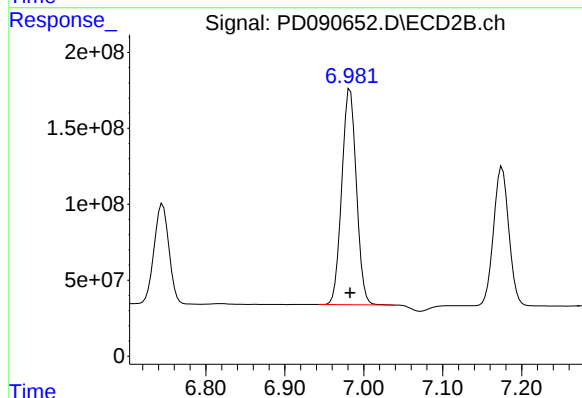
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 859946427
Conc: 50.00 ng/ml



#21 Endrin ketone

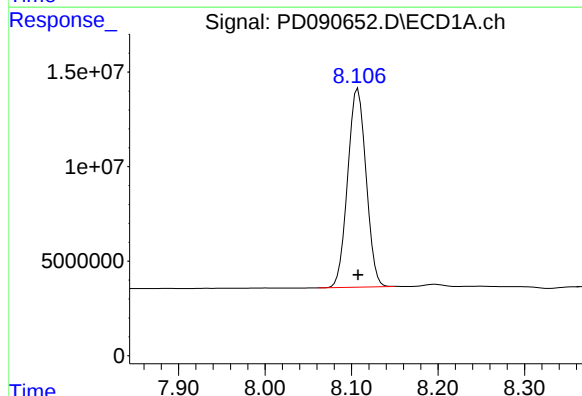
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 239116023
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



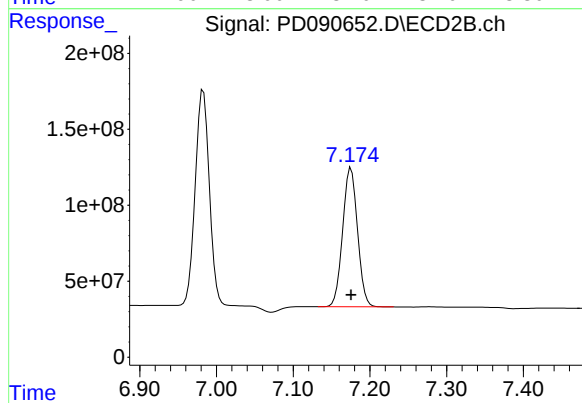
#21 Endrin ketone

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



#22 Mirex

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



#22 Mirex

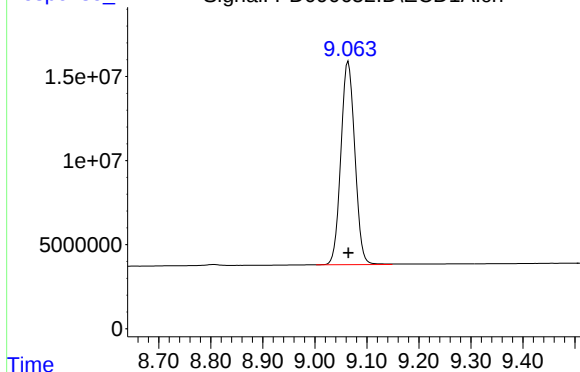
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1232028398
Conc: 50.00 ng/ml

Response_

Signal: PD090652.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



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

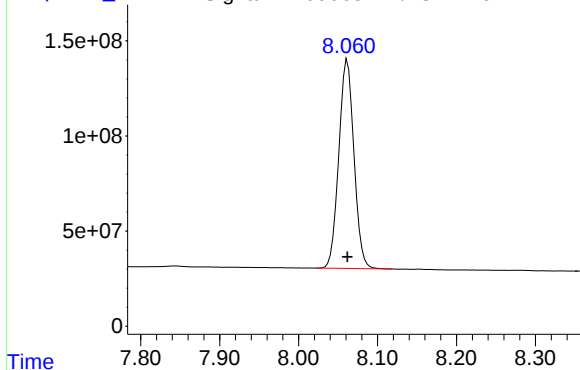
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#28 Decachlorobiphenyl



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

Time

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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

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

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

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

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

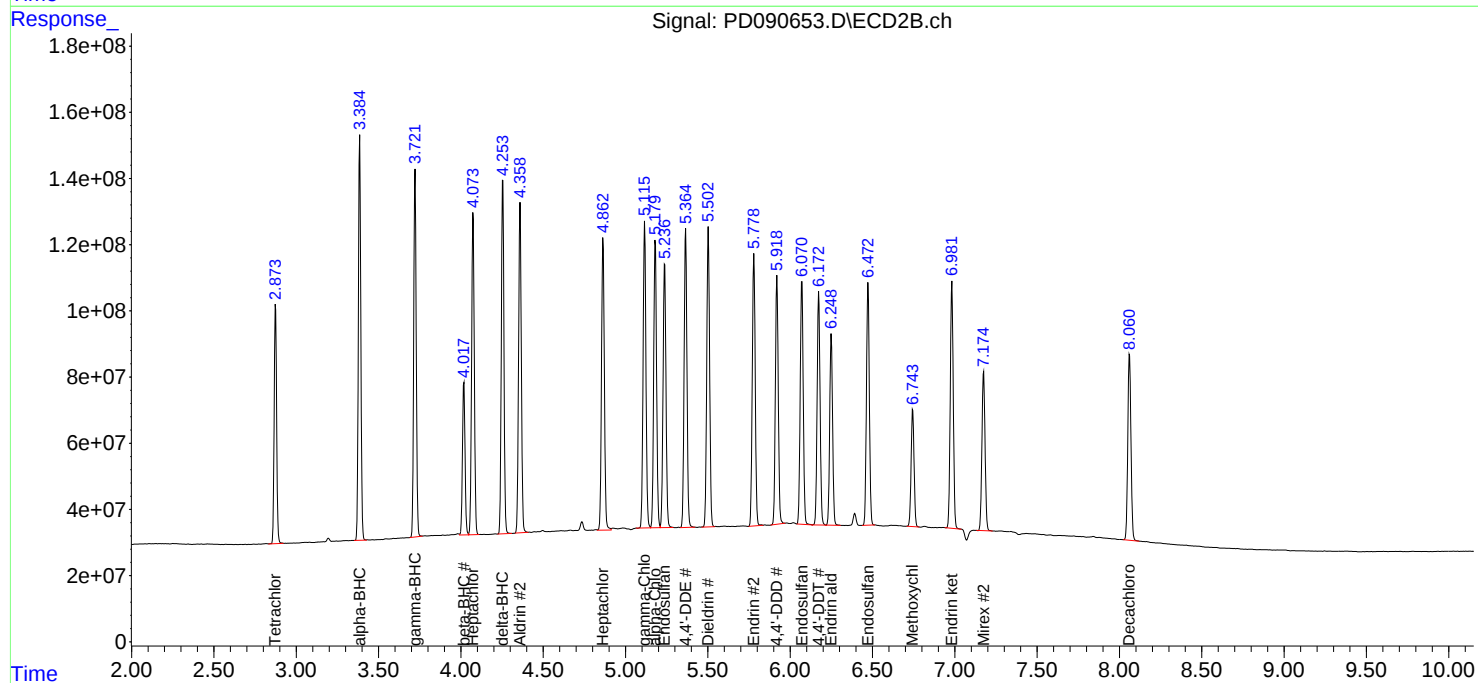
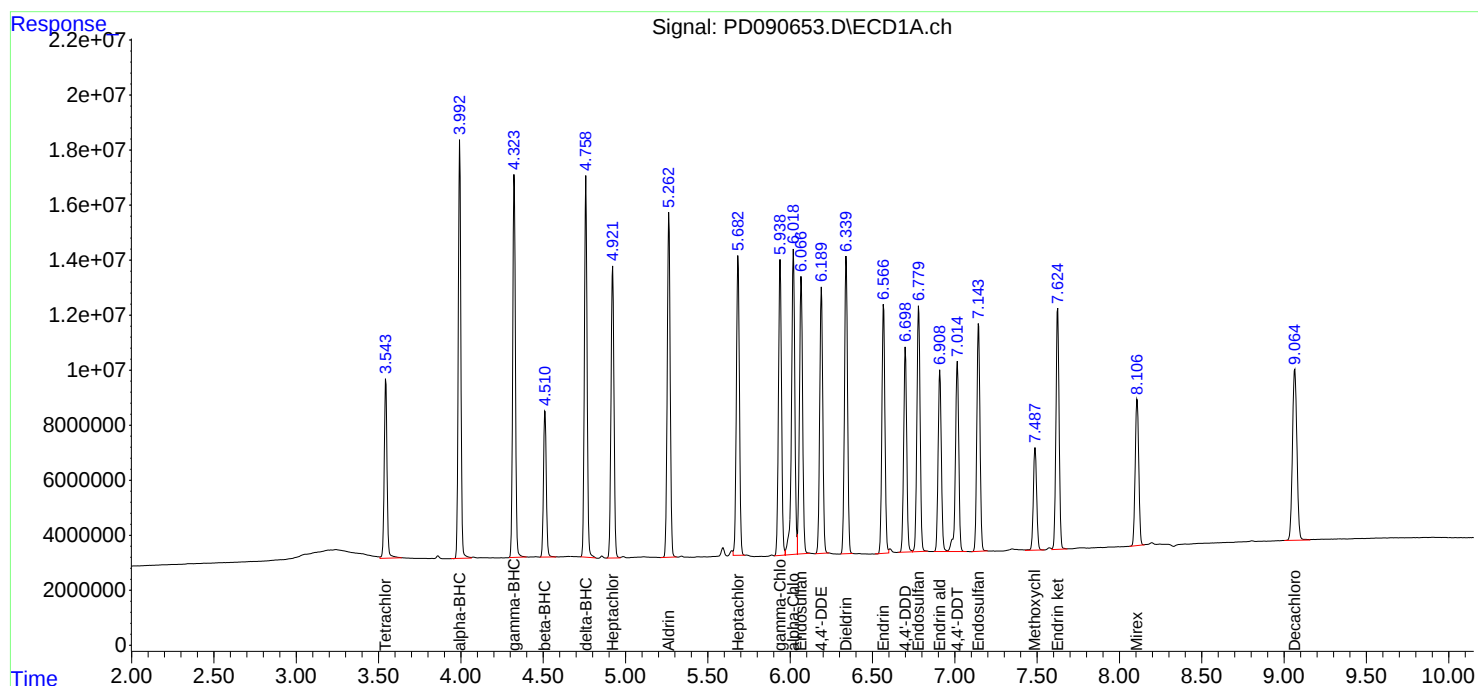
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

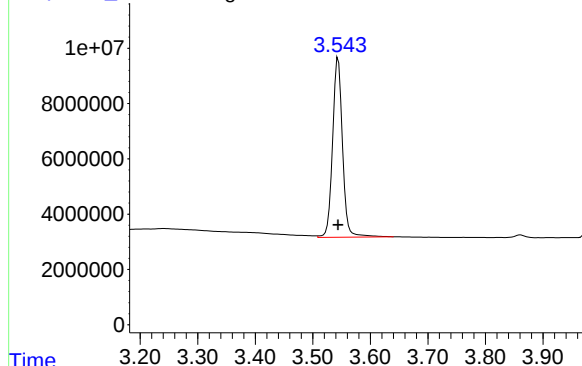
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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

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



Response_ Signal: PD090653.D\ECD1A.ch

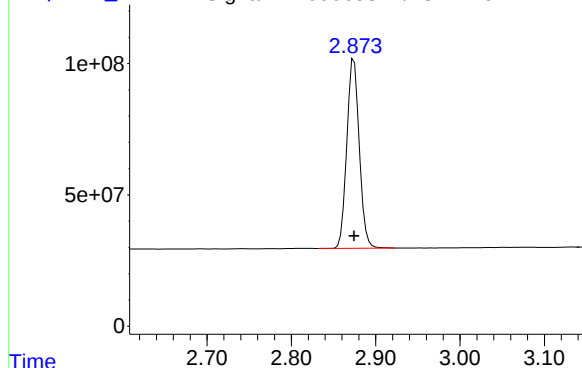


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

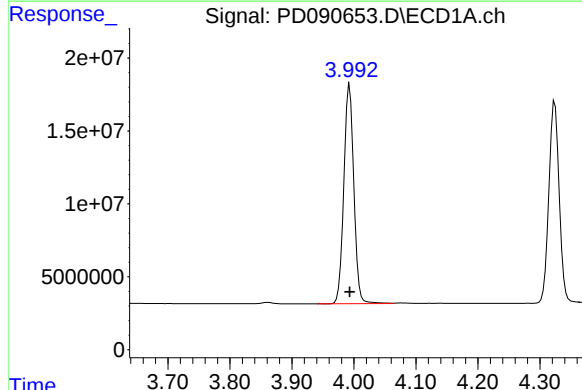
Response_ Signal: PD090653.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

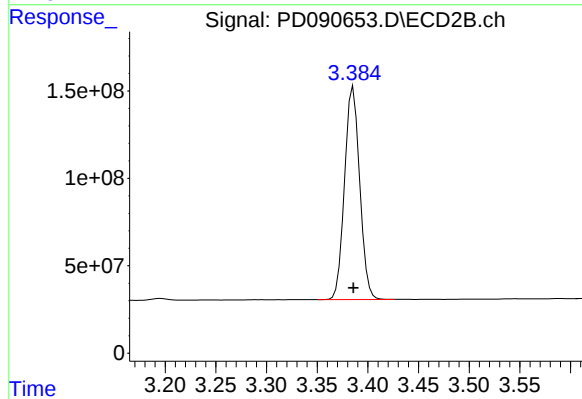
Response_ Signal: PD090653.D\ECD1A.ch



#2 alpha-BHC

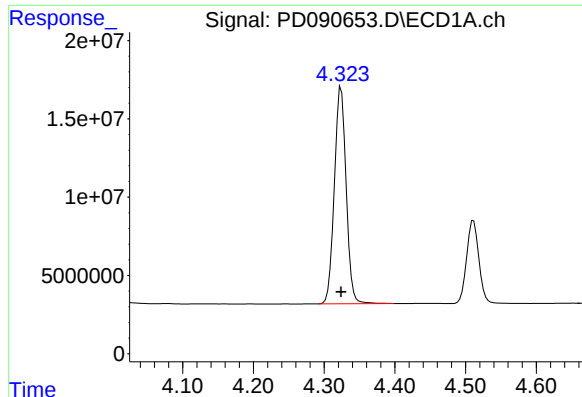
R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 168576733
Conc: 23.13 ng/ml

Response_ Signal: PD090653.D\ECD2B.ch



#2 alpha-BHC

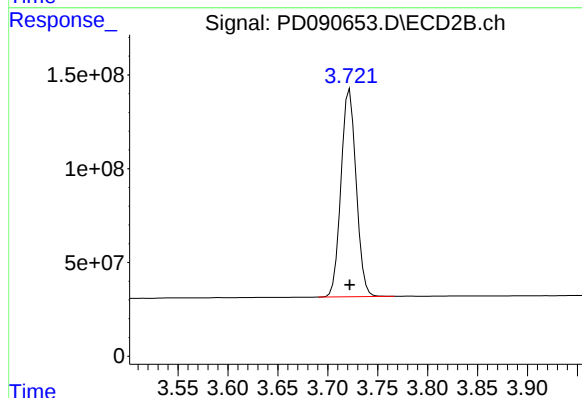
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 1262506307
Conc: 25.54 ng/ml



#3 gamma-BHC (Lindane)

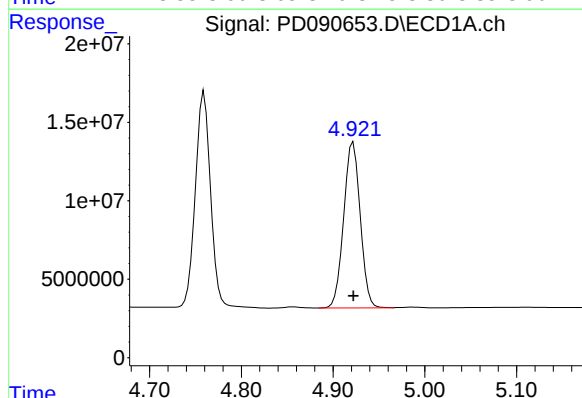
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 160449432
Conc: 23.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



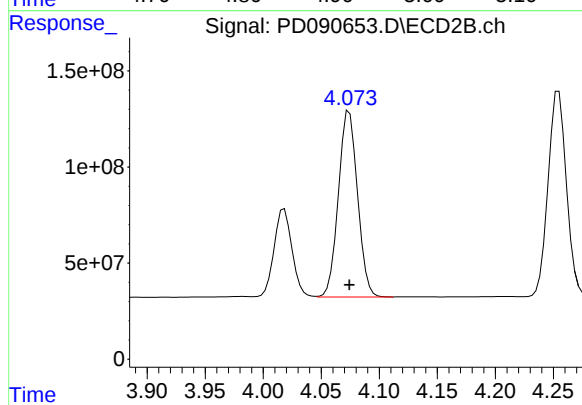
#3 gamma-BHC (Lindane)

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



#4 Heptachlor

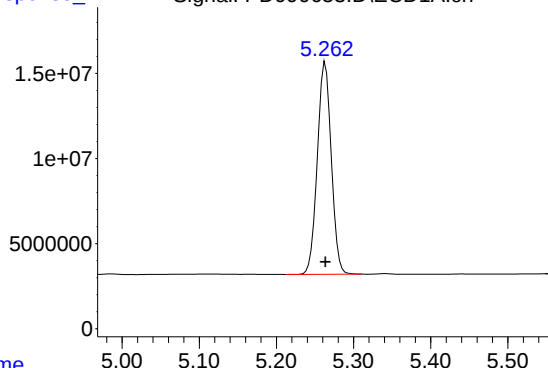
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 132221469
Conc: 23.83 ng/ml



#4 Heptachlor

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

Response_ Signal: PD090653.D\ECD1A.ch

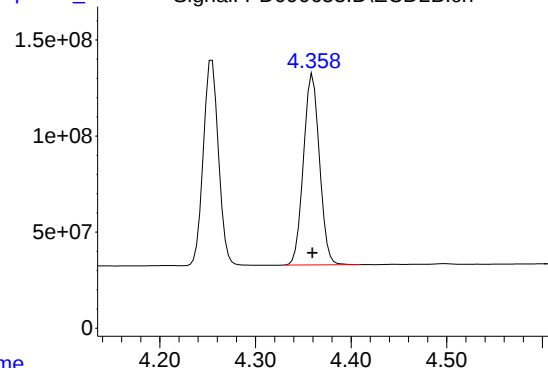


#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

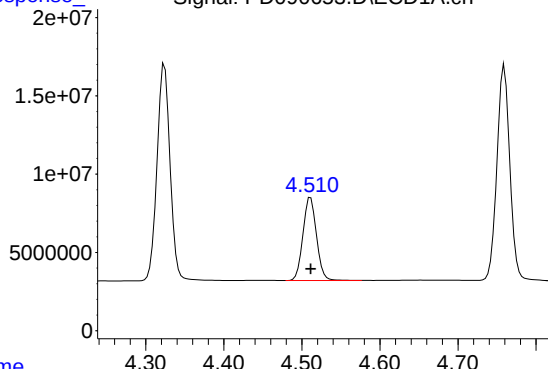
Time Response_ Signal: PD090653.D\ECD2B.ch



#5 Aldrin

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

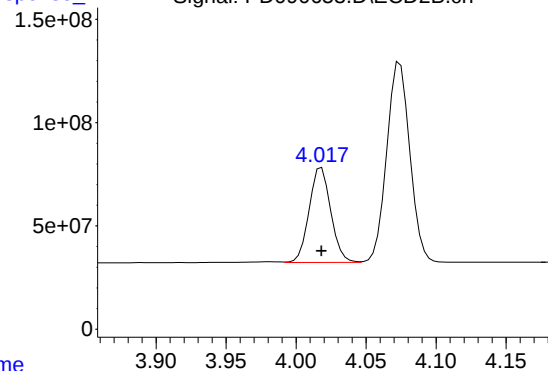
Time Response_ Signal: PD090653.D\ECD1A.ch



#6 beta-BHC

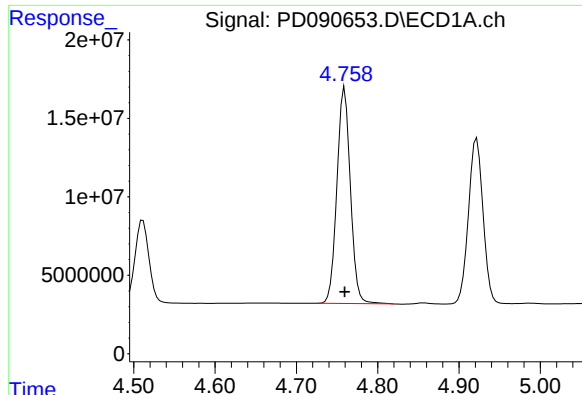
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 64015475
Conc: 25.34 ng/ml

Time Response_ Signal: PD090653.D\ECD2B.ch



#6 beta-BHC

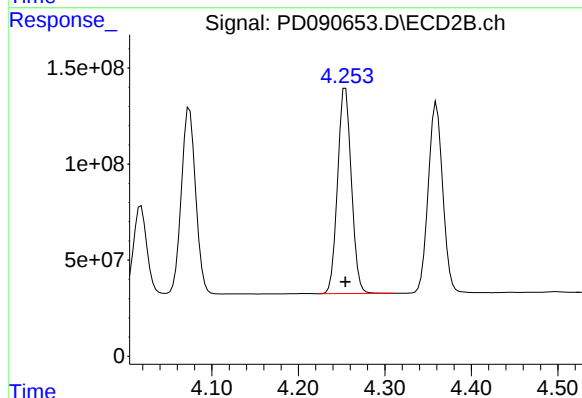
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 495101315
Conc: 26.21 ng/ml



#7 delta-BHC

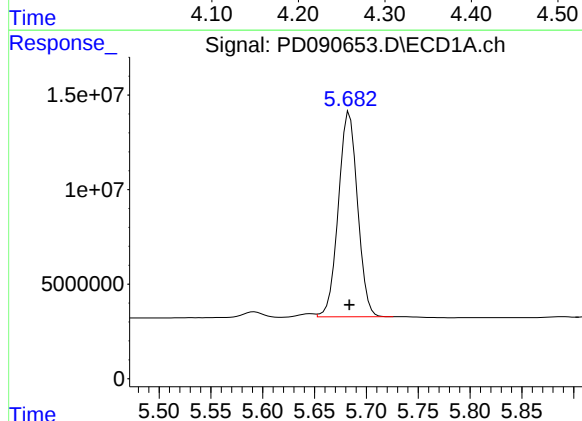
R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 158561347
Conc: 23.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



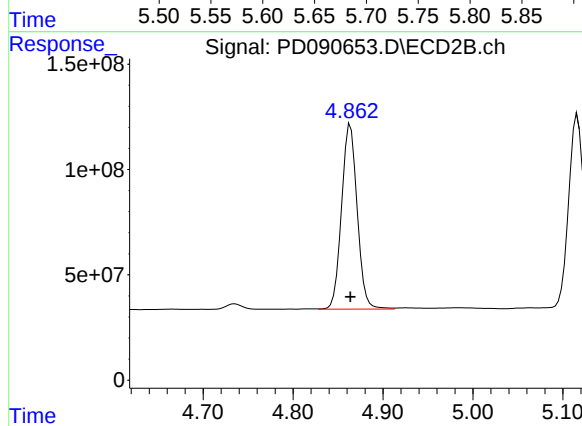
#7 delta-BHC

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



#8 Heptachlor epoxide

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



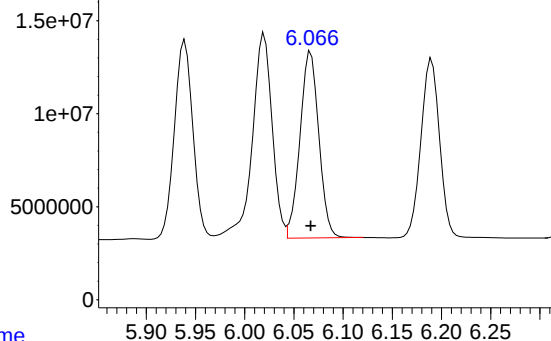
#8 Heptachlor epoxide

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

Response_

Signal: PD090653.D\ECD1A.ch

#9 Endosulfan I



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

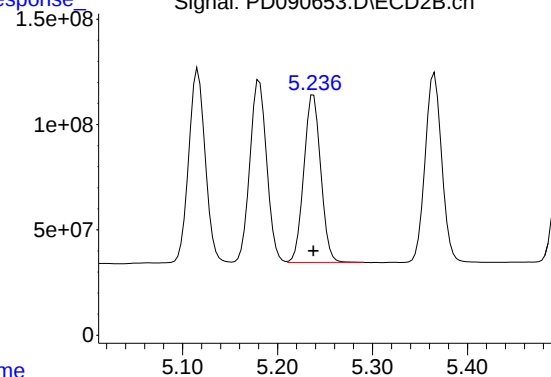
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response

Signal: PD090653.D\ECD2B.ch

#9 Endosulfan I



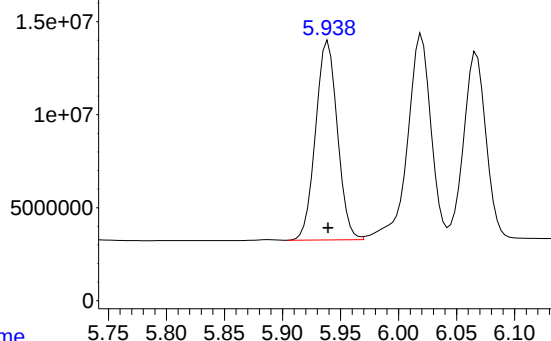
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 986966005
Conc: 26.32 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#10 gamma-Chlordane



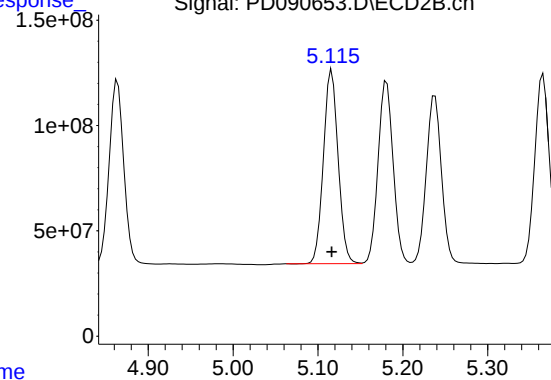
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 139816717
Conc: 23.99 ng/ml

Time

Response

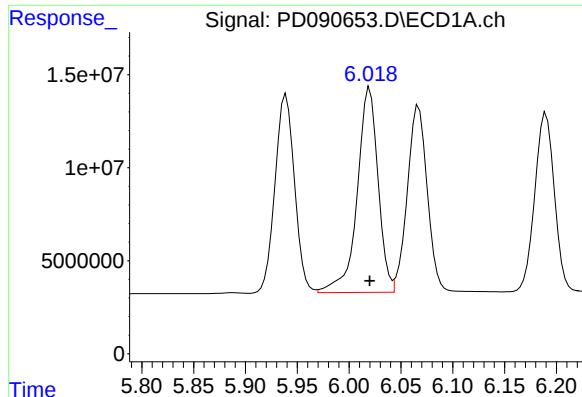
Signal: PD090653.D\ECD2B.ch

#10 gamma-Chlordane



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

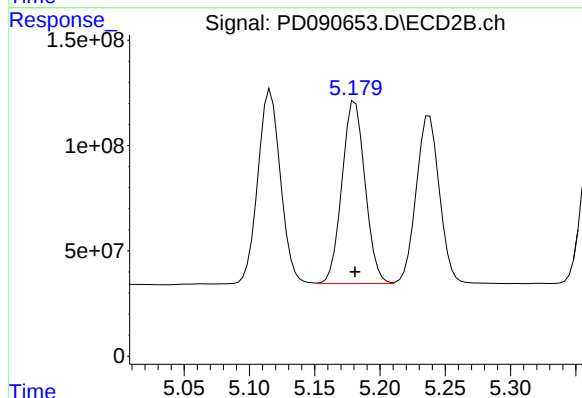
Time



#11 alpha-Chlordane

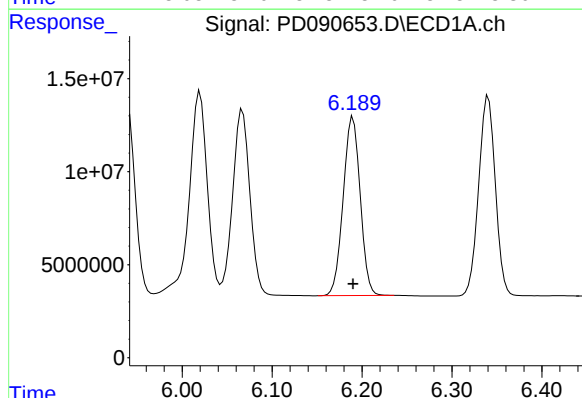
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 154261488
Conc: 25.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



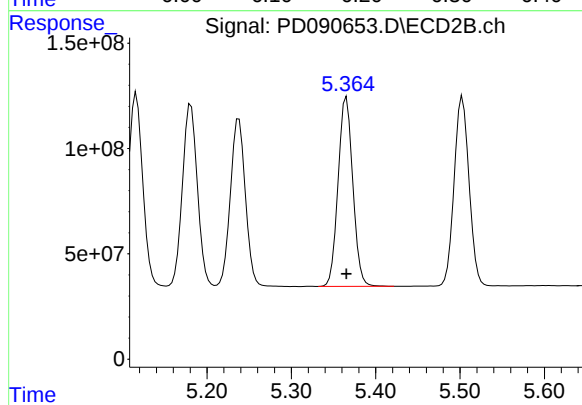
#11 alpha-Chlordane

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



#12 4,4'-DDE

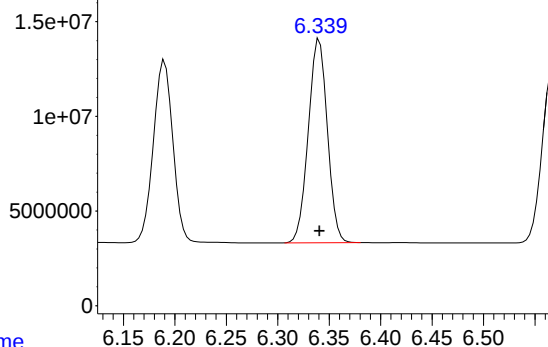
R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 126326499
Conc: 23.86 ng/ml



#12 4,4'-DDE

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

Response_ Signal: PD090653.D\ECD1A.ch

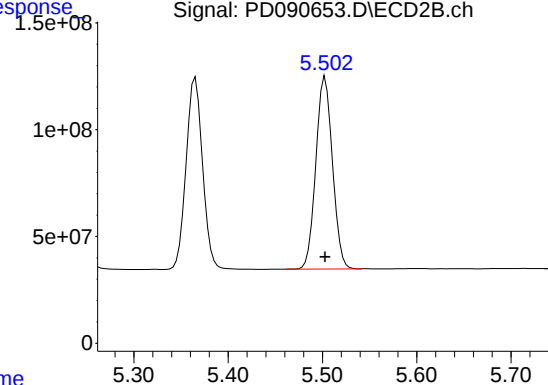


#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

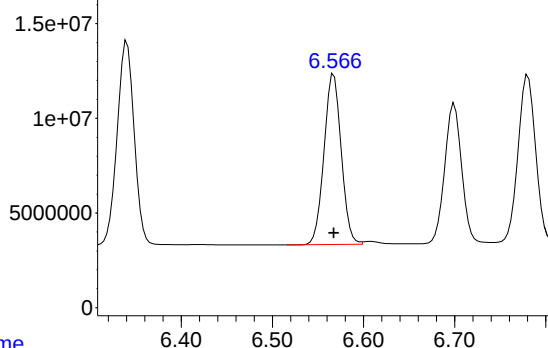
Time Response_ Signal: PD090653.D\ECD2B.ch



#13 Dieldrin

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

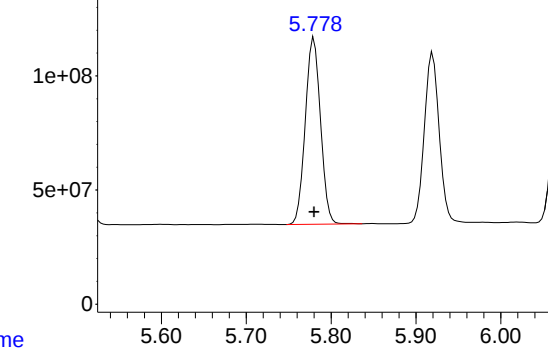
Time Response_ Signal: PD090653.D\ECD1A.ch



#14 Endrin

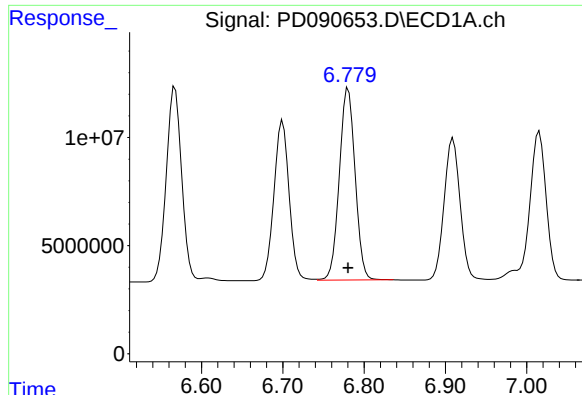
R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 117779573
Conc: 23.98 ng/ml

Time Response_ Signal: PD090653.D\ECD2B.ch



#14 Endrin

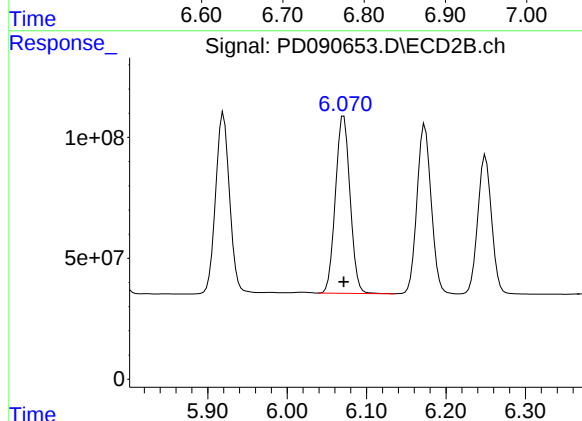
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1017324913
Conc: 26.28 ng/ml



#15 Endosulfan II

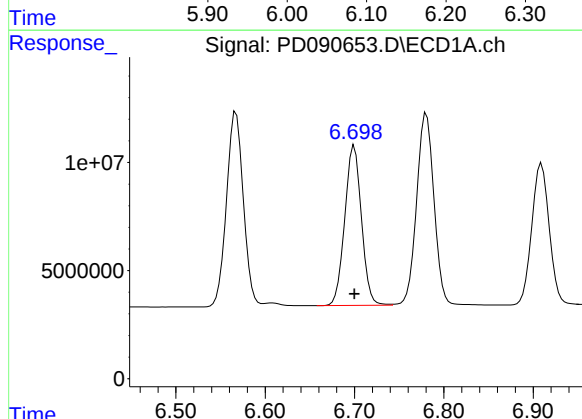
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 119743666
Conc: 24.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



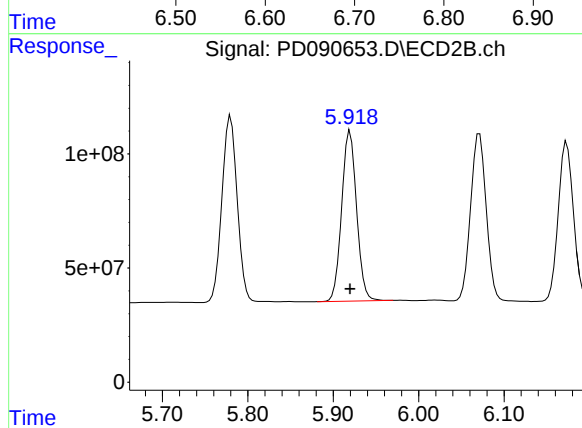
#15 Endosulfan II

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



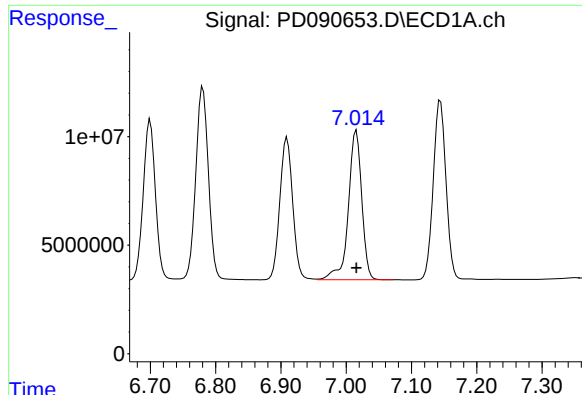
#16 4,4'-DDD

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



#16 4,4'-DDD

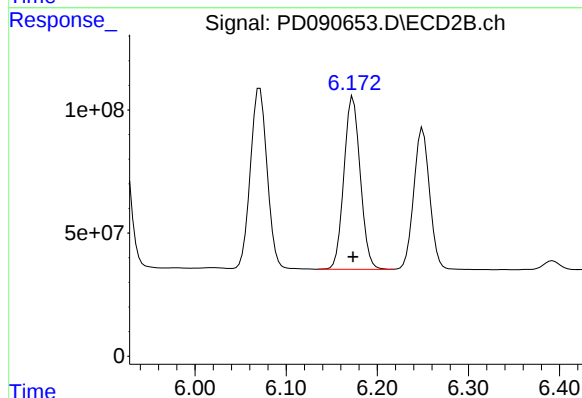
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 905938376
Conc: 25.92 ng/ml



#17 4,4'-DDT

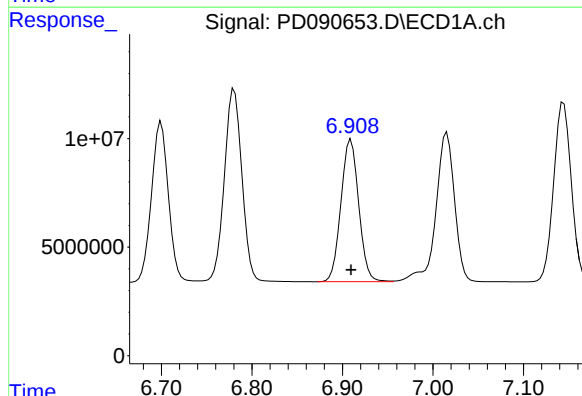
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 98197092
Conc: 23.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



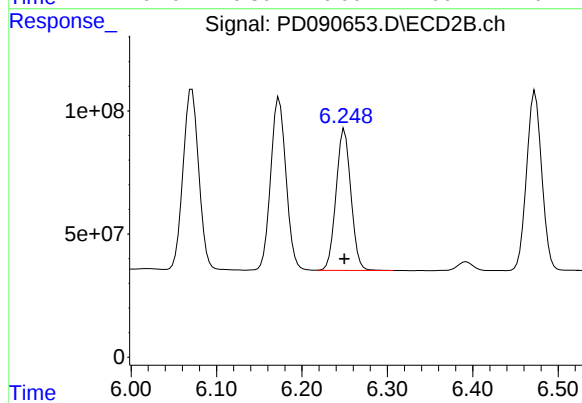
#17 4,4'-DDT

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



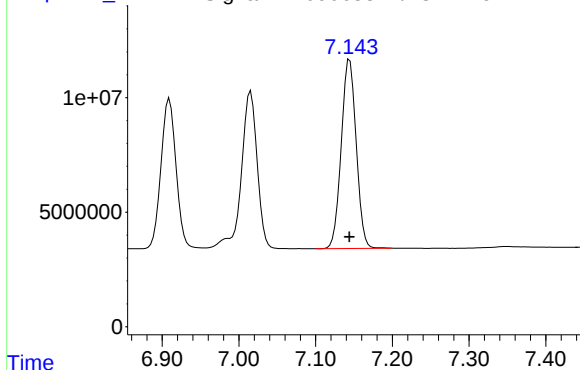
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



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

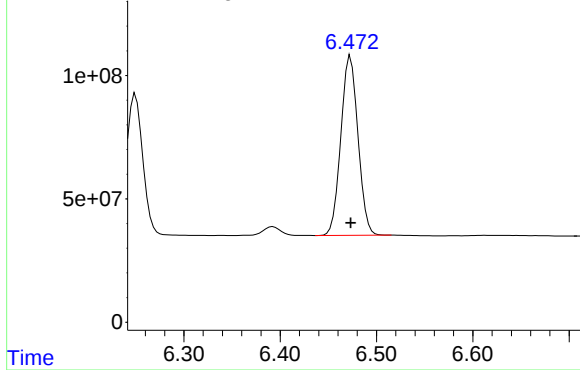
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#19 Endosulfan Sulfate



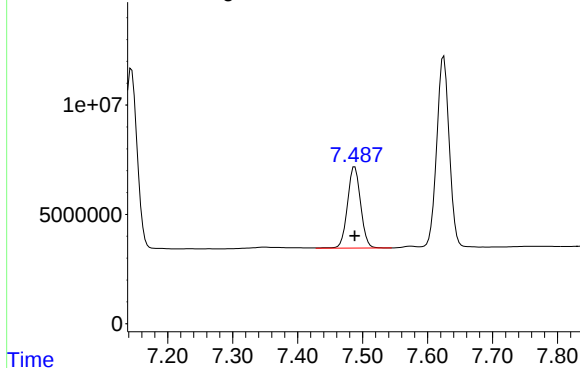
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 896525775
Conc: 26.11 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#20 Methoxychlor



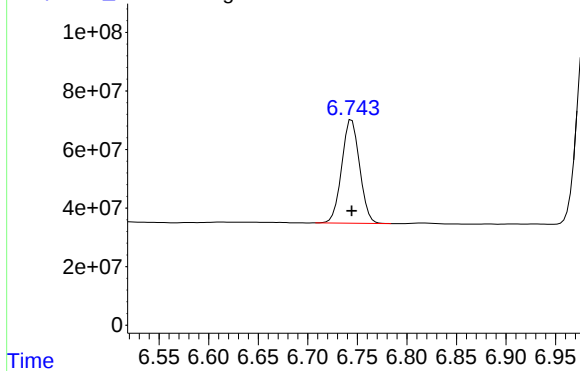
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 52364279
Conc: 25.42 ng/ml

Time

Response_

Signal: PD090653.D\ECD2B.ch

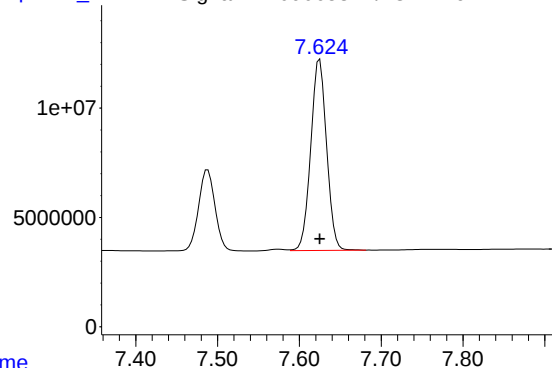
#20 Methoxychlor



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

Time

Response_ Signal: PD090653.D\ECD1A.ch

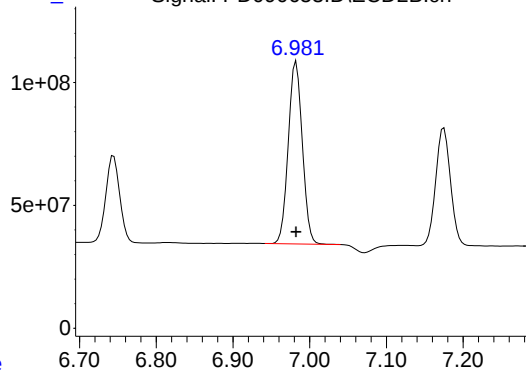


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

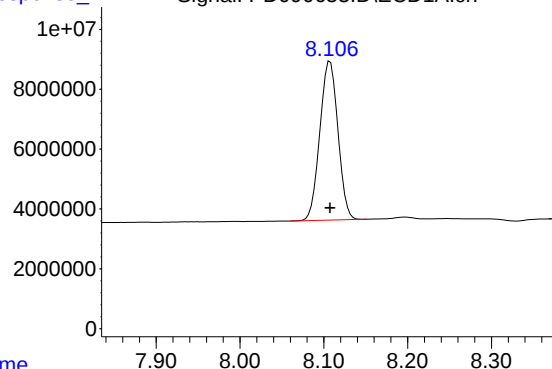
Time Response_ Signal: PD090653.D\ECD2B.ch



#21 Endrin ketone

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

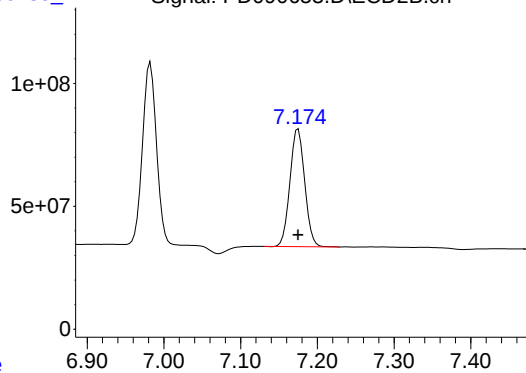
Time Response_ Signal: PD090653.D\ECD1A.ch



#22 Mirex

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

Time Response_ Signal: PD090653.D\ECD2B.ch



#22 Mirex

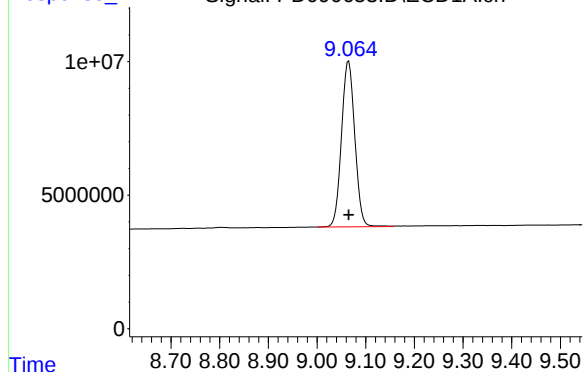
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 640790883
Conc: 26.34 ng/ml

Response_

Signal: PD090653.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



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

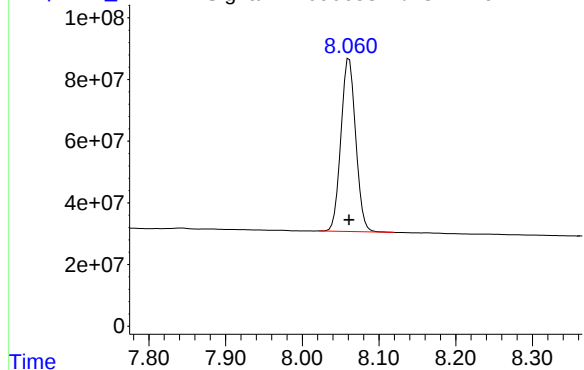
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#28 Decachlorobiphenyl



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

Time

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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

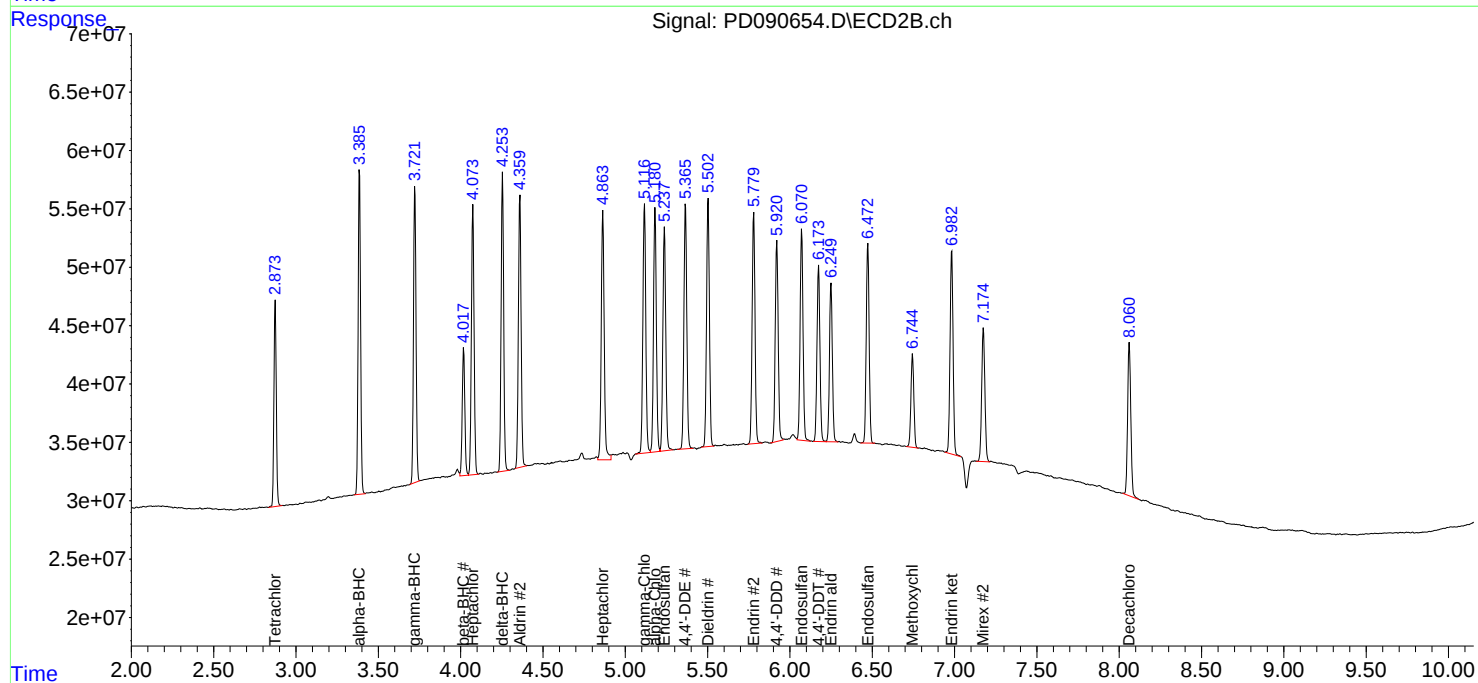
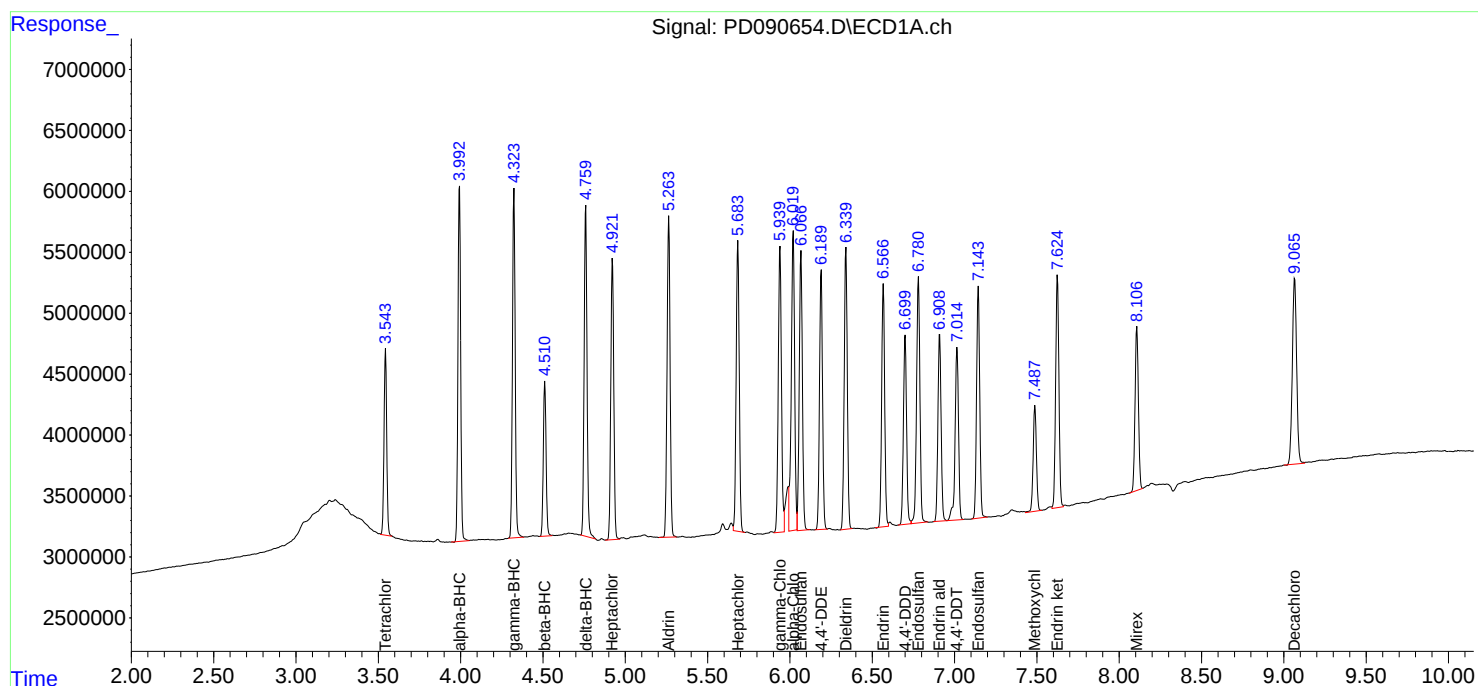
APPROVED

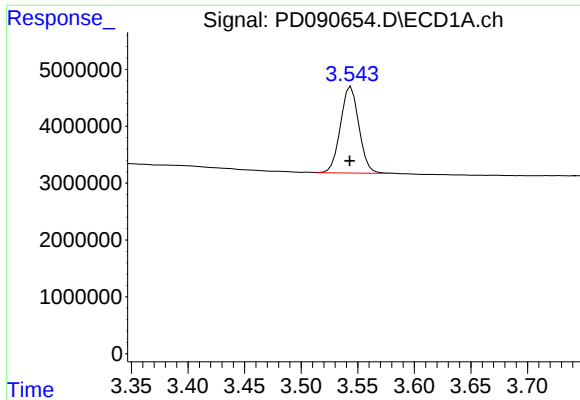
Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025

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

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





#1 Tetrachloro-m-xylene

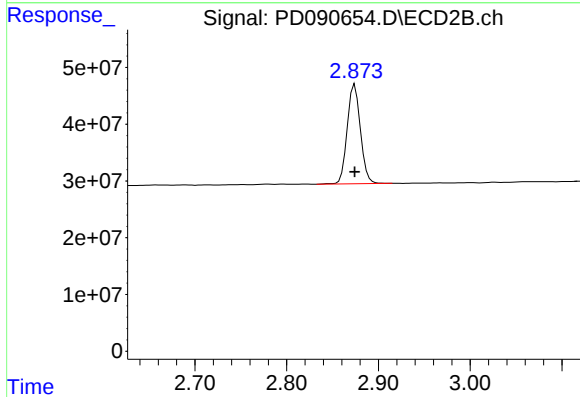
R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 17271955
Conc: 5.55 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

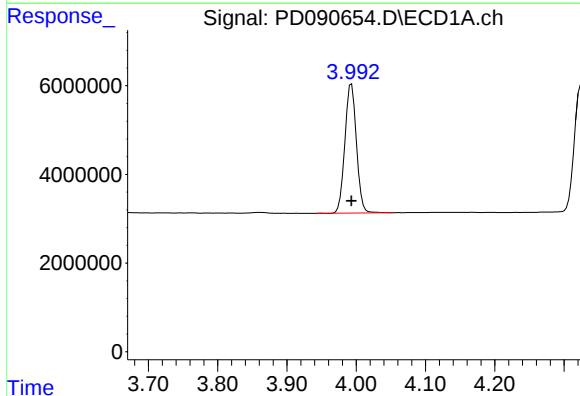
Manual Integrations
APPROVED

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



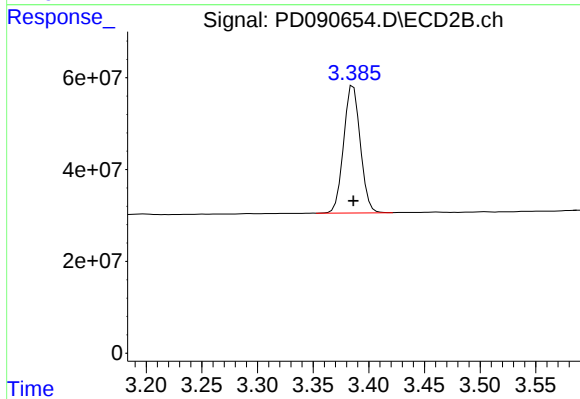
#1 Tetrachloro-m-xylene

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



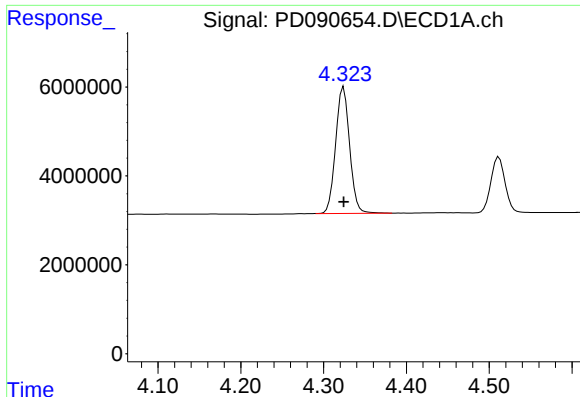
#2 alpha-BHC

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



#2 alpha-BHC

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



#3 gamma-BHC (Lindane)

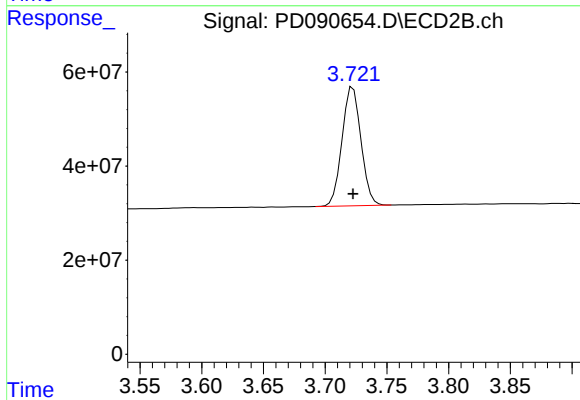
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 33423739
Conc: 4.92 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

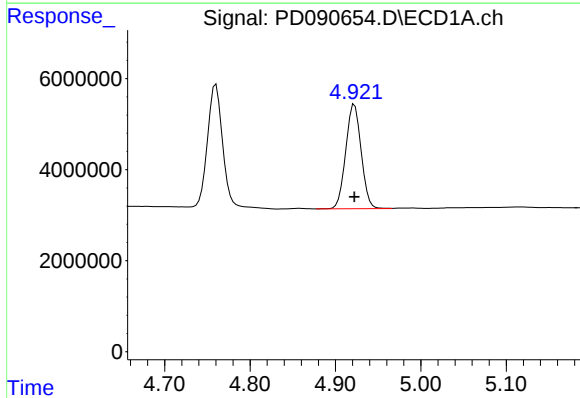
Manual Integrations
APPROVED

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



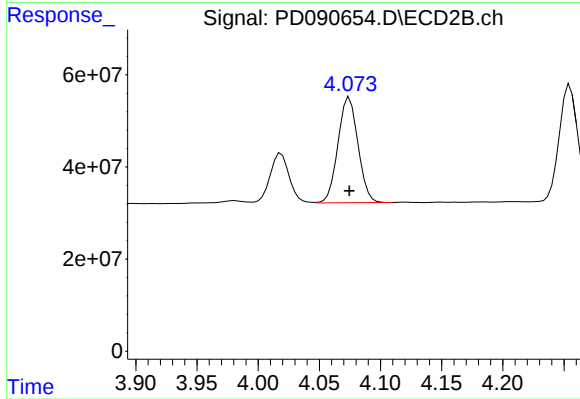
#3 gamma-BHC (Lindane)

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



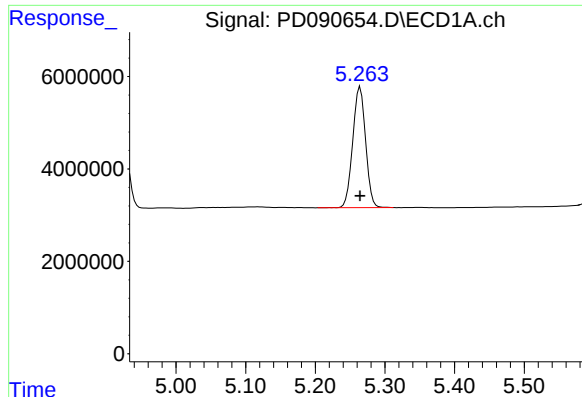
#4 Heptachlor

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



#4 Heptachlor

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



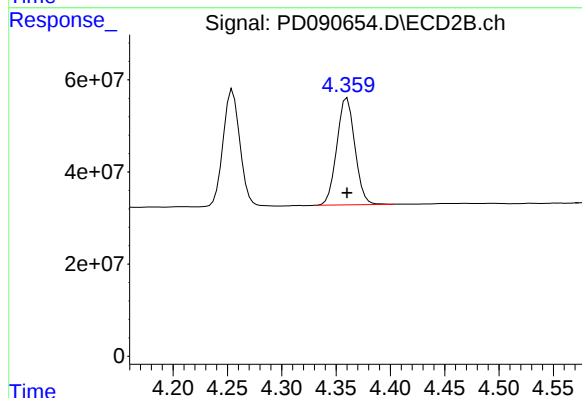
#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

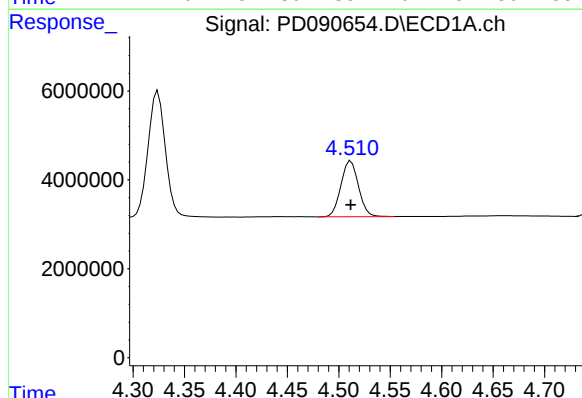
Manual Integrations
APPROVED

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



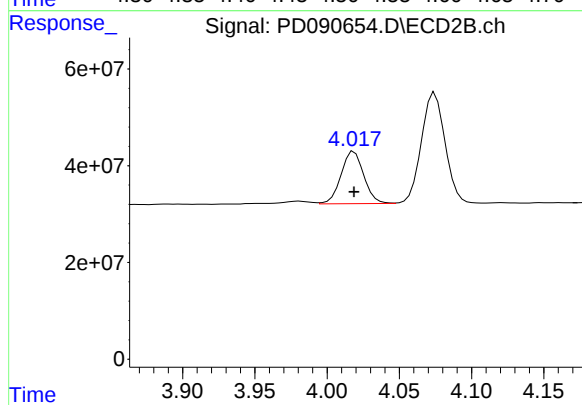
#5 Aldrin

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



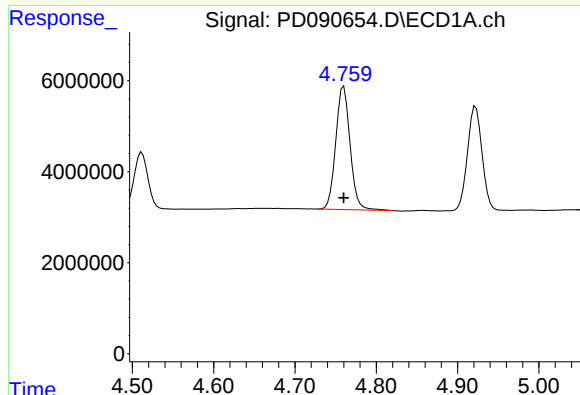
#6 beta-BHC

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



#6 beta-BHC

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



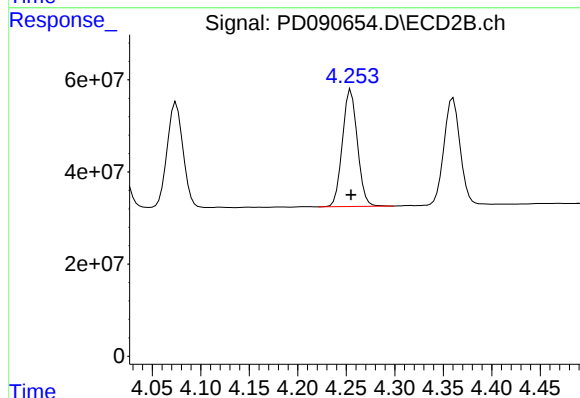
#7 delta-BHC

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

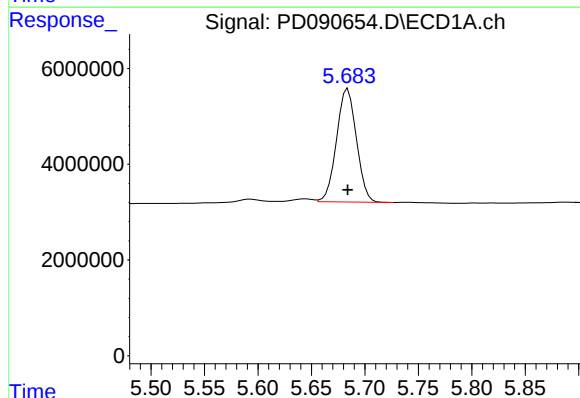
Manual Integrations
APPROVED

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



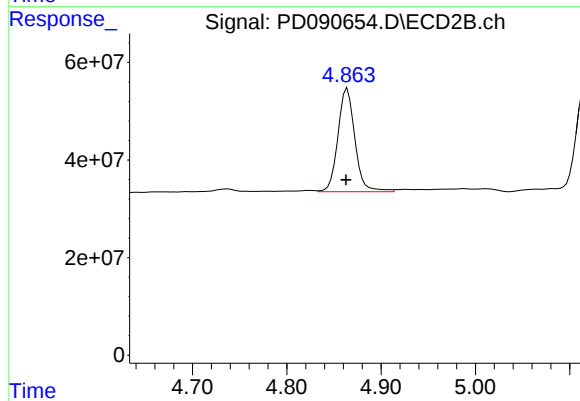
#7 delta-BHC

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



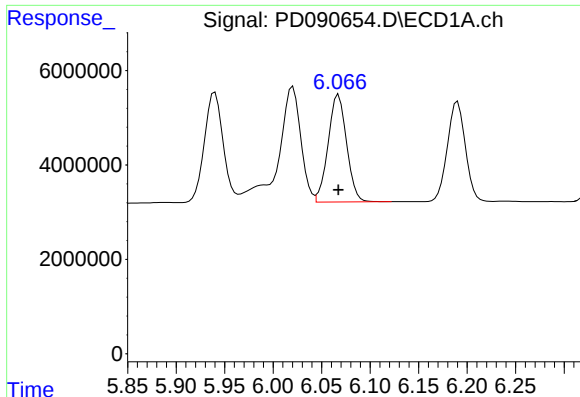
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



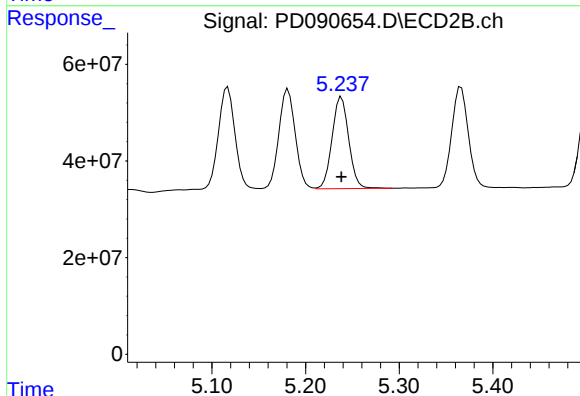
#9 Endosulfan I

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

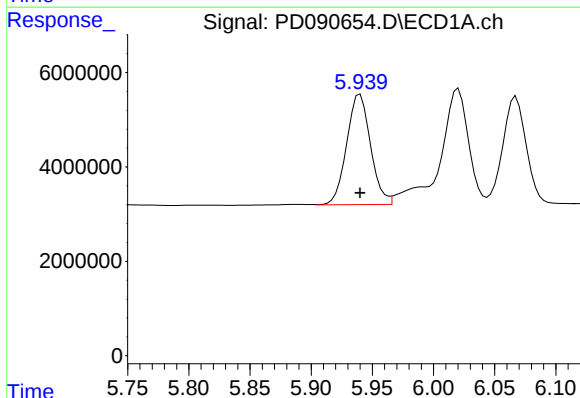
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



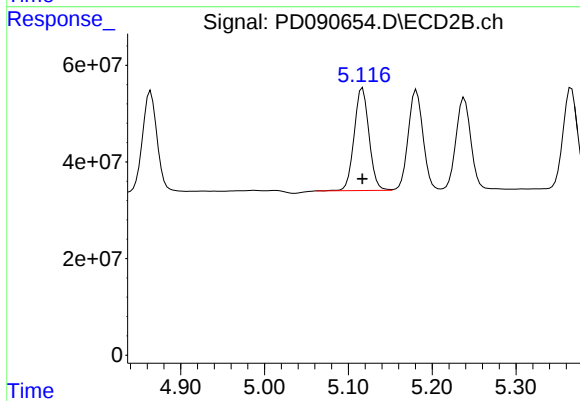
#9 Endosulfan I

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



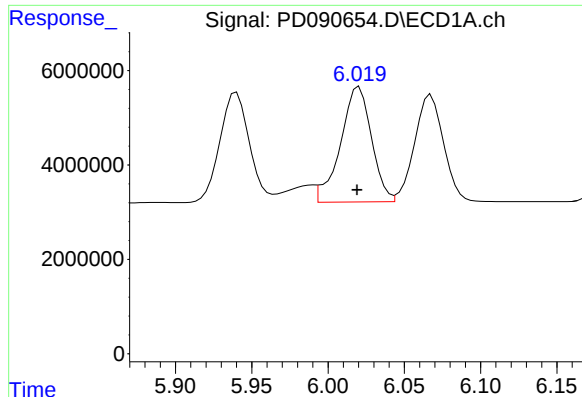
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



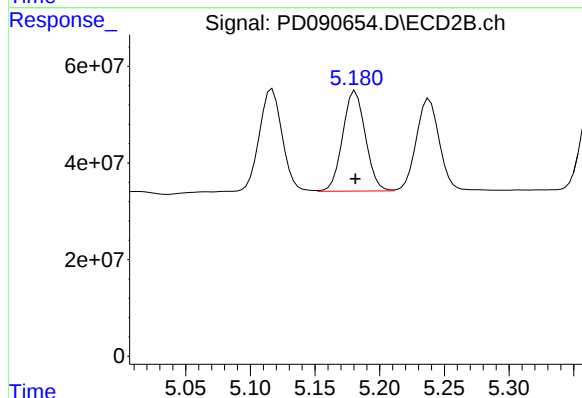
#11 alpha-Chlordane

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

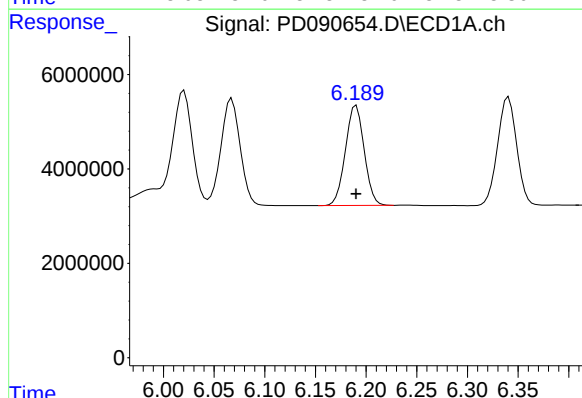
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/24/2025



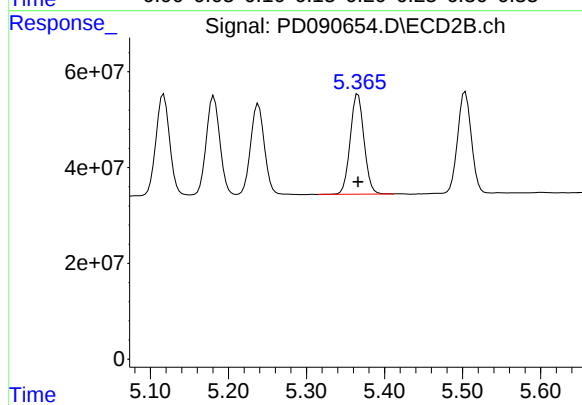
#11 alpha-Chlordane

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



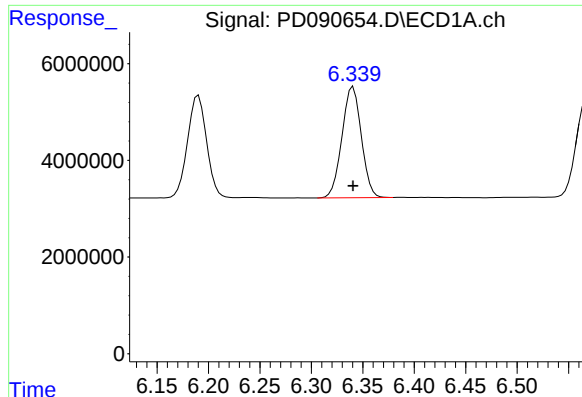
#12 4,4'-DDE

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



#12 4,4'-DDE

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



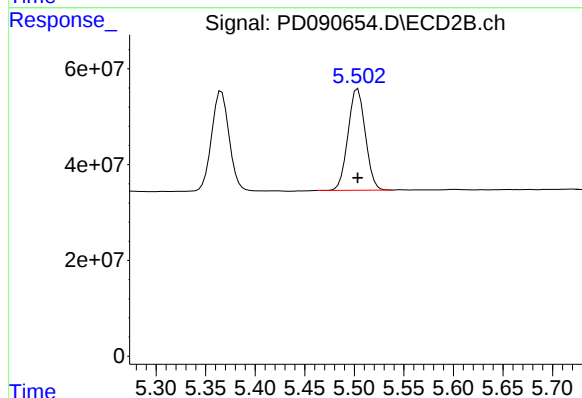
#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

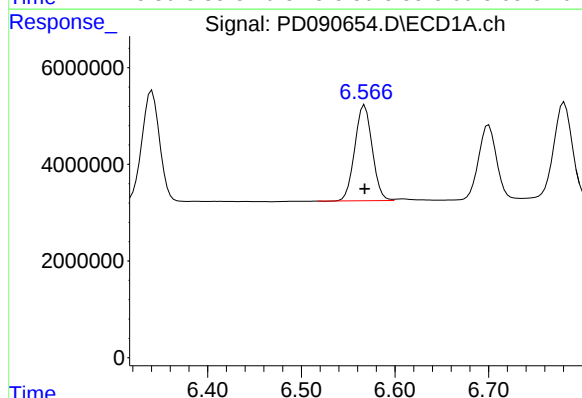
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



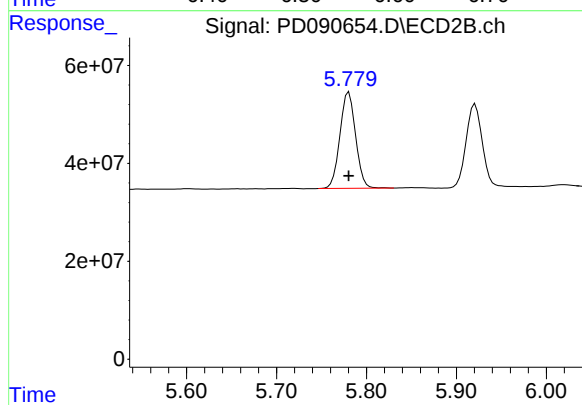
#13 Dieldrin

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



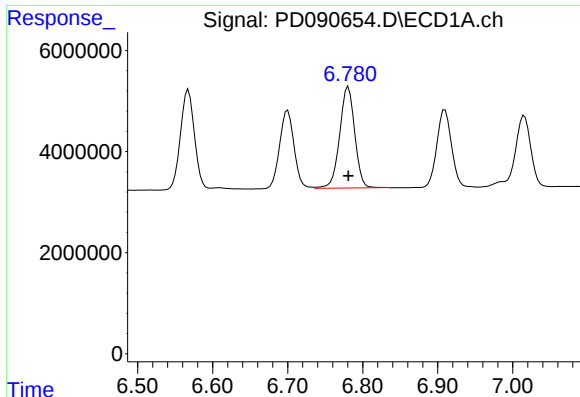
#14 Endrin

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



#14 Endrin

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



#15 Endosulfan II

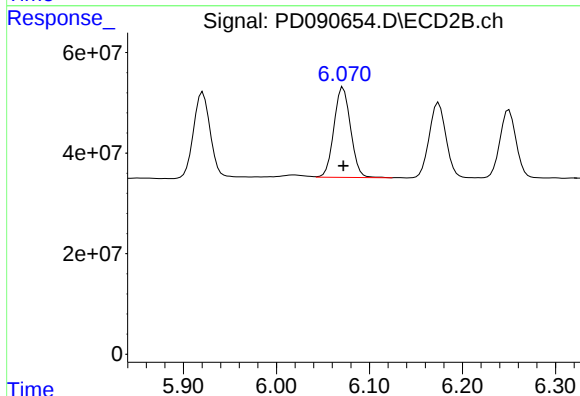
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 28078989
Conc: 5.62 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

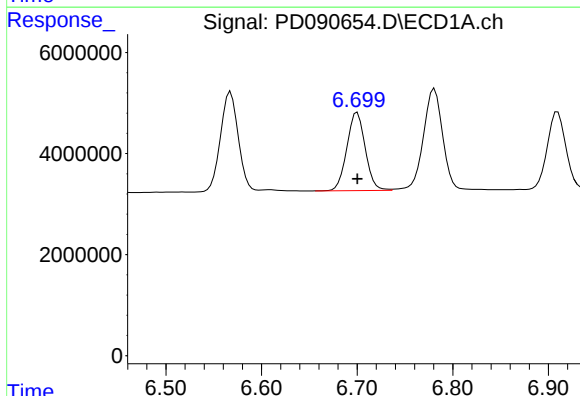
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



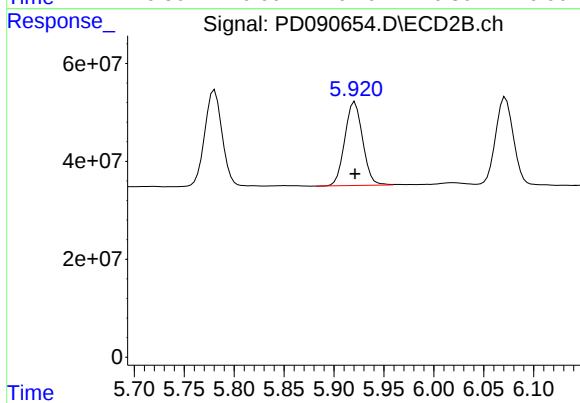
#15 Endosulfan II

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



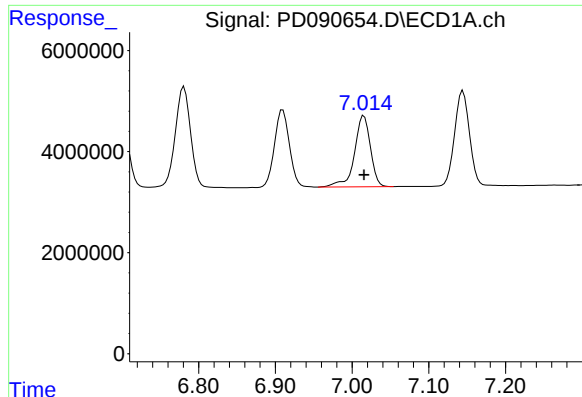
#16 4,4'-DDD

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



#16 4,4'-DDD

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



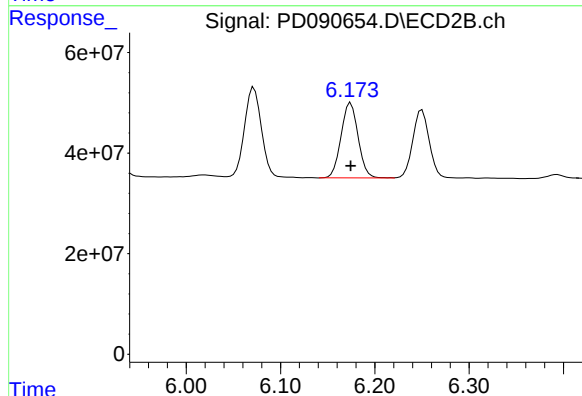
#17 4,4'-DDT

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

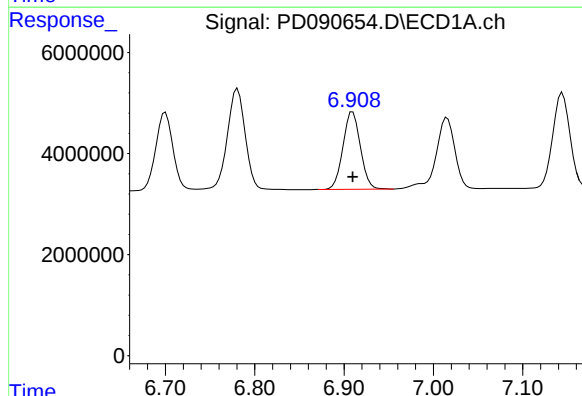
Manual Integrations
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Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



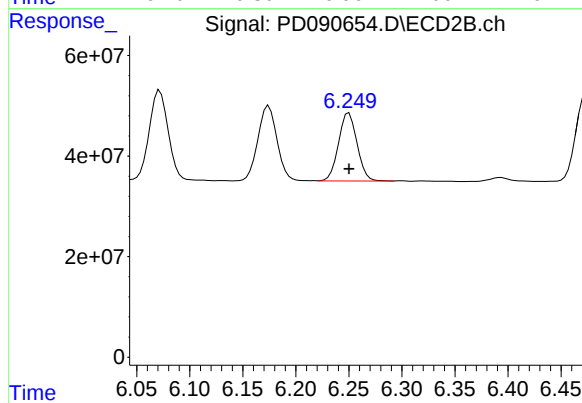
#17 4,4'-DDT

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



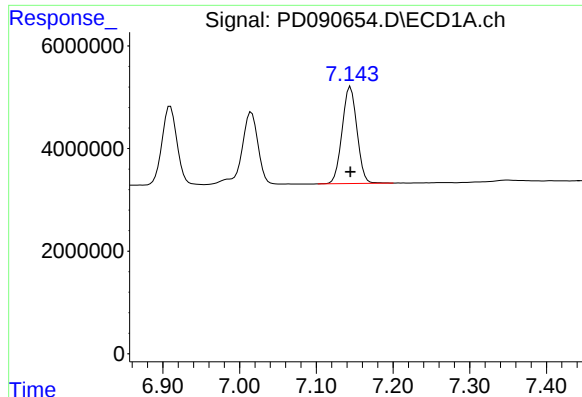
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



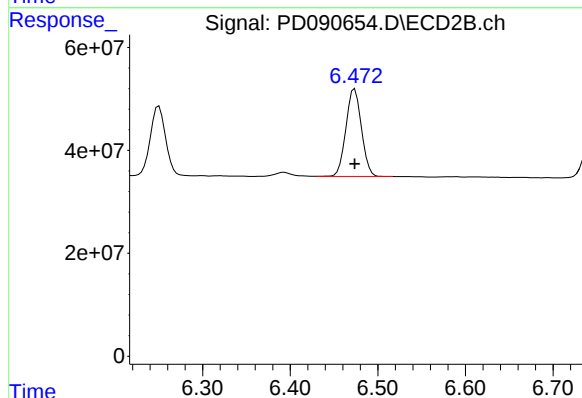
#19 Endosulfan Sulfate

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

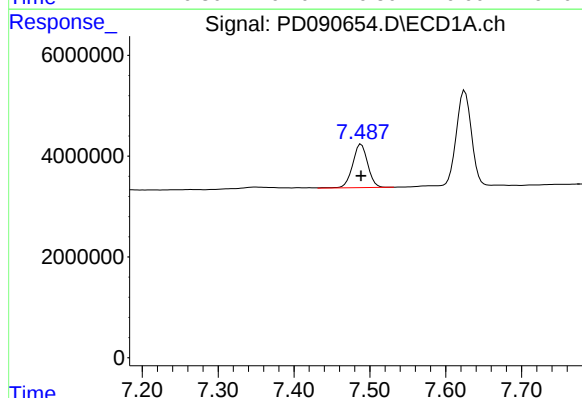
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



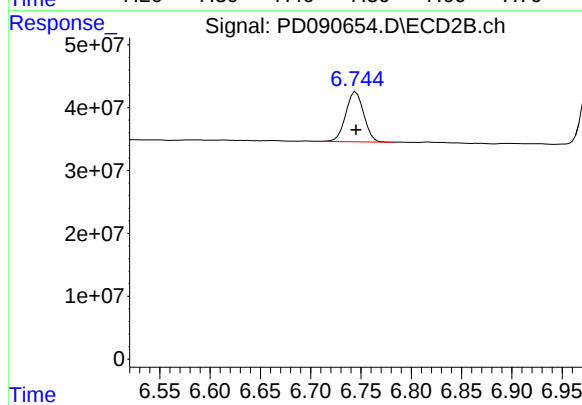
#19 Endosulfan Sulfate

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



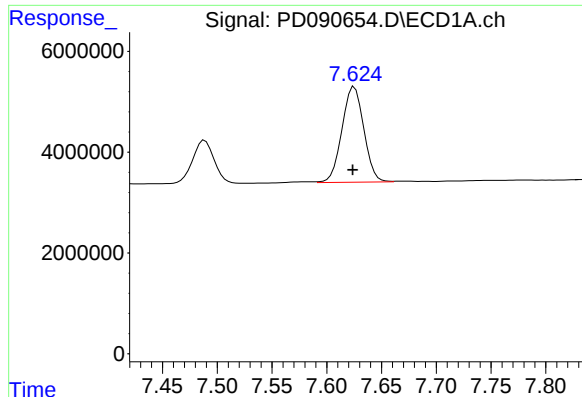
#20 Methoxychlor

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



#20 Methoxychlor

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



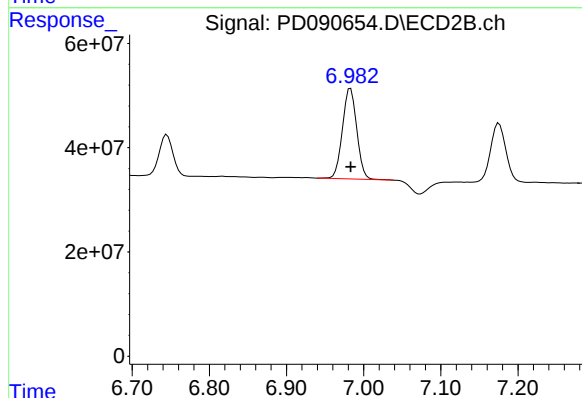
#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

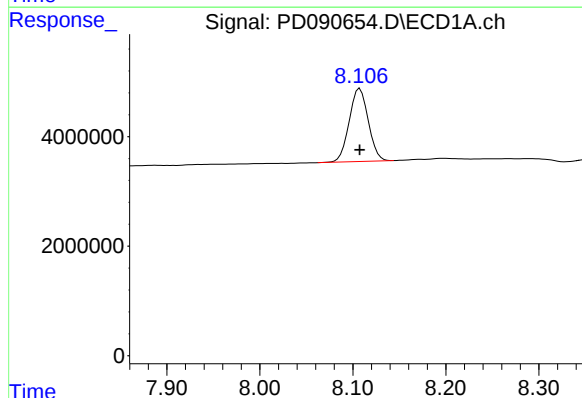
Manual Integrations
APPROVED

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



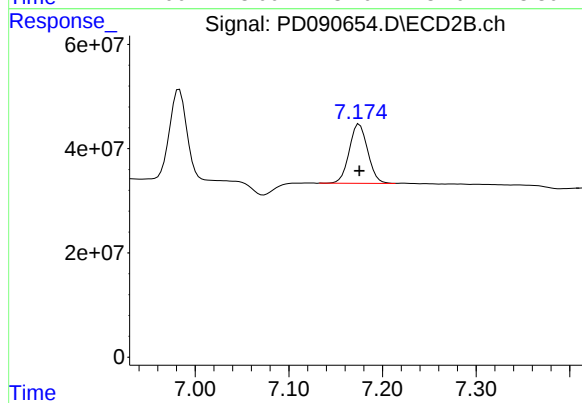
#21 Endrin ketone

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



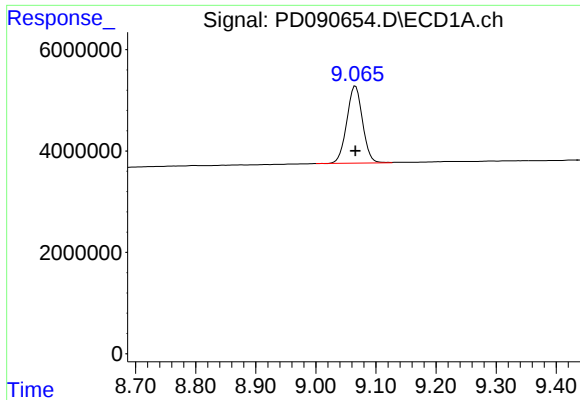
#22 Mirex

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



#22 Mirex

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



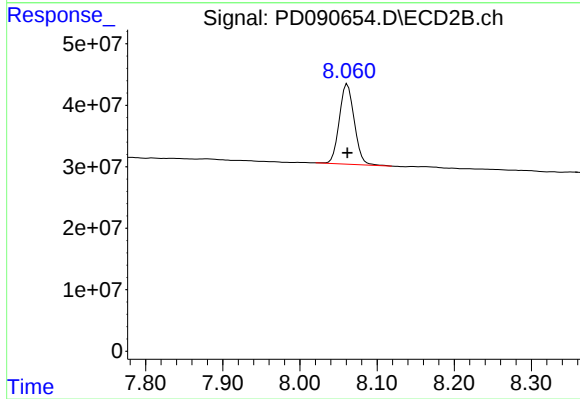
#28 Decachlorobiphenyl

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.874	108.8E6	1215.0E6	50.000	50.000
28)	SA Decachlor...	9.066	8.062	167.8E6	1105.6E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.708	3.898	92608674	605.2E6	500.000	500.000
24)	Chlordane-2	5.235	4.479	92865500	631.9E6	500.000	500.000
25)	Chlordane-3	5.941	5.117	379.1E6	1885.9E6	500.000	500.000
26)	Chlordane-4	6.026	5.181	458.8E6	1625.9E6	500.000	500.000
27)	Chlordane-5	6.865	6.081	74238996	730.3E6	500.000	500.000

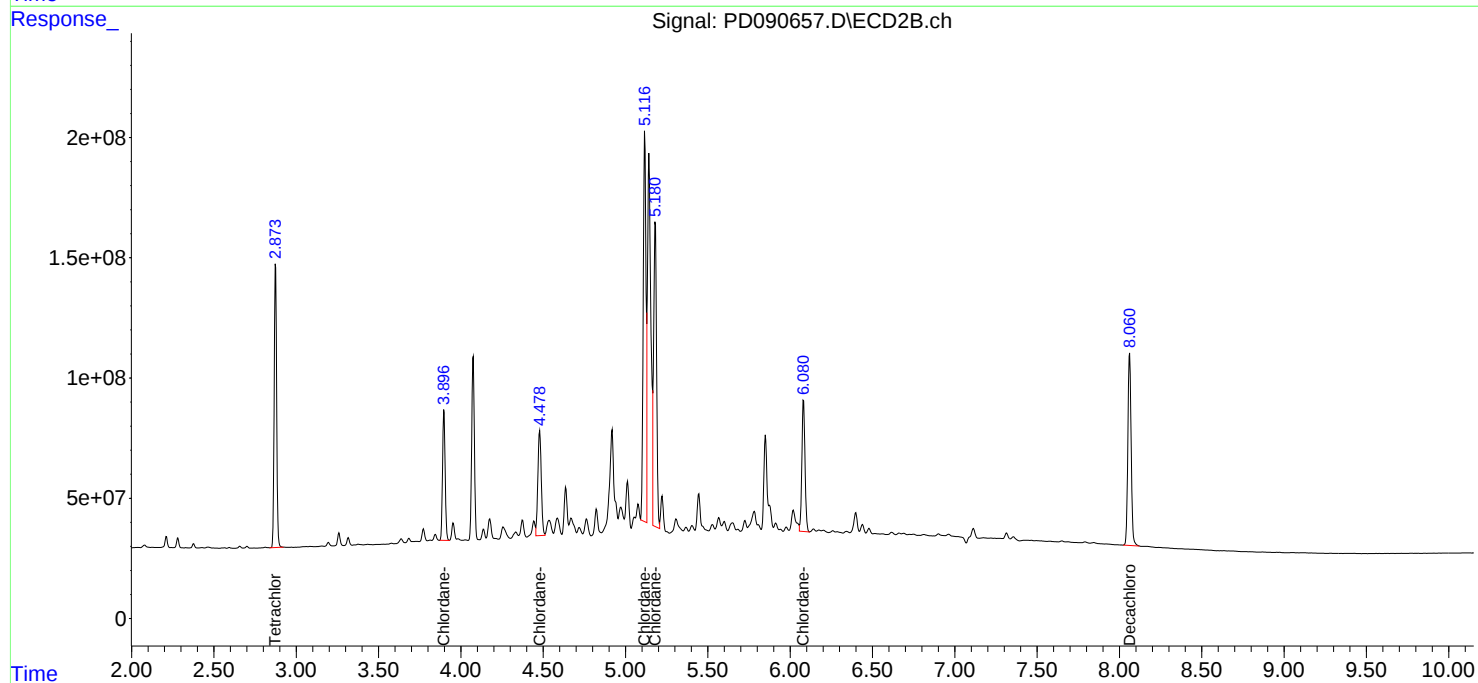
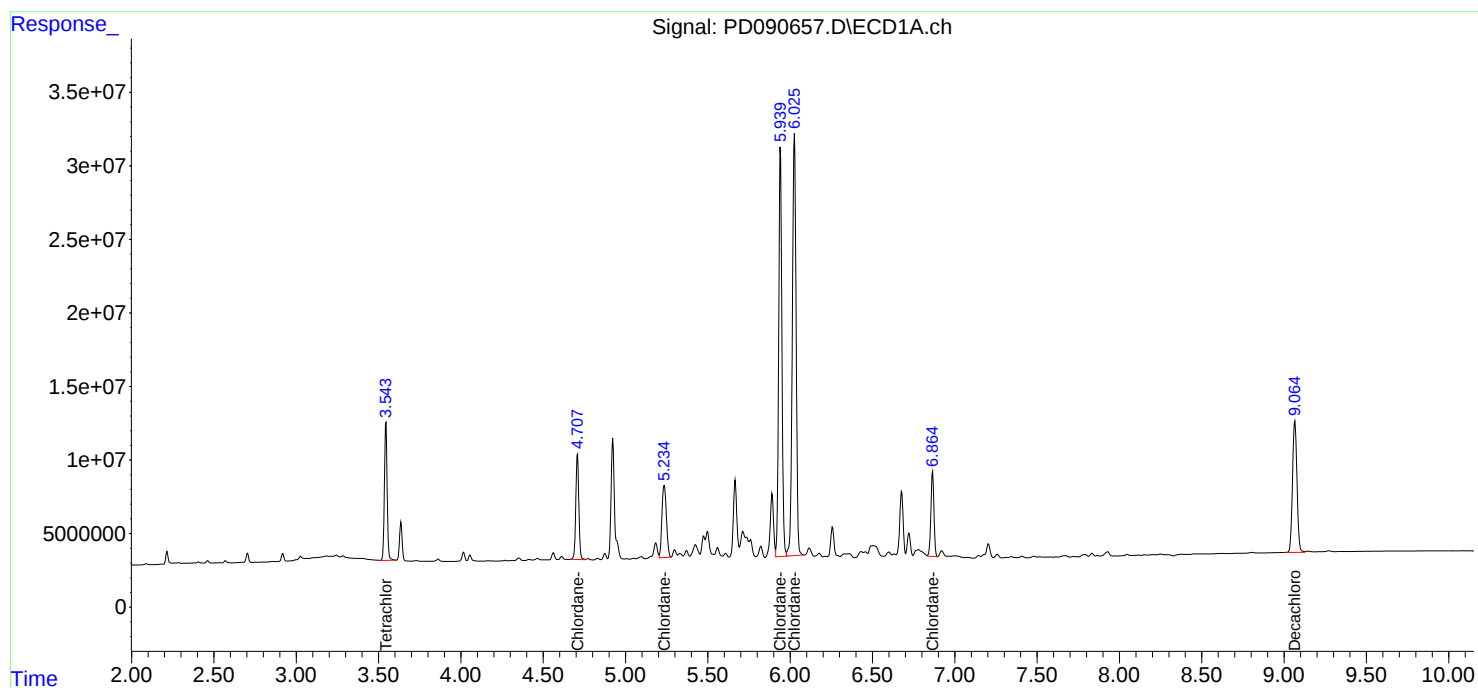
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

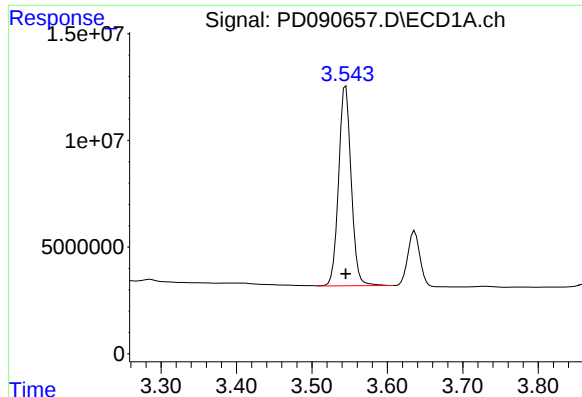
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:09
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

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

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

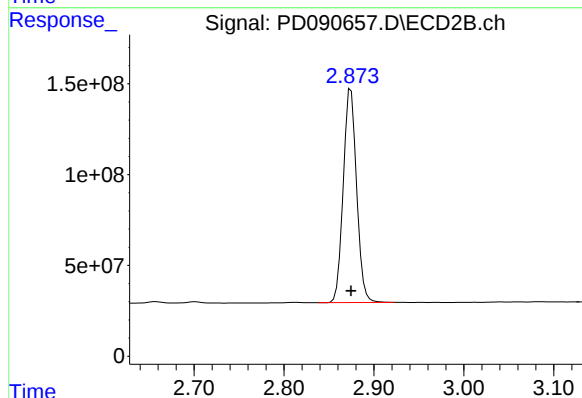




#1 Tetrachloro-m-xylene

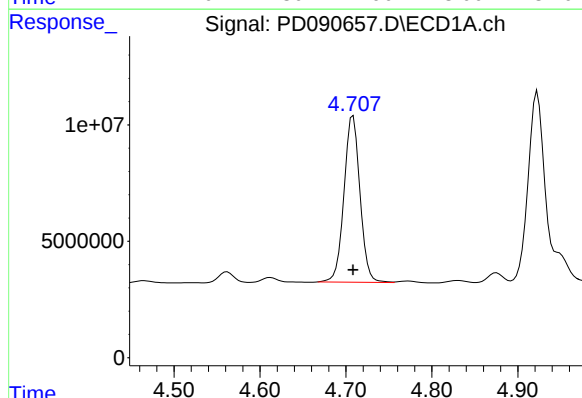
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 108758097
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



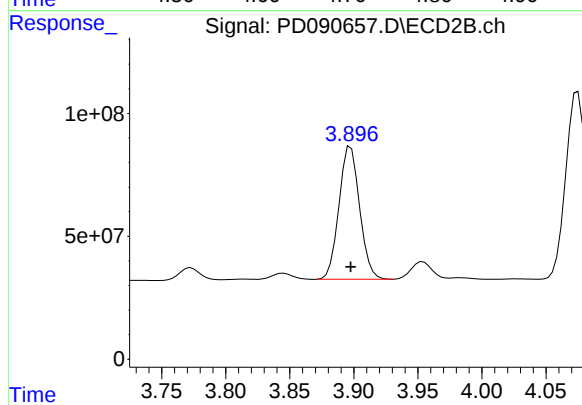
#1 Tetrachloro-m-xylene

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



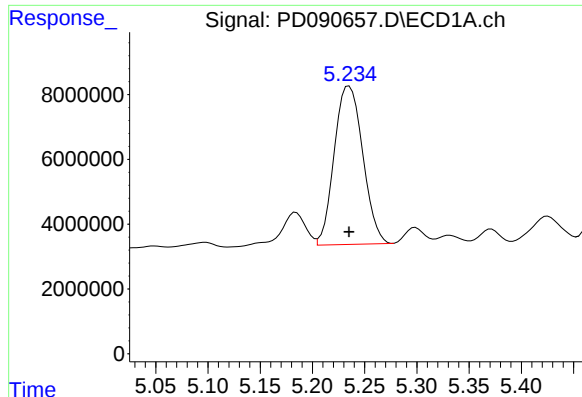
#23 Chlordane-1

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



#23 Chlordane-1

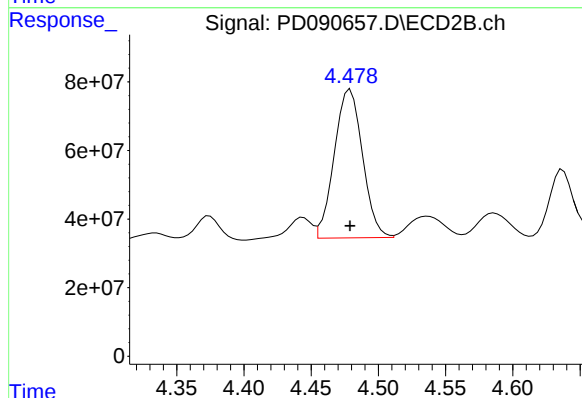
R.T.: 3.898 min
Delta R.T.: 0.000 min
Response: 605185458
Conc: 500.00 ng/ml



#24 Chlordane-2

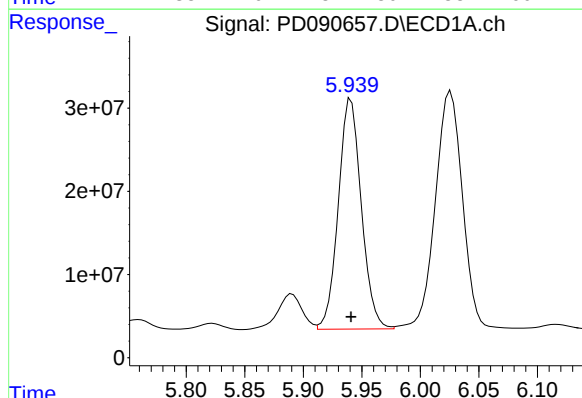
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 92865500
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



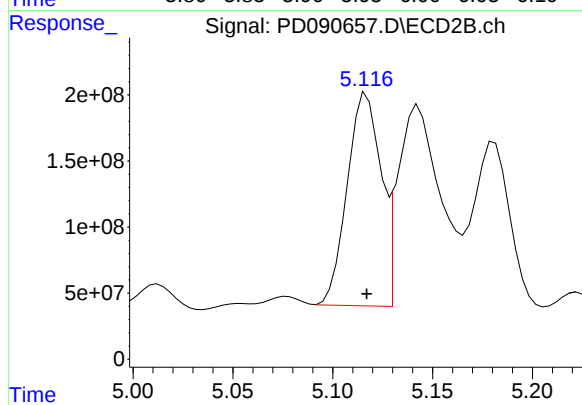
#24 Chlordane-2

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



#25 Chlordane-3

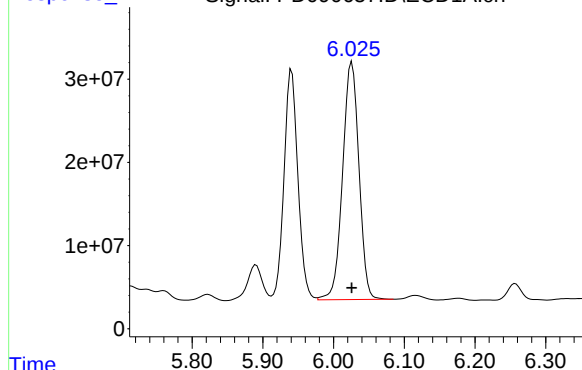
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 379095261
Conc: 500.00 ng/ml



#25 Chlordane-3

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

Response_ Signal: PD090657.D\ECD1A.ch

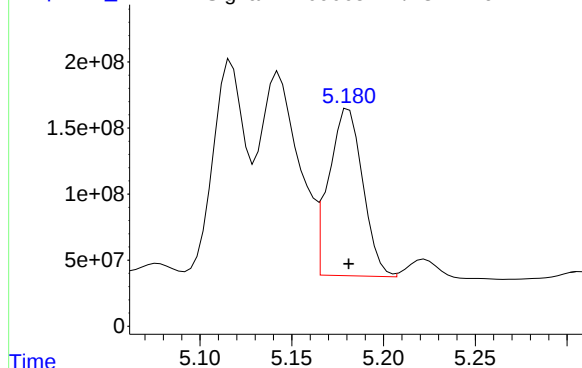


#26 Chlordane-4

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

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

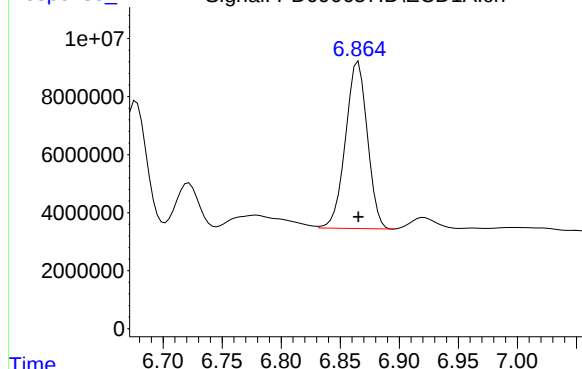
Time Response_ Signal: PD090657.D\ECD2B.ch



#26 Chlordane-4

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

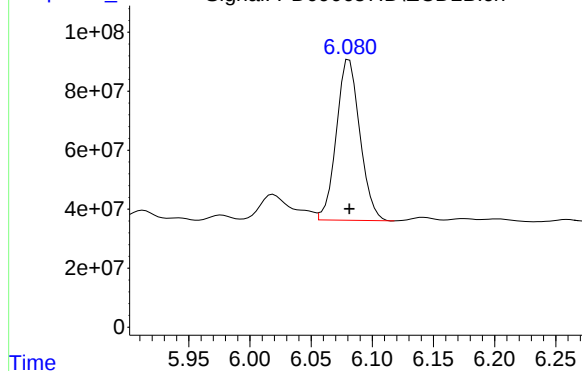
Time Response_ Signal: PD090657.D\ECD1A.ch



#27 Chlordane-5

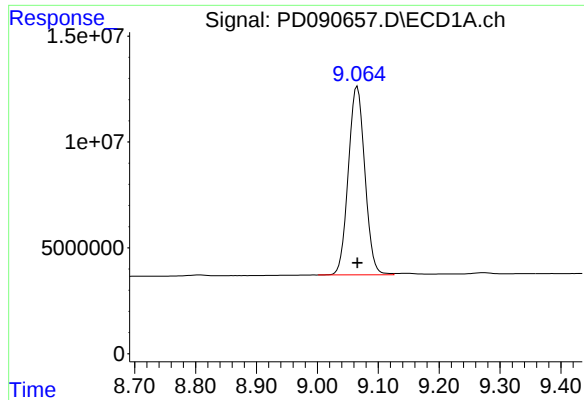
R.T.: 6.865 min
Delta R.T.: 0.000 min
Response: 74238996
Conc: 500.00 ng/ml

Time Response_ Signal: PD090657.D\ECD2B.ch



#27 Chlordane-5

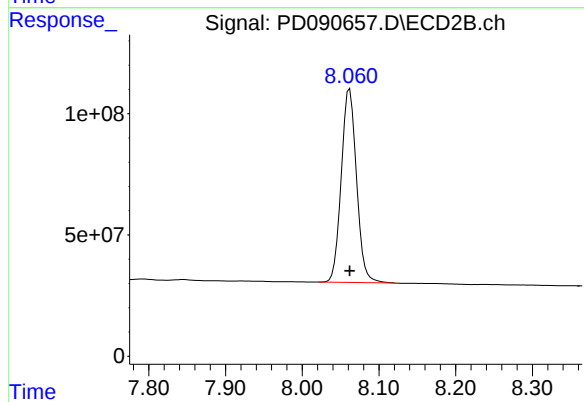
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 730253582
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.875	149.0E6	1451.5E6	50.000	50.000
7) SA Decachlor...	9.066	8.062	225.6E6	1489.1E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.236	5.466	16282219	131.9E6	500.000	500.000
3) Toxaphene-2	6.436	5.638	24310877	88280081	500.000	500.000
4) Toxaphene-3	7.143	6.745	42855293	329.4E6	500.000	500.000
5) Toxaphene-4	7.558	7.189	47868684	247.6E6	500.000	500.000
6) Toxaphene-5	7.923	7.320	30240231	123.0E6	500.000	500.000

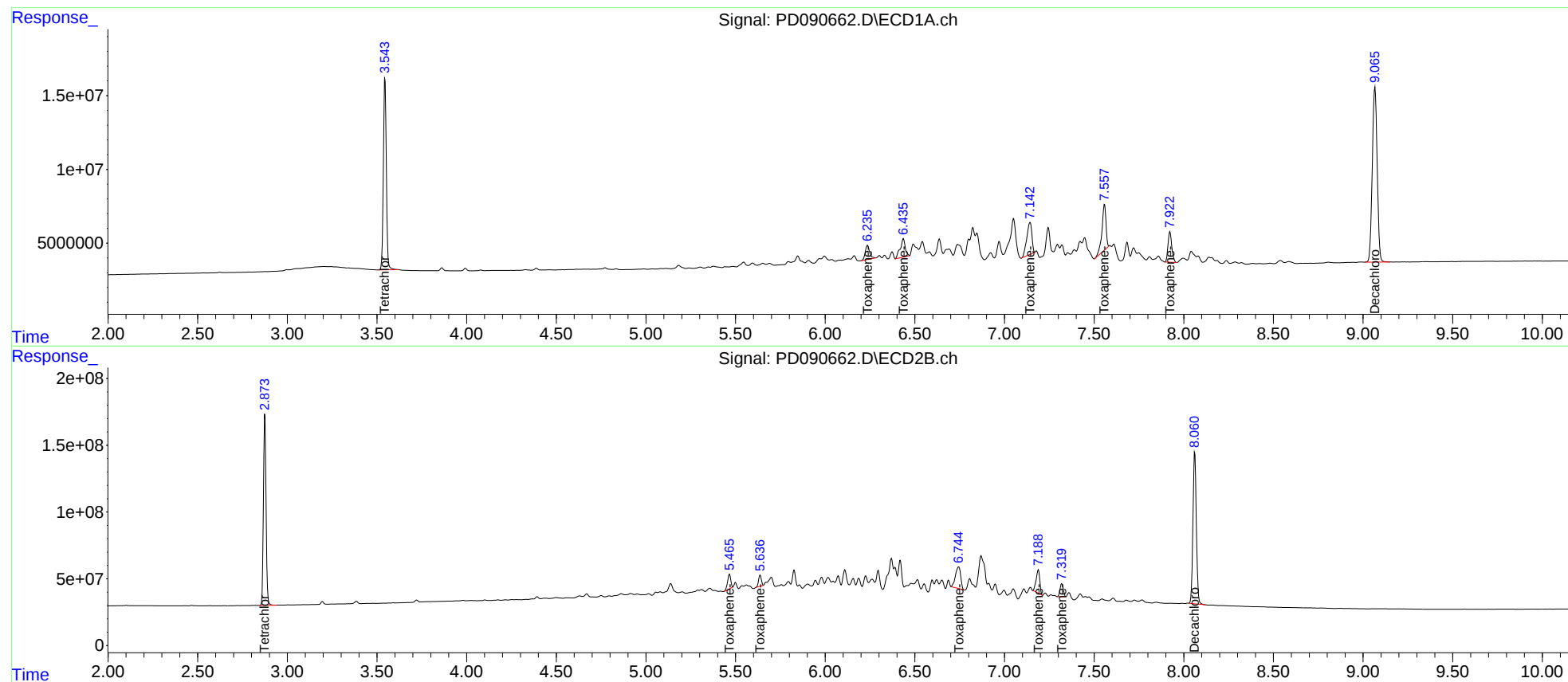
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

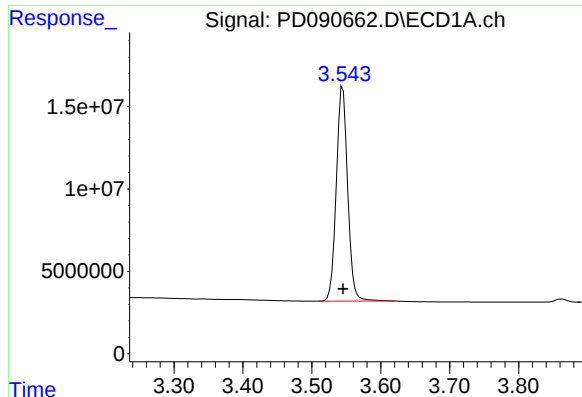
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 14:17
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

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

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

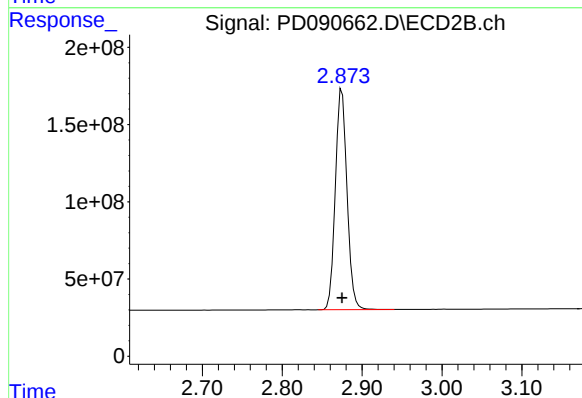




#1 Tetrachloro-m-xylene

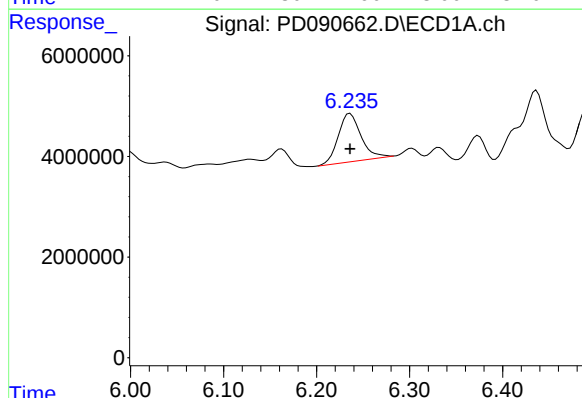
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 149025126
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



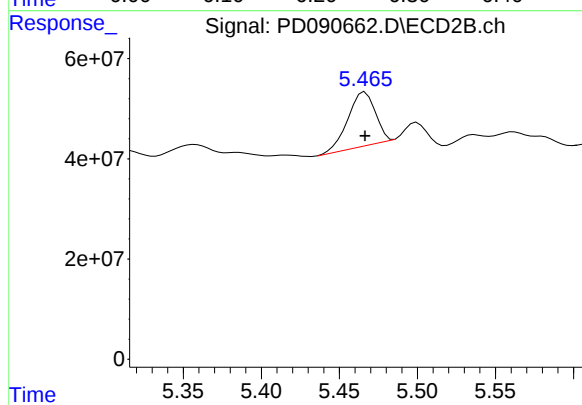
#1 Tetrachloro-m-xylene

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



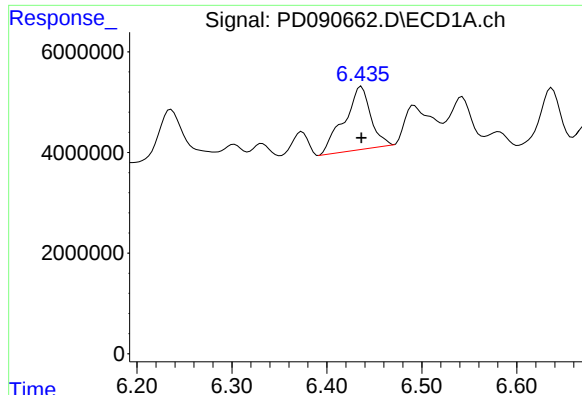
#2 Toxaphene-1

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



#2 Toxaphene-1

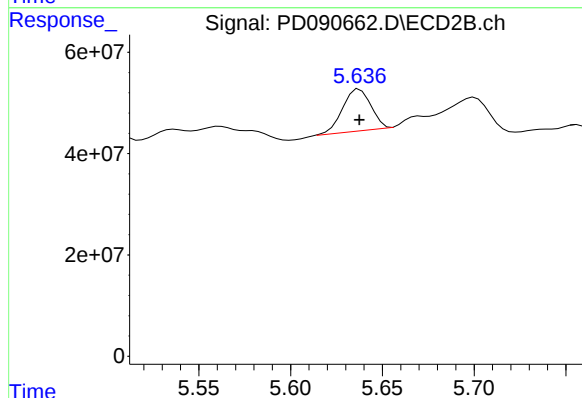
R.T.: 5.466 min
Delta R.T.: 0.000 min
Response: 131850816
Conc: 500.00 ng/ml



#3 Toxaphene-2

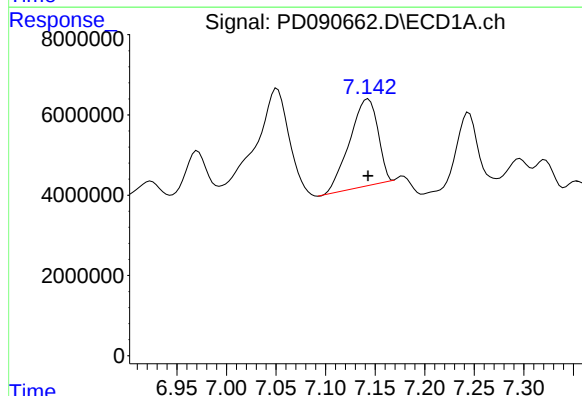
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 24310877
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



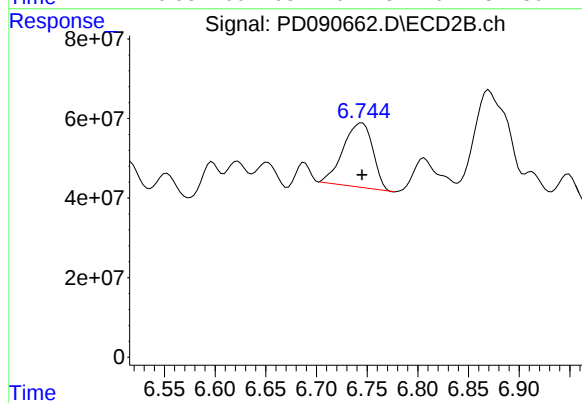
#3 Toxaphene-2

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



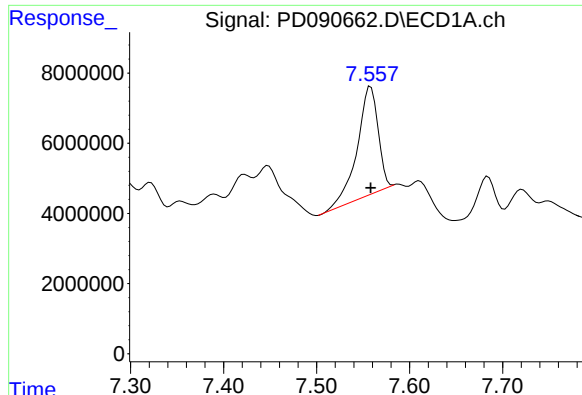
#4 Toxaphene-3

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



#4 Toxaphene-3

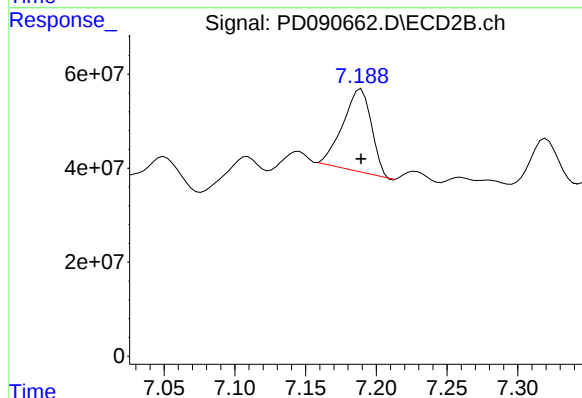
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 329441315
Conc: 500.00 ng/ml



#5 Toxaphene-4

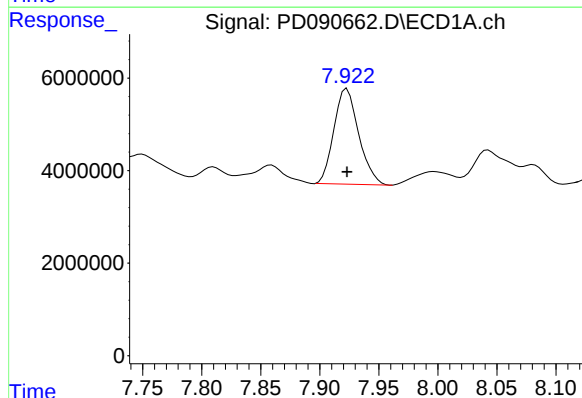
R.T.: 7.558 min
Delta R.T.: 0.000 min
Response: 47868684
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



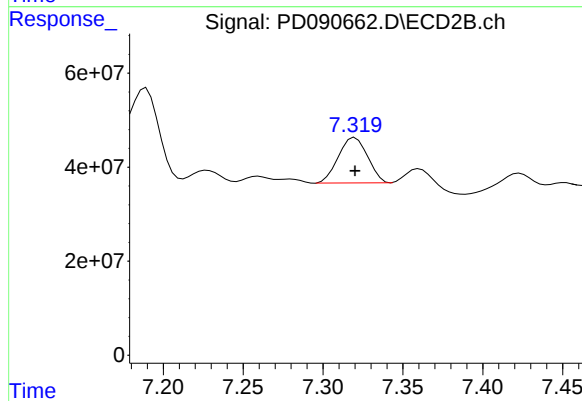
#5 Toxaphene-4

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



#6 Toxaphene-5

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



#6 Toxaphene-5

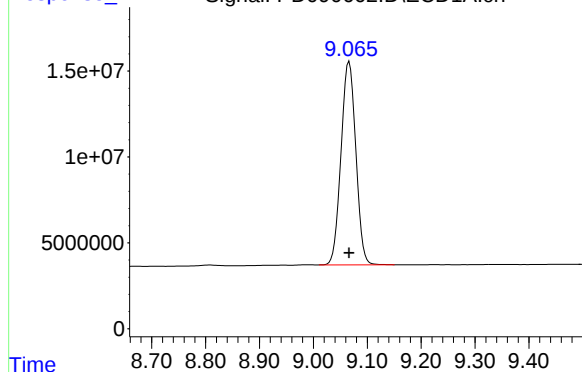
R.T.: 7.320 min
Delta R.T.: 0.000 min
Response: 123016477
Conc: 500.00 ng/ml

Response_

Signal: PD090662.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



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

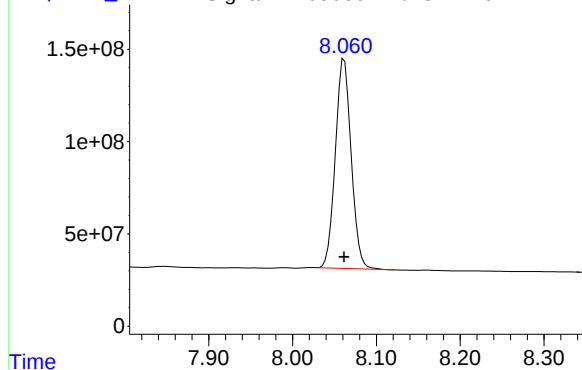
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Time

Response_

Signal: PD090662.D\ECD2B.ch

#7 Decachlorobiphenyl



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

Time

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

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD101725

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

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

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

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

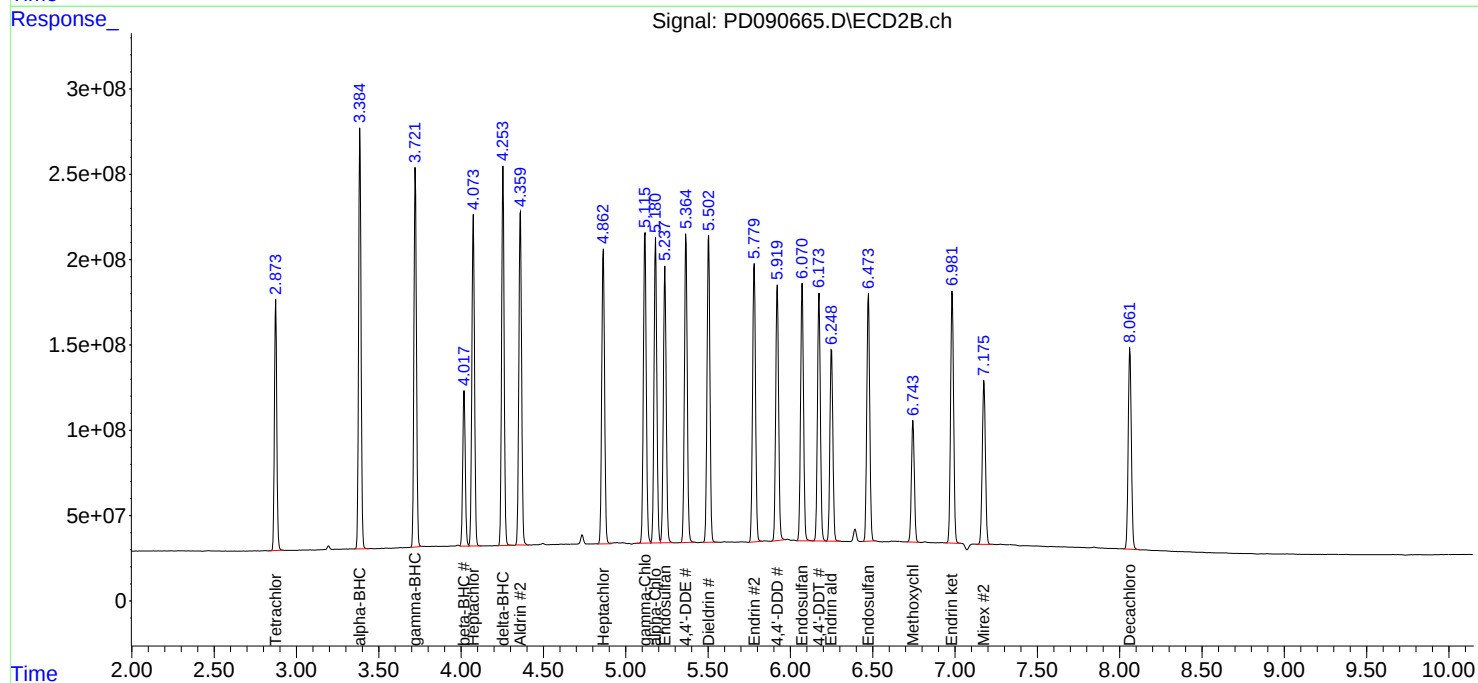
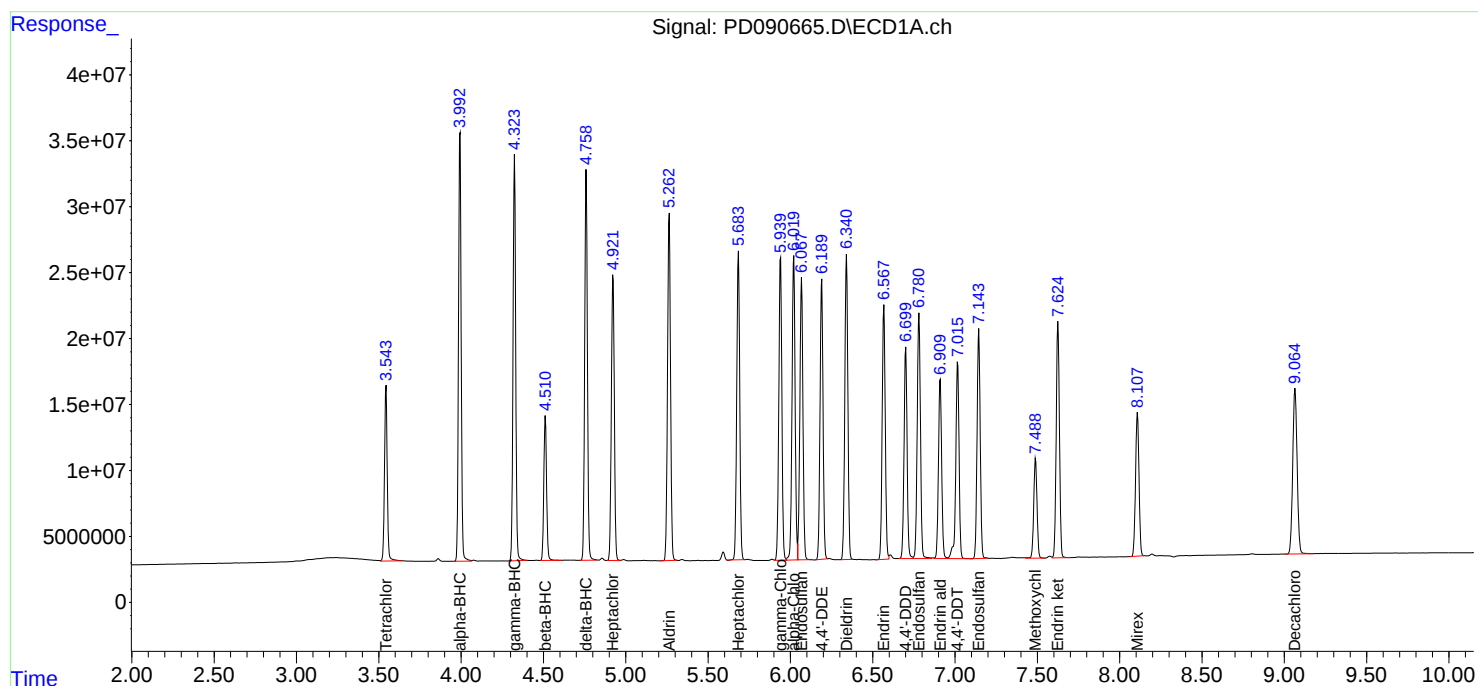
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

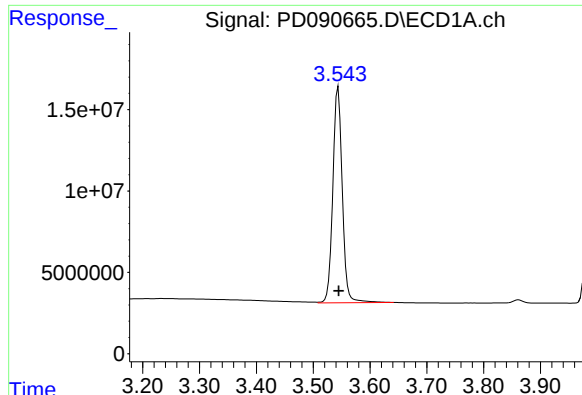
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090665.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 16:46
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD101725

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

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

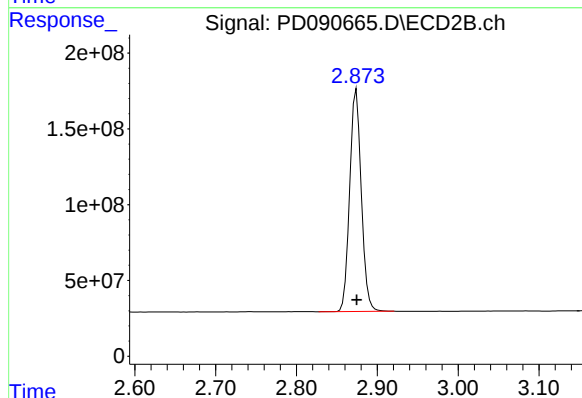




#1 Tetrachloro-m-xylene

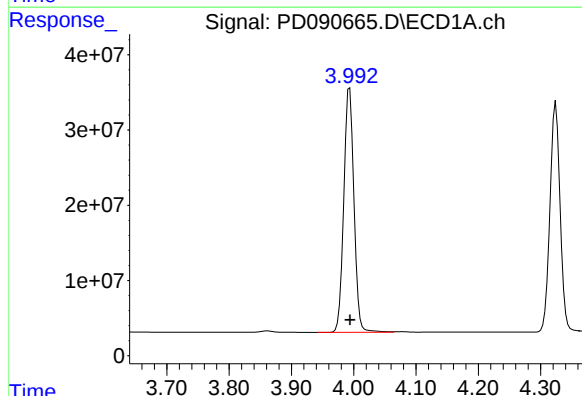
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 153674114
Conc: 49.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



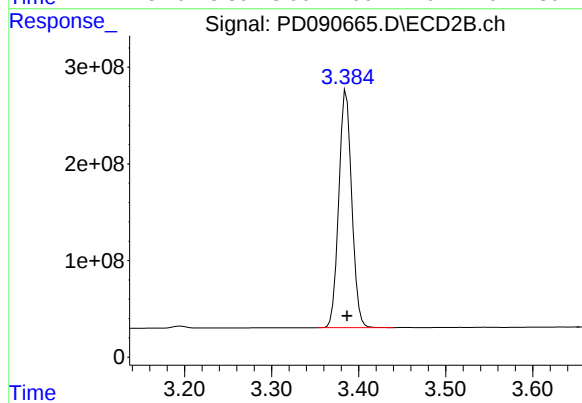
#1 Tetrachloro-m-xylene

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



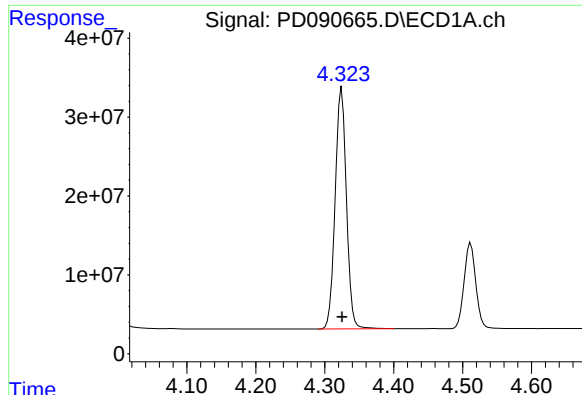
#2 alpha-BHC

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



#2 alpha-BHC

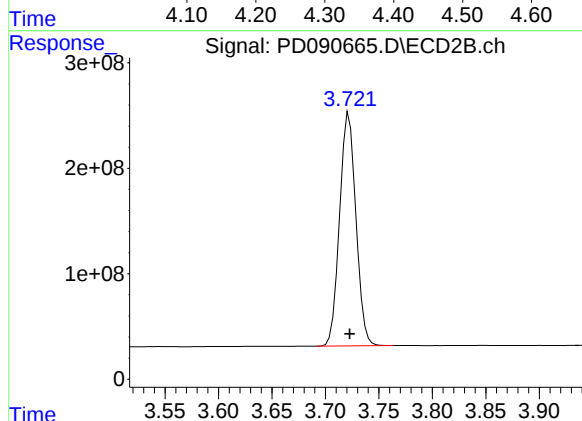
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2547652740
Conc: 49.86 ng/ml



#3 gamma-BHC (Lindane)

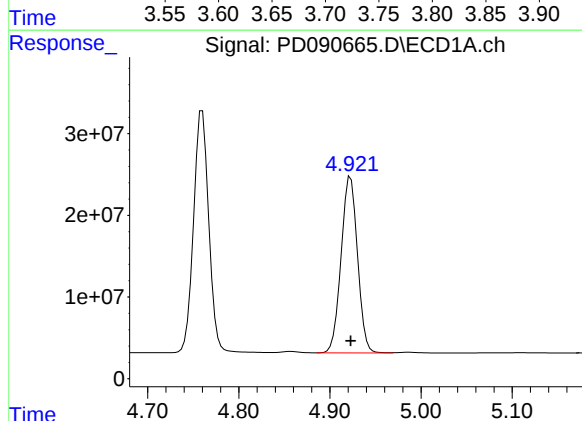
R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 346148511
Conc: 50.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



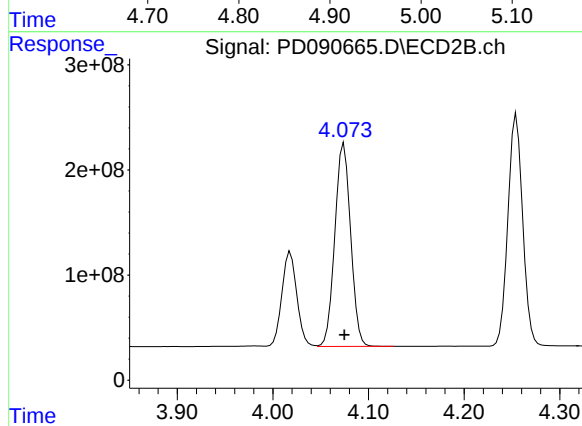
#3 gamma-BHC (Lindane)

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



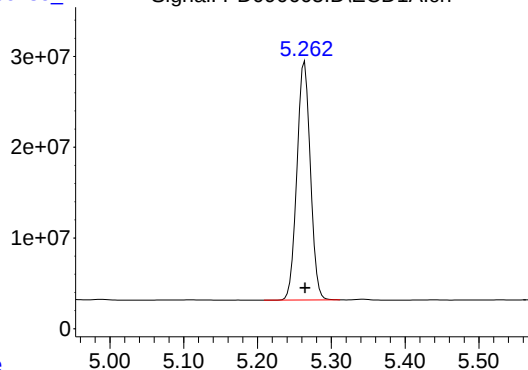
#4 Heptachlor

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



#4 Heptachlor

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



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

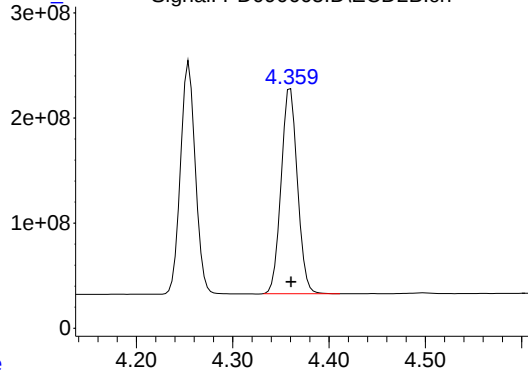
Instrument :
ECD_D
ClientSampleId :
ICVPD101725

Time

Response

Signal: PD090665.D\ECD2B.ch

#5 Aldrin



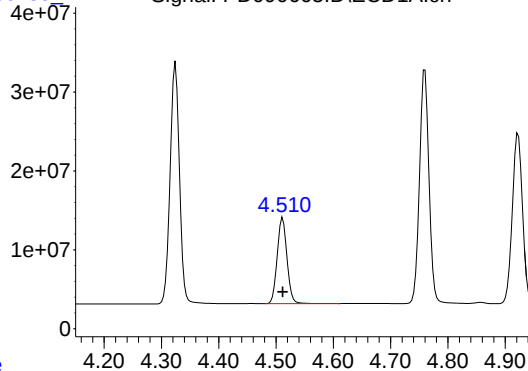
R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2302805919
Conc: 49.72 ng/ml

Time

Response

Signal: PD090665.D\ECD1A.ch

#6 beta-BHC



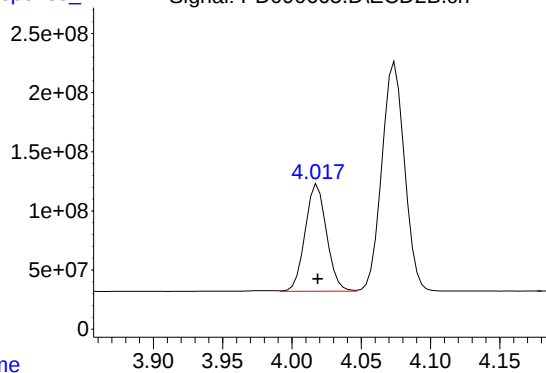
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 128796459
Conc: 49.17 ng/ml

Time

Response

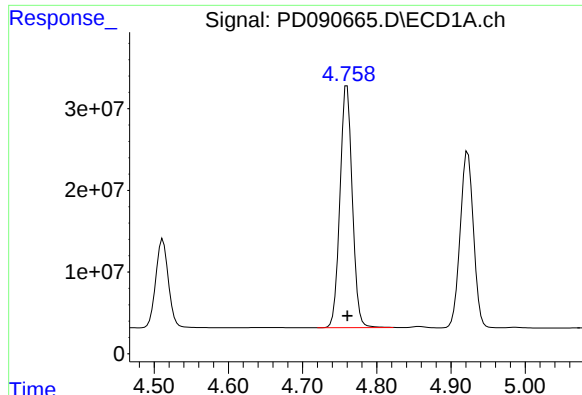
Signal: PD090665.D\ECD2B.ch

#6 beta-BHC



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

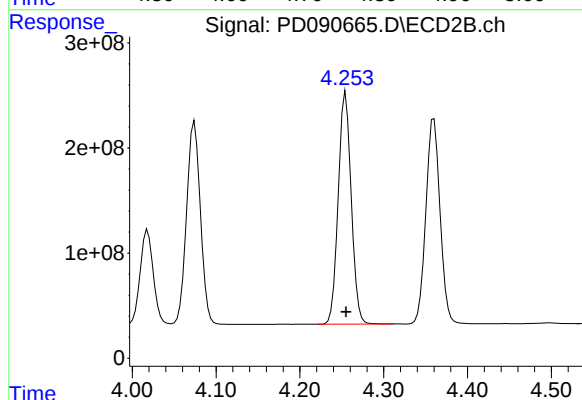
Time



#7 delta-BHC

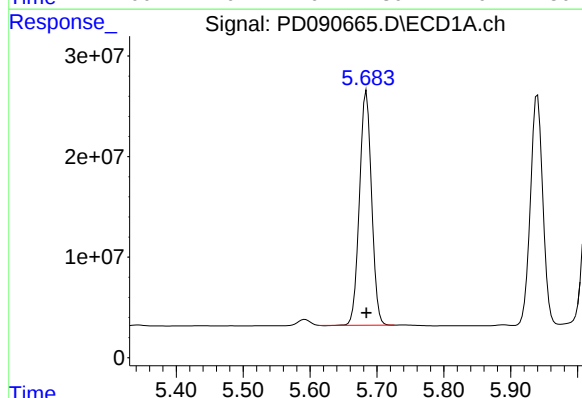
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 343712775
Conc: 50.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



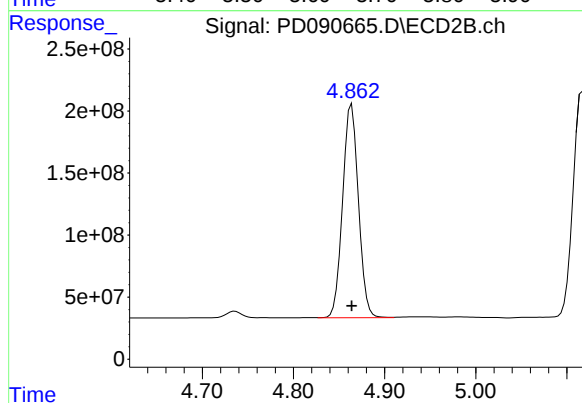
#7 delta-BHC

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



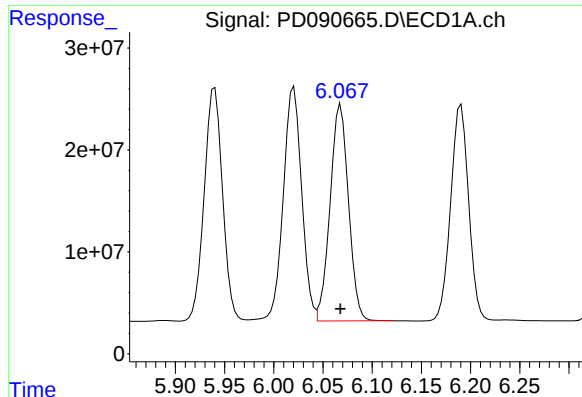
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

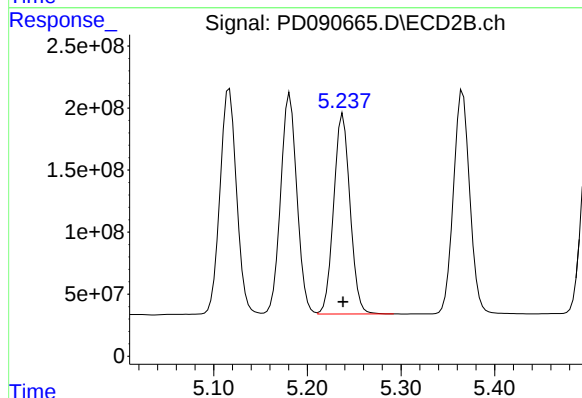
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2073663307
Conc: 48.63 ng/ml



#9 Endosulfan I

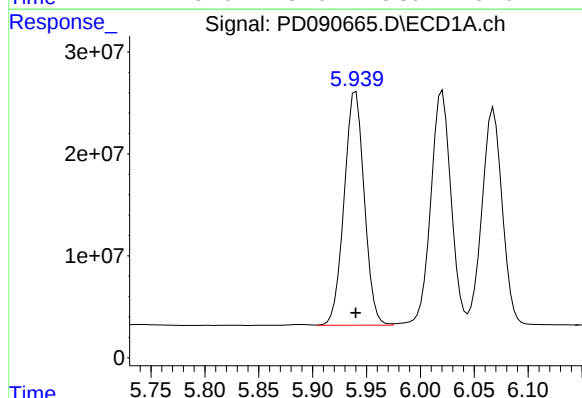
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 276731064
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



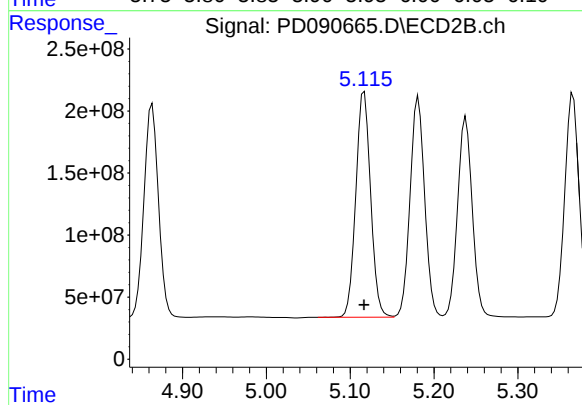
#9 Endosulfan I

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



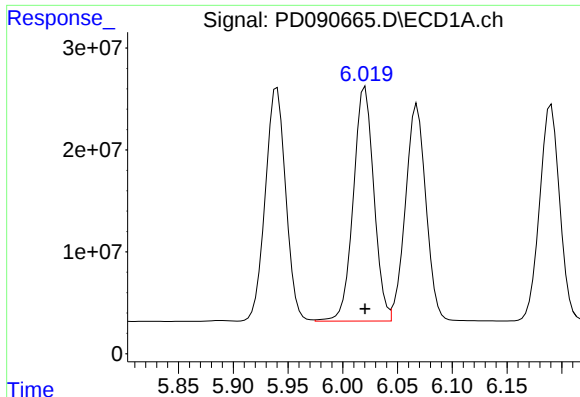
#10 gamma-Chlordane

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



#10 gamma-Chlordane

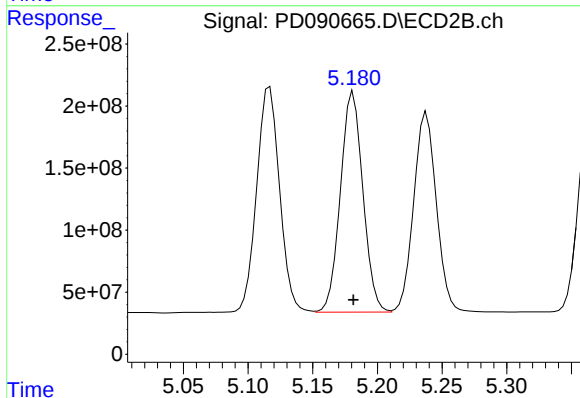
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2235964406
Conc: 49.74 ng/ml



#11 alpha-Chlordane

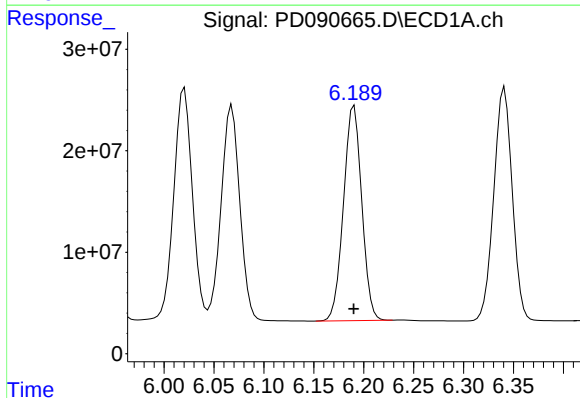
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 299573543
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



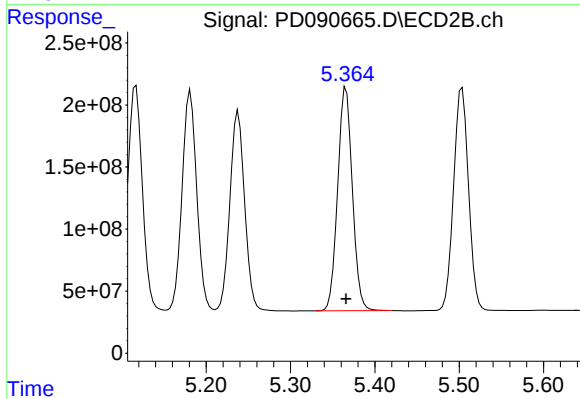
#11 alpha-Chlordane

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



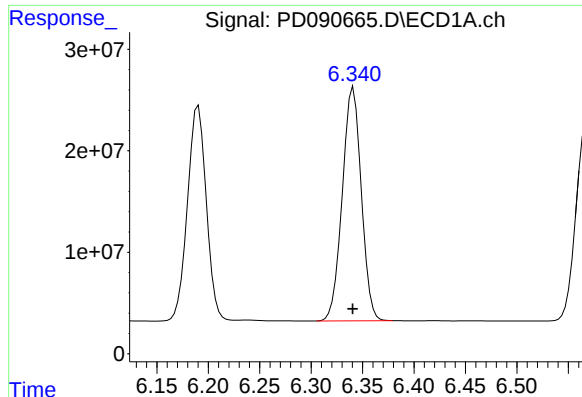
#12 4,4'-DDE

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



#12 4,4'-DDE

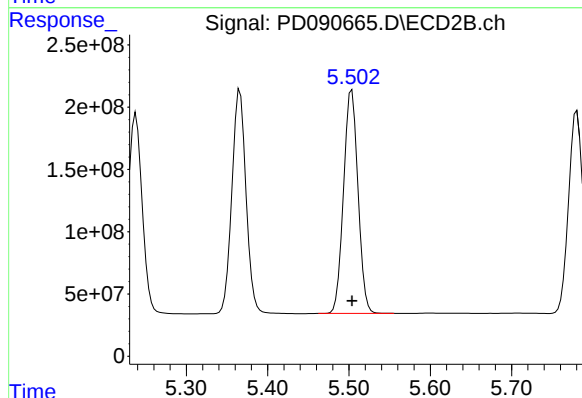
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2179474893
Conc: 49.72 ng/ml



#13 Dieldrin

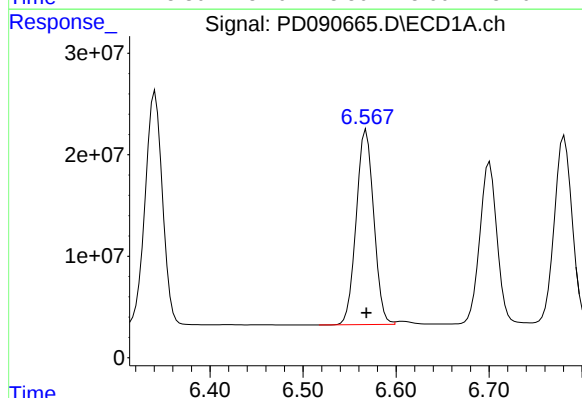
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 295678653
Conc: 50.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



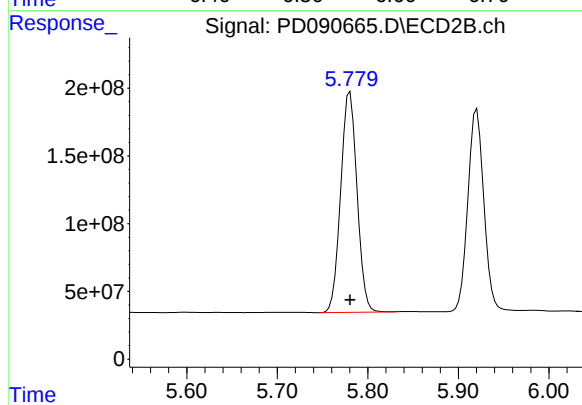
#13 Dieldrin

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



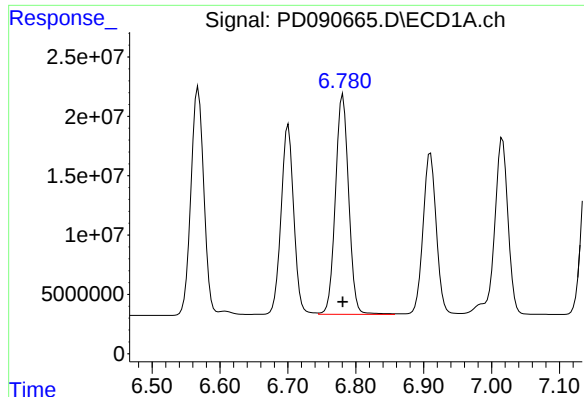
#14 Endrin

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



#14 Endrin

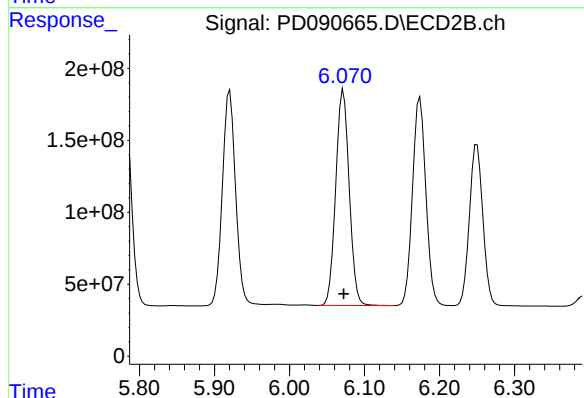
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2041761986
Conc: 50.42 ng/ml



#15 Endosulfan II

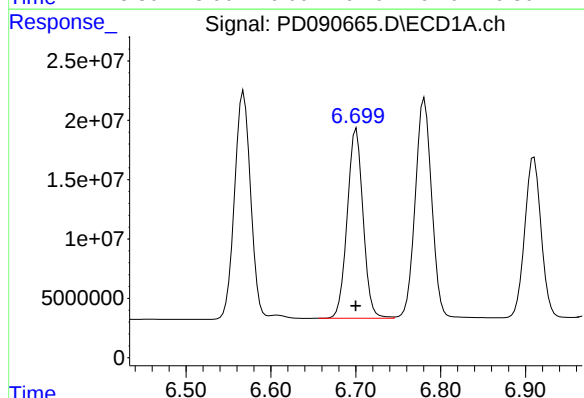
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 251374054
Conc: 50.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



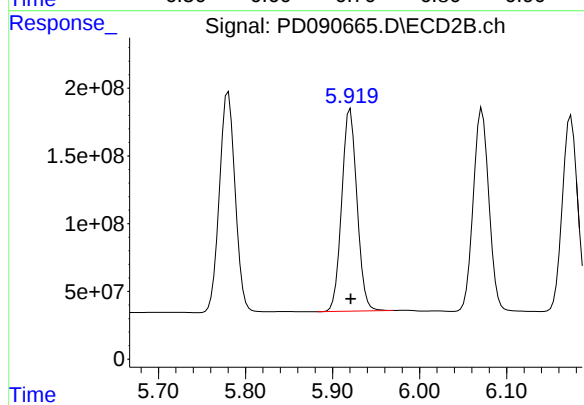
#15 Endosulfan II

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



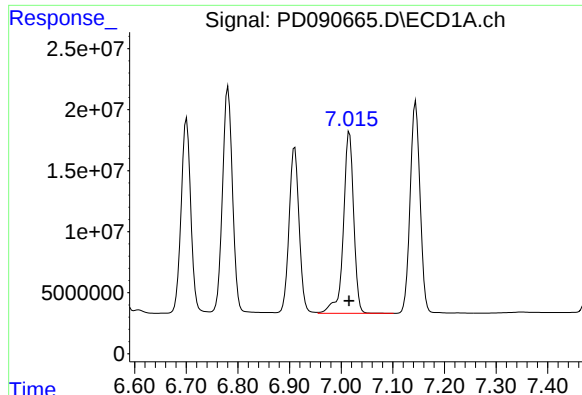
#16 4,4'-DDD

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



#16 4,4'-DDD

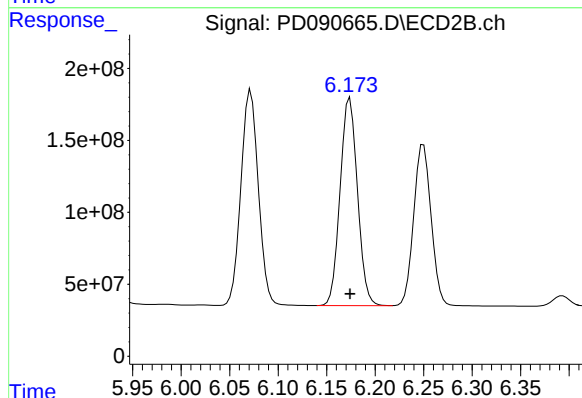
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1821049286
Conc: 49.98 ng/ml



#17 4,4'-DDT

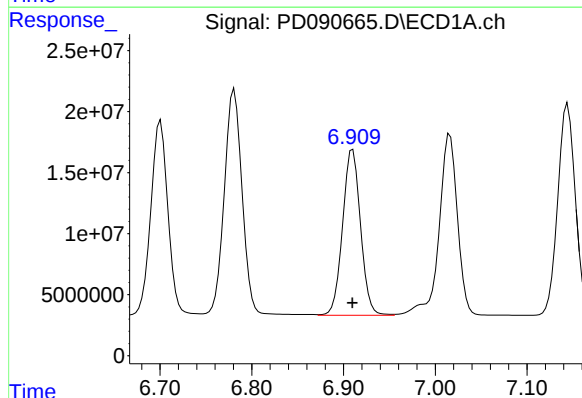
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 206839113
Conc: 50.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



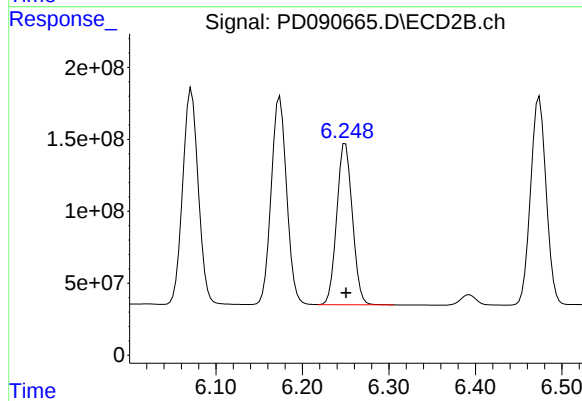
#17 4,4'-DDT

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



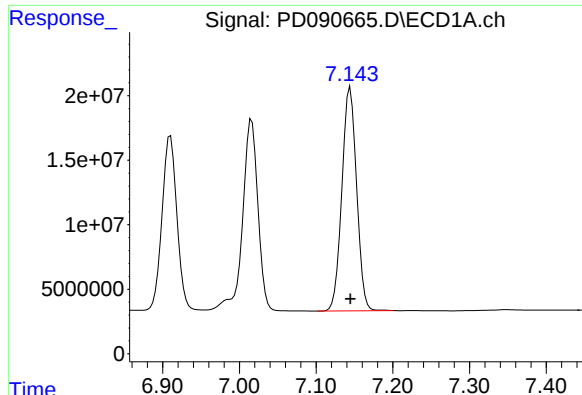
#18 Endrin aldehyde

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



#18 Endrin aldehyde

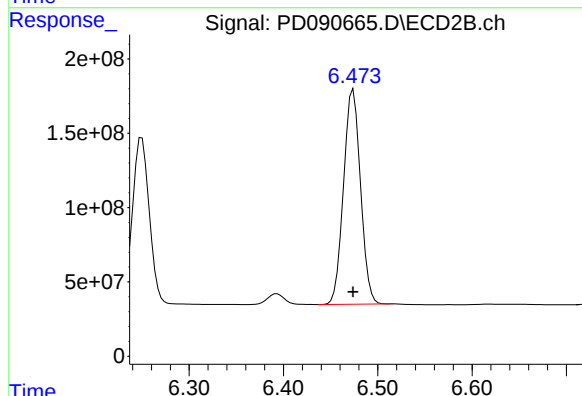
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1401255725
Conc: 50.60 ng/ml



#19 Endosulfan Sulfate

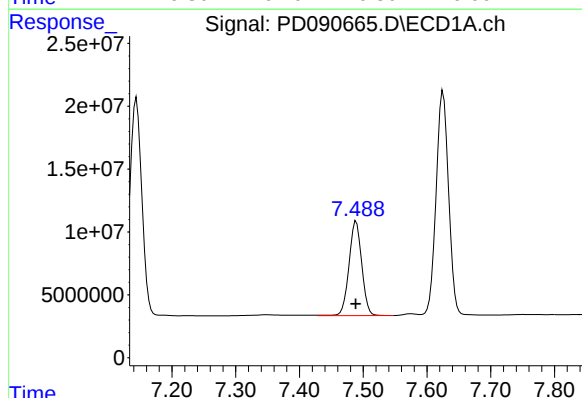
R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 231154352
Conc: 49.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



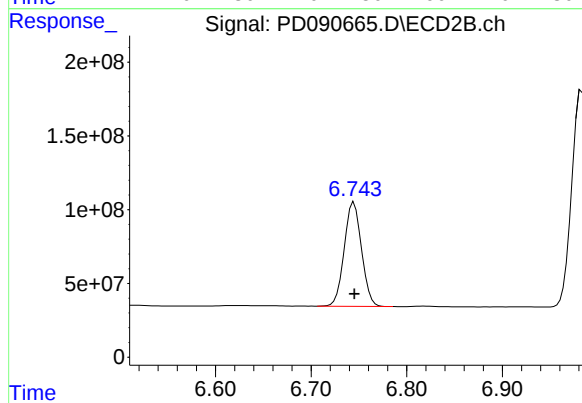
#19 Endosulfan Sulfate

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



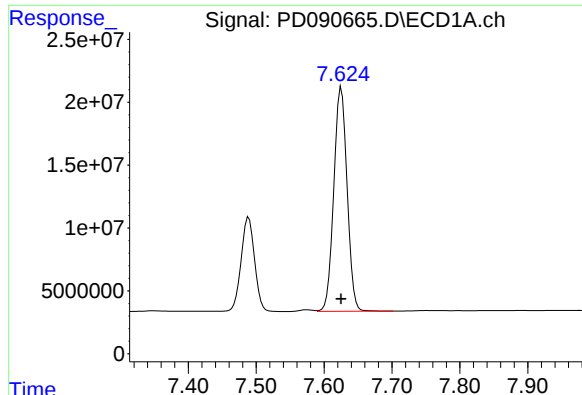
#20 Methoxychlor

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



#20 Methoxychlor

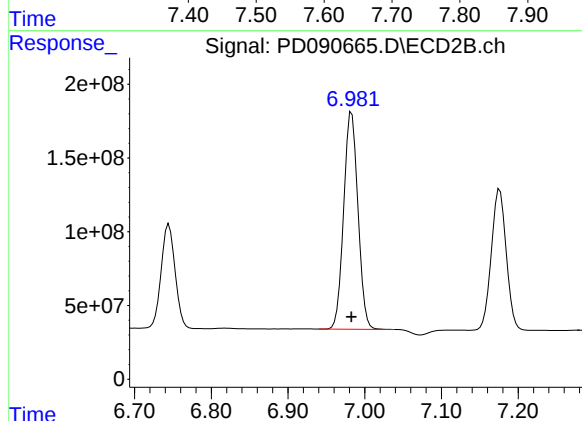
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 890144630
Conc: 51.08 ng/ml



#21 Endrin ketone

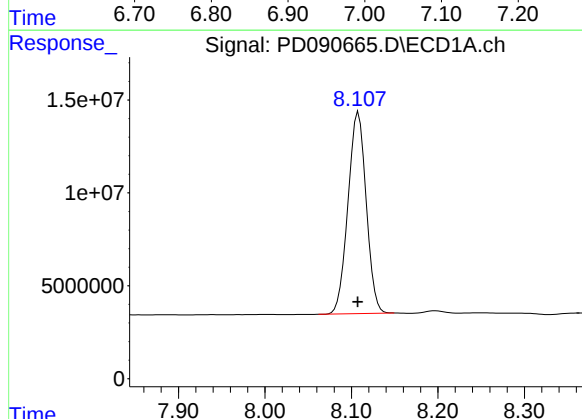
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 242853020
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



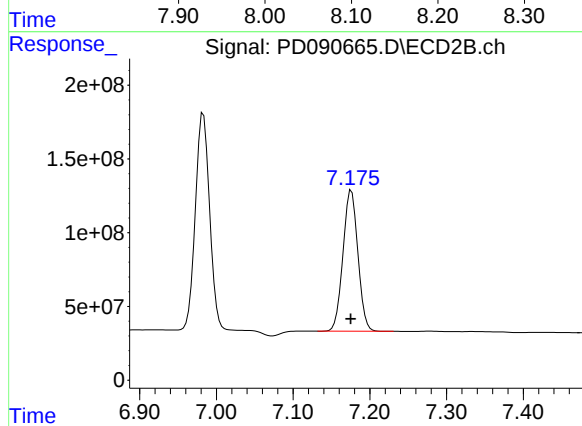
#21 Endrin ketone

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



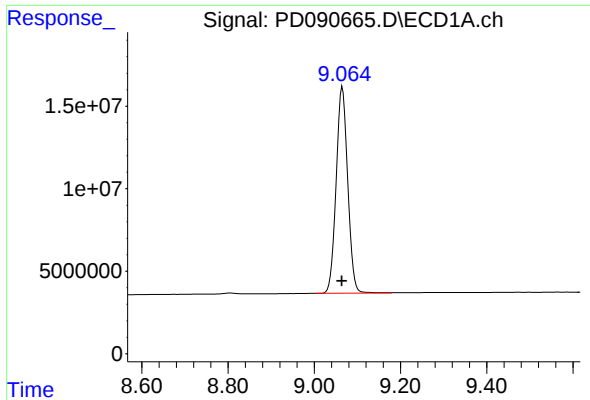
#22 Mirex

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



#22 Mirex

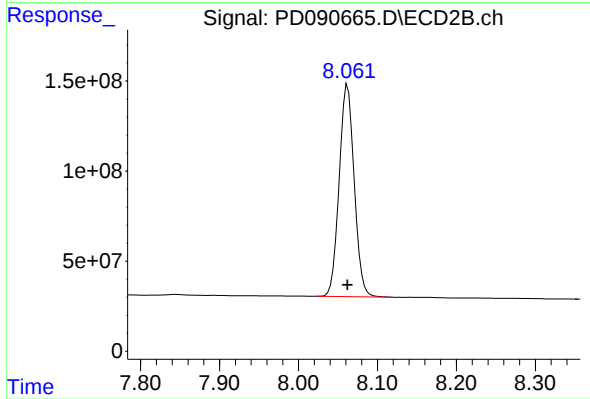
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1294533618
Conc: 50.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 232264787
Conc: 49.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 1556154030
Conc: 51.37 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Continuing Calib Date: 10/20/2025

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

10/17/2025

Continuing Calib Time: 10:54

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	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	7.02	7.02	6.92	7.12	0.00
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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Continuing Calib Date: 10/20/2025

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

10/17/2025

Continuing Calib Time: 10:54

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.50	5.40	5.60	-0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.47	6.37	6.57	-0.01
4,4'-DDT	6.18	6.17	6.07	6.27	-0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/20/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090692.D **Time Analyzed:** 10:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.600	6.800	51.950	50.000	3.9
4,4'-DDE	6.198	6.090	6.290	48.740	50.000	-2.5
4,4'-DDT	7.023	6.915	7.115	53.570	50.000	7.1
Aldrin	5.272	5.164	5.364	50.010	50.000	0.0
alpha-BHC	4.001	3.894	4.094	51.020	50.000	2.0
alpha-Chlordane	6.028	5.921	6.121	47.140	50.000	-5.7
beta-BHC	4.518	4.412	4.612	48.370	50.000	-3.3
Decachlorobiphenyl	9.075	8.964	9.164	44.770	50.000	-10.5
delta-BHC	4.768	4.660	4.860	49.740	50.000	-0.5
Dieldrin	6.349	6.240	6.440	49.670	50.000	-0.7
Endosulfan I	6.076	5.968	6.168	49.190	50.000	-1.6
Endosulfan II	6.788	6.681	6.881	52.090	50.000	4.2
Endosulfan sulfate	7.152	7.045	7.245	48.310	50.000	-3.4
Endrin	6.576	6.468	6.668	50.490	50.000	1.0
Endrin aldehyde	6.918	6.810	7.010	50.880	50.000	1.8
Endrin ketone	7.633	7.525	7.725	48.150	50.000	-3.7
gamma-BHC (Lindane)	4.332	4.225	4.425	50.280	50.000	0.6
gamma-Chlordane	5.948	5.840	6.040	49.590	50.000	-0.8
Heptachlor	4.930	4.823	5.023	58.380	50.000	16.8
Heptachlor epoxide	5.691	5.584	5.784	49.670	50.000	-0.7
Methoxychlor	7.497	7.388	7.588	49.610	50.000	-0.8
Tetrachloro-m-xylene	3.551	3.445	3.645	48.020	50.000	-4.0



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/20/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090692.D **Time Analyzed:** 10:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.922	5.821	6.021	47.850	50.000	-4.3
4,4'-DDE	5.367	5.266	5.466	48.060	50.000	-3.9
4,4'-DDT	6.176	6.074	6.274	52.390	50.000	4.8
Aldrin	4.361	4.261	4.461	48.160	50.000	-3.7
alpha-BHC	3.386	3.287	3.487	47.930	50.000	-4.1
alpha-Chlordane	5.182	5.081	5.281	47.930	50.000	-4.1
beta-BHC	4.019	3.919	4.119	46.720	50.000	-6.6
Decachlorobiphenyl	8.064	7.962	8.162	43.570	50.000	-12.9
delta-BHC	4.255	4.155	4.355	47.730	50.000	-4.5
Dieldrin	5.505	5.404	5.604	48.200	50.000	-3.6
Endosulfan I	5.239	5.138	5.338	45.700	50.000	-8.6
Endosulfan II	6.074	5.972	6.172	48.140	50.000	-3.7
Endosulfan sulfate	6.476	6.374	6.574	47.690	50.000	-4.6
Endrin	5.782	5.681	5.881	48.430	50.000	-3.1
Endrin aldehyde	6.252	6.150	6.350	49.140	50.000	-1.7
Endrin ketone	6.984	6.883	7.083	47.110	50.000	-5.8
gamma-BHC (Lindane)	3.723	3.623	3.823	47.890	50.000	-4.2
gamma-Chlordane	5.118	5.017	5.217	48.010	50.000	-4.0
Heptachlor	4.075	3.975	4.175	48.070	50.000	-3.9
Heptachlor epoxide	4.865	4.764	4.964	47.090	50.000	-5.8
Methoxychlor	6.747	6.645	6.845	49.270	50.000	-1.5
Tetrachloro-m-xylene	2.874	2.775	2.975	47.440	50.000	-5.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090692.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 10:54
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/21/2025
 Supervised By : mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:49:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.874	149.5E6	1412.7E6	48.016	47.443
28)	SA Decachlor...	9.075	8.064	209.4E6	1319.7E6	44.771	43.566
Target Compounds							
2)	A alpha-BHC	4.001	3.386	366.2E6	2449.0E6	51.020	47.929
3)	MA gamma-BHC...	4.332	3.723	341.8E6	2263.0E6	50.278	47.895
4)	MA Heptachlor	4.930	4.075	326.3E6	2144.2E6	58.384	48.073
5)	MB Aldrin	5.272	4.361	327.4E6	2230.6E6	50.008	48.158
6)	B beta-BHC	4.518	4.019	126.7E6	926.4E6	48.370m	46.717
7)	B delta-BHC	4.768	4.255	336.3E6	2277.7E6	49.735	47.733
8)	B Heptachlo...	5.691	4.865	287.5E6	2008.0E6	49.665m	47.093
9)	A Endosulfan I	6.076	5.239	272.3E6	1800.1E6	49.188	45.698
10)	B gamma-Chl...	5.948	5.118	294.1E6	2158.2E6	49.592	48.014
11)	B alpha-Chl...	6.028	5.182	291.4E6	2067.7E6	47.143	47.932
12)	B 4,4'-DDE	6.198	5.367	259.6E6	2106.9E6	48.743	48.061
13)	MA Dieldrin	6.349	5.505	289.6E6	2129.7E6	49.669	48.201
14)	MA Endrin	6.576	5.782	250.1E6	1961.0E6	50.487	48.426
15)	B Endosulfa...	6.788	6.074	260.5E6	1808.1E6	52.090	48.144
16)	A 4,4'-DDD	6.708	5.922	210.6E6	1743.4E6	51.945	47.846
17)	MA 4,4'-DDT	7.023	6.176	220.2E6	1837.6E6	53.571	52.393
18)	B Endrin al...	6.918	6.252	186.4E6	1360.9E6	50.878	49.144
19)	B Endosulfa...	7.152	6.476	224.1E6	1709.3E6	48.311	47.685
20)	A Methoxychlor	7.497	6.747	105.5E6	858.6E6	49.615	49.267
21)	B Endrin ke...	7.633	6.984	234.0E6	1776.9E6	48.153	47.111
22)	Mirex	8.115	7.178	149.0E6	1188.7E6	46.548	46.269

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 10:54
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

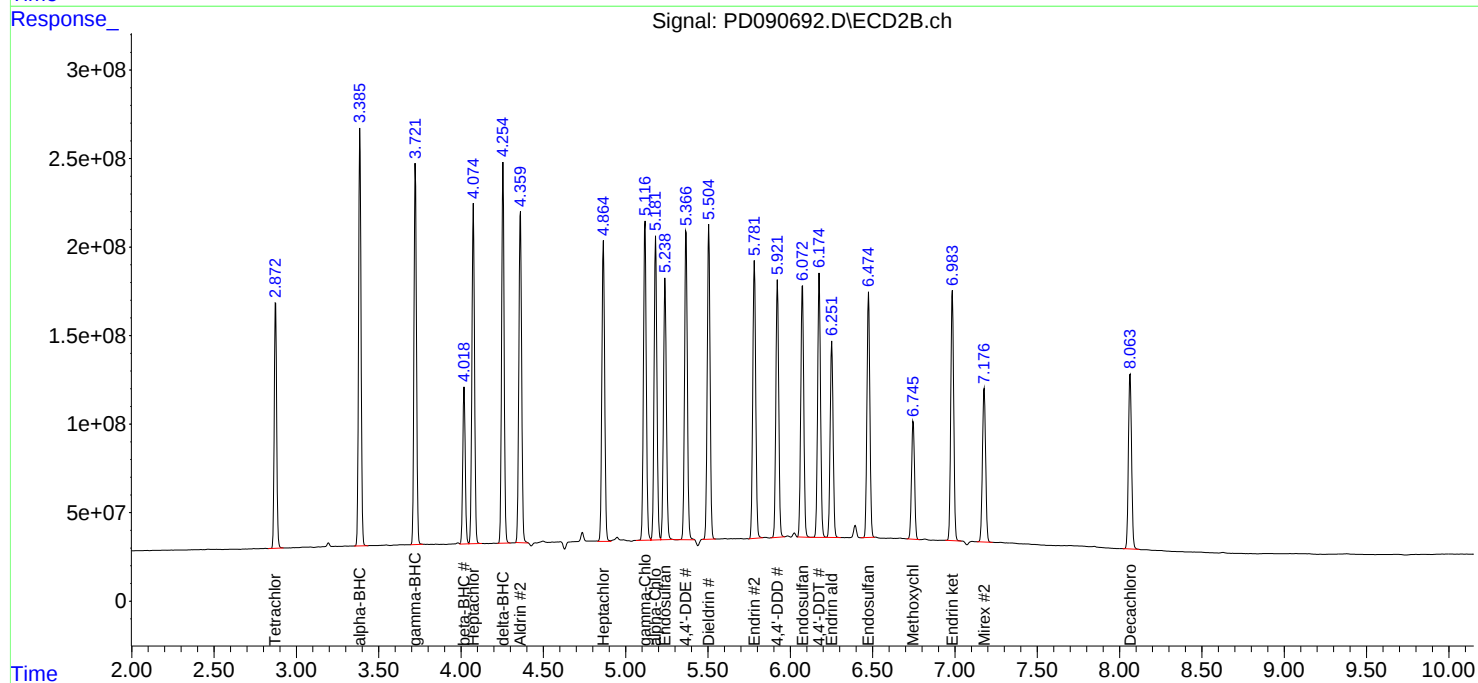
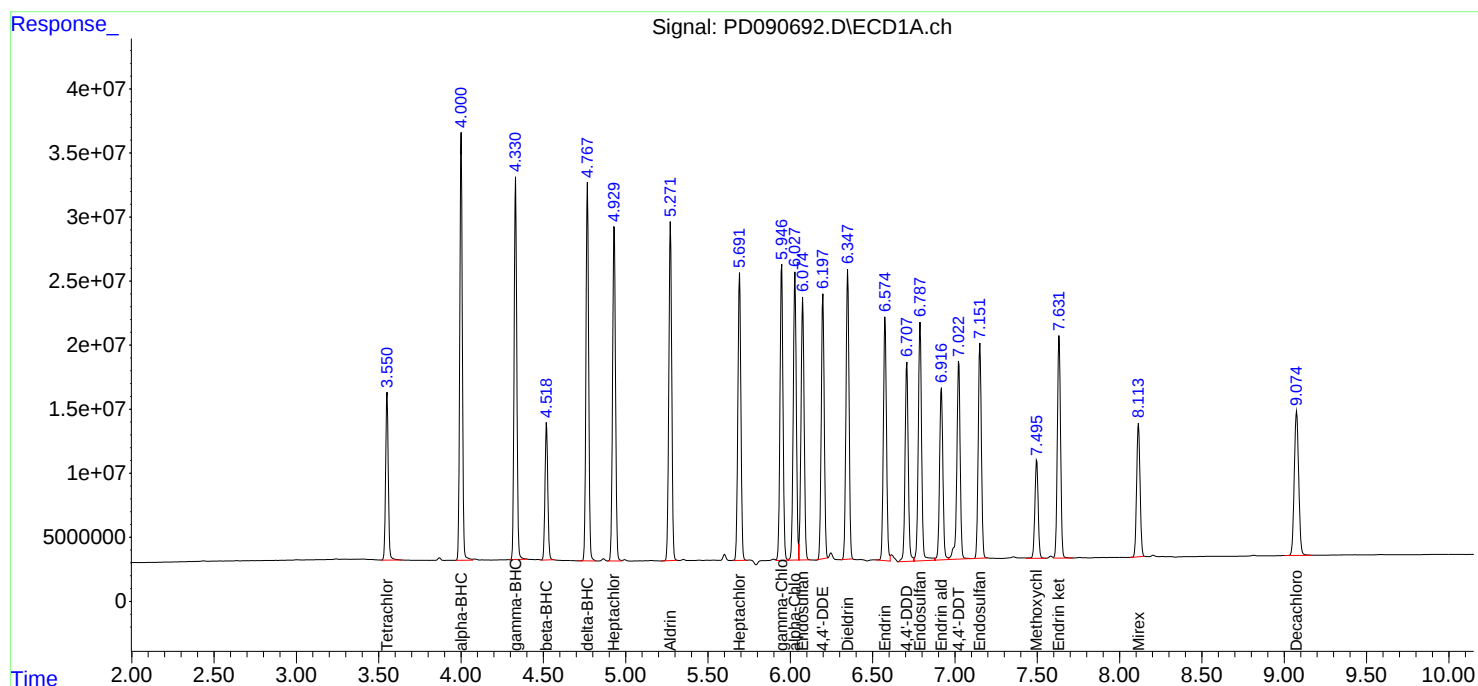
APPROVED

Reviewed By :Abdul Mirza 10/21/2025

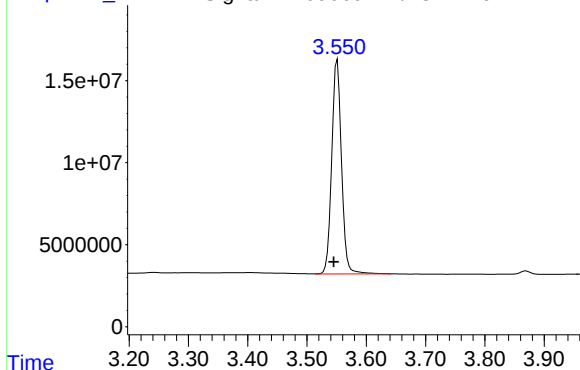
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:49:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090692.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.006 min
Response: 149528204
Conc: 48.02 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

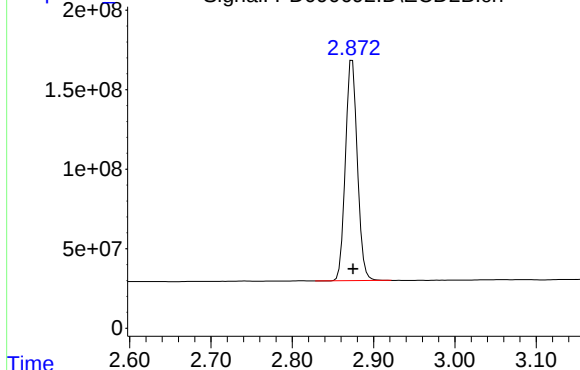
Manual Integrations

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Supervised By :mohammad ahmed 10/24/2025

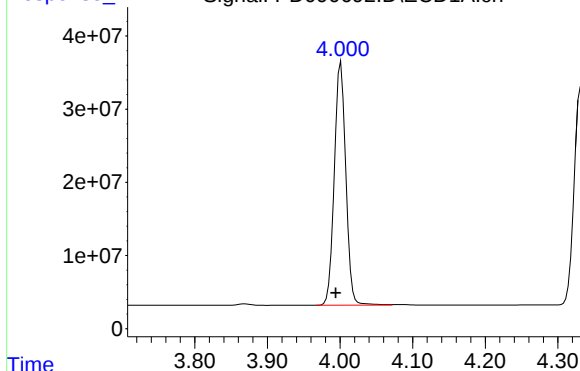
Response_ Signal: PD090692.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1412730107
Conc: 47.44 ng/ml

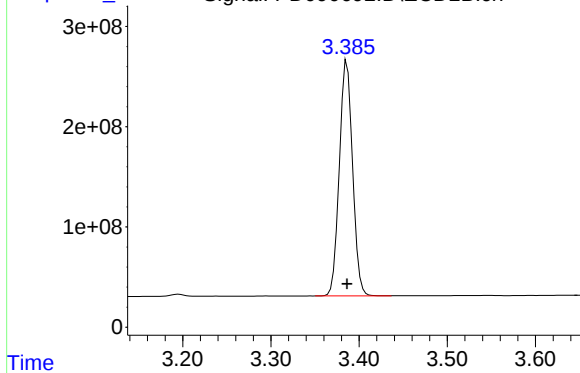
Response_ Signal: PD090692.D\ECD1A.ch



#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.007 min
Response: 366179599
Conc: 51.02 ng/ml

Response_ Signal: PD090692.D\ECD2B.ch

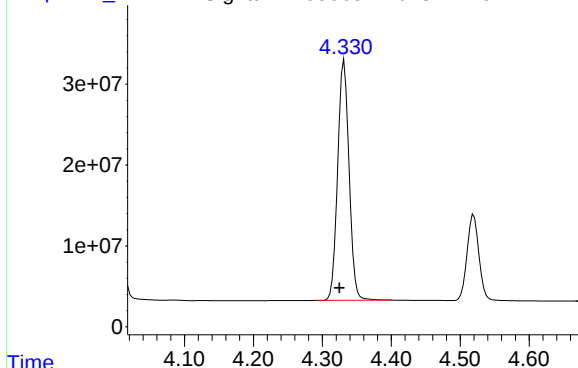


#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2448983891
Conc: 47.93 ng/ml

Response_ Signal: PD090692.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.332 min
Delta R.T.: 0.007 min
Response: 341831894
Conc: 50.28 ng/ml

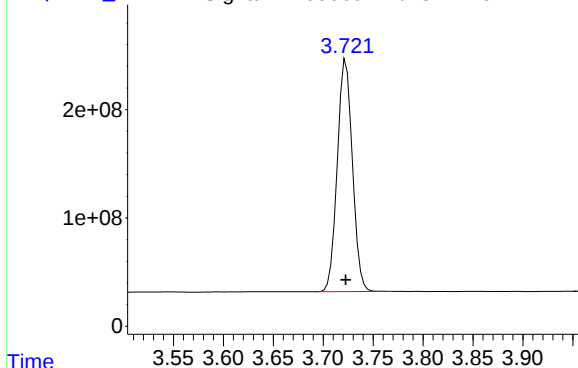
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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Supervised By :mohammad ahmed 10/24/2025

Time Response_ Signal: PD090692.D\ECD2B.ch

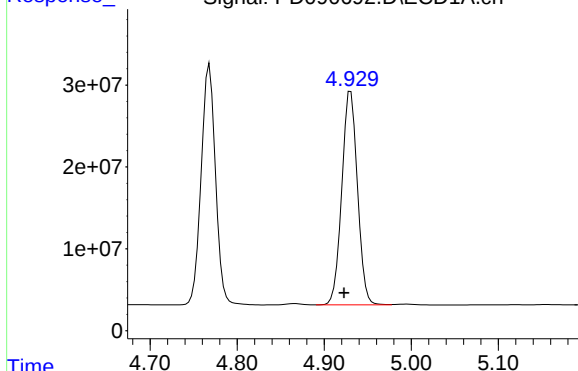
#3 gamma-BHC (Lindane)



R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2262982934
Conc: 47.89 ng/ml

Time Response_ Signal: PD090692.D\ECD1A.ch

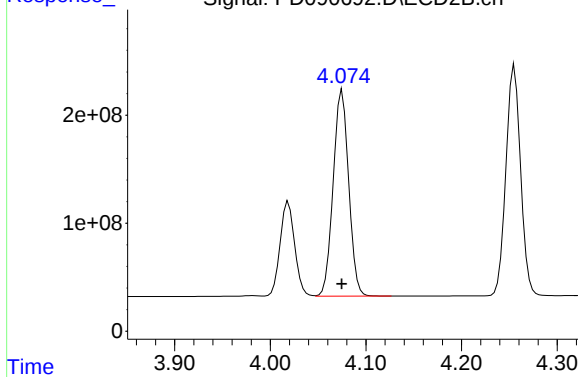
#4 Heptachlor



R.T.: 4.930 min
Delta R.T.: 0.008 min
Response: 326342202
Conc: 58.38 ng/ml

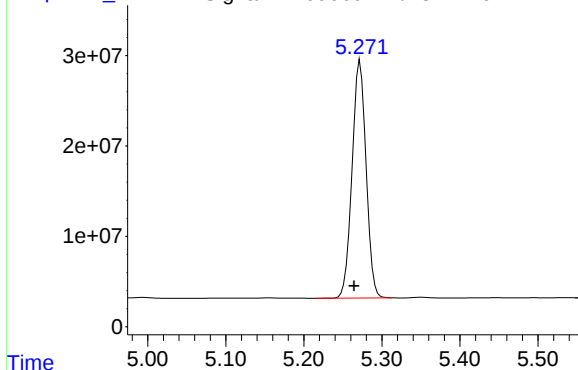
Time Response_ Signal: PD090692.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2144192731
Conc: 48.07 ng/ml

Response_ Signal: PD090692.D\ECD1A.ch



#5 Aldrin

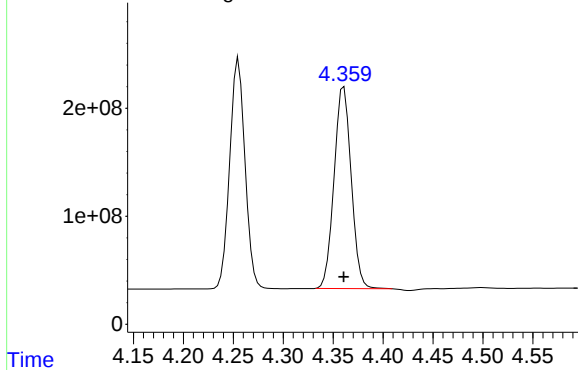
R.T.: 5.272 min
 Delta R.T.: 0.008 min
 Response: 327416052
 Conc: 50.01 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

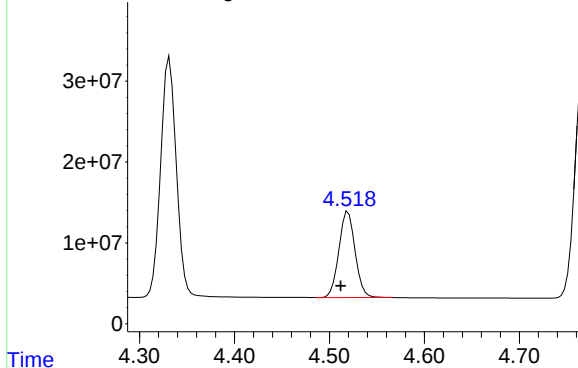
Response_ Signal: PD090692.D\ECD2B.ch



#5 Aldrin

R.T.: 4.361 min
 Delta R.T.: 0.000 min
 Response: 2230641826
 Conc: 48.16 ng/ml

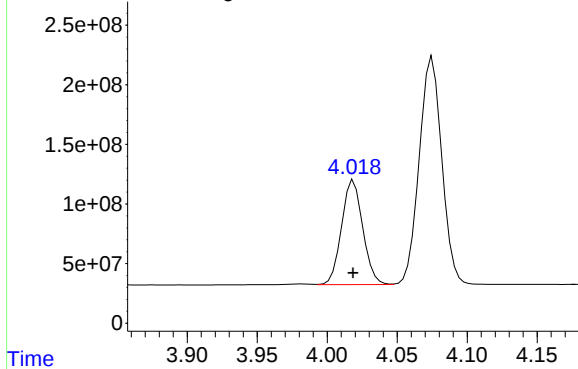
Response_ Signal: PD090692.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.518 min
 Delta R.T.: 0.006 min
 Response: 126710729
 Conc: 48.37 ng/ml m

Response_ Signal: PD090692.D\ECD2B.ch

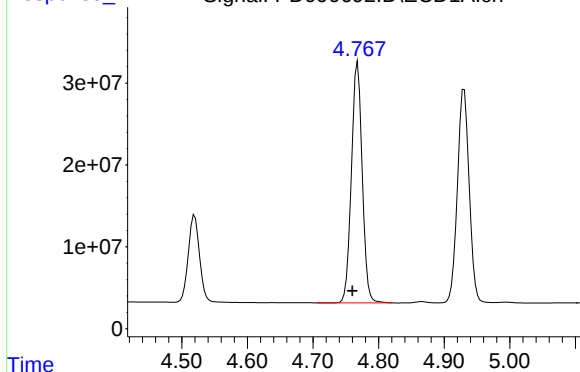


#6 beta-BHC

R.T.: 4.019 min
 Delta R.T.: 0.000 min
 Response: 926380688
 Conc: 46.72 ng/ml

Response_ Signal: PD090692.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.768 min
Delta R.T.: 0.008 min
Response: 336297470
Conc: 49.74 ng/ml

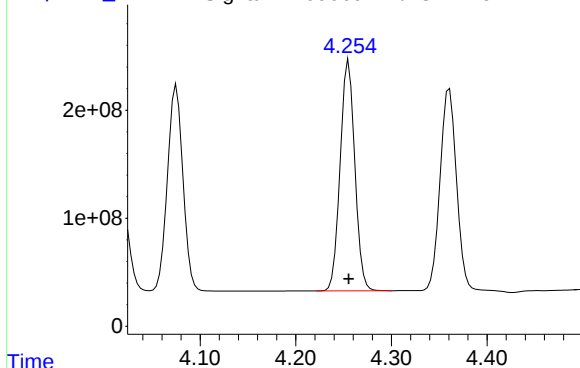
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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Supervised By :mohammad ahmed 10/24/2025

Time Response_ Signal: PD090692.D\ECD2B.ch

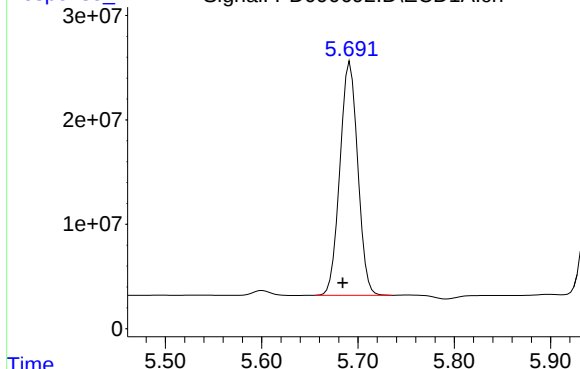
#7 delta-BHC



R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2277679856
Conc: 47.73 ng/ml

Time Response_ Signal: PD090692.D\ECD1A.ch

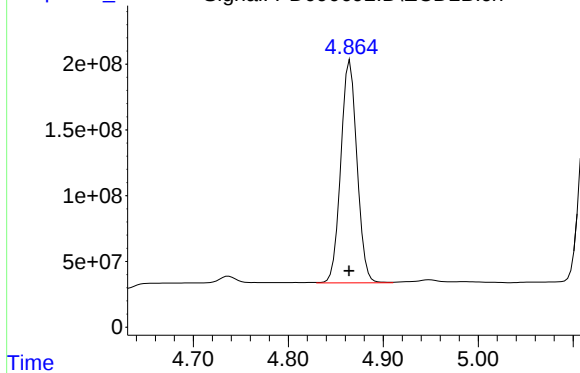
#8 Heptachlor epoxide



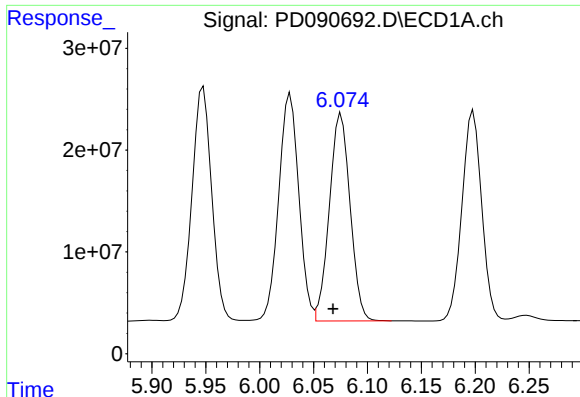
R.T.: 5.691 min
Delta R.T.: 0.006 min
Response: 287514463
Conc: 49.67 ng/ml m

Time Response_ Signal: PD090692.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 2007986080
Conc: 47.09 ng/ml



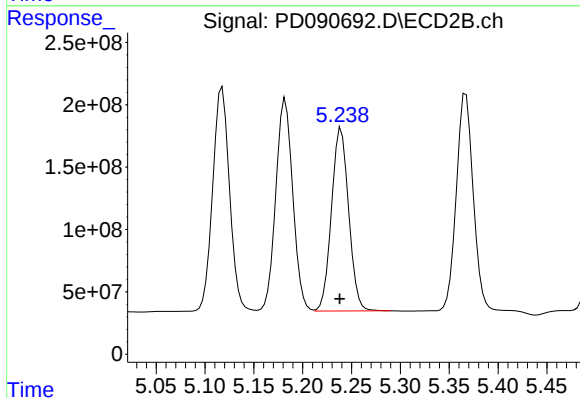
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.008 min
Response: 272338578
Conc: 49.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

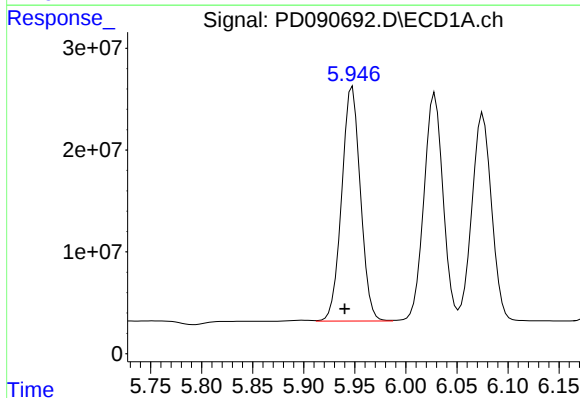
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



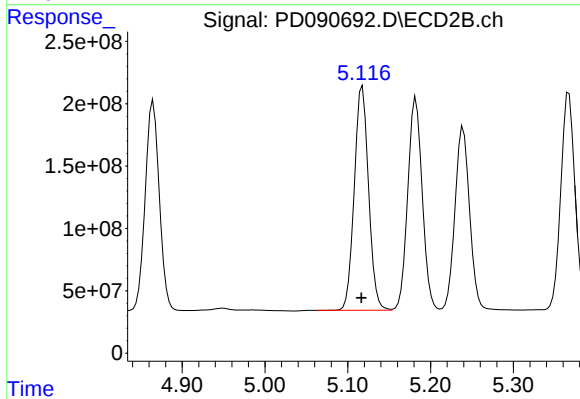
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.001 min
Response: 1800071944
Conc: 45.70 ng/ml



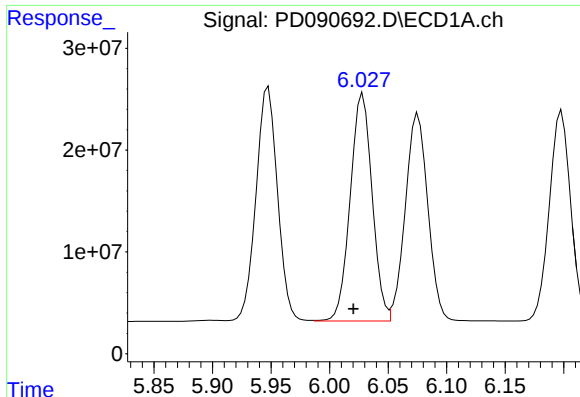
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.008 min
Response: 294141191
Conc: 49.59 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 2158169700
Conc: 48.01 ng/ml



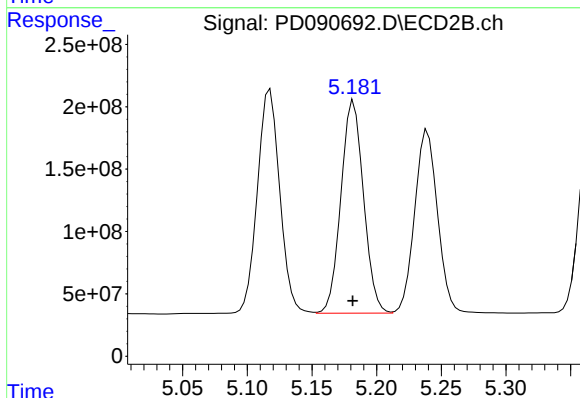
#11 alpha-Chlordane

R.T.: 6.028 min
 Delta R.T.: 0.008 min
 Response: 291358527
 Conc: 47.14 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

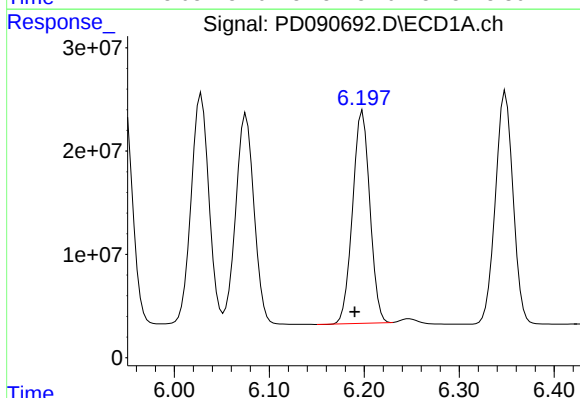
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025



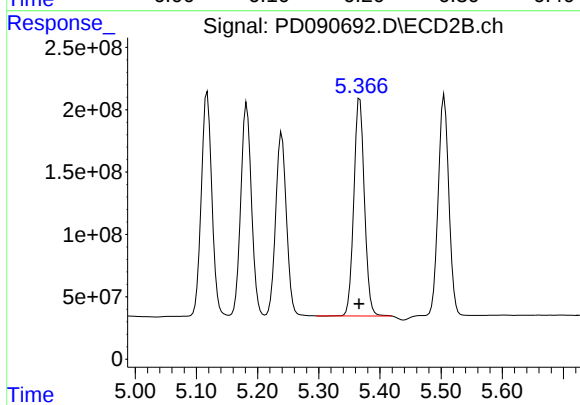
#11 alpha-Chlordane

R.T.: 5.182 min
 Delta R.T.: 0.000 min
 Response: 2067696000
 Conc: 47.93 ng/ml



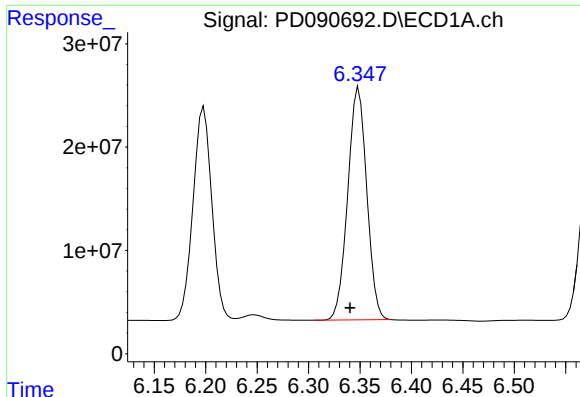
#12 4,4'-DDE

R.T.: 6.198 min
 Delta R.T.: 0.008 min
 Response: 259638122
 Conc: 48.74 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
 Delta R.T.: 0.001 min
 Response: 2106930275
 Conc: 48.06 ng/ml



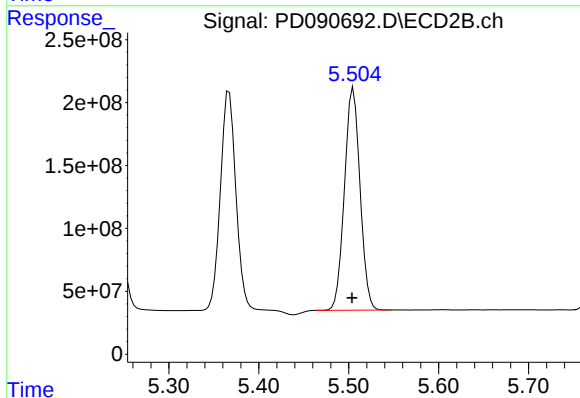
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.008 min
Response: 289637912
Conc: 49.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

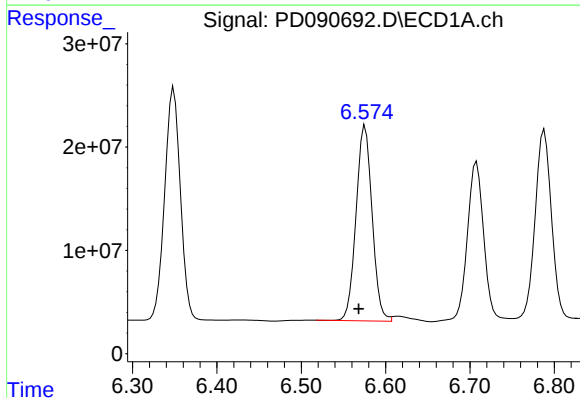
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



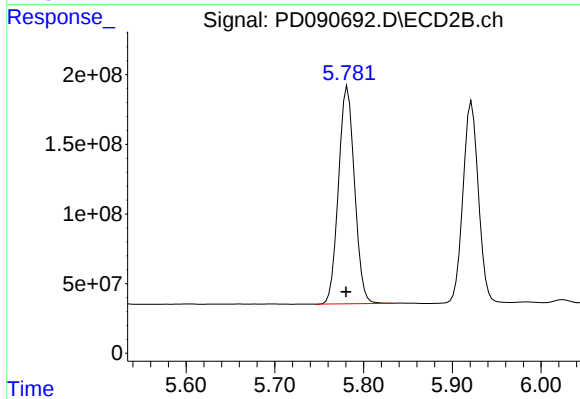
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.001 min
Response: 2129690574
Conc: 48.20 ng/ml



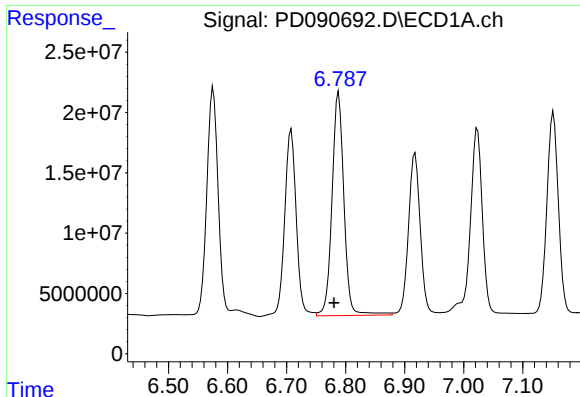
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.008 min
Response: 250096105
Conc: 50.49 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.002 min
Response: 1960977907
Conc: 48.43 ng/ml



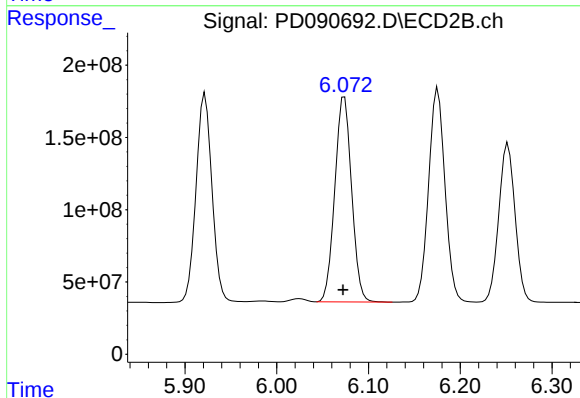
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.007 min
Response: 260450277
Conc: 52.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

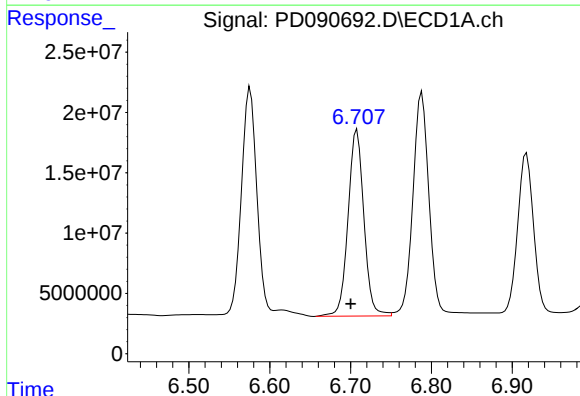
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



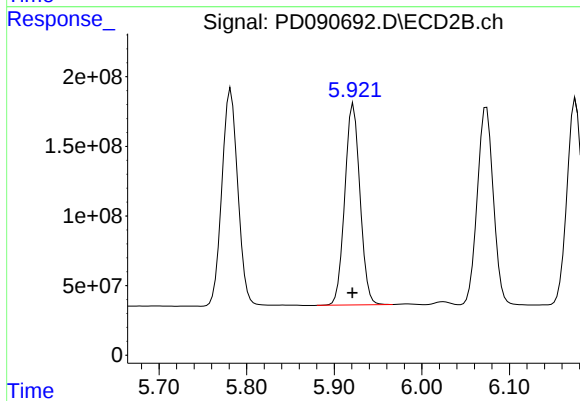
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.002 min
Response: 1808064881
Conc: 48.14 ng/ml



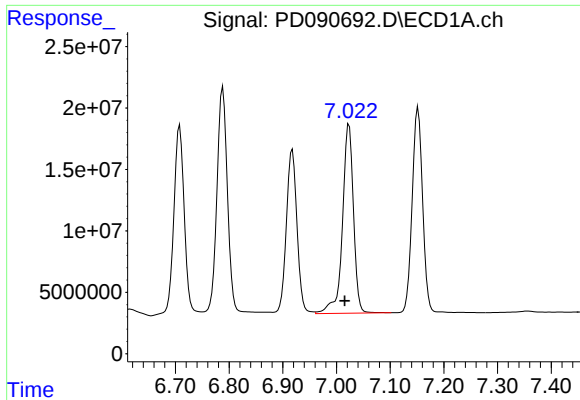
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.008 min
Response: 210596853
Conc: 51.95 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.001 min
Response: 1743431710
Conc: 47.85 ng/ml



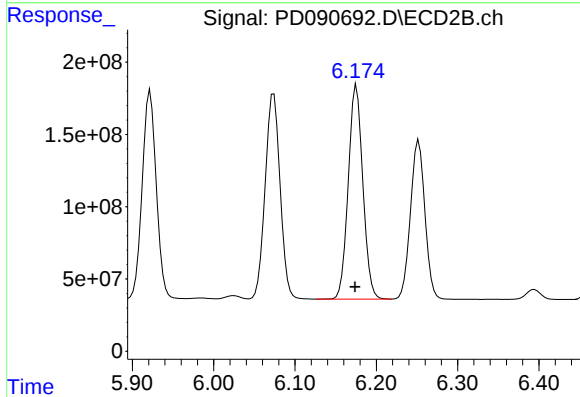
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.008 min
Response: 220200530
Conc: 53.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

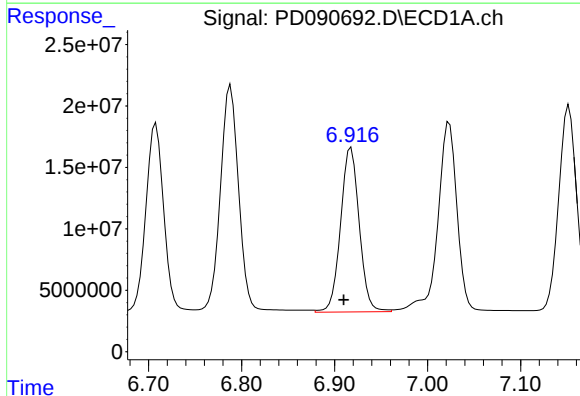
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



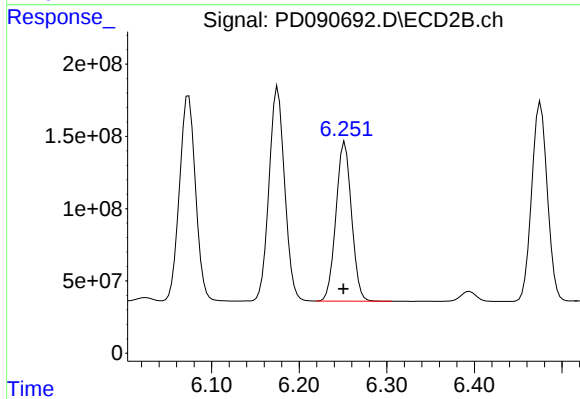
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.002 min
Response: 1837582056
Conc: 52.39 ng/ml



#18 Endrin aldehyde

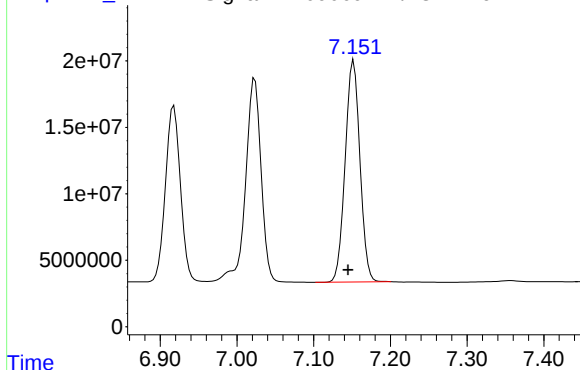
R.T.: 6.918 min
Delta R.T.: 0.008 min
Response: 186352241
Conc: 50.88 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.002 min
Response: 1360934888
Conc: 49.14 ng/ml

Response_ Signal: PD090692.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.007 min
Response: 224075907
Conc: 48.31 ng/ml

Instrument :

ECD_D

ClientSampleId :

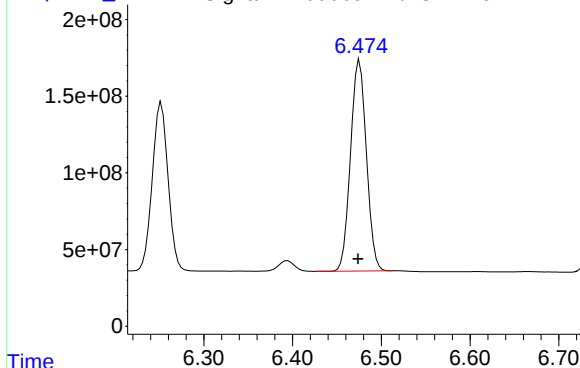
PSTDCCC050

Manual Integrations

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Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

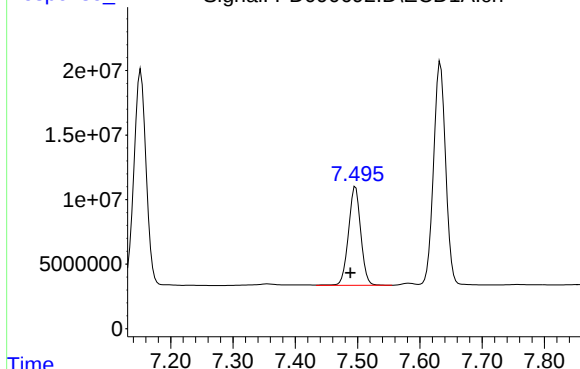
Time Response_ Signal: PD090692.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.002 min
Response: 1709277787
Conc: 47.69 ng/ml

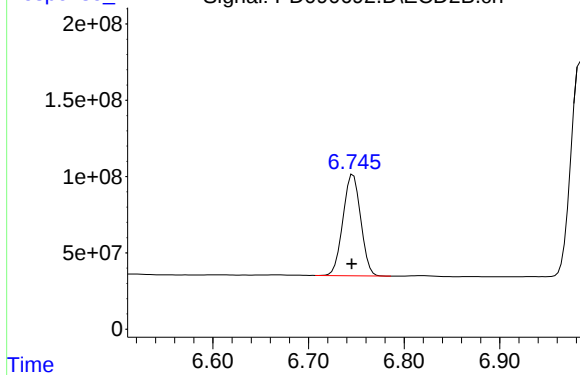
Time Response_ Signal: PD090692.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.008 min
Response: 105459900
Conc: 49.61 ng/ml

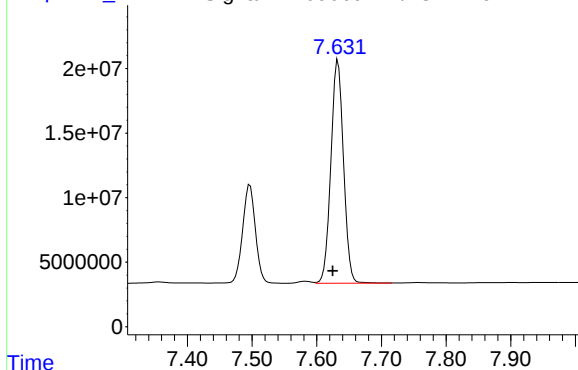
Time Response_ Signal: PD090692.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 858619724
Conc: 49.27 ng/ml

Response_ Signal: PD090692.D\ECD1A.ch



#21 Endrin ketone

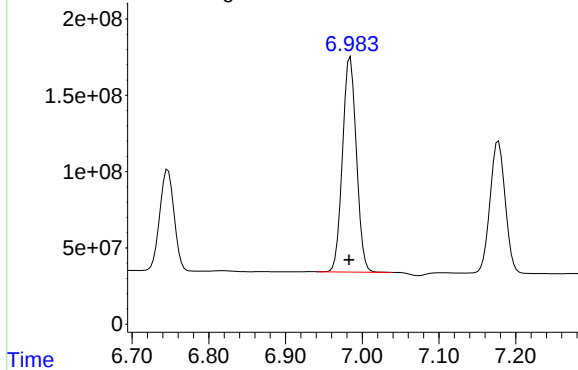
R.T.: 7.633 min
Delta R.T.: 0.008 min
Response: 233967349
Conc: 48.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

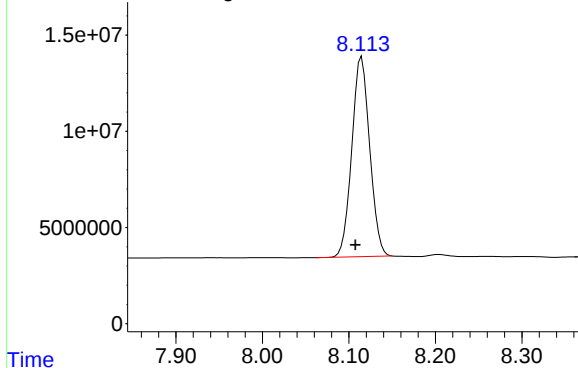
Response_ Signal: PD090692.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.002 min
Response: 1776921564
Conc: 47.11 ng/ml

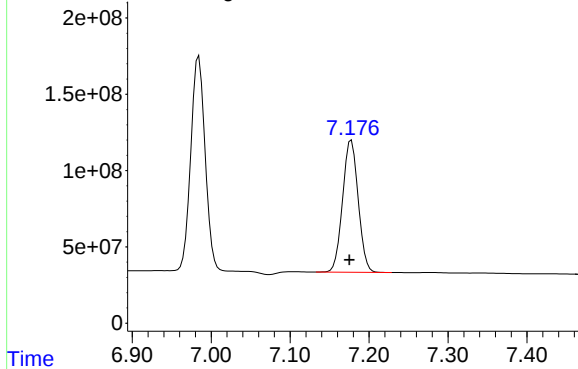
Response_ Signal: PD090692.D\ECD1A.ch



#22 Mirex

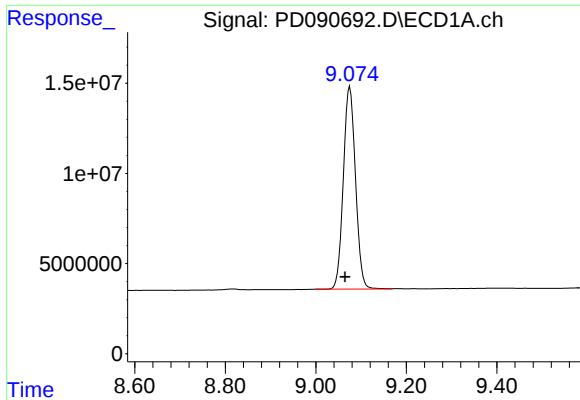
R.T.: 8.115 min
Delta R.T.: 0.007 min
Response: 148994111
Conc: 46.55 ng/ml

Response_ Signal: PD090692.D\ECD2B.ch



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.002 min
Response: 1188689966
Conc: 46.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.011 min
Response: 209437965
Conc: 44.77 ng/ml

Instrument :

ECD_D

ClientSampleId :

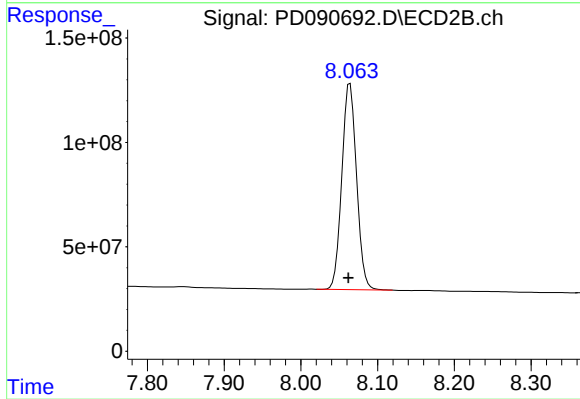
PSTDCCC050

Manual Integrations

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Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.002 min
Response: 1319677711
Conc: 43.57 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Continuing Calib Date: 10/20/2025

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

10/17/2025

Continuing Calib Time: 16:52

Initial Calibration Time(s): 11:34

12:28

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

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



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Continuing Calib Date: 10/20/2025

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

10/17/2025

Continuing Calib Time: 16:52

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.47	6.37	6.57	0.00
4,4'-DDT	6.18	6.17	6.07	6.27	-0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/20/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090704.D **Time Analyzed:** 16:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.705	6.600	6.800	48.680	50.000	-2.6
4,4'-DDE	6.194	6.090	6.290	49.130	50.000	-1.7
4,4'-DDT	7.020	6.915	7.115	50.170	50.000	0.3
Aldrin	5.268	5.164	5.364	50.130	50.000	0.3
alpha-BHC	3.998	3.894	4.094	51.720	50.000	3.4
alpha-Chlordane	6.025	5.921	6.121	46.990	50.000	-6.0
beta-BHC	4.516	4.412	4.612	49.800	50.000	-0.4
Decachlorobiphenyl	9.071	8.964	9.164	45.330	50.000	-9.3
delta-BHC	4.764	4.660	4.860	50.830	50.000	1.7
Dieldrin	6.345	6.240	6.440	49.160	50.000	-1.7
Endosulfan I	6.072	5.968	6.168	48.730	50.000	-2.5
Endosulfan II	6.786	6.681	6.881	47.790	50.000	-4.4
Endosulfan sulfate	7.149	7.045	7.245	47.780	50.000	-4.4
Endrin	6.572	6.468	6.668	49.220	50.000	-1.6
Endrin aldehyde	6.914	6.810	7.010	48.100	50.000	-3.8
Endrin ketone	7.630	7.525	7.725	47.980	50.000	-4.0
gamma-BHC (Lindane)	4.329	4.225	4.425	51.230	50.000	2.5
gamma-Chlordane	5.944	5.840	6.040	48.950	50.000	-2.1
Heptachlor	4.927	4.823	5.023	53.180	50.000	6.4
Heptachlor epoxide	5.688	5.584	5.784	49.080	50.000	-1.8
Methoxychlor	7.493	7.388	7.588	48.060	50.000	-3.9
Tetrachloro-m-xylene	3.548	3.445	3.645	48.690	50.000	-2.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/20/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090704.D **Time Analyzed:** 16:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.922	5.821	6.021	46.010	50.000	-8.0
4,4'-DDE	5.366	5.266	5.466	46.950	50.000	-6.1
4,4'-DDT	6.175	6.074	6.274	48.270	50.000	-3.5
Aldrin	4.361	4.261	4.461	48.320	50.000	-3.4
alpha-BHC	3.386	3.287	3.487	48.670	50.000	-2.7
alpha-Chlordane	5.182	5.081	5.281	47.280	50.000	-5.4
beta-BHC	4.019	3.919	4.119	47.960	50.000	-4.1
Decachlorobiphenyl	8.062	7.962	8.162	41.240	50.000	-17.5
delta-BHC	4.255	4.155	4.355	48.300	50.000	-3.4
Dieldrin	5.504	5.404	5.604	47.340	50.000	-5.3
Endosulfan I	5.239	5.138	5.338	47.430	50.000	-5.1
Endosulfan II	6.073	5.972	6.172	46.400	50.000	-7.2
Endosulfan sulfate	6.475	6.374	6.574	46.130	50.000	-7.7
Endrin	5.781	5.681	5.881	47.050	50.000	-5.9
Endrin aldehyde	6.251	6.150	6.350	46.270	50.000	-7.5
Endrin ketone	6.984	6.883	7.083	45.010	50.000	-10.0
gamma-BHC (Lindane)	3.723	3.623	3.823	48.540	50.000	-2.9
gamma-Chlordane	5.117	5.017	5.217	47.560	50.000	-4.9
Heptachlor	4.075	3.975	4.175	48.460	50.000	-3.1
Heptachlor epoxide	4.865	4.764	4.964	46.960	50.000	-6.1
Methoxychlor	6.746	6.645	6.845	46.850	50.000	-6.3
Tetrachloro-m-xylene	2.874	2.775	2.975	48.050	50.000	-3.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090704.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 16:52
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:52:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.874	151.6E6	1430.8E6	48.693	48.051
2)	SA Decachlor...	9.071	8.062	212.1E6	1249.1E6	45.333	41.237
Target Compounds							
2)	A alpha-BHC	3.998	3.386	371.2E6	2487.1E6	51.719	48.675
3)	MA gamma-BHC...	4.329	3.723	348.3E6	2293.7E6	51.232	48.544
4)	MA Heptachlor	4.927	4.075	297.3E6	2161.3E6	53.185	48.456
5)	MB Aldrin	5.268	4.361	328.2E6	2238.2E6	50.133	48.321
6)	B beta-BHC	4.516	4.019	130.5E6	951.0E6	49.799	47.960
7)	B delta-BHC	4.764	4.255	343.7E6	2304.5E6	50.833	48.296
8)	B Heptachlo...	5.688	4.865	284.1E6	2002.4E6	49.083	46.961
9)	A Endosulfan I	6.072	5.239	269.8E6	1868.2E6	48.728	47.428
10)	B gamma-Chl...	5.944	5.117	290.3E6	2137.9E6	48.951	47.562
11)	B alpha-Chl...	6.025	5.182	290.4E6	2039.5E6	46.989	47.278
12)	B 4,4'-DDE	6.194	5.366	261.7E6	2058.1E6	49.131	46.947
13)	MA Dieldrin	6.345	5.504	286.7E6	2091.8E6	49.157	47.344
14)	MA Endrin	6.572	5.781	243.8E6	1905.1E6	49.219	47.046
15)	B Endosulfa...	6.786	6.073	239.0E6	1742.6E6	47.793	46.400
16)	A 4,4'-DDD	6.705	5.922	197.4E6	1676.7E6	48.679	46.014
17)	MA 4,4'-DDT	7.020	6.175	206.2E6	1693.0E6	50.171	48.271
18)	B Endrin al...	6.914	6.251	176.2E6	1281.3E6	48.096	46.268
19)	B Endosulfa...	7.149	6.475	221.6E6	1653.6E6	47.775	46.133
20)	A Methoxychlor	7.493	6.746	102.2E6	816.6E6	48.063	46.854
21)	B Endrin ke...	7.630	6.984	233.1E6	1697.5E6	47.975	45.007
22)	Mirex	8.111	7.177	146.5E6	1130.3E6	45.766	43.994

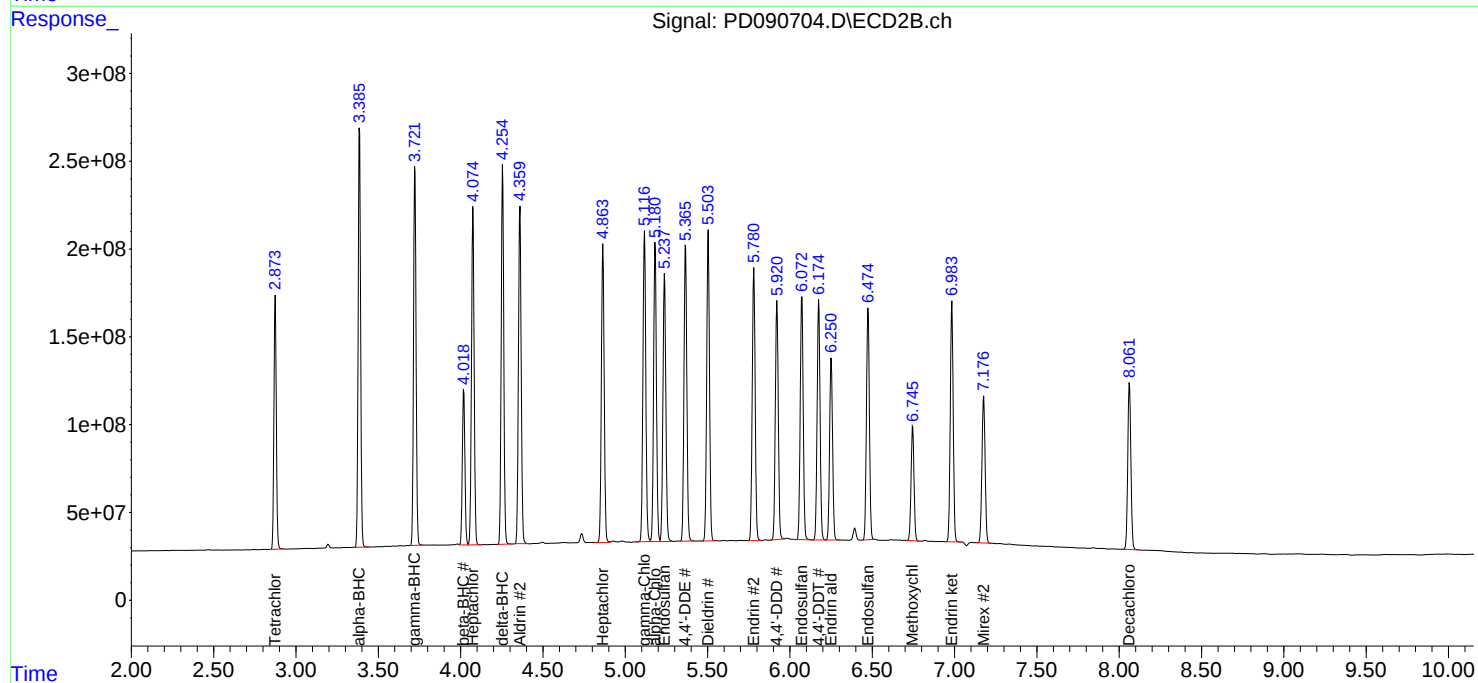
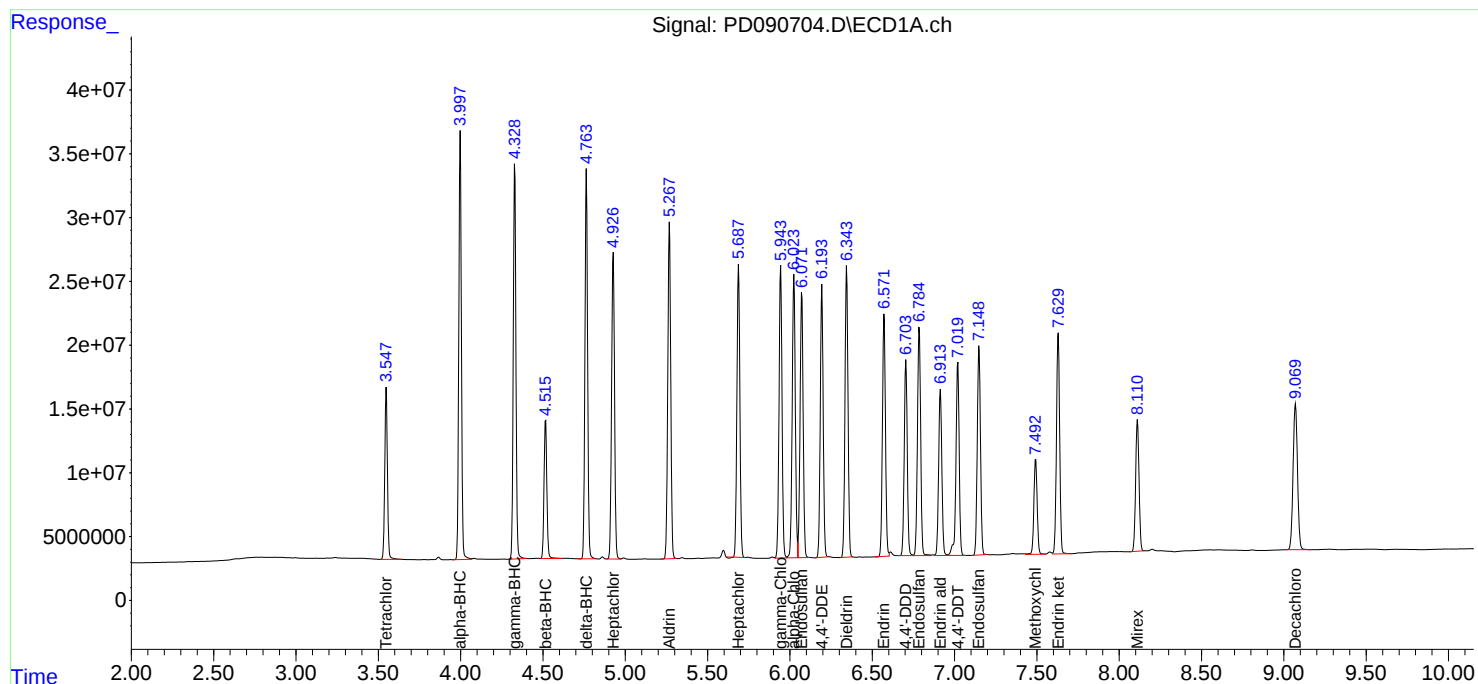
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

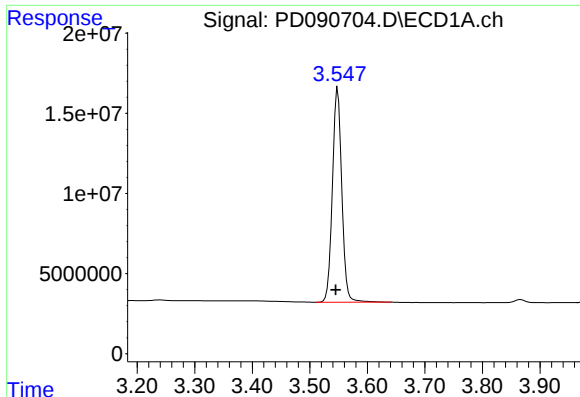
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090704.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 16:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:52:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

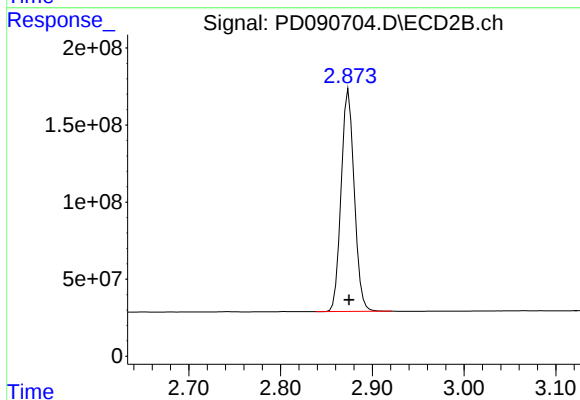




#1 Tetrachloro-m-xylene

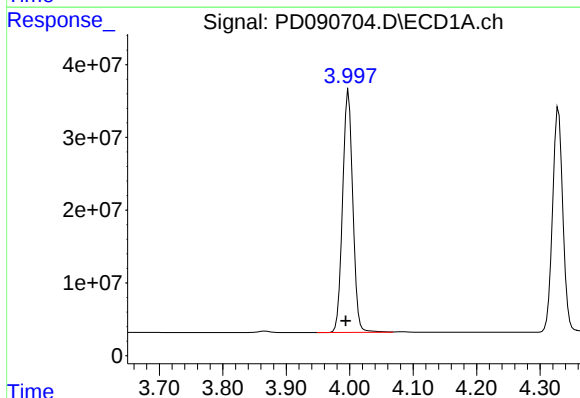
R.T.: 3.548 min
Delta R.T.: 0.003 min
Response: 151637672
Conc: 48.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



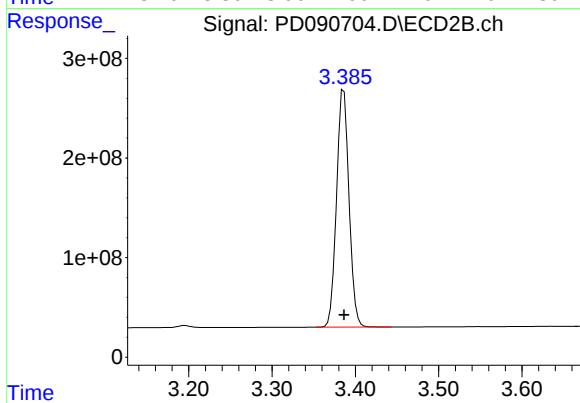
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1430816132
Conc: 48.05 ng/ml



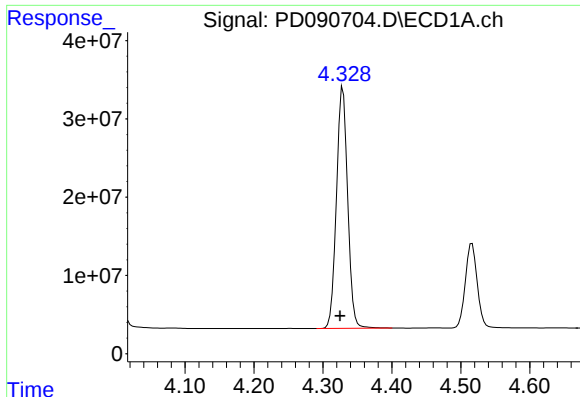
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.004 min
Response: 371194835
Conc: 51.72 ng/ml



#2 alpha-BHC

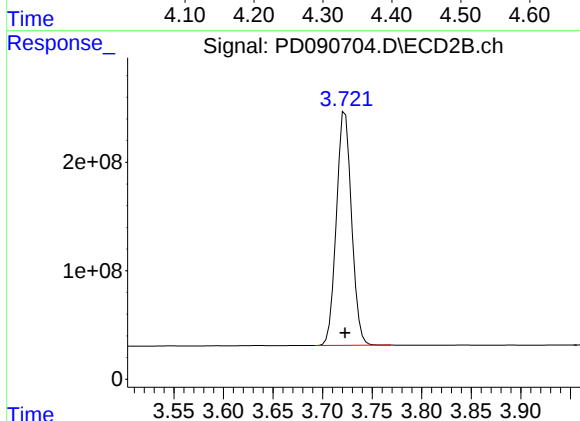
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2487082338
Conc: 48.67 ng/ml



#3 gamma-BHC (Lindane)

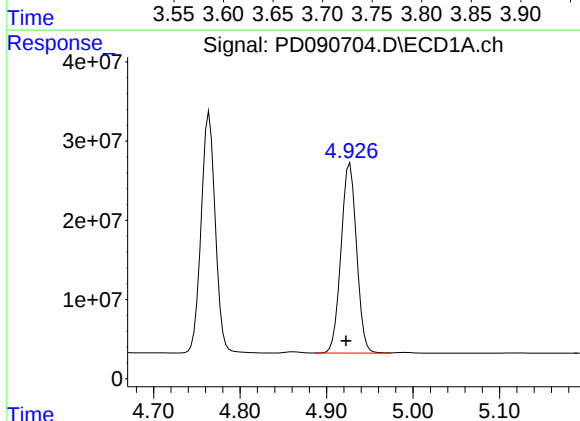
R.T.: 4.329 min
Delta R.T.: 0.004 min
Response: 348314184
Conc: 51.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



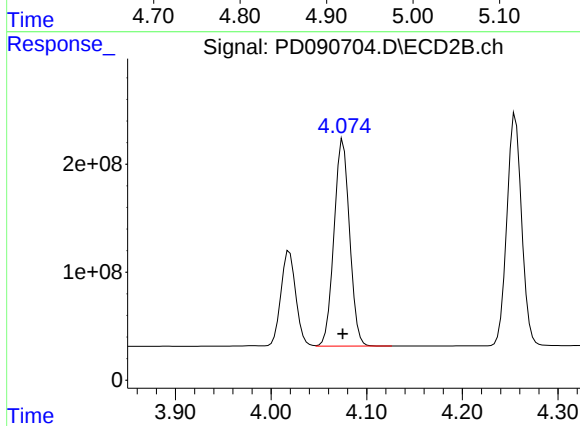
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2293651679
Conc: 48.54 ng/ml



#4 Heptachlor

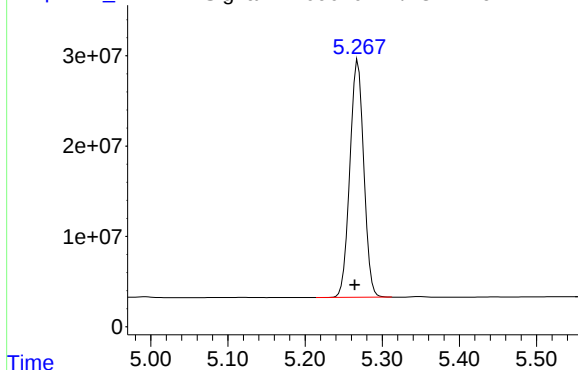
R.T.: 4.927 min
Delta R.T.: 0.004 min
Response: 297279975
Conc: 53.18 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2161281341
Conc: 48.46 ng/ml

Response_ Signal: PD090704.D\ECD1A.ch

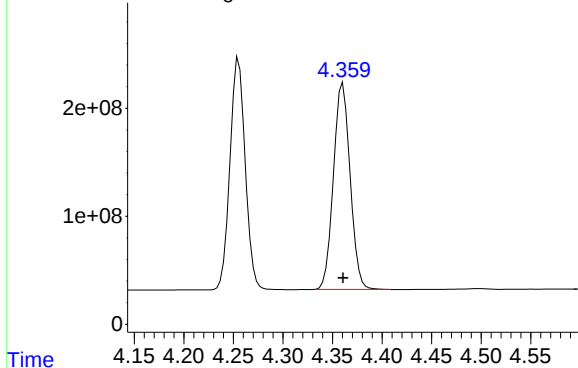


#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.004 min
Response: 328237723
Conc: 50.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

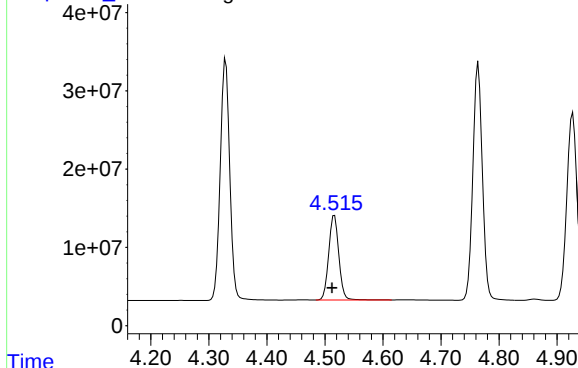
Response_ Signal: PD090704.D\ECD2B.ch



#5 Aldrin

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 2238183326
Conc: 48.32 ng/ml

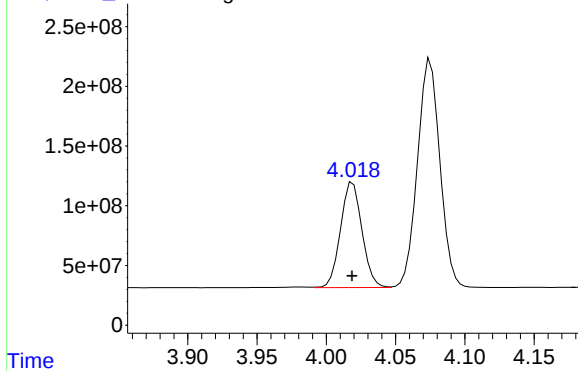
Response_ Signal: PD090704.D\ECD1A.ch



#6 beta-BHC

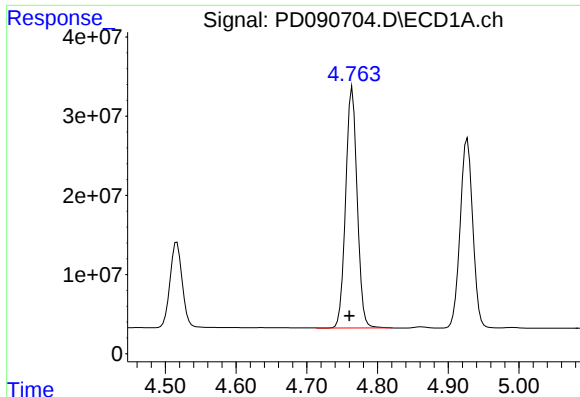
R.T.: 4.516 min
Delta R.T.: 0.004 min
Response: 130454590
Conc: 49.80 ng/ml

Response_ Signal: PD090704.D\ECD2B.ch



#6 beta-BHC

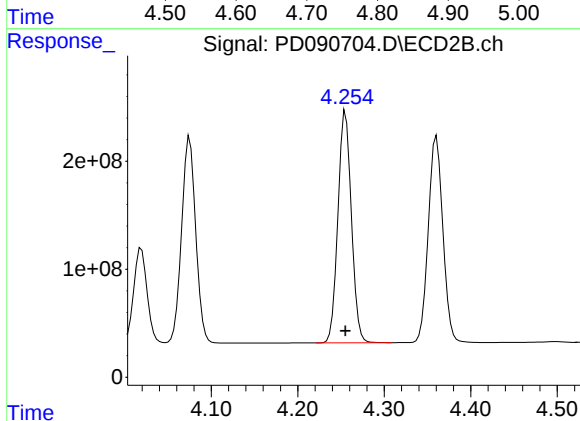
R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 951016542
Conc: 47.96 ng/ml



#7 delta-BHC

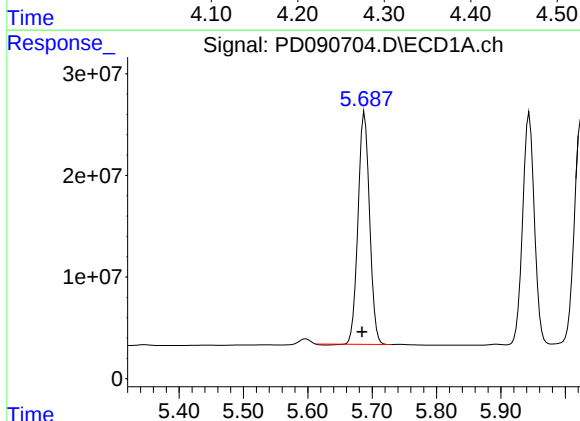
R.T.: 4.764 min
Delta R.T.: 0.004 min
Response: 343719546
Conc: 50.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



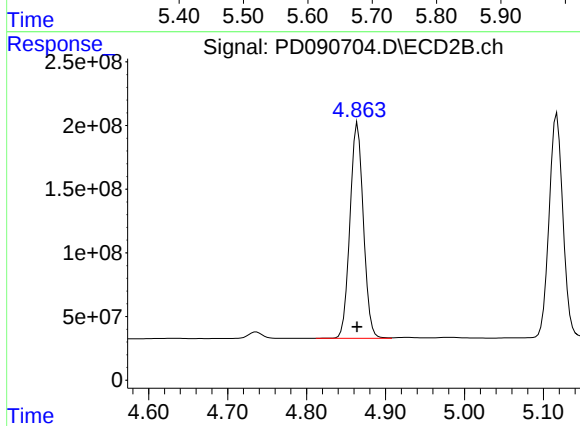
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2304509884
Conc: 48.30 ng/ml



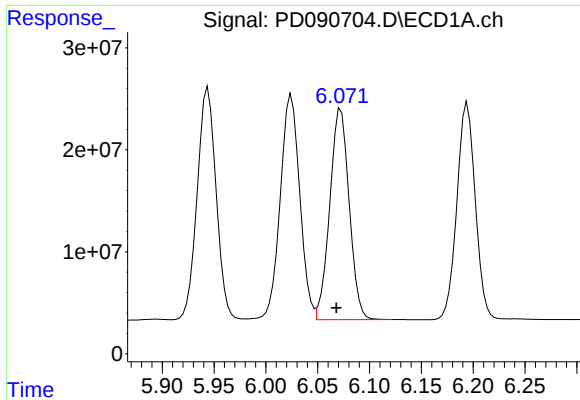
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.004 min
Response: 284144735
Conc: 49.08 ng/ml



#8 Heptachlor epoxide

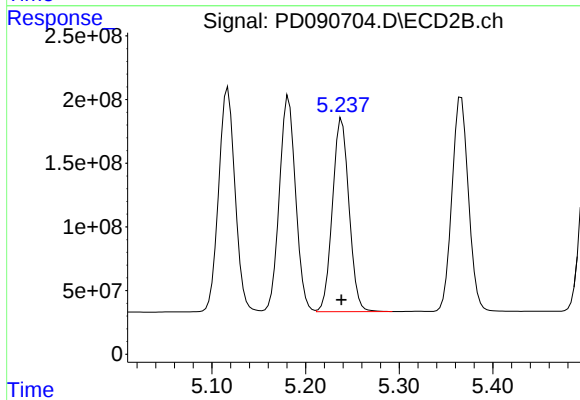
R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 2002353042
Conc: 46.96 ng/ml



#9 Endosulfan I

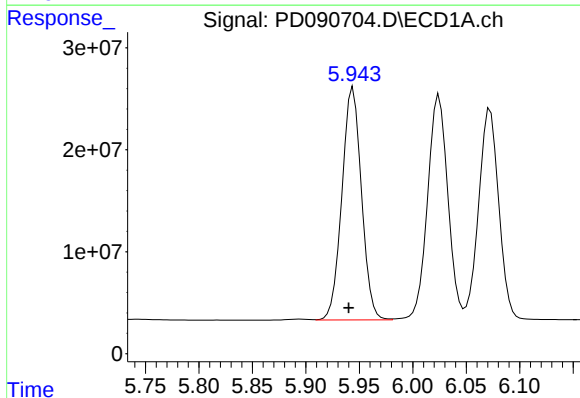
R.T.: 6.072 min
Delta R.T.: 0.004 min
Response: 269792259
Conc: 48.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



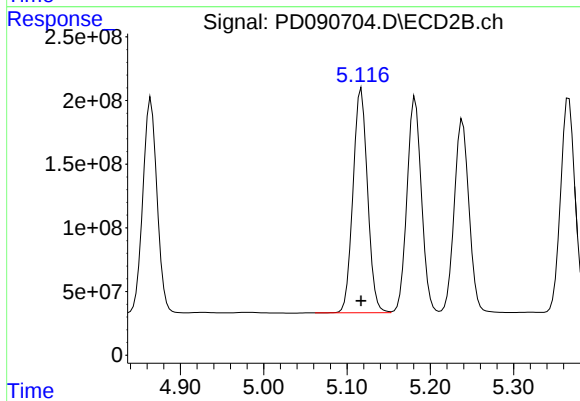
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1868188258
Conc: 47.43 ng/ml



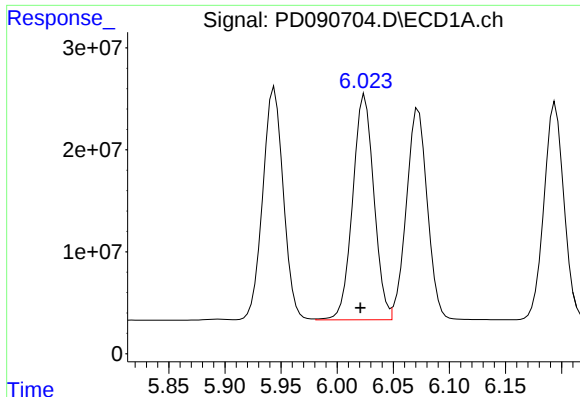
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.004 min
Response: 290337758
Conc: 48.95 ng/ml



#10 gamma-Chlordane

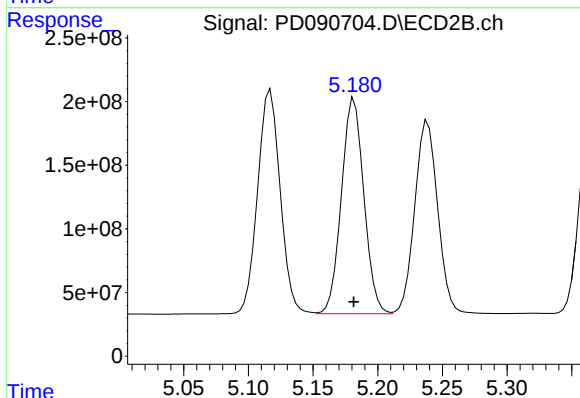
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2137868408
Conc: 47.56 ng/ml



#11 alpha-Chlordane

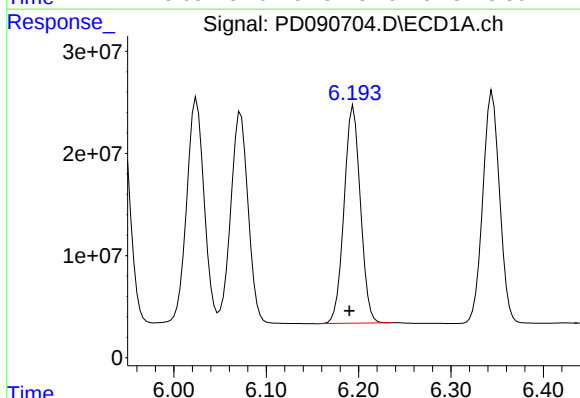
R.T.: 6.025 min
Delta R.T.: 0.004 min
Response: 290403540
Conc: 46.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



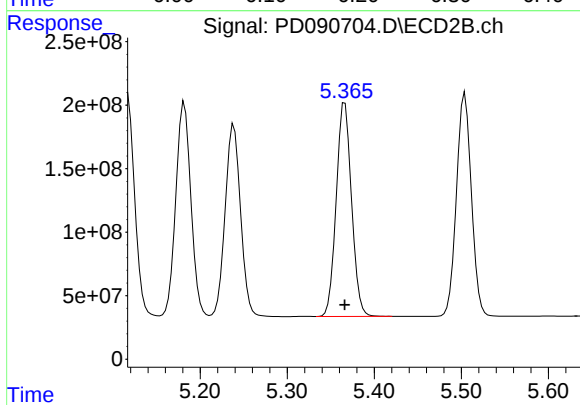
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 2039462137
Conc: 47.28 ng/ml



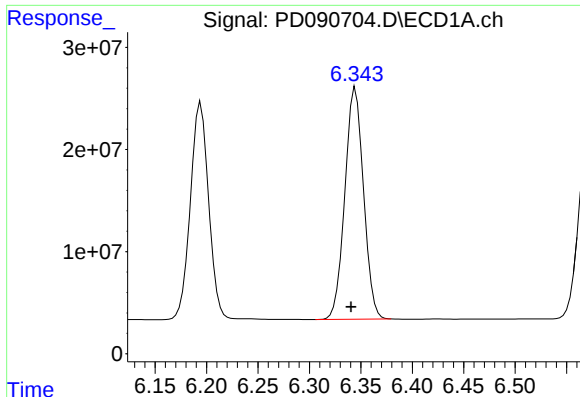
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.004 min
Response: 261704345
Conc: 49.13 ng/ml



#12 4,4'-DDE

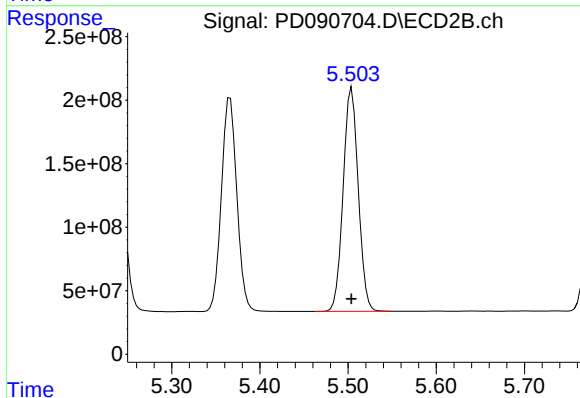
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2058055379
Conc: 46.95 ng/ml



#13 Dieldrin

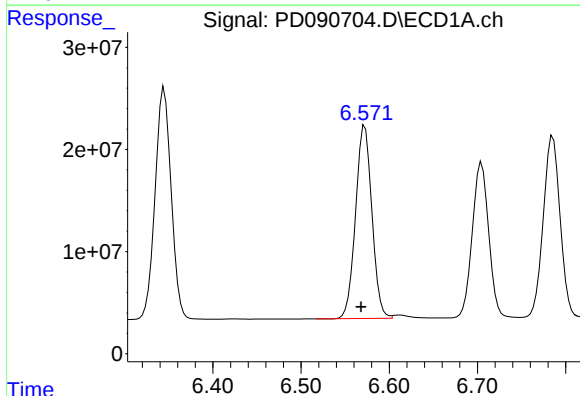
R.T.: 6.345 min
Delta R.T.: 0.004 min
Response: 286653878
Conc: 49.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



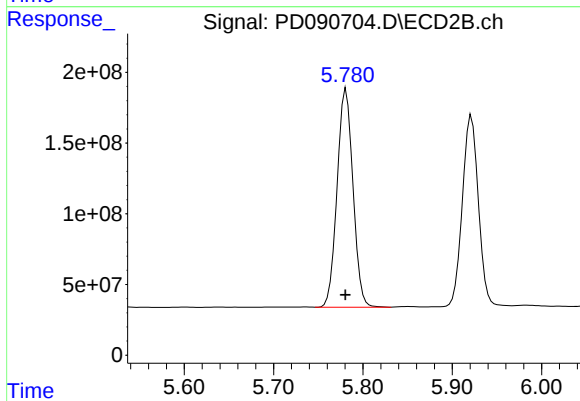
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2091833089
Conc: 47.34 ng/ml



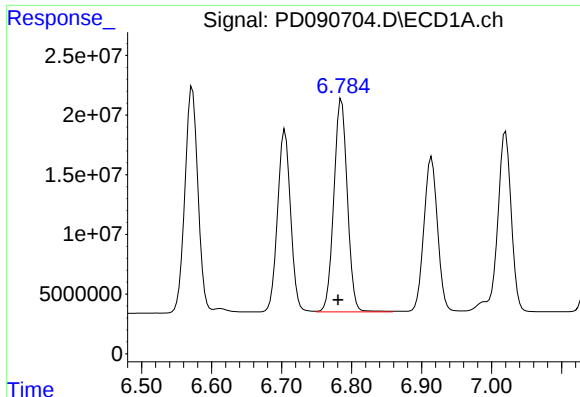
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.004 min
Response: 243816076
Conc: 49.22 ng/ml



#14 Endrin

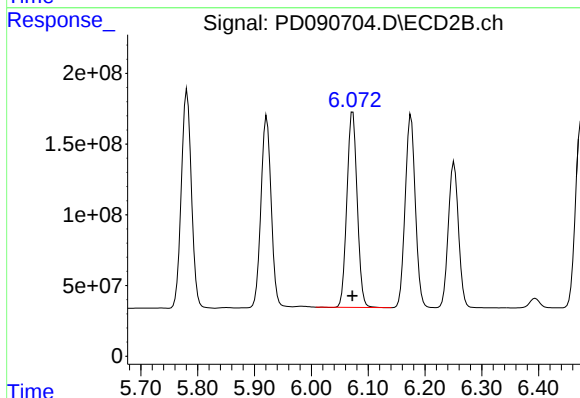
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1905075480
Conc: 47.05 ng/ml



#15 Endosulfan II

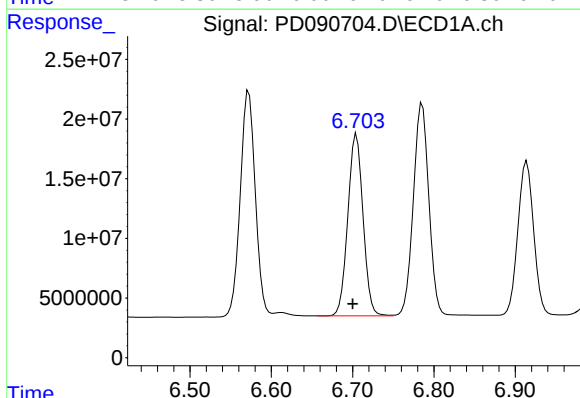
R.T.: 6.786 min
Delta R.T.: 0.005 min
Response: 238965529
Conc: 47.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



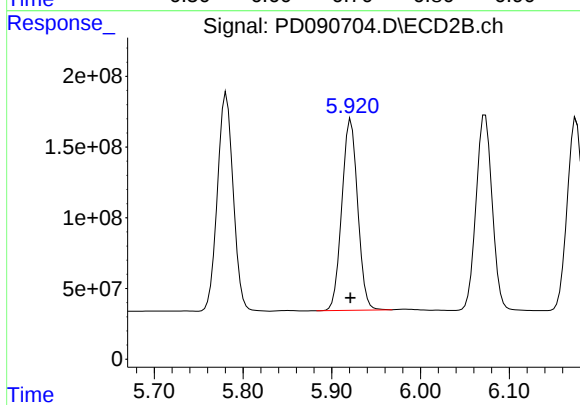
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1742574975
Conc: 46.40 ng/ml



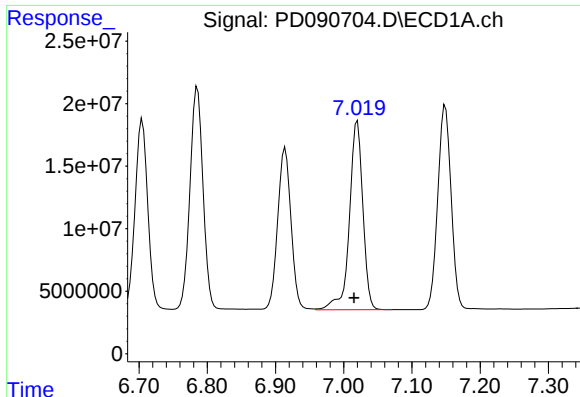
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.005 min
Response: 197355500
Conc: 48.68 ng/ml



#16 4,4'-DDD

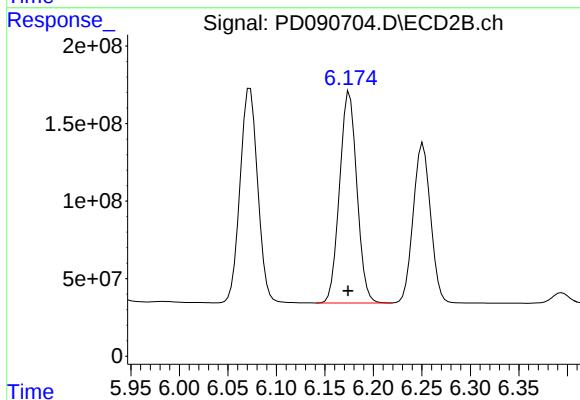
R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1676654638
Conc: 46.01 ng/ml



#17 4,4'-DDT

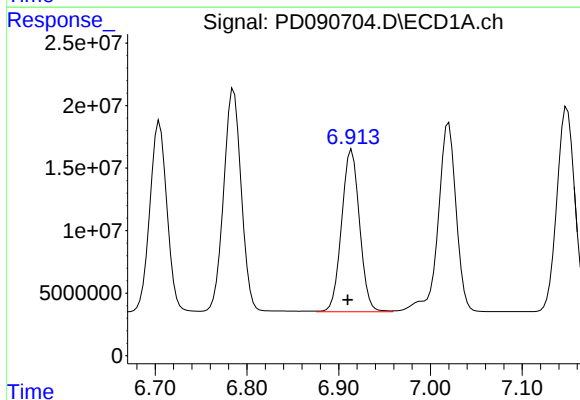
R.T.: 7.020 min
Delta R.T.: 0.005 min
Response: 206225462
Conc: 50.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



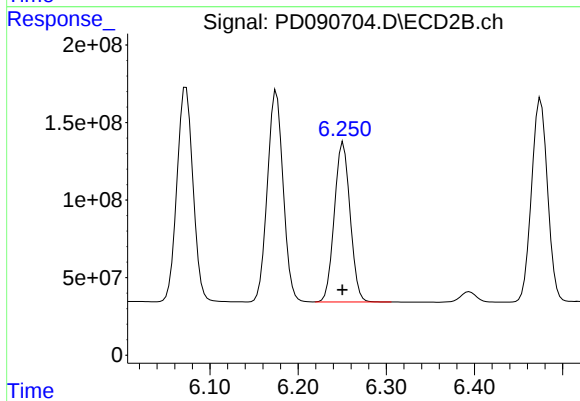
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.001 min
Response: 1693023486
Conc: 48.27 ng/ml



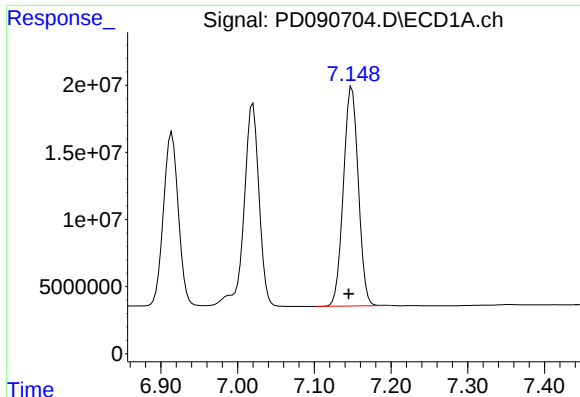
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.005 min
Response: 176160980
Conc: 48.10 ng/ml



#18 Endrin aldehyde

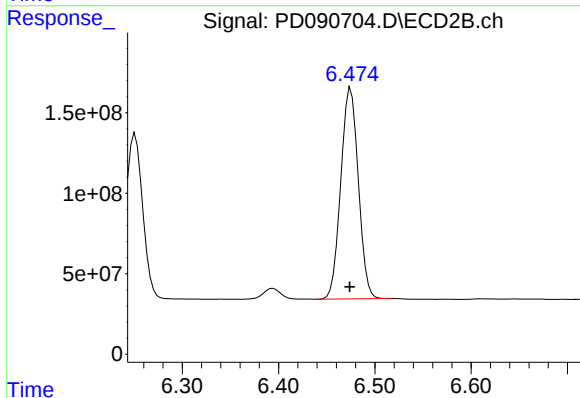
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1281286646
Conc: 46.27 ng/ml



#19 Endosulfan Sulfate

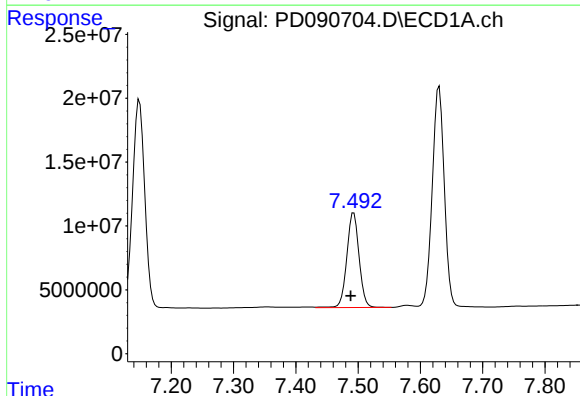
R.T.: 7.149 min
Delta R.T.: 0.004 min
Response: 221590659
Conc: 47.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



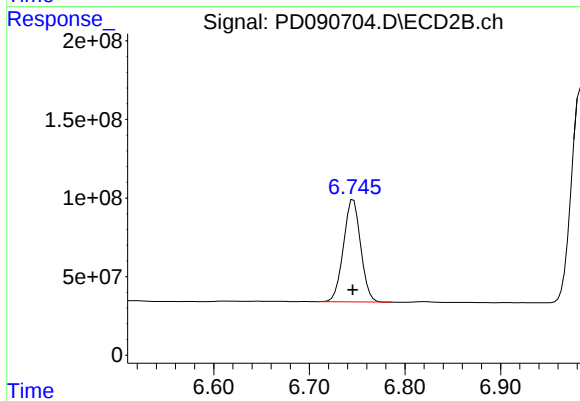
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.001 min
Response: 1653647914
Conc: 46.13 ng/ml



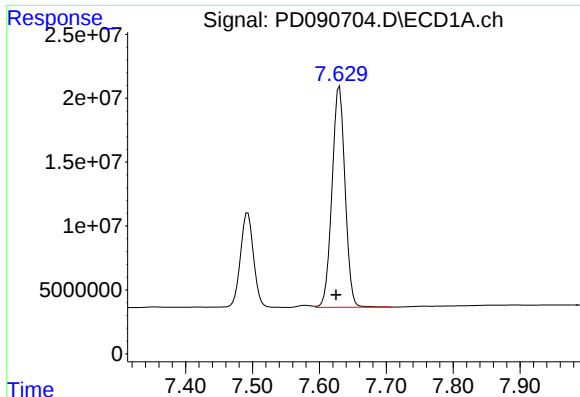
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.005 min
Response: 102162779
Conc: 48.06 ng/ml



#20 Methoxychlor

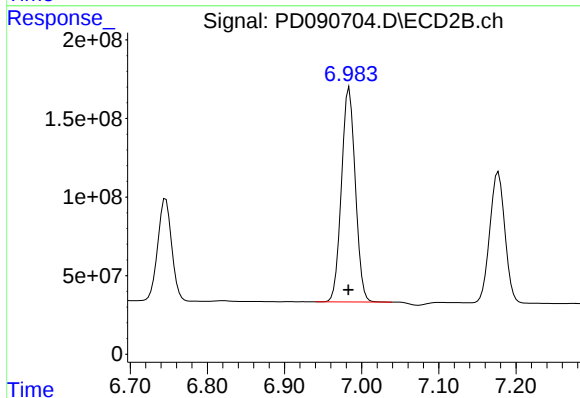
R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 816570700
Conc: 46.85 ng/ml



#21 Endrin ketone

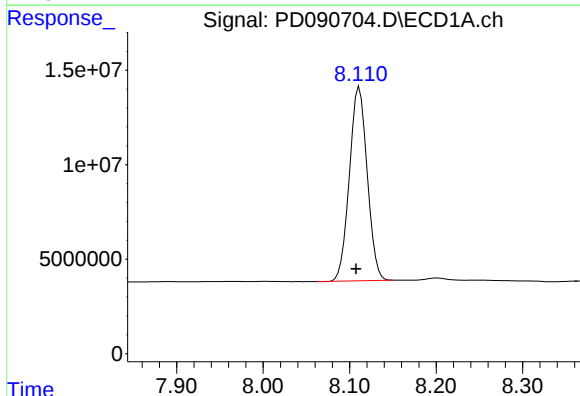
R.T.: 7.630 min
Delta R.T.: 0.005 min
Response: 233103952
Conc: 47.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



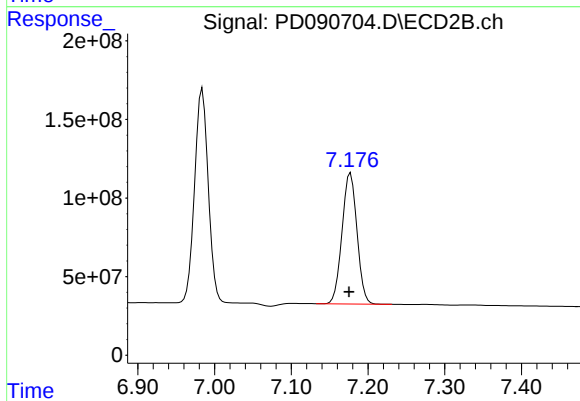
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.001 min
Response: 1697547964
Conc: 45.01 ng/ml



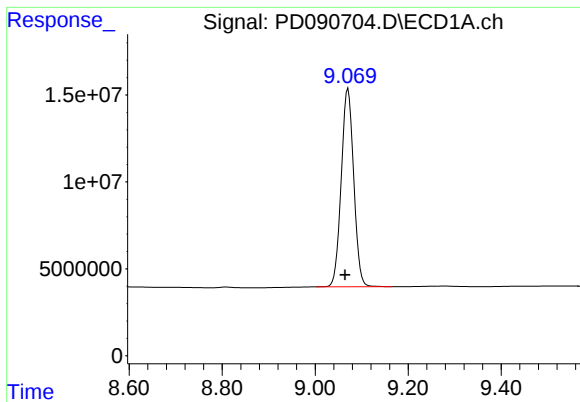
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.004 min
Response: 146488684
Conc: 45.77 ng/ml



#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.002 min
Response: 1130254006
Conc: 43.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min

Delta R.T.: 0.007 min

Response: 212065732

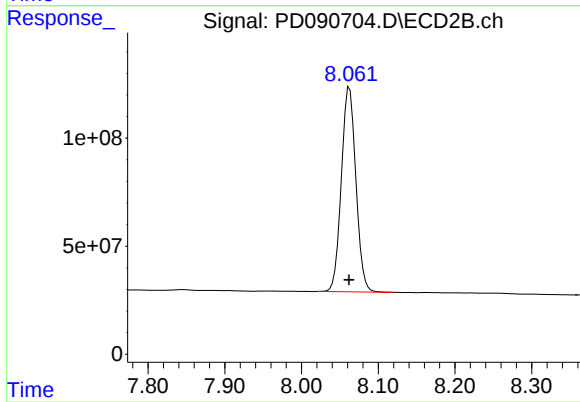
Conc: 45.33 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.062 min

Delta R.T.: 0.000 min

Response: 1249112809

Conc: 41.24 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Continuing Calib Date: 10/20/2025

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

10/17/2025

Continuing Calib Time: 19:09

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Continuing Calib Date: 10/20/2025

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

10/17/2025

Continuing Calib Time: 19:09

Initial Calibration Time(s): 11:34

12:28

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

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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/20/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090713.D **Time Analyzed:** 19:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	50.870	50.000	1.7
4,4'-DDE	6.190	6.090	6.290	50.630	50.000	1.3
4,4'-DDT	7.016	6.915	7.115	51.190	50.000	2.4
Aldrin	5.264	5.164	5.364	51.810	50.000	3.6
alpha-BHC	3.994	3.894	4.094	53.030	50.000	6.1
alpha-Chlordane	6.021	5.921	6.121	48.460	50.000	-3.1
beta-BHC	4.512	4.412	4.612	50.550	50.000	1.1
Decachlorobiphenyl	9.065	8.964	9.164	46.510	50.000	-7.0
delta-BHC	4.760	4.660	4.860	52.270	50.000	4.5
Dieldrin	6.341	6.240	6.440	51.090	50.000	2.2
Endosulfan I	6.068	5.968	6.168	50.490	50.000	1.0
Endosulfan II	6.781	6.681	6.881	49.930	50.000	-0.1
Endosulfan sulfate	7.144	7.045	7.245	49.480	50.000	-1.0
Endrin	6.568	6.468	6.668	50.890	50.000	1.8
Endrin aldehyde	6.910	6.810	7.010	50.140	50.000	0.3
Endrin ketone	7.625	7.525	7.725	49.830	50.000	-0.3
gamma-BHC (Lindane)	4.324	4.225	4.425	52.450	50.000	4.9
gamma-Chlordane	5.940	5.840	6.040	50.930	50.000	1.9
Heptachlor	4.923	4.823	5.023	52.090	50.000	4.2
Heptachlor epoxide	5.684	5.584	5.784	51.040	50.000	2.1
Methoxychlor	7.488	7.388	7.588	48.640	50.000	-2.7
Tetrachloro-m-xylene	3.544	3.445	3.645	50.600	50.000	1.2



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/20/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090713.D **Time Analyzed:** 19:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	48.360	50.000	-3.3
4,4'-DDE	5.365	5.266	5.466	48.900	50.000	-2.2
4,4'-DDT	6.173	6.074	6.274	50.220	50.000	0.4
Aldrin	4.360	4.261	4.461	49.500	50.000	-1.0
alpha-BHC	3.386	3.287	3.487	49.550	50.000	-0.9
alpha-Chlordane	5.181	5.081	5.281	49.160	50.000	-1.7
beta-BHC	4.018	3.919	4.119	49.120	50.000	-1.8
Decachlorobiphenyl	8.060	7.962	8.162	45.380	50.000	-9.2
delta-BHC	4.255	4.155	4.355	49.490	50.000	-1.0
Dieldrin	5.503	5.404	5.604	49.370	50.000	-1.3
Endosulfan I	5.238	5.138	5.338	49.000	50.000	-2.0
Endosulfan II	6.071	5.972	6.172	49.040	50.000	-1.9
Endosulfan sulfate	6.473	6.374	6.574	48.550	50.000	-2.9
Endrin	5.780	5.681	5.881	49.520	50.000	-1.0
Endrin aldehyde	6.249	6.150	6.350	48.770	50.000	-2.5
Endrin ketone	6.982	6.883	7.083	48.370	50.000	-3.3
gamma-BHC (Lindane)	3.722	3.623	3.823	49.650	50.000	-0.7
gamma-Chlordane	5.116	5.017	5.217	49.350	50.000	-1.3
Heptachlor	4.074	3.975	4.175	49.390	50.000	-1.2
Heptachlor epoxide	4.863	4.764	4.964	48.140	50.000	-3.7
Methoxychlor	6.744	6.645	6.845	49.130	50.000	-1.7
Tetrachloro-m-xylene	2.874	2.775	2.975	49.050	50.000	-1.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090713.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 19:09
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:55:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	157.6E6	1460.7E6	50.599	49.053
2)	SA Decachlor...	9.065	8.060	217.6E6	1374.7E6	46.512	45.384
Target Compounds							
2)	A alpha-BHC	3.994	3.386	380.6E6	2531.8E6	53.032	49.550
3)	MA gamma-BHC...	4.324	3.722	356.6E6	2346.1E6	52.447	49.655
4)	MA Heptachlor	4.923	4.074	291.2E6	2202.8E6	52.089	49.388
5)	MB Aldrin	5.264	4.360	339.2E6	2292.7E6	51.810	49.498
6)	B beta-BHC	4.512	4.018	132.4E6	974.0E6	50.554	49.120
7)	B delta-BHC	4.760	4.255	353.5E6	2361.4E6	52.273	49.488
8)	B Heptachlo...	5.684	4.863	295.5E6	2052.6E6	51.044	48.139
9)	A Endosulfan I	6.068	5.238	279.5E6	1930.3E6	50.489	49.005
10)	B gamma-Chl...	5.940	5.116	302.0E6	2218.3E6	50.925	49.352
11)	B alpha-Chl...	6.021	5.181	299.5E6	2120.7E6	48.461	49.162
12)	B 4,4'-DDE	6.190	5.365	269.7E6	2143.7E6	50.635	48.899
13)	MA Dieldrin	6.341	5.503	297.9E6	2181.2E6	51.085	49.367
14)	MA Endrin	6.568	5.780	252.1E6	2005.2E6	50.894	49.519
15)	B Endosulfa...	6.781	6.071	249.6E6	1841.7E6	49.925	49.041
16)	A 4,4'-DDD	6.700	5.920	206.2E6	1762.2E6	50.865	48.361
17)	MA 4,4'-DDT	7.016	6.173	210.4E6	1761.2E6	51.194	50.215
18)	B Endrin al...	6.910	6.249	183.6E6	1350.4E6	50.136	48.765
19)	B Endosulfa...	7.144	6.473	229.5E6	1740.3E6	49.478	48.551
20)	A Methoxychlor	7.488	6.744	103.4E6	856.2E6	48.638	49.130
21)	B Endrin ke...	7.625	6.982	242.1E6	1824.5E6	49.830	48.373
22)	Mirex	8.107	7.174	154.3E6	1225.6E6	48.207	47.706

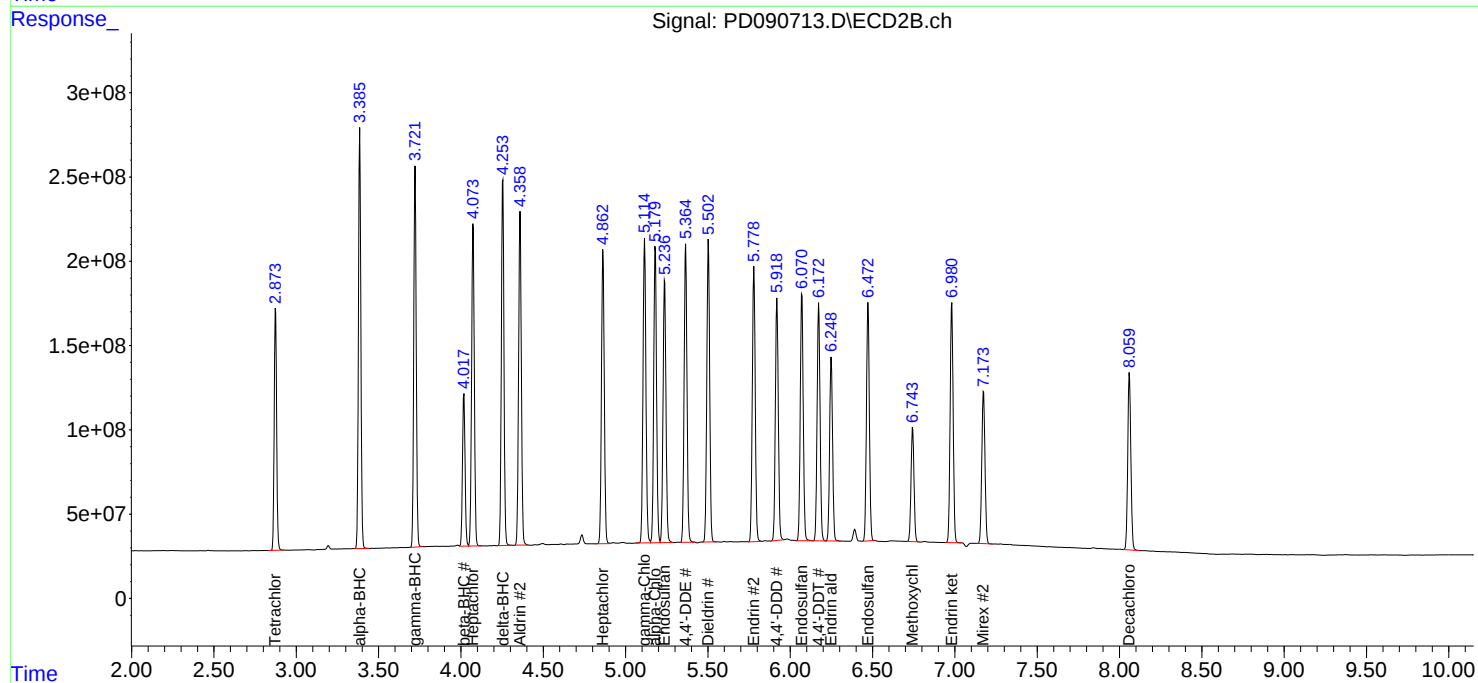
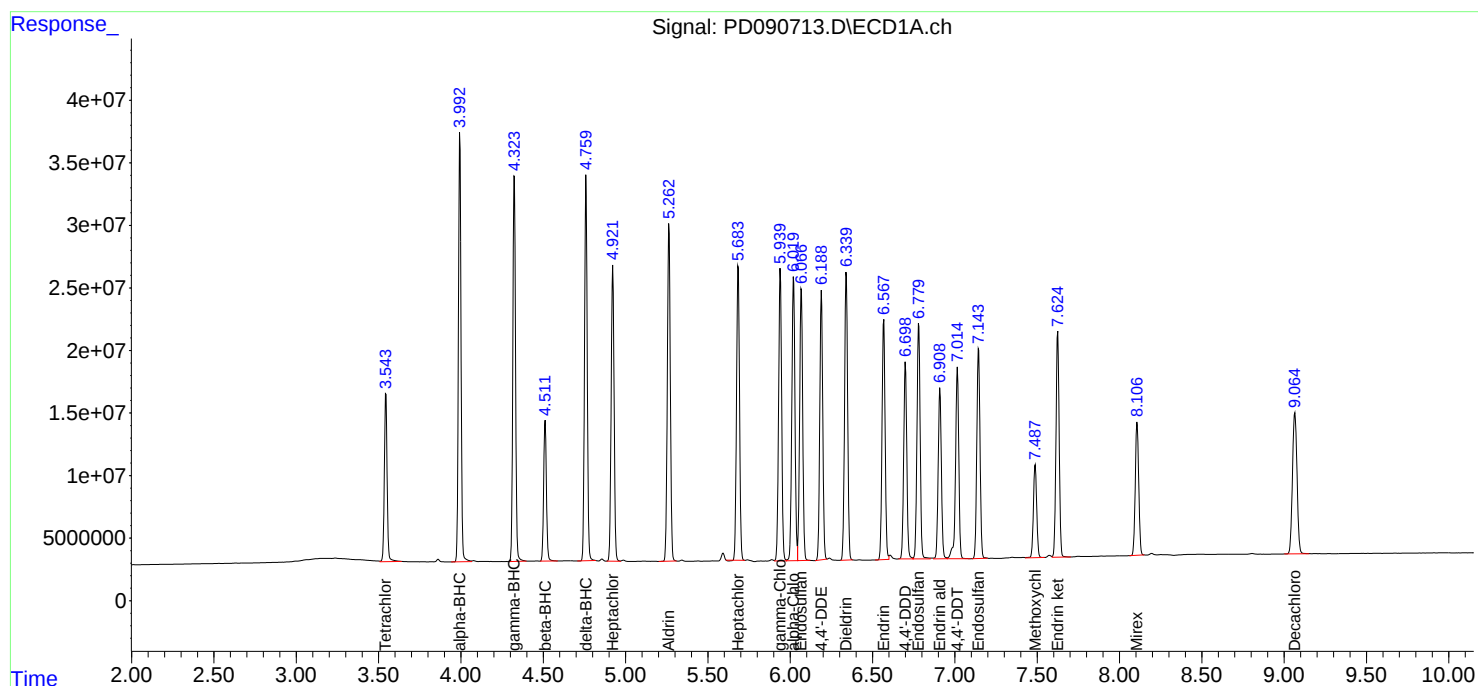
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090713.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 19:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

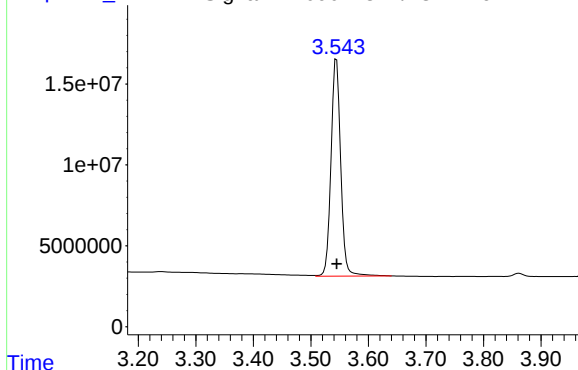
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:55:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090713.D\ECD1A.ch

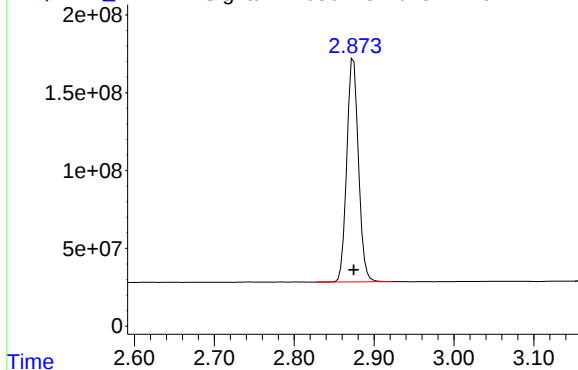


#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 157572080
Conc: 50.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

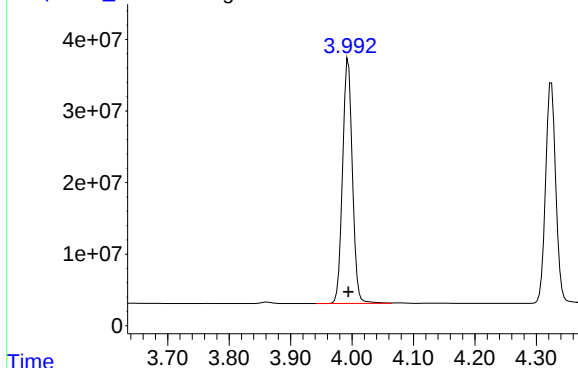
Response_ Signal: PD090713.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1460666860
Conc: 49.05 ng/ml

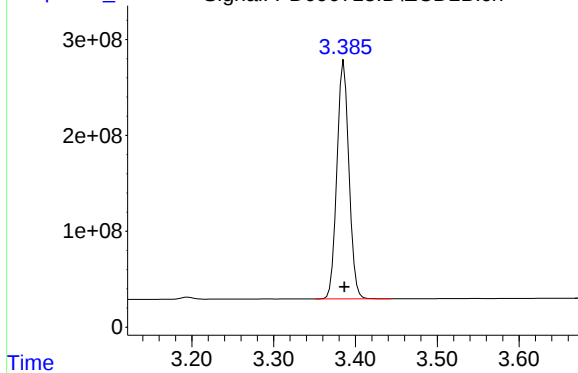
Response_ Signal: PD090713.D\ECD1A.ch



#2 alpha-BHC

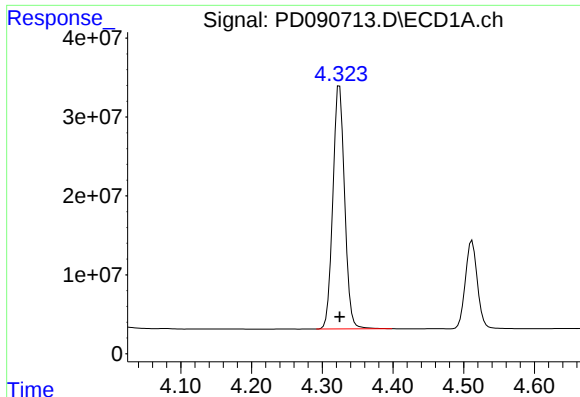
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 380616246
Conc: 53.03 ng/ml

Response_ Signal: PD090713.D\ECD2B.ch



#2 alpha-BHC

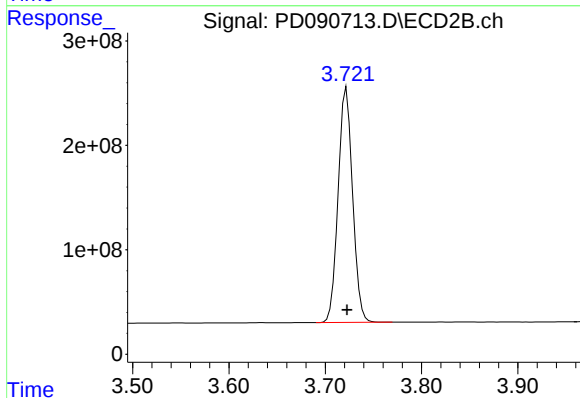
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2531808478
Conc: 49.55 ng/ml



#3 gamma-BHC (Lindane)

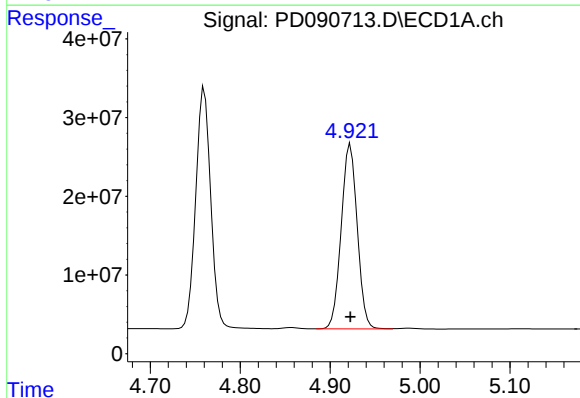
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 356578449
Conc: 52.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



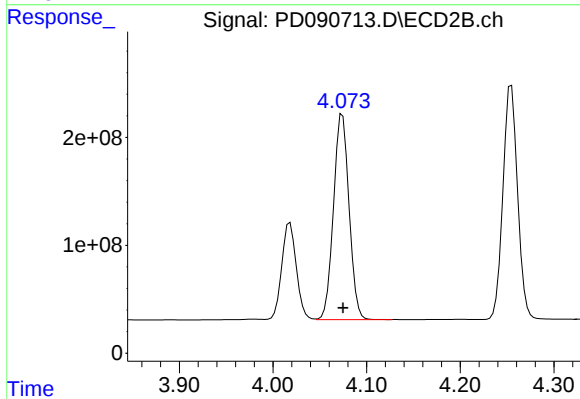
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2346129944
Conc: 49.65 ng/ml



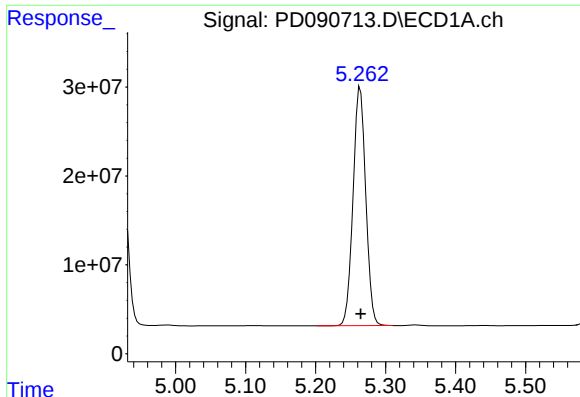
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 291154976
Conc: 52.09 ng/ml



#4 Heptachlor

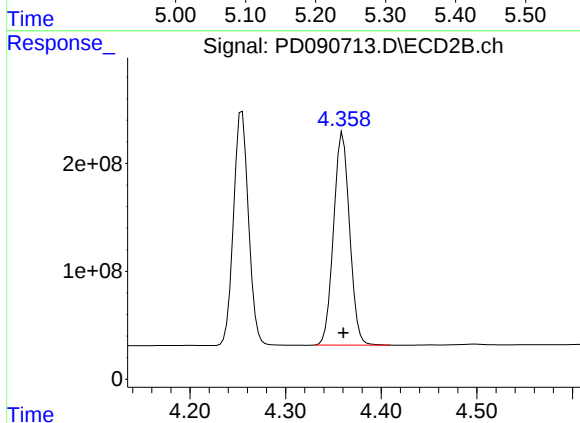
R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2202835746
Conc: 49.39 ng/ml



#5 Aldrin

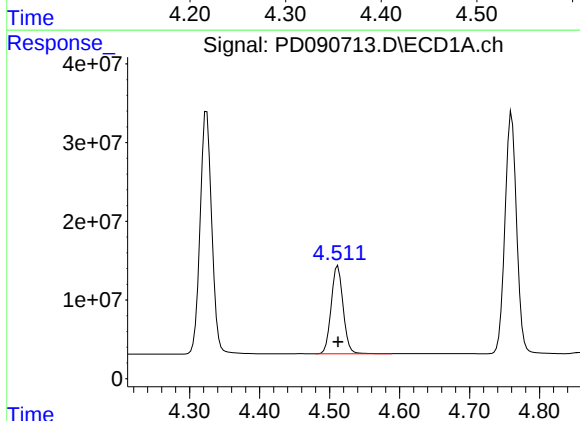
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 339211543
Conc: 51.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



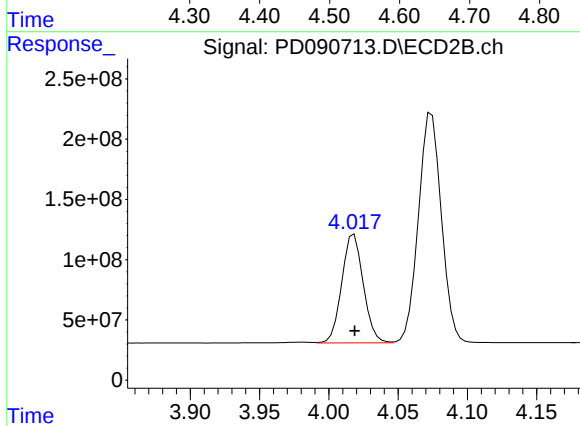
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2292677543
Conc: 49.50 ng/ml



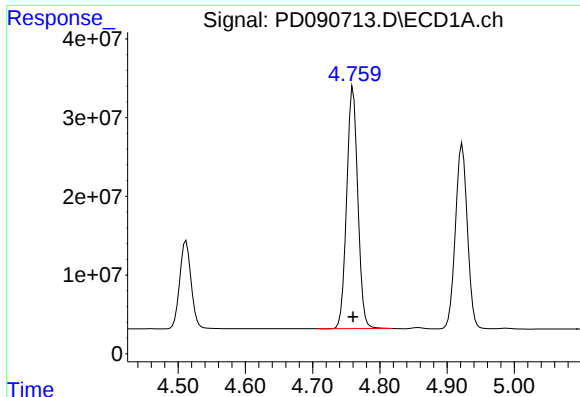
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 132433732
Conc: 50.55 ng/ml



#6 beta-BHC

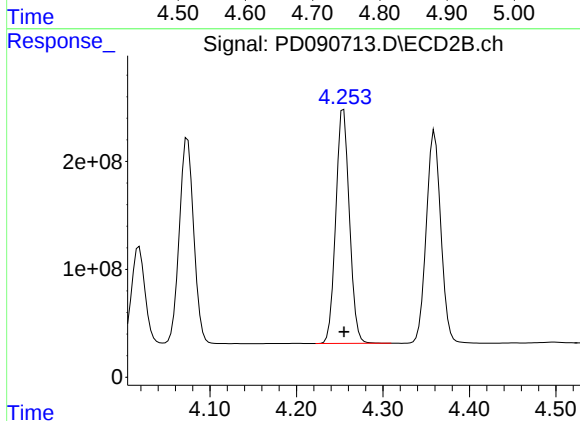
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 974028448
Conc: 49.12 ng/ml



#7 delta-BHC

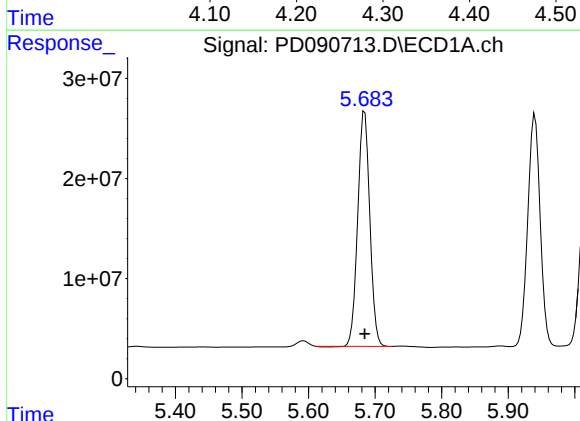
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 353456928
Conc: 52.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



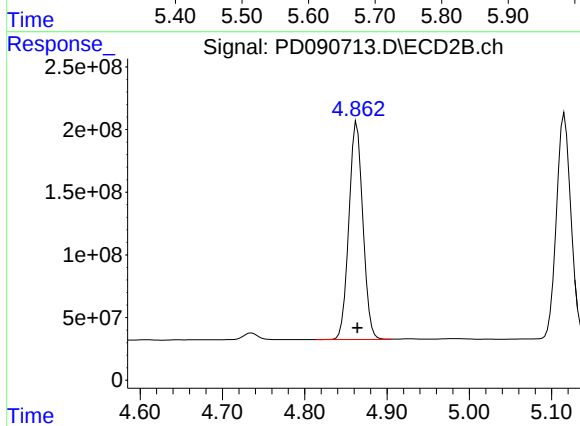
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2361391039
Conc: 49.49 ng/ml



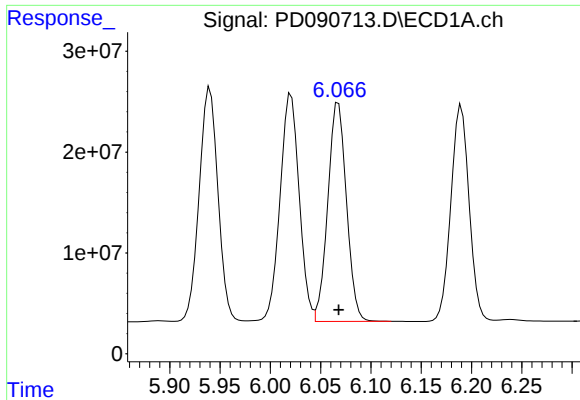
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 295494539
Conc: 51.04 ng/ml



#8 Heptachlor epoxide

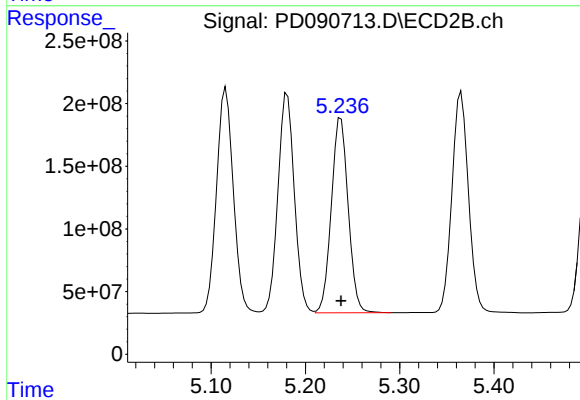
R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 2052592353
Conc: 48.14 ng/ml



#9 Endosulfan I

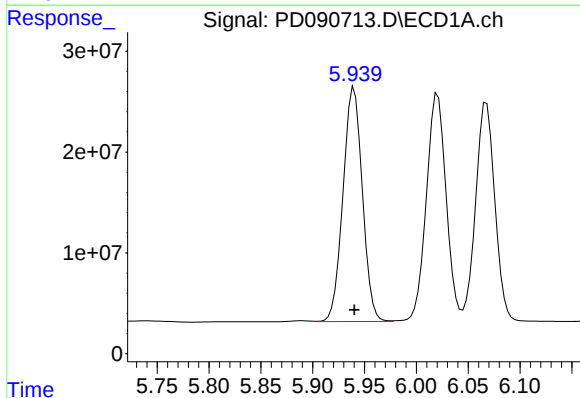
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 279542243
Conc: 50.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



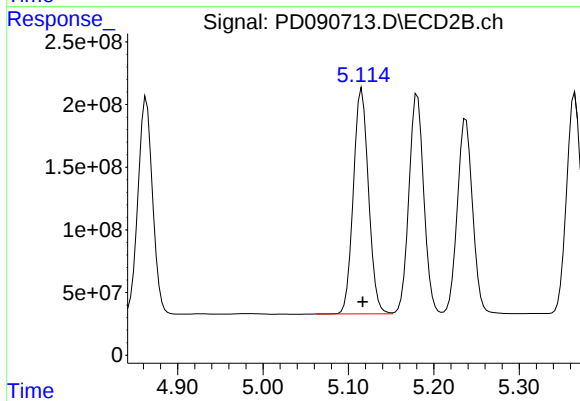
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1930308781
Conc: 49.00 ng/ml



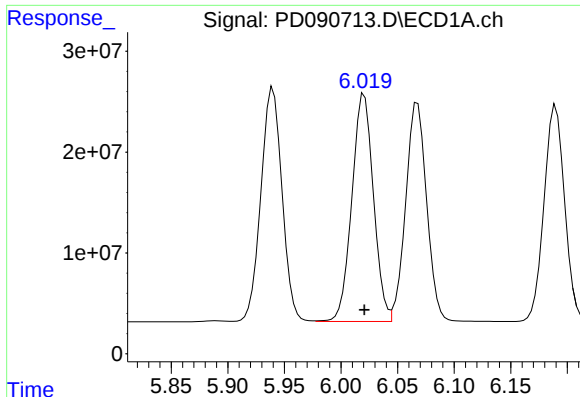
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 302046757
Conc: 50.93 ng/ml



#10 gamma-Chlordane

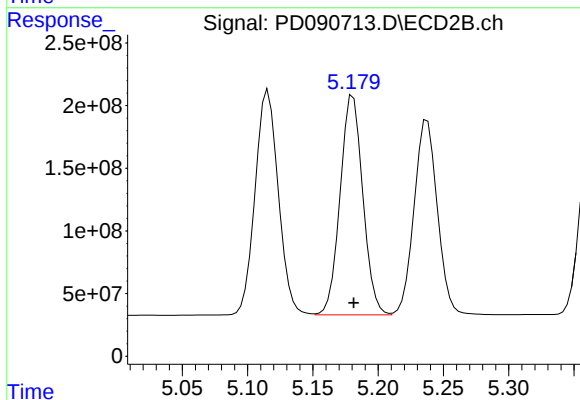
R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2218322705
Conc: 49.35 ng/ml



#11 alpha-Chlordane

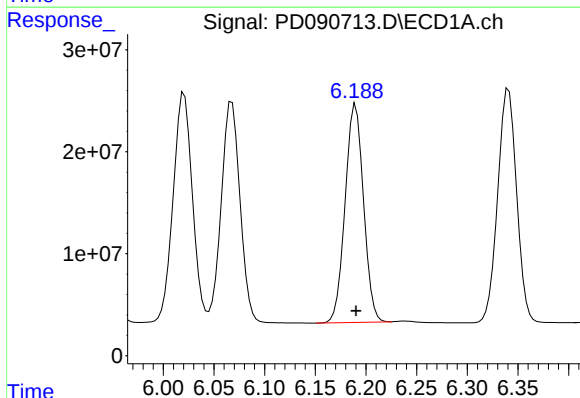
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 299501127
Conc: 48.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



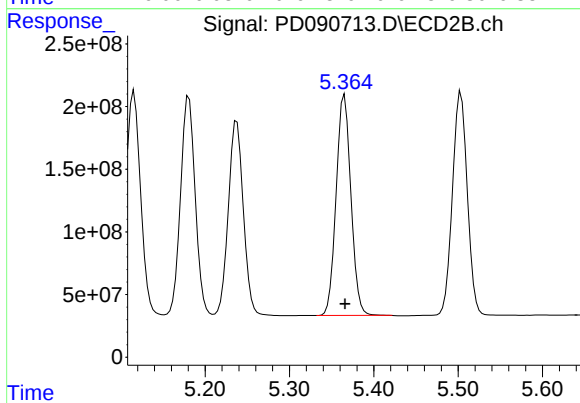
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2120716766
Conc: 49.16 ng/ml



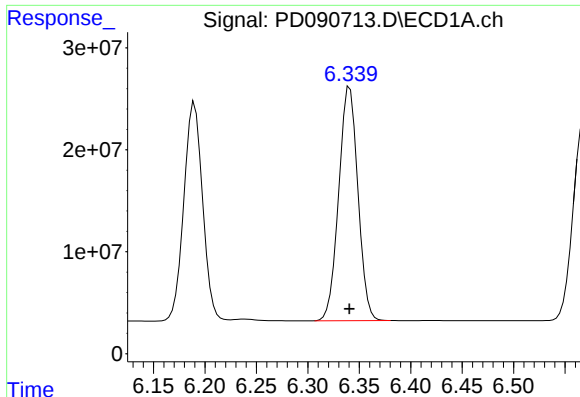
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 269714157
Conc: 50.63 ng/ml



#12 4,4'-DDE

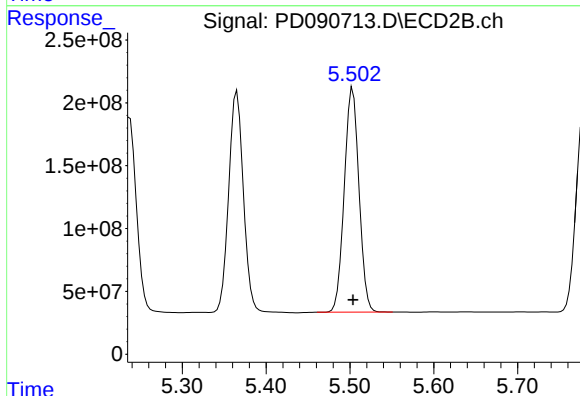
R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2143664270
Conc: 48.90 ng/ml



#13 Dieldrin

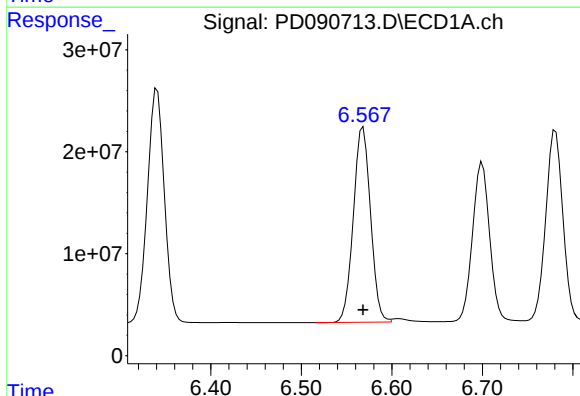
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 297895794
Conc: 51.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



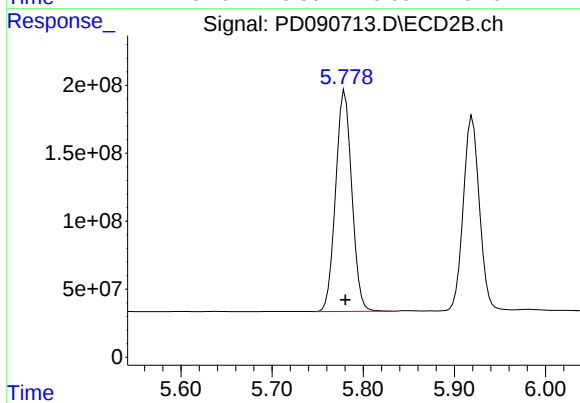
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2181210736
Conc: 49.37 ng/ml



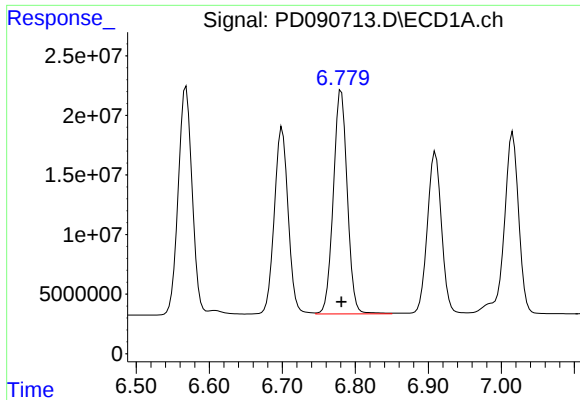
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 252111930
Conc: 50.89 ng/ml



#14 Endrin

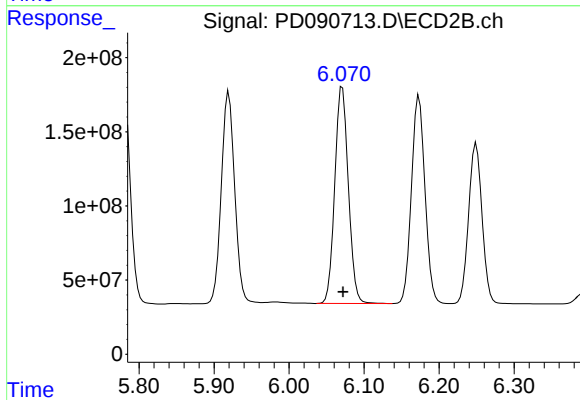
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2005234823
Conc: 49.52 ng/ml



#15 Endosulfan II

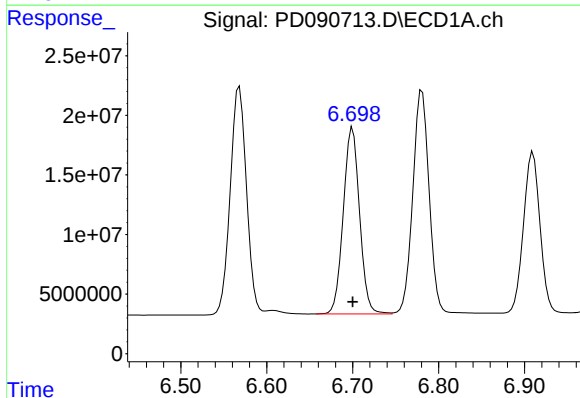
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 249623765
Conc: 49.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



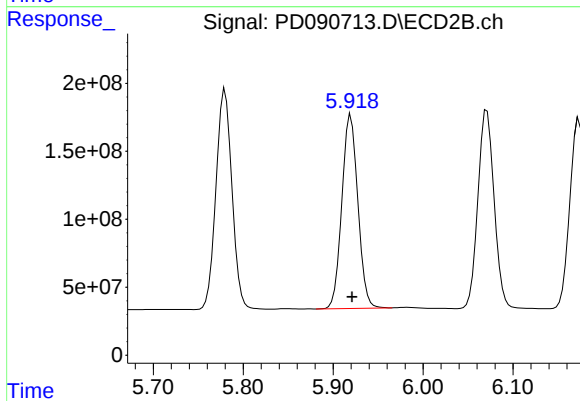
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 1841747794
Conc: 49.04 ng/ml



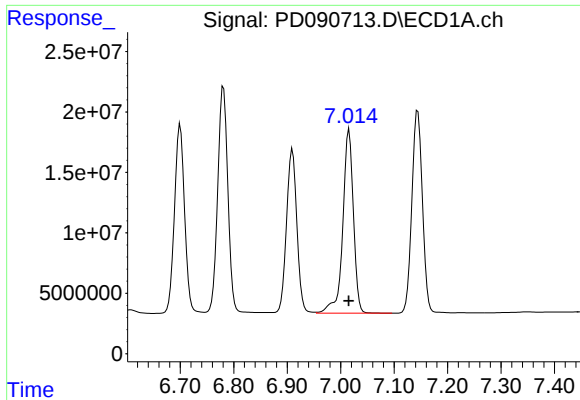
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 206218250
Conc: 50.87 ng/ml



#16 4,4'-DDD

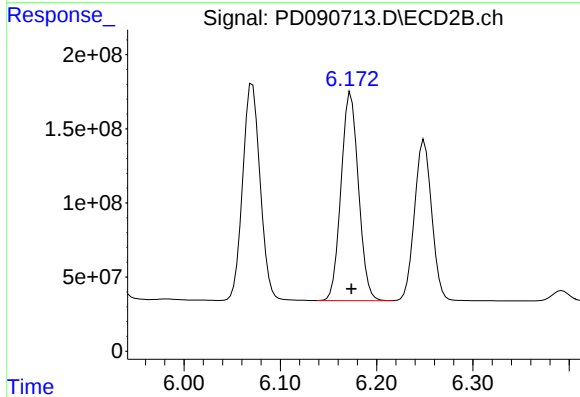
R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 1762175597
Conc: 48.36 ng/ml



#17 4,4'-DDT

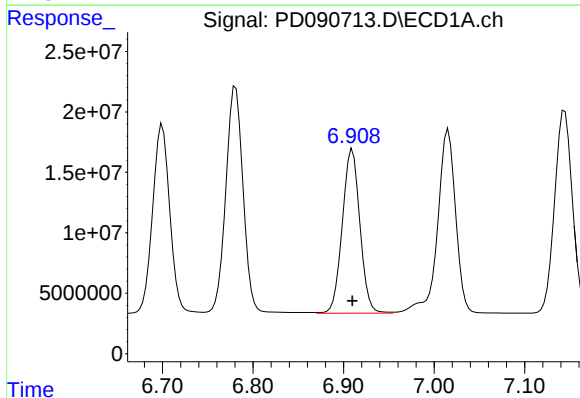
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 210430653
Conc: 51.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



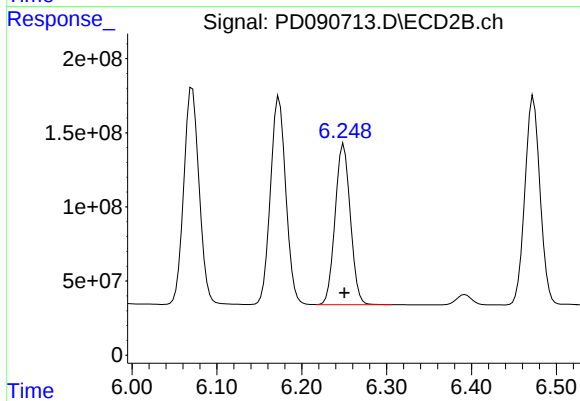
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1761206745
Conc: 50.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 183633013
Conc: 50.14 ng/ml



#18 Endrin aldehyde

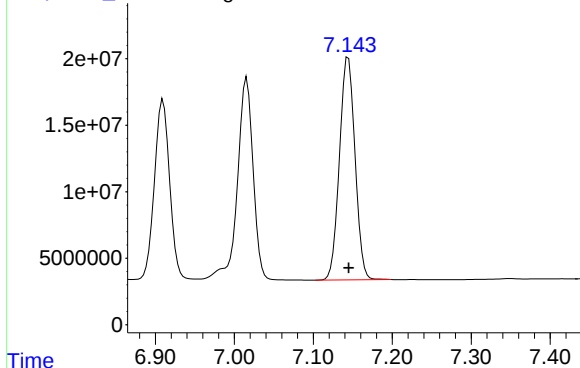
R.T.: 6.249 min
Delta R.T.: 0.000 min
Response: 1350447862
Conc: 48.77 ng/ml

Response_ Signal: PD090713.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 229488407
Conc: 49.48 ng/ml

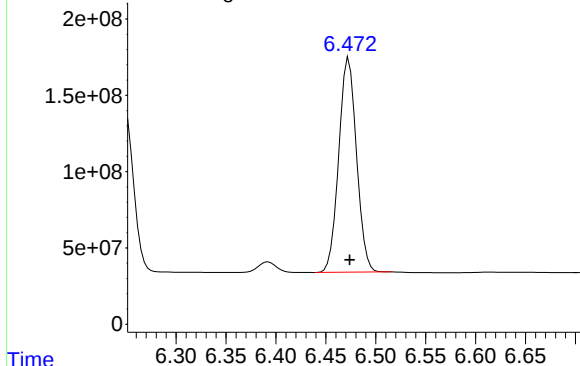
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



Response_ Signal: PD090713.D\ECD2B.ch

#19 Endosulfan Sulfate

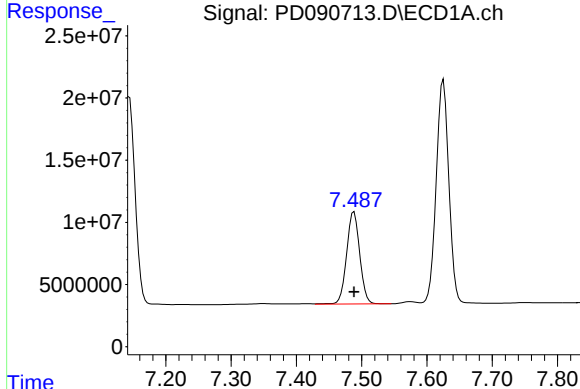
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1740299856
Conc: 48.55 ng/ml



Response_ Signal: PD090713.D\ECD1A.ch

#20 Methoxychlor

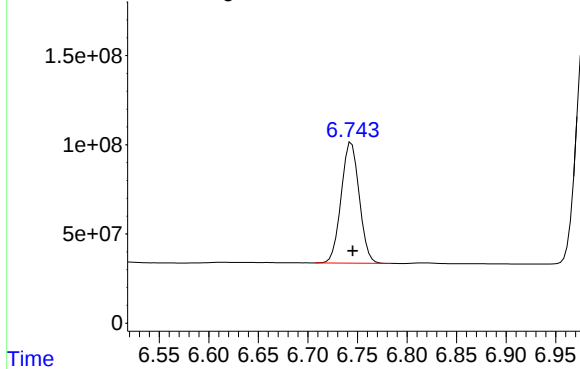
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 103385260
Conc: 48.64 ng/ml

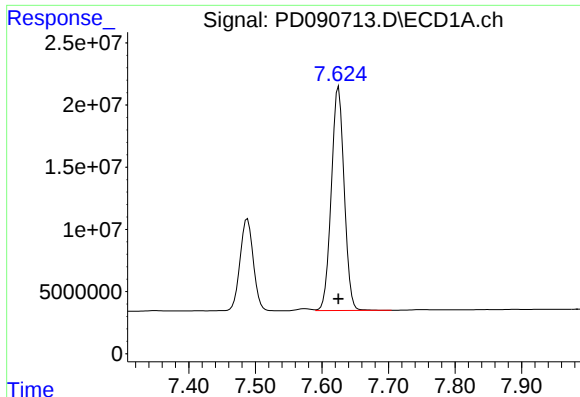


Response_ Signal: PD090713.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 856232020
Conc: 49.13 ng/ml

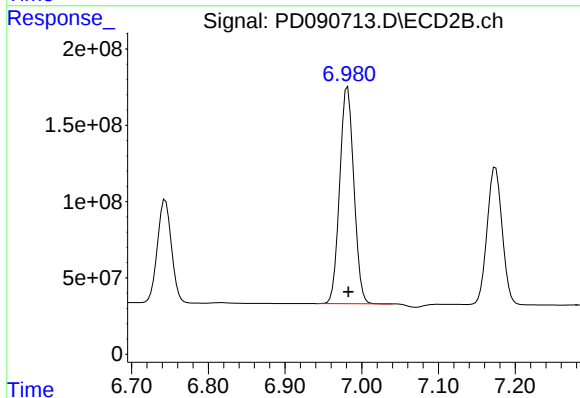




#21 Endrin ketone

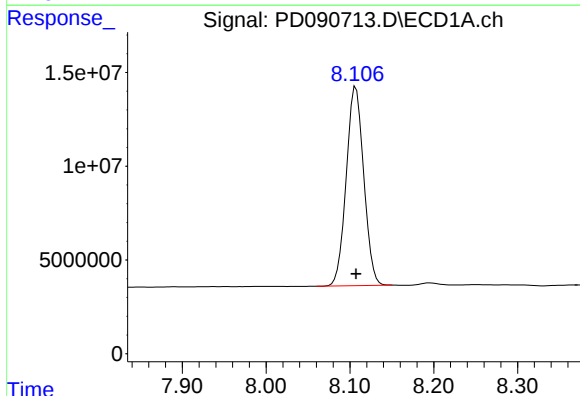
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 242117310
Conc: 49.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



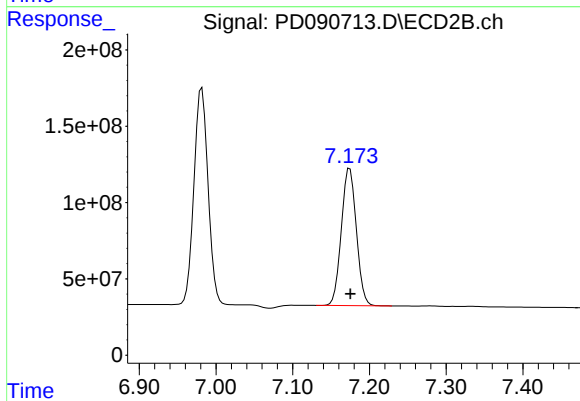
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.001 min
Response: 1824532519
Conc: 48.37 ng/ml



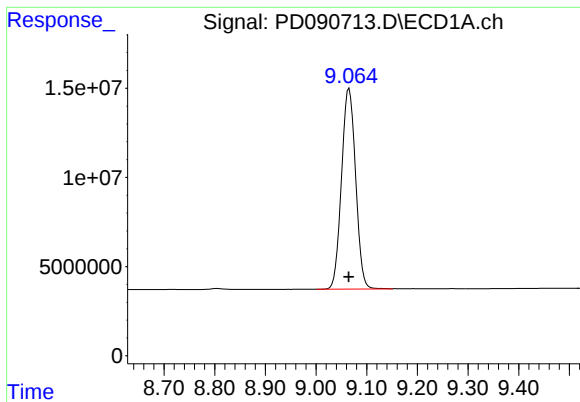
#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 154304138
Conc: 48.21 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: 0.000 min
Response: 1225620259
Conc: 47.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min

Delta R.T.: 0.001 min

Response: 217582156

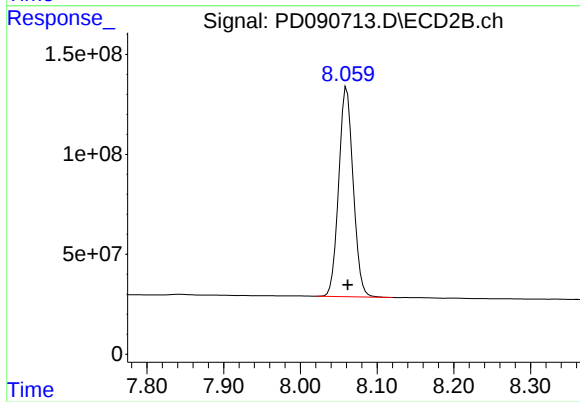
Conc: 46.51 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min

Delta R.T.: -0.001 min

Response: 1374729494

Conc: 45.38 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Continuing Calib Date: 10/20/2025

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

10/17/2025

Continuing Calib Time: 21:12

Initial Calibration Time(s): 11:34

12:28

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

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



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Continuing Calib Date: 10/20/2025

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

10/17/2025

Continuing Calib Time: 21:12

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.18	6.17	6.07	6.27	-0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/20/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090720.D **Time Analyzed:** 21:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	53.530	50.000	7.1
4,4'-DDE	6.191	6.090	6.290	52.650	50.000	5.3
4,4'-DDT	7.016	6.915	7.115	52.950	50.000	5.9
Aldrin	5.265	5.164	5.364	54.180	50.000	8.4
alpha-BHC	3.994	3.894	4.094	55.130	50.000	10.3
alpha-Chlordane	6.021	5.921	6.121	51.160	50.000	2.3
beta-BHC	4.512	4.412	4.612	52.600	50.000	5.2
Decachlorobiphenyl	9.065	8.964	9.164	47.550	50.000	-4.9
delta-BHC	4.761	4.660	4.860	54.840	50.000	9.7
Dieldrin	6.341	6.240	6.440	53.390	50.000	6.8
Endosulfan I	6.069	5.968	6.168	52.690	50.000	5.4
Endosulfan II	6.781	6.681	6.881	52.420	50.000	4.8
Endosulfan sulfate	7.145	7.045	7.245	51.430	50.000	2.9
Endrin	6.568	6.468	6.668	53.290	50.000	6.6
Endrin aldehyde	6.910	6.810	7.010	52.130	50.000	4.3
Endrin ketone	7.625	7.525	7.725	52.480	50.000	5.0
gamma-BHC (Lindane)	4.325	4.225	4.425	54.620	50.000	9.2
gamma-Chlordane	5.940	5.840	6.040	53.220	50.000	6.4
Heptachlor	4.923	4.823	5.023	53.220	50.000	6.4
Heptachlor epoxide	5.683	5.584	5.784	53.550	50.000	7.1
Methoxychlor	7.489	7.388	7.588	49.850	50.000	-0.3
Tetrachloro-m-xylene	3.545	3.445	3.645	52.340	50.000	4.7



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3375
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/20/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090720.D **Time Analyzed:** 21:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.921	5.821	6.021	50.030	50.000	0.1
4,4'-DDE	5.366	5.266	5.466	50.380	50.000	0.8
4,4'-DDT	6.175	6.074	6.274	51.210	50.000	2.4
Aldrin	4.360	4.261	4.461	51.050	50.000	2.1
alpha-BHC	3.387	3.287	3.487	51.160	50.000	2.3
alpha-Chlordane	5.182	5.081	5.281	50.710	50.000	1.4
beta-BHC	4.019	3.919	4.119	50.570	50.000	1.1
Decachlorobiphenyl	8.061	7.962	8.162	46.430	50.000	-7.1
delta-BHC	4.255	4.155	4.355	51.210	50.000	2.4
Dieldrin	5.504	5.404	5.604	50.830	50.000	1.7
Endosulfan I	5.238	5.138	5.338	50.020	50.000	0.0
Endosulfan II	6.072	5.972	6.172	50.450	50.000	0.9
Endosulfan sulfate	6.474	6.374	6.574	50.250	50.000	0.5
Endrin	5.781	5.681	5.881	51.910	50.000	3.8
Endrin aldehyde	6.250	6.150	6.350	50.390	50.000	0.8
Endrin ketone	6.983	6.883	7.083	50.060	50.000	0.1
gamma-BHC (Lindane)	3.723	3.623	3.823	51.150	50.000	2.3
gamma-Chlordane	5.117	5.017	5.217	50.960	50.000	1.9
Heptachlor	4.075	3.975	4.175	50.470	50.000	0.9
Heptachlor epoxide	4.864	4.764	4.964	49.730	50.000	-0.5
Methoxychlor	6.745	6.645	6.845	49.950	50.000	-0.1
Tetrachloro-m-xylene	2.874	2.775	2.975	50.300	50.000	0.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090720.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 21:12
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

Client SampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By : Abdul Mirza 10/21/2025

Supervised By : mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:57:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.874	163.0E6	1497.9E6	52.340	50.305
28)	SA Decachlor...	9.065	8.061	222.4E6	1406.6E6	47.546	46.435
Target Compounds							
2)	A alpha-BHC	3.994	3.387	395.7E6	2614.3E6	55.132	51.164
3)	MA gamma-BHC...	4.325	3.723	371.4E6	2416.7E6	54.623	51.148
4)	MA Heptachlor	4.923	4.075	297.5E6	2251.1E6	53.223	50.470
5)	MB Aldrin	5.265	4.360	354.7E6	2364.5E6	54.182	51.047
6)	B beta-BHC	4.512	4.019	137.8E6	1002.7E6	52.603	50.568
7)	B delta-BHC	4.761	4.255	370.8E6	2443.8E6	54.845	51.214
8)	B Heptachlo...	5.683	4.864	310.0E6	2120.5E6	53.551m	49.733
9)	A Endosulfan I	6.069	5.238	291.7E6	1970.3E6	52.688	50.020
10)	B gamma-Chl...	5.940	5.117	315.7E6	2290.7E6	53.221	50.963
11)	B alpha-Chl...	6.021	5.182	316.2E6	2187.3E6	51.163	50.706
12)	B 4,4'-DDE	6.191	5.366	280.5E6	2208.5E6	52.654	50.377
13)	MA Dieldrin	6.341	5.504	311.3E6	2245.7E6	53.388	50.825
14)	MA Endrin	6.568	5.781	264.0E6	2101.9E6	53.294	51.907
15)	B Endosulfa...	6.781	6.072	262.1E6	1894.8E6	52.425	50.453
16)	A 4,4'-DDD	6.700	5.921	217.0E6	1823.0E6	53.530	50.031
17)	MA 4,4'-DDT	7.016	6.175	217.6E6	1795.9E6	52.945	51.205
18)	B Endrin al...	6.910	6.250	190.9E6	1395.3E6	52.127	50.385
19)	B Endosulfa...	7.145	6.474	238.5E6	1801.2E6	51.426	50.249
20)	A Methoxychlor	7.489	6.745	106.0E6	870.5E6	49.846	49.948
21)	B Endrin ke...	7.625	6.983	255.0E6	1888.2E6	52.483	50.062
22)	Mirex	8.107	7.175	159.6E6	1260.7E6	49.876	49.071

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090720.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 21:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

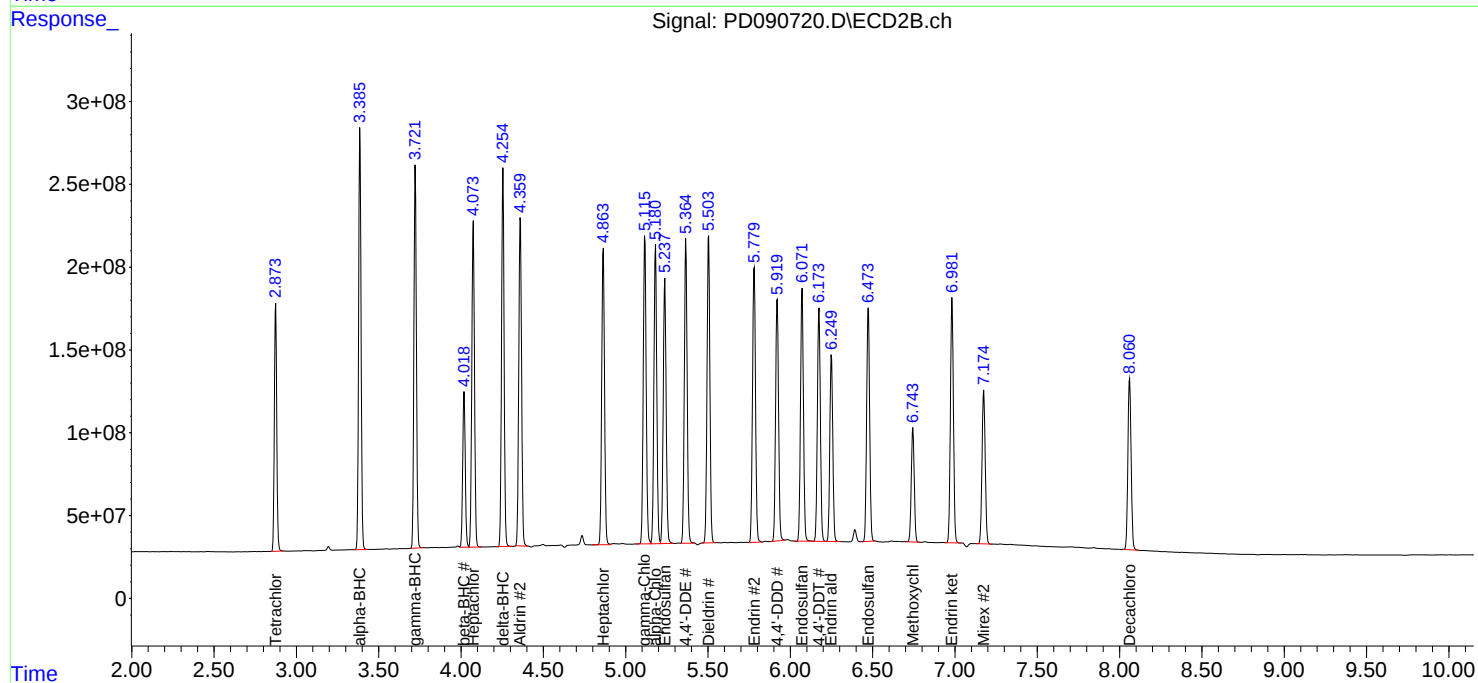
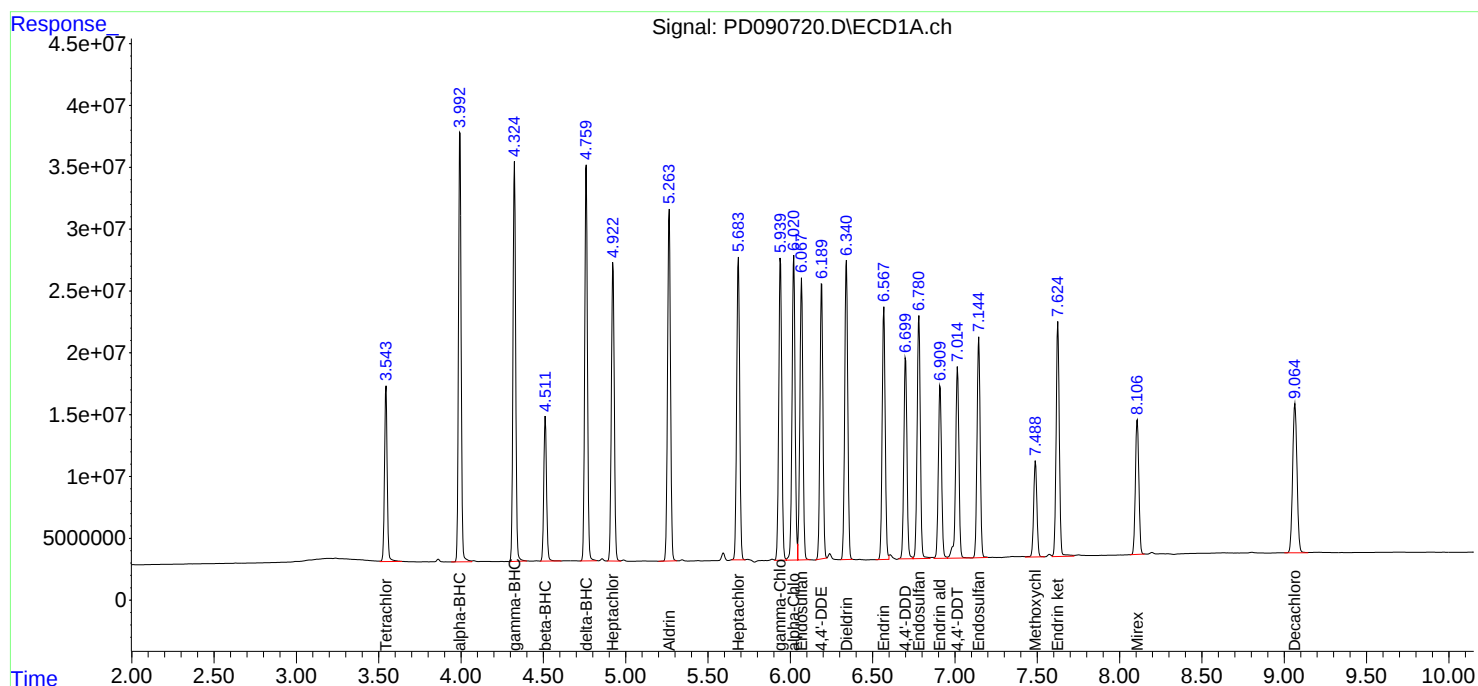
APPROVED

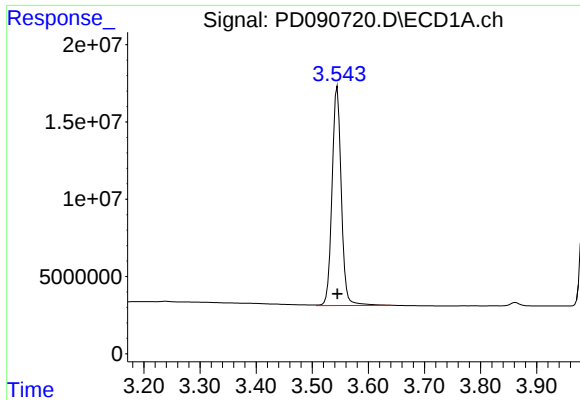
Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:57:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





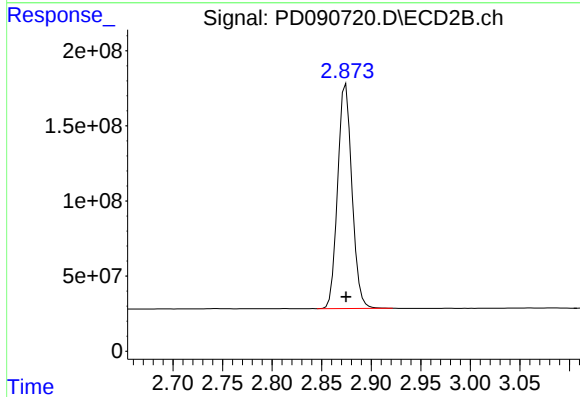
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 162996531
Conc: 52.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

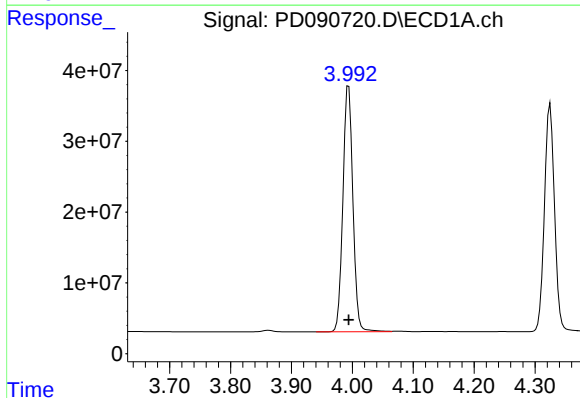
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



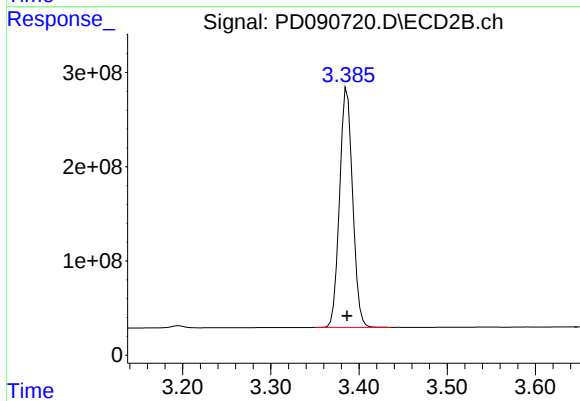
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1497936594
Conc: 50.30 ng/ml



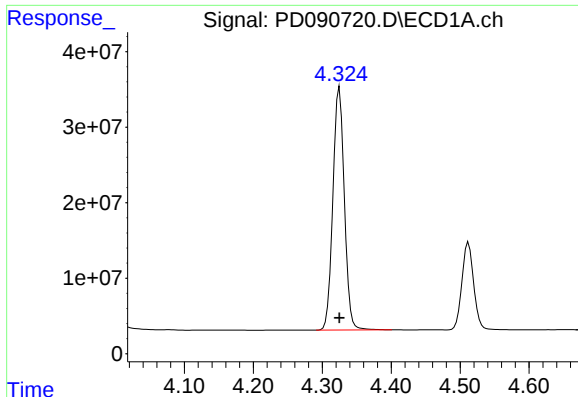
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 395688272
Conc: 55.13 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2614286283
Conc: 51.16 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 371370130
Conc: 54.62 ng/ml

Instrument :

ECD_D

ClientSampleId :

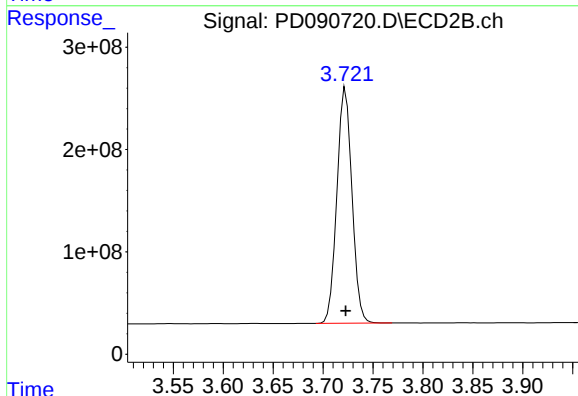
PSTDCCC050

Manual Integrations

APPROVED

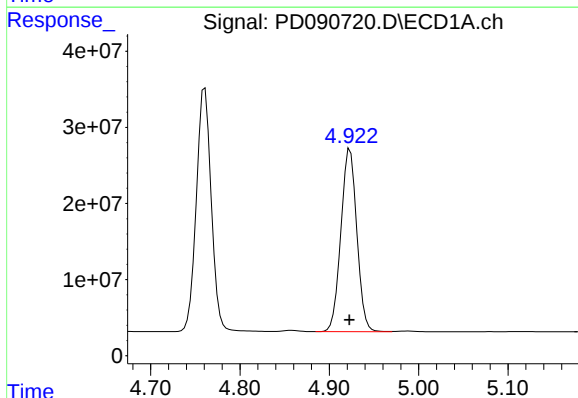
Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025



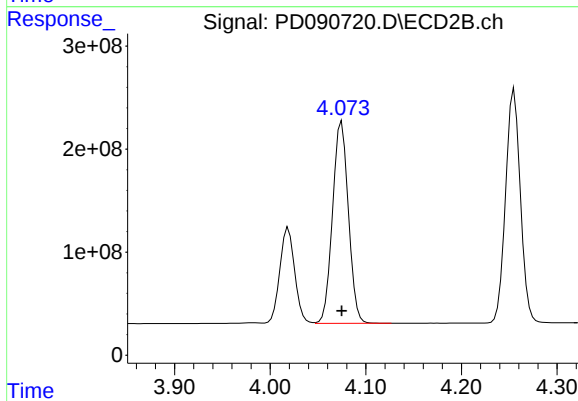
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2416674629
Conc: 51.15 ng/ml



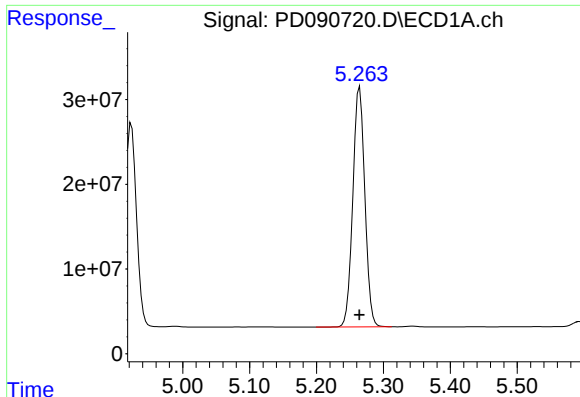
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 297492106
Conc: 53.22 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2251102144
Conc: 50.47 ng/ml



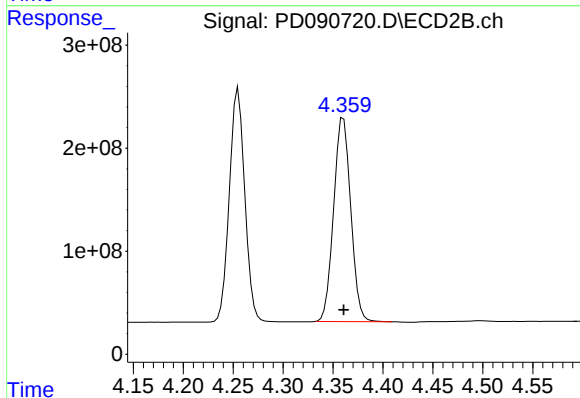
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 354746074
Conc: 54.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

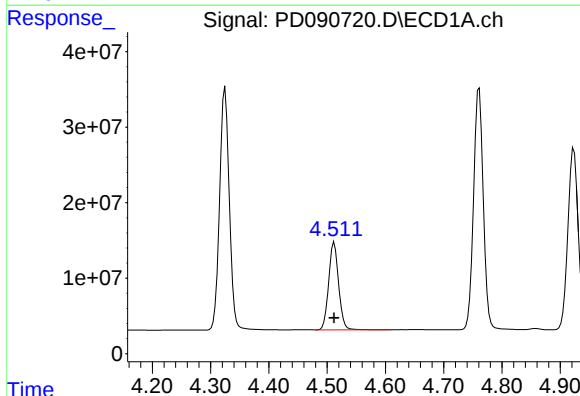
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



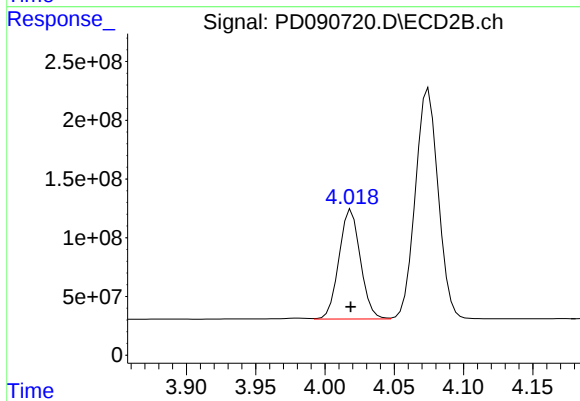
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2364460405
Conc: 51.05 ng/ml



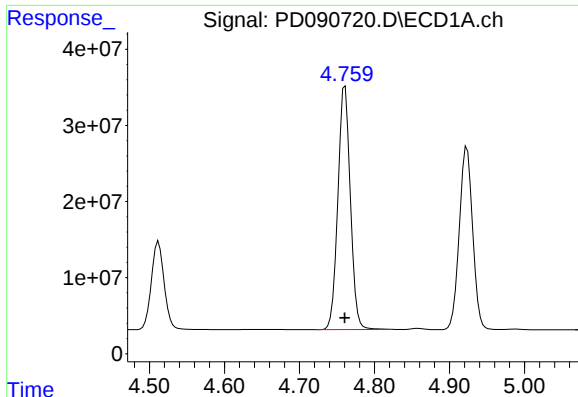
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 137801495
Conc: 52.60 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 1002739276
Conc: 50.57 ng/ml



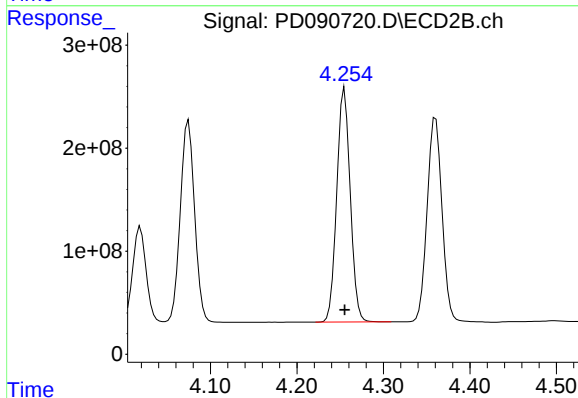
#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 370843452
Conc: 54.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

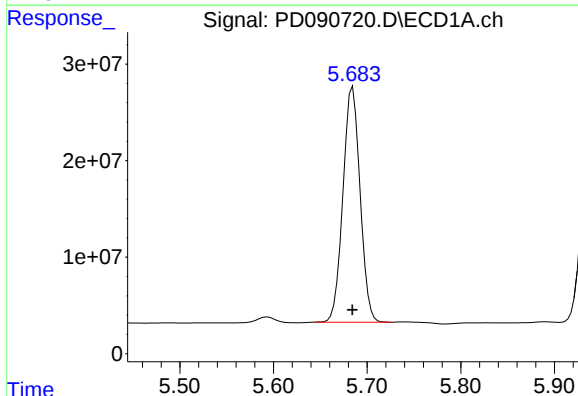
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



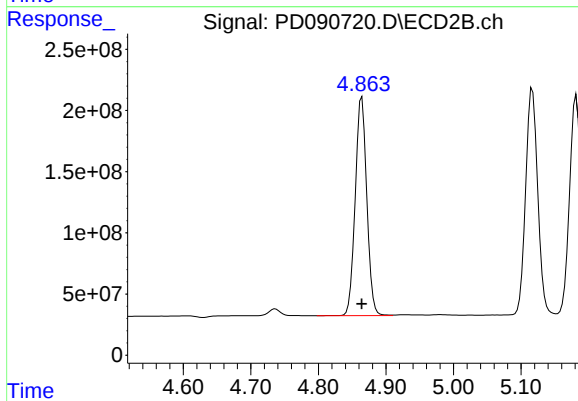
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2443780419
Conc: 51.21 ng/ml



#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.001 min
Response: 310009929
Conc: 53.55 ng/ml m



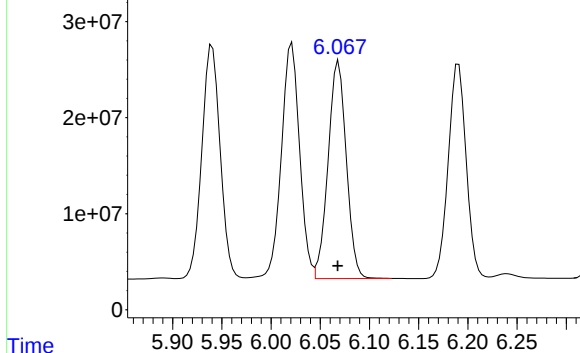
#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2120544865
Conc: 49.73 ng/ml

Response_

Signal: PD090720.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.069 min
 Delta R.T.: 0.000 min
 Response: 291715053
 Conc: 52.69 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

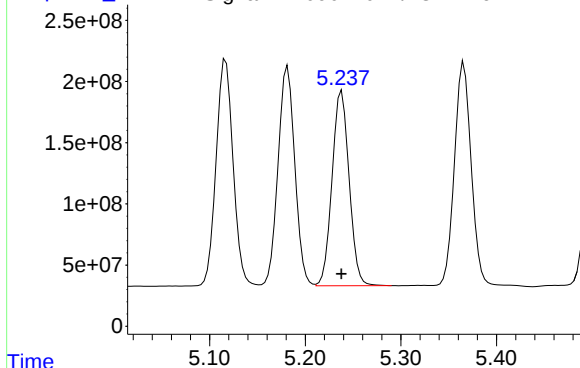
Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Time

Response_

Signal: PD090720.D\ECD2B.ch

#9 Endosulfan I



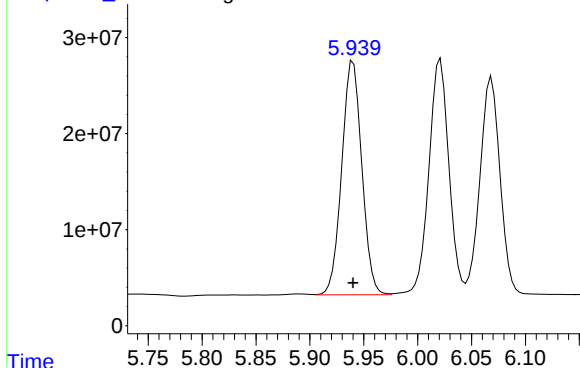
R.T.: 5.238 min
 Delta R.T.: 0.000 min
 Response: 1970323786
 Conc: 50.02 ng/ml

Time

Response_

Signal: PD090720.D\ECD1A.ch

#10 gamma-Chlordane



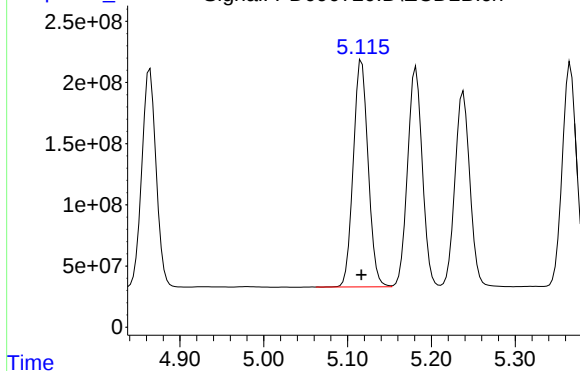
R.T.: 5.940 min
 Delta R.T.: 0.000 min
 Response: 315660789
 Conc: 53.22 ng/ml

Time

Response_

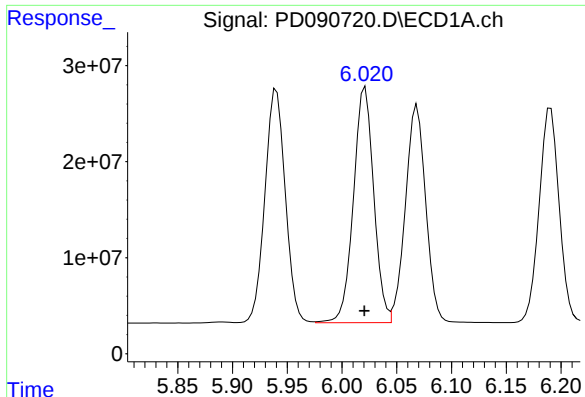
Signal: PD090720.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.117 min
 Delta R.T.: 0.000 min
 Response: 2290716618
 Conc: 50.96 ng/ml

Time



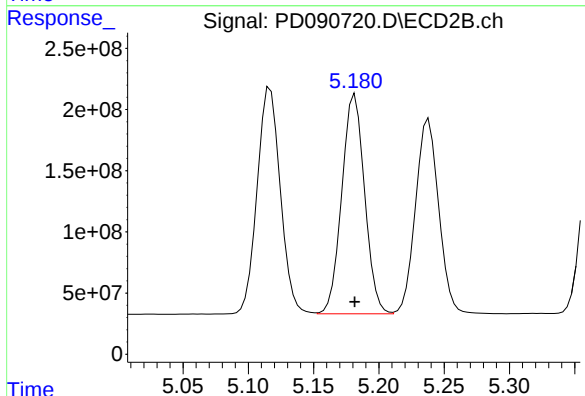
#11 alpha-Chlordane

R.T.: 6.021 min
 Delta R.T.: 0.000 min
 Response: 316198732
 Conc: 51.16 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

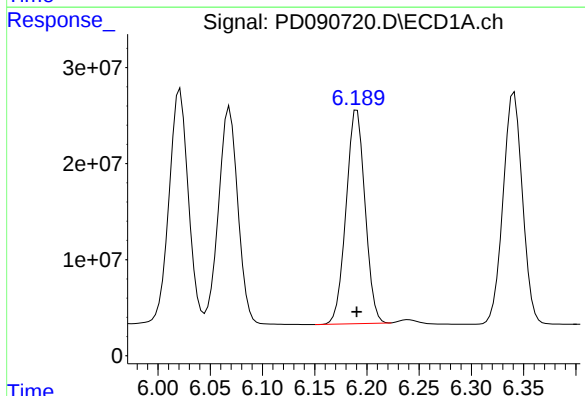
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025



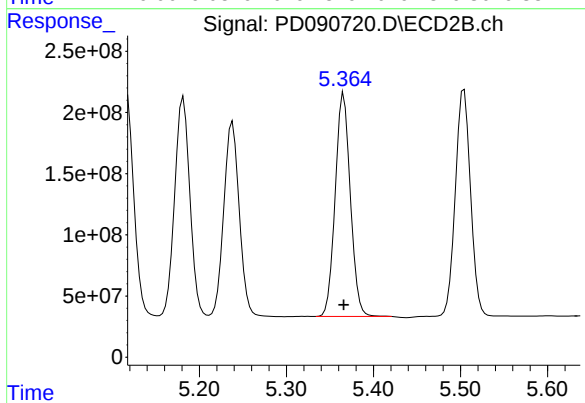
#11 alpha-Chlordane

R.T.: 5.182 min
 Delta R.T.: 0.000 min
 Response: 2187340004
 Conc: 50.71 ng/ml



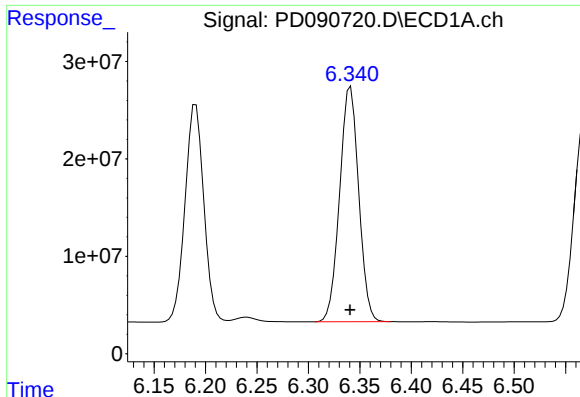
#12 4,4'-DDE

R.T.: 6.191 min
 Delta R.T.: 0.000 min
 Response: 280470859
 Conc: 52.65 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
 Delta R.T.: 0.000 min
 Response: 2208451179
 Conc: 50.38 ng/ml



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 311323083
Conc: 53.39 ng/ml

Instrument :

ECD_D

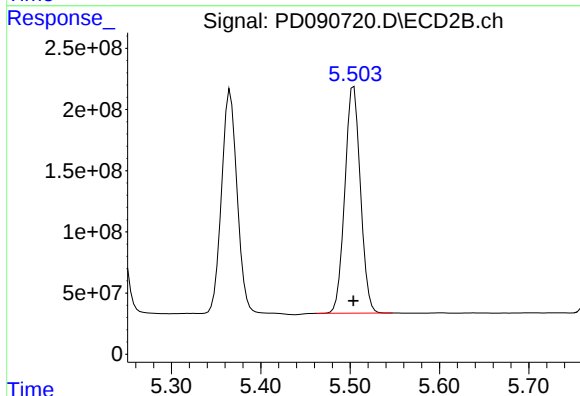
ClientSampleId :

PSTDCCC050

Manual Integrations

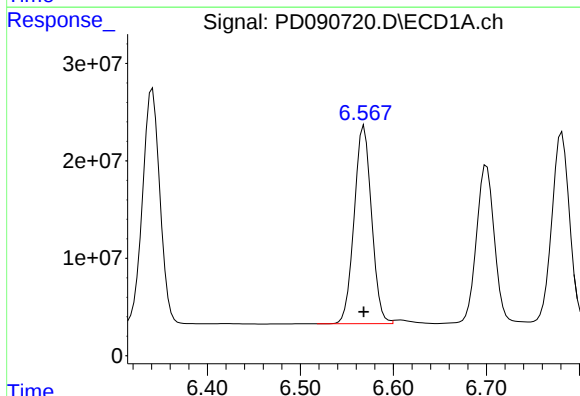
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



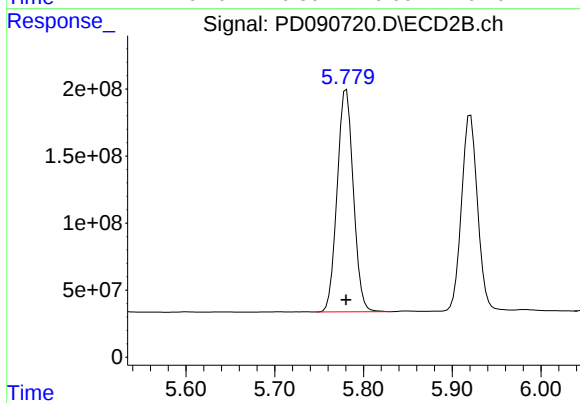
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2245656126
Conc: 50.83 ng/ml



#14 Endrin

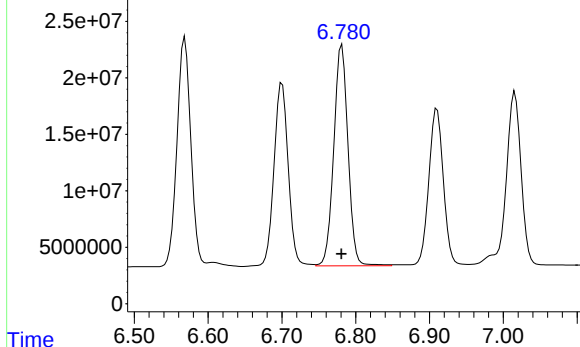
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 264003857
Conc: 53.29 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 2101924286
Conc: 51.91 ng/ml

Response_ Signal: PD090720.D\ECD1A.ch



#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 262121771
Conc: 52.42 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

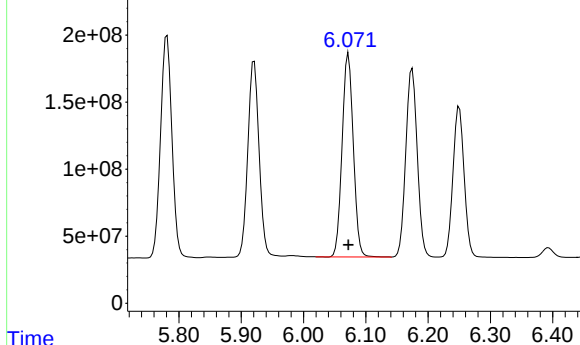
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025

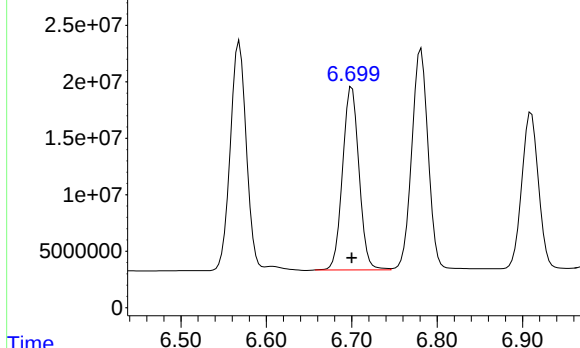
Response_ Signal: PD090720.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1894778049
Conc: 50.45 ng/ml

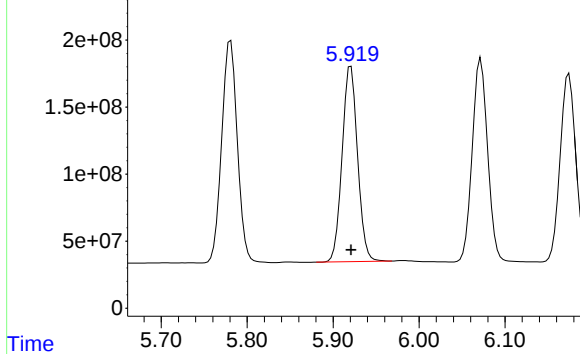
Response_ Signal: PD090720.D\ECD1A.ch



#16 4,4'-DDD

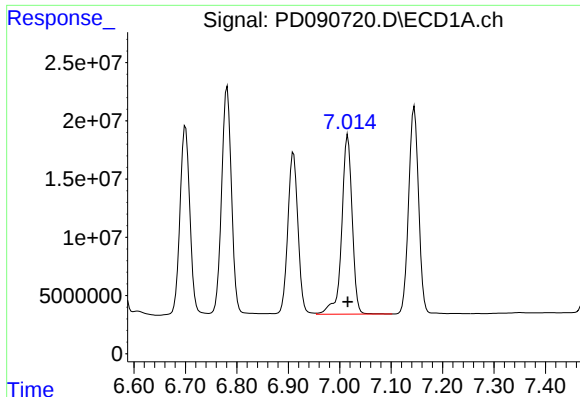
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 217021303
Conc: 53.53 ng/ml

Response_ Signal: PD090720.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1823042907
Conc: 50.03 ng/ml



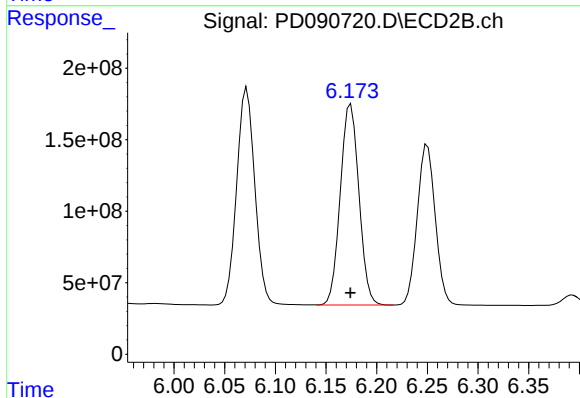
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 217629791
Conc: 52.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

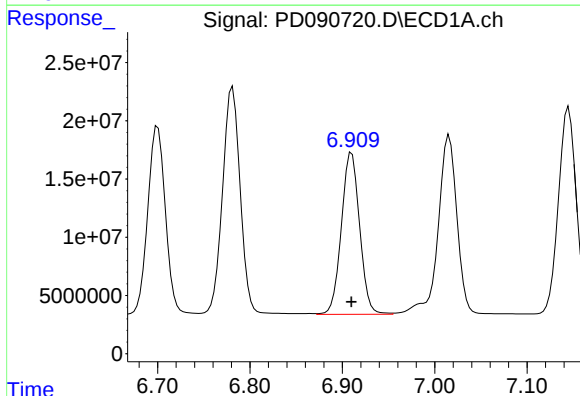
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



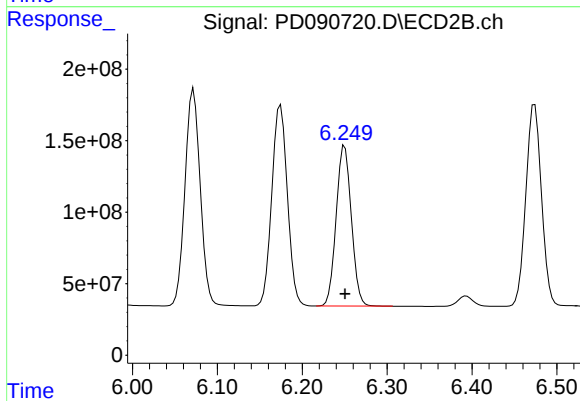
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 1795934324
Conc: 51.21 ng/ml



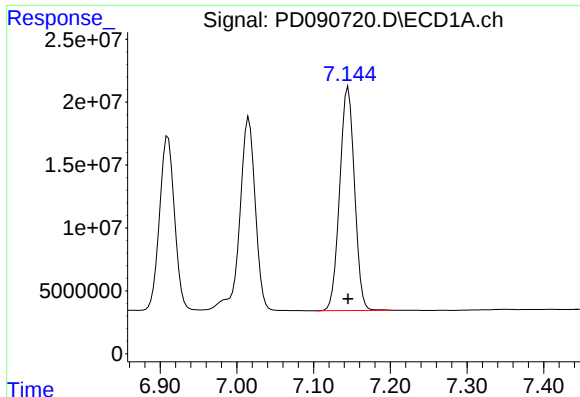
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 190926087
Conc: 52.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1395314514
Conc: 50.39 ng/ml



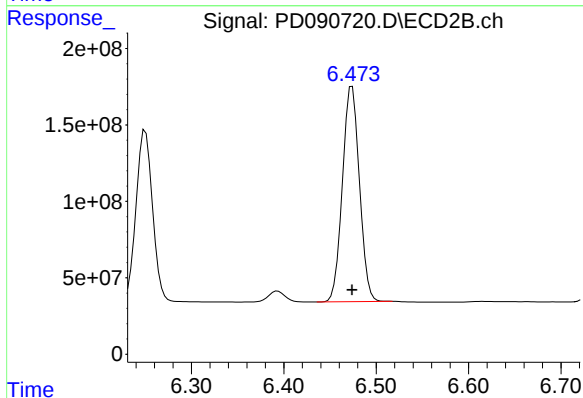
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 238524137
Conc: 51.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

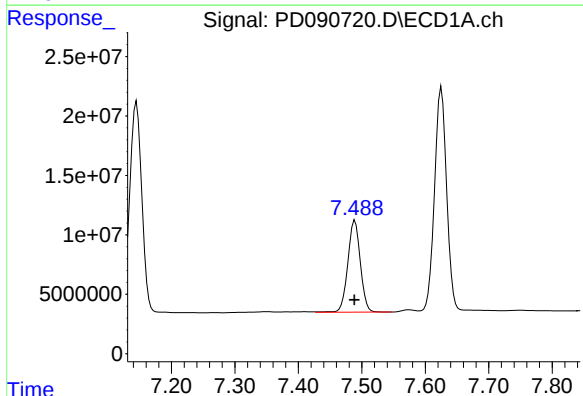
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



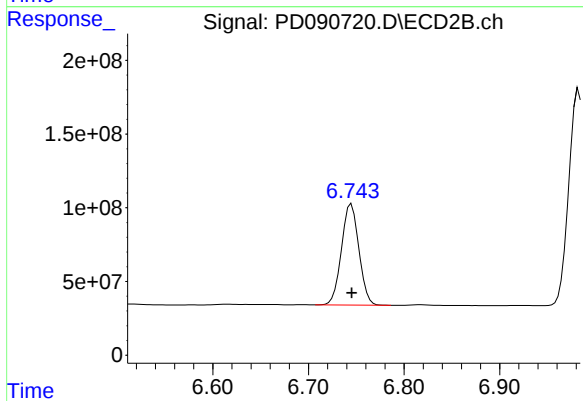
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1801179762
Conc: 50.25 ng/ml



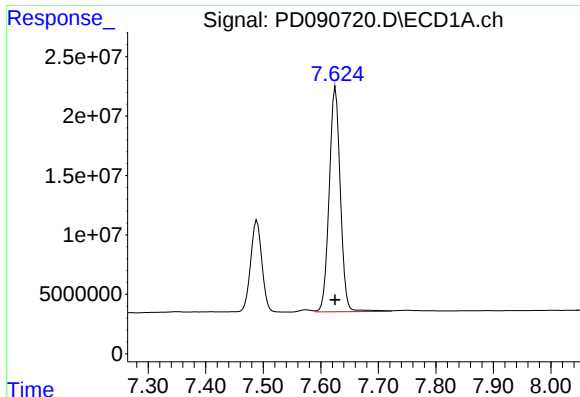
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 105952649
Conc: 49.85 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 870483408
Conc: 49.95 ng/ml



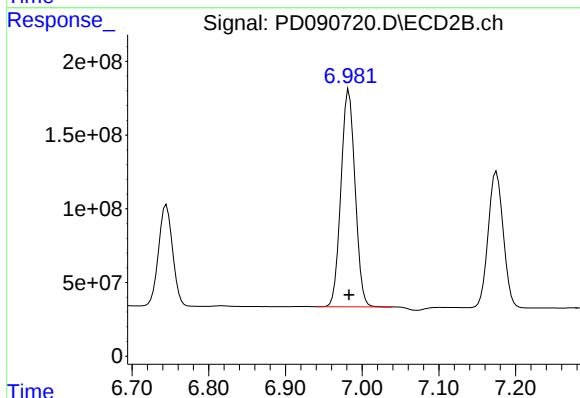
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 255007371
Conc: 52.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

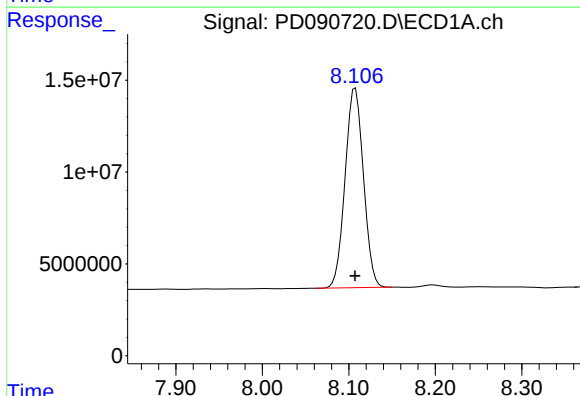
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



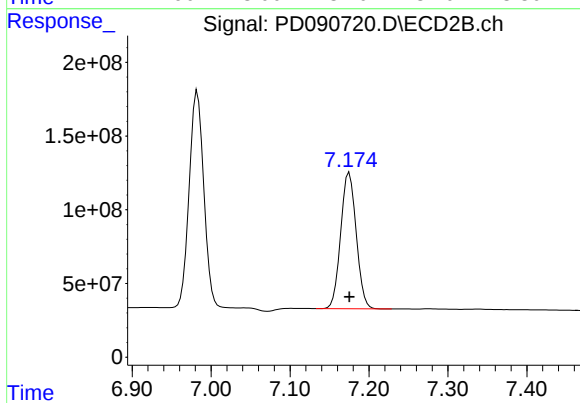
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1888227145
Conc: 50.06 ng/ml



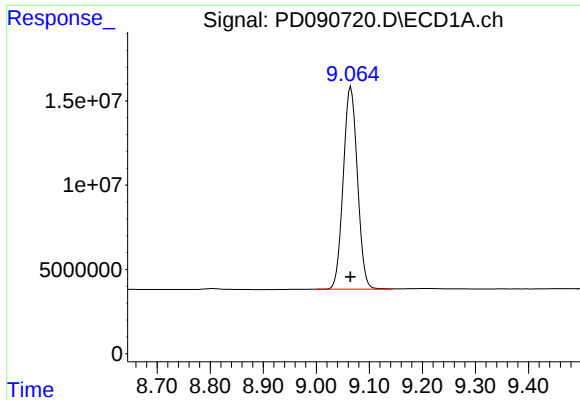
#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 159645490
Conc: 49.88 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1260687865
Conc: 49.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.001 min
Response: 222416529
Conc: 47.55 ng/ml

Instrument :

ECD_D

ClientSampleId :

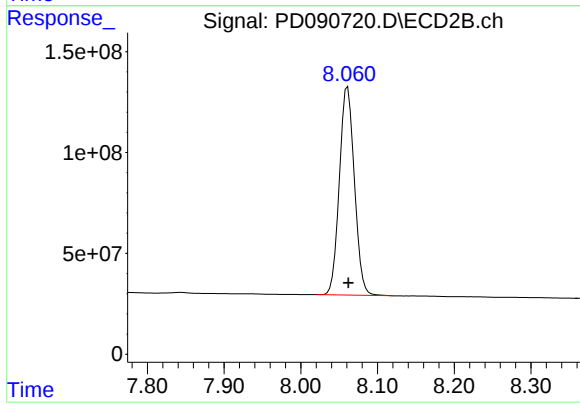
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 1406569788
Conc: 46.43 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

PEM
 Data File: PD090648.D Date Acquired 10/17/2025 11:07
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	243728295.7	249054181.9	5325886.17	2.14
Endrin aldehyde	6.91	1372426.584			
Endrin ketone	7.63	3953459.588			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1941282940	1991060515	49777575.7	2.50
Endrin aldehyde #2	6.25	19940698.04			
Endrin ketone #2	6.98	29836877.65			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	412144601.3	415215115.8	3070514.5	0.74
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3070514.503			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3355351424	3394188860	38837436.1	1.14
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	38837436.09			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:07
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 14:04:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.875	67593250	632.0E6	21.705	21.224
28)	SA Decachlor...	9.066	8.062	106.9E6	648.1E6	22.859	21.395
Target Compounds							
2)	A alpha-BHC	3.994	3.386	64971308	526.5E6	9.053	10.304
3)	MA gamma-BHC...	4.324	3.723	63399907	488.4E6	9.325	10.337
6)	B beta-BHC	4.512	4.019	26386693	207.4E6	10.073	10.459
14)	MA Endrin	6.568	5.781	243.7E6	1941.3E6	49.201	47.940
16)	A 4,4'-DDD	6.701	5.923	3070515	38837436	0.757	1.066 #
17)	MA 4,4'-DDT	7.016	6.174	412.1E6	3355.4E6	100.267	95.667
18)	B Endrin al...	6.913	6.248	1372427	19940698	0.375m	0.720 #
20)	A Methoxychlor	7.489	6.745	503.3E6	3517.5E6	236.805	201.834
21)	B Endrin ke...	7.625	6.981	3953460	29836878	0.814	0.791m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:07
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

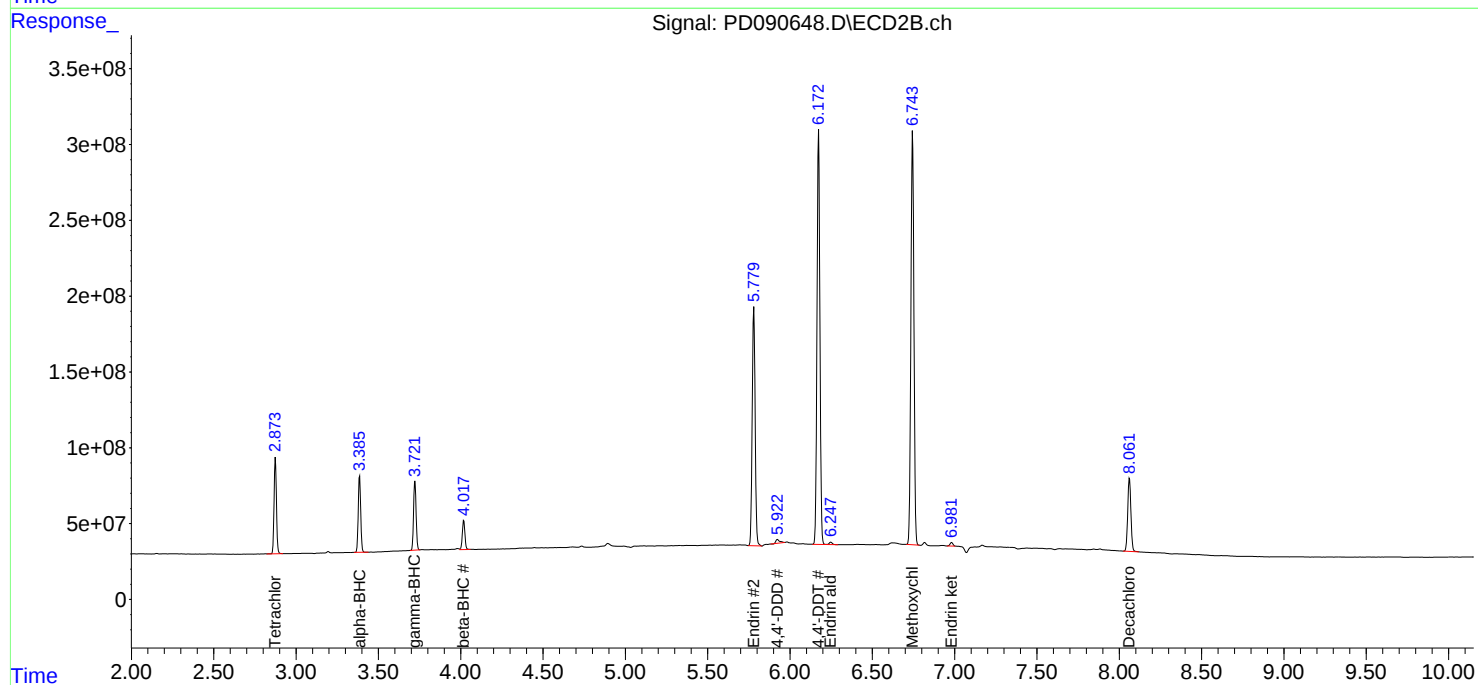
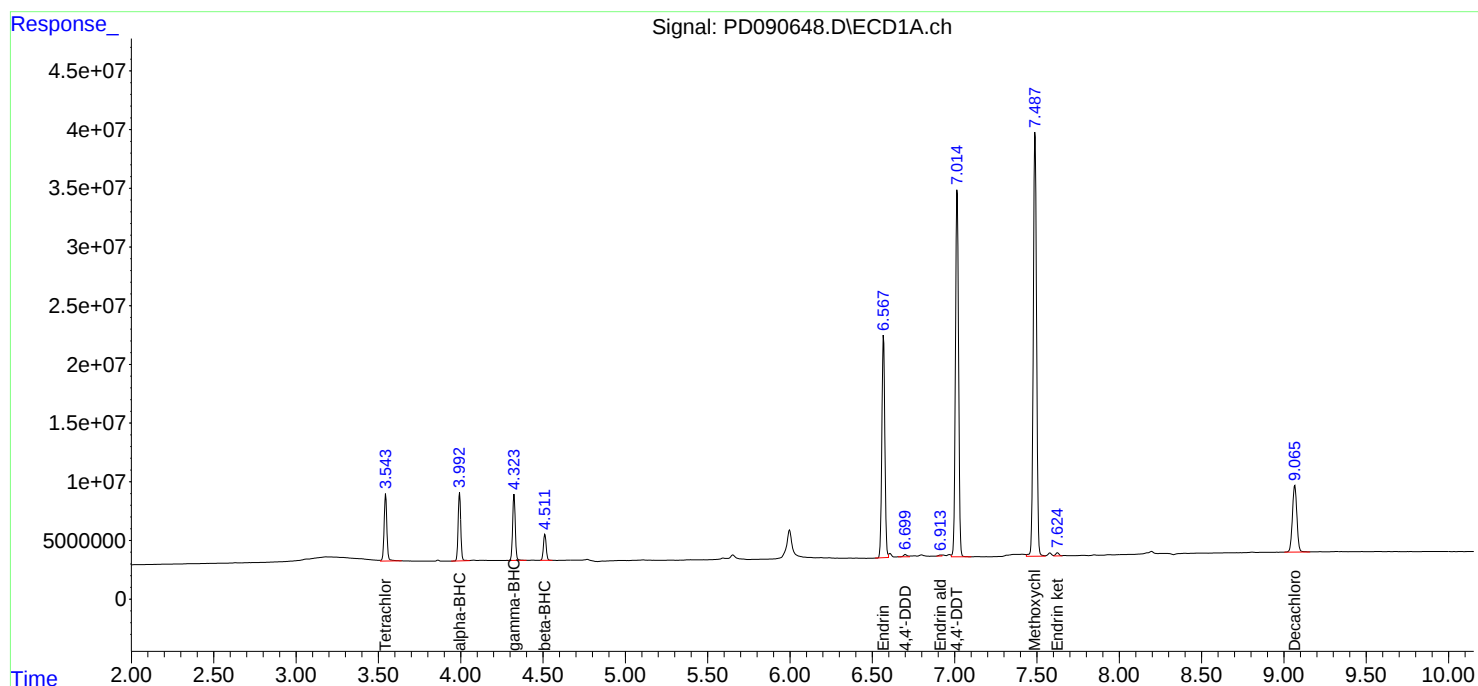
Instrument :
ECD_D
ClientSampleId :
PEM

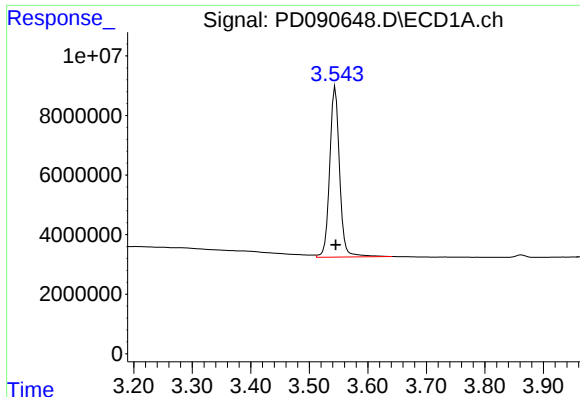
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





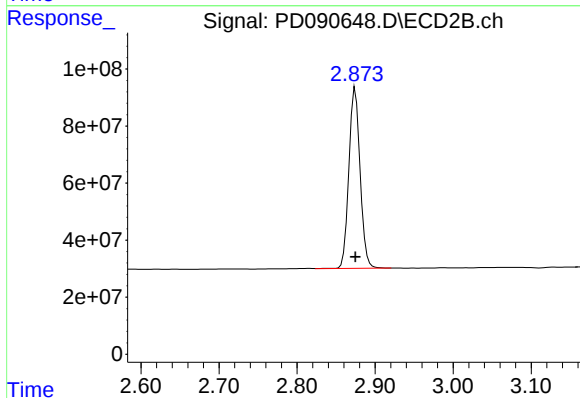
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 67593250
Conc: 21.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

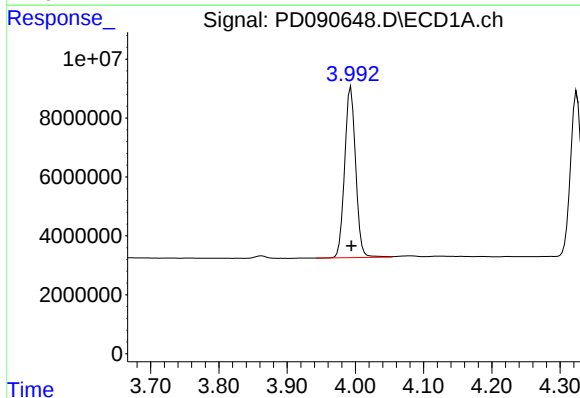
Manual Integrations
APPROVED

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



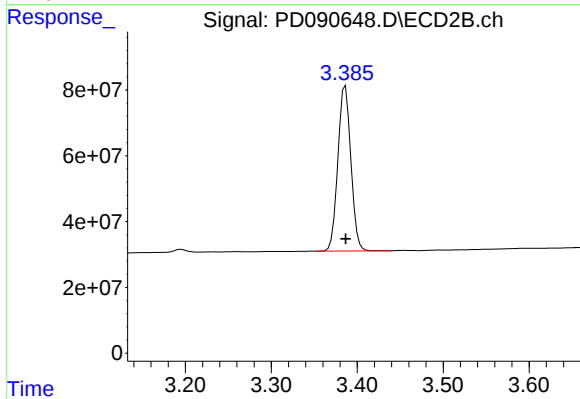
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 631992202
Conc: 21.22 ng/ml



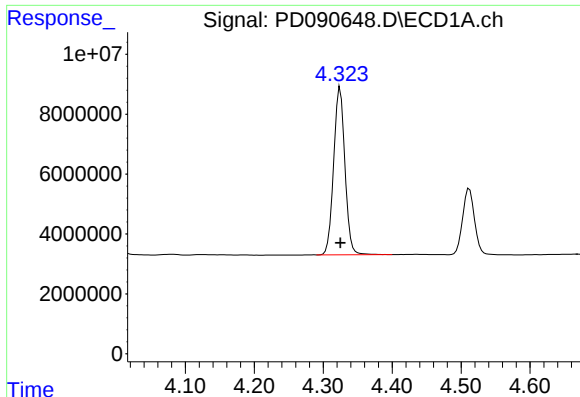
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 64971308
Conc: 9.05 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 526499291
Conc: 10.30 ng/ml



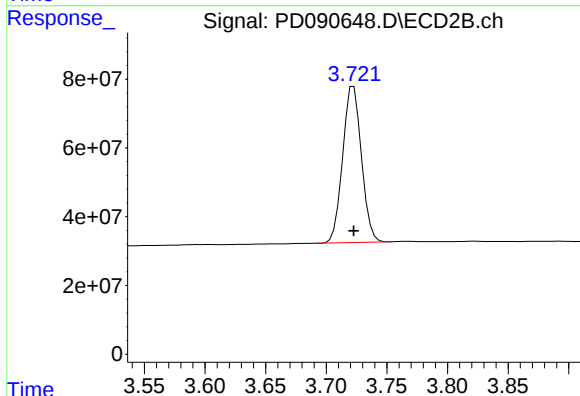
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 63399907
Conc: 9.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

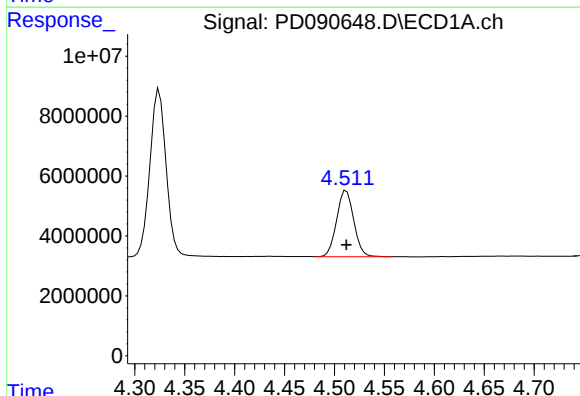
Manual Integrations
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Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



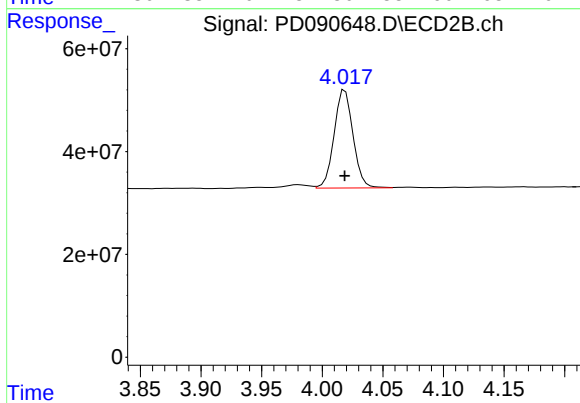
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 488402734
Conc: 10.34 ng/ml



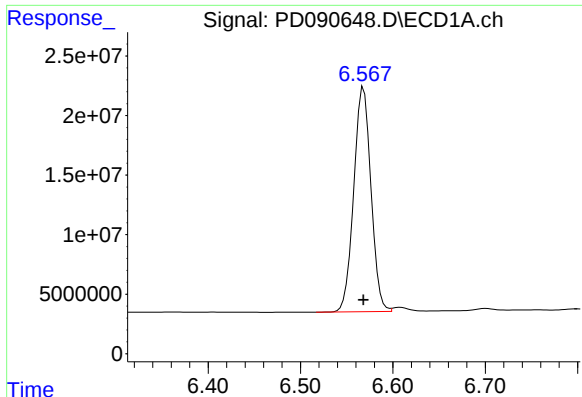
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 26386693
Conc: 10.07 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 207399327
Conc: 10.46 ng/ml



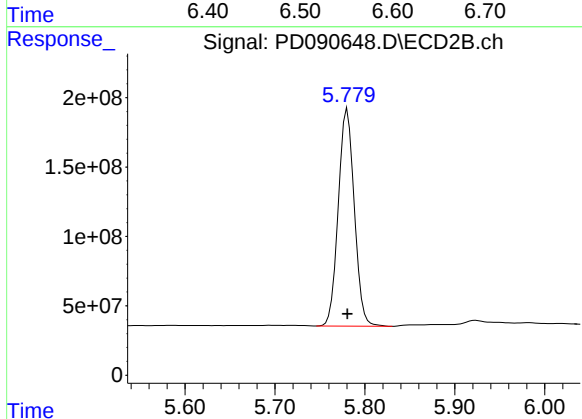
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 243728296
Conc: 49.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

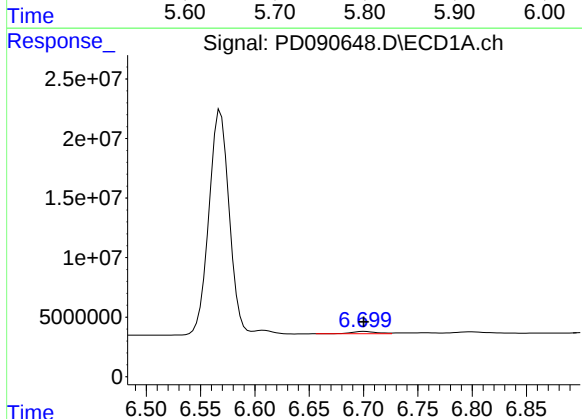
Manual Integrations
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Reviewed By :Abdul Mirza 10/19/2025
Supervised By :mohammad ahmed 10/24/2025



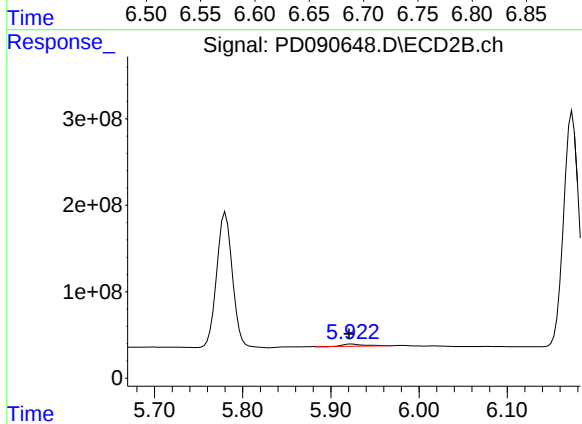
#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1941282940
Conc: 47.94 ng/ml



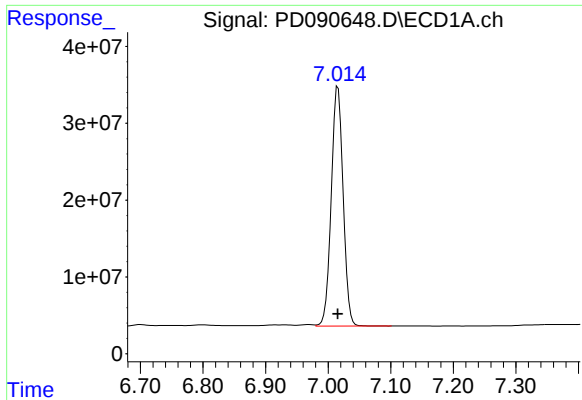
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 3070515
Conc: 0.76 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.003 min
Response: 38837436
Conc: 1.07 ng/ml



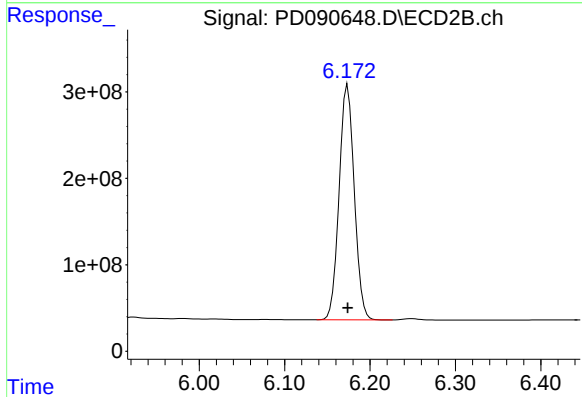
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 412144601
Conc: 100.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

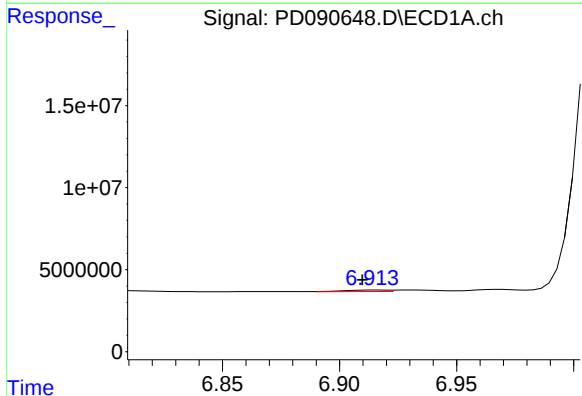
Manual Integrations
APPROVED

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



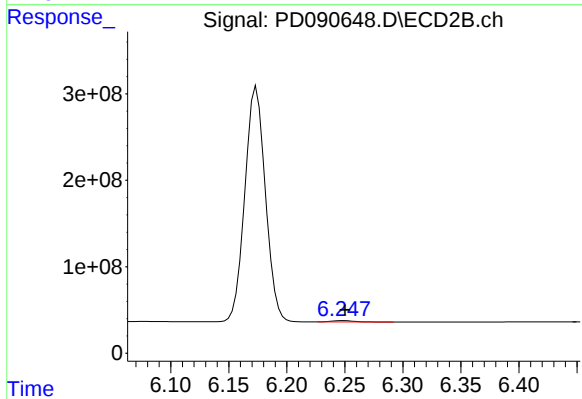
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3355351424
Conc: 95.67 ng/ml



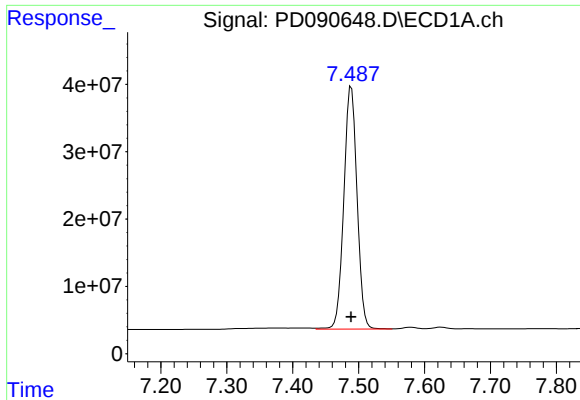
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.003 min
Response: 1372427
Conc: 0.37 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 19940698
Conc: 0.72 ng/ml



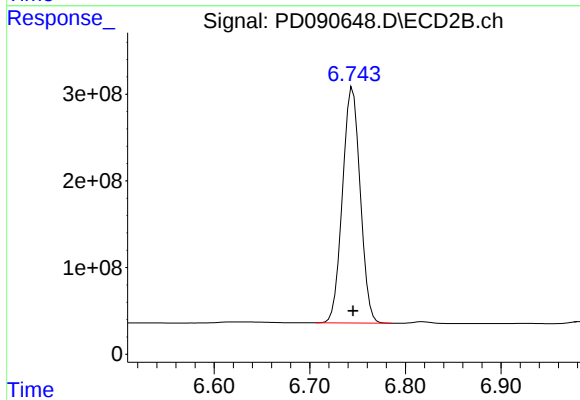
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 503349948
Conc: 236.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

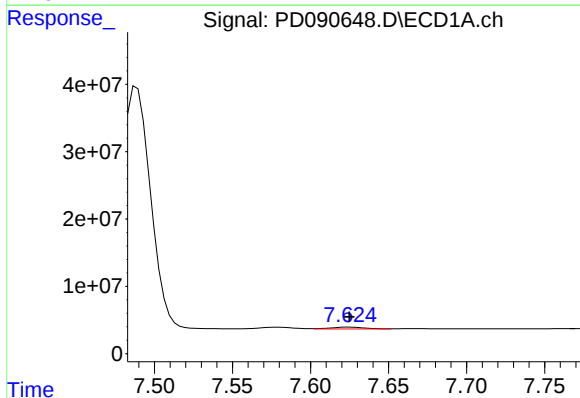
Manual Integrations
APPROVED

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



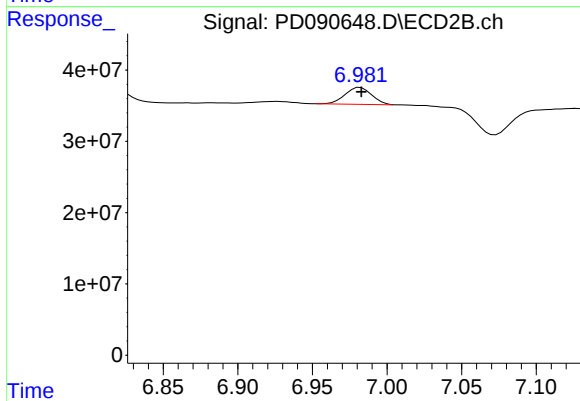
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3517519034
Conc: 201.83 ng/ml



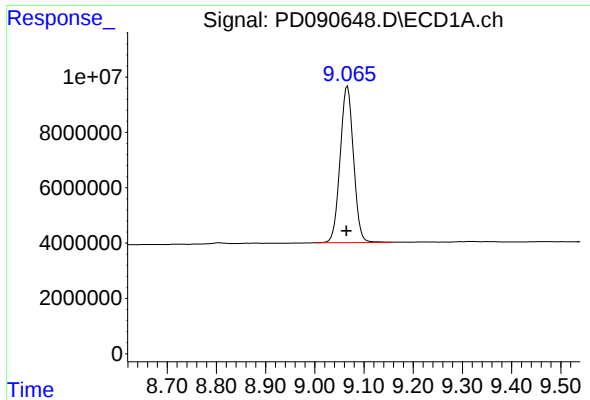
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 3953460
Conc: 0.81 ng/ml



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 29836878
Conc: 0.79 ng/ml m



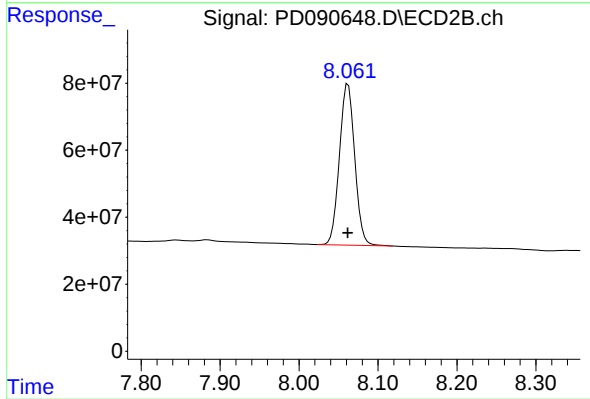
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 106933782
Conc: 22.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 648085268
Conc: 21.40 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090691.D Date Analyzed: 10/20/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:18

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.068	8.970	9.170	22.810	20.000	14.1
Tetrachloro-m-xylene	3.544	3.490	3.590	24.050	20.000	20.3
alpha-BHC	3.994	3.940	4.040	10.350	10.000	3.5
beta-BHC	4.512	4.460	4.560	11.450	10.000	14.5
gamma-BHC (Lindane)	4.325	4.270	4.380	10.620	10.000	6.2
Endrin	6.569	6.500	6.640	56.900	50.000	13.8
4,4'-DDT	7.017	6.950	7.090	116.860	100.000	16.9
Methoxychlor	7.490	7.420	7.560	260.810	250.000	4.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090691.D Date Analyzed: 10/20/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:18

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.062	7.960	8.160	22.580	20.000	12.9
Tetrachloro-m-xylene	2.874	2.820	2.920	23.660	20.000	18.3
alpha-BHC	3.386	3.340	3.440	11.570	10.000	15.7
beta-BHC	4.018	3.970	4.070	11.530	10.000	15.3
gamma-BHC (Lindane)	3.722	3.670	3.770	11.710	10.000	17.1
Endrin	5.780	5.710	5.850	53.990	50.000	8.0
4,4'-DDT	6.174	6.100	6.240	115.610	100.000	15.6
Methoxychlor	6.745	6.670	6.820	222.800	250.000	-10.9

Data File: PEM
 PD090691.D Date Acquired 10/20/2025 10:18
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	281855167.2	286878235.5	5023068.37	Down 1.75
Endrin aldehyde	6.91	1154195.699			
Endrin ketone	7.63	3868872.676			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	2186112459	2244037092	57924632.7	2.58
Endrin aldehyde #2	6.25	24520299.8			
Endrin ketone #2	6.98	33404332.91			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	480334592.7	483628288	3293695.38	0.68
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3293695.381			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	4054769957	4079217189	24447232.2	0.60
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	24447232.19			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090691.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 10:18
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:49:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	74881838	704.7E6	24.046	23.664
28)	SA Decachlor...	9.068	8.062	106.7E6	684.0E6	22.809	22.580
Target Compounds							
2)	A alpha-BHC	3.994	3.386	74279572	591.1E6	10.349	11.569
3)	MA gamma-BHC...	4.325	3.722	72203637	553.3E6	10.620	11.711
6)	B beta-BHC	4.512	4.018	30007682	228.7E6	11.455	11.533
14)	MA Endrin	6.569	5.780	281.9E6	2186.1E6	56.898	53.986
16)	A 4,4'-DDD	6.701	5.922	3293695	24447232	0.812m	0.671
17)	MA 4,4'-DDT	7.017	6.174	480.3E6	4054.8E6	116.856	115.609
18)	B Endrin al...	6.911	6.248	1154196	24520300	0.315m	0.885 #
20)	A Methoxychlor	7.490	6.745	554.4E6	3883.0E6	260.812	222.804
21)	B Endrin ke...	7.626	6.982	3868873	33404333	0.796	0.886

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 10:18
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

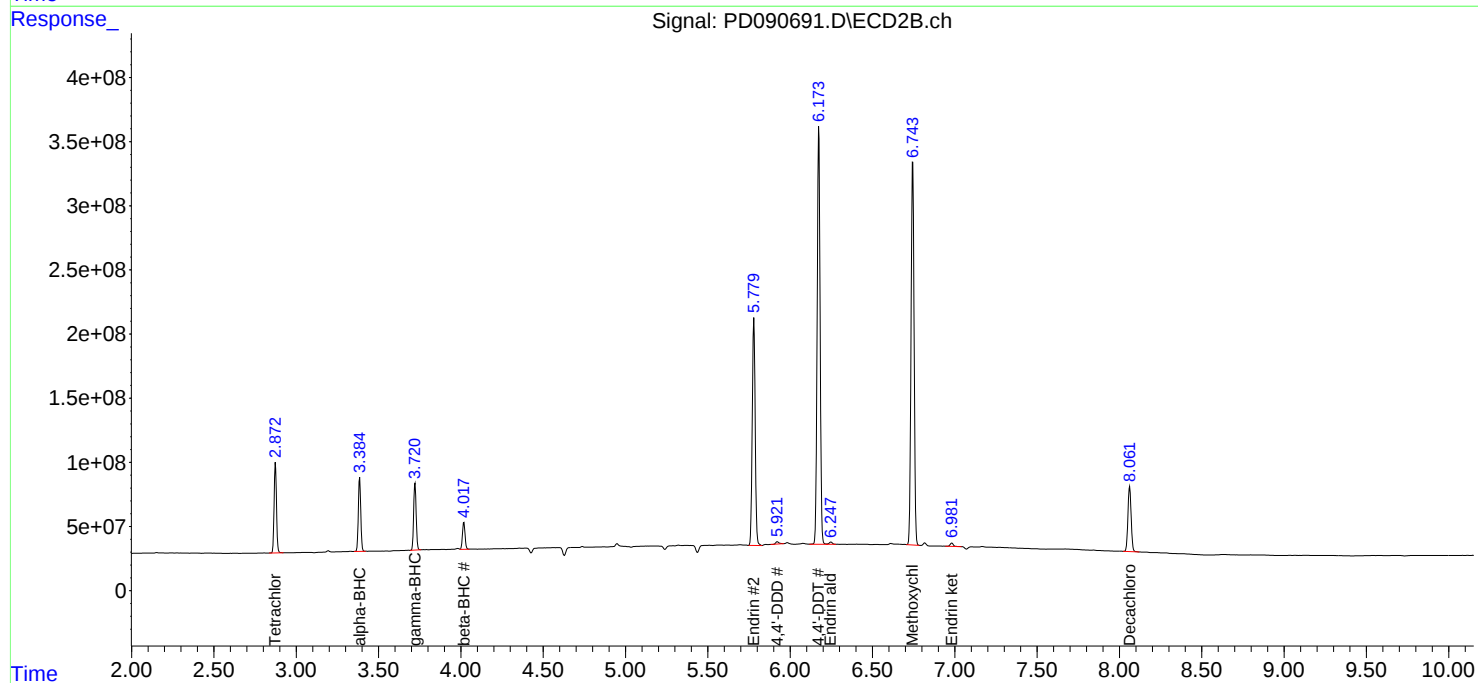
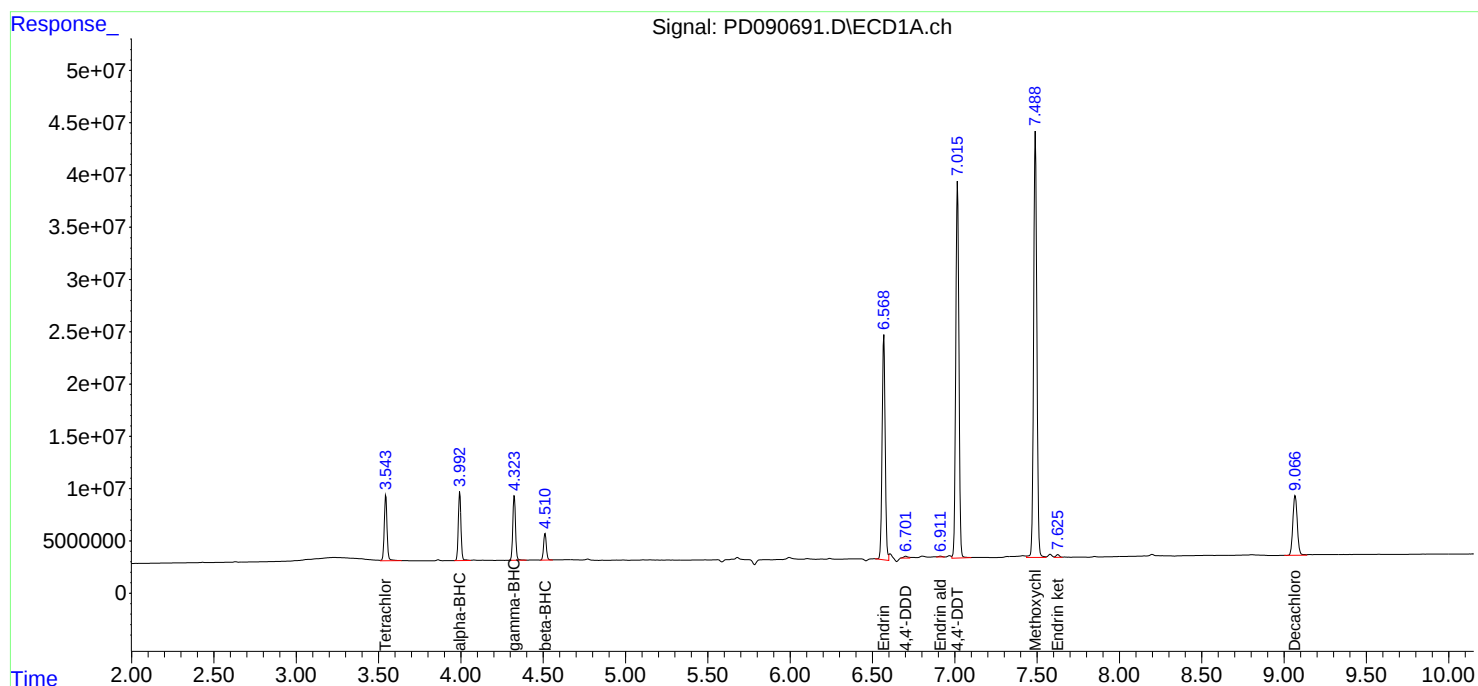
Instrument :
ECD_D
ClientSampleId :
PEM

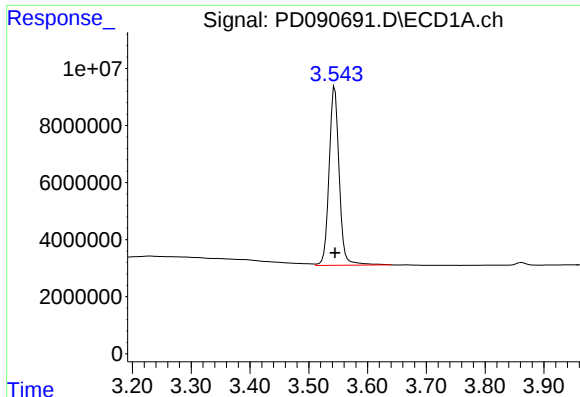
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:49:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





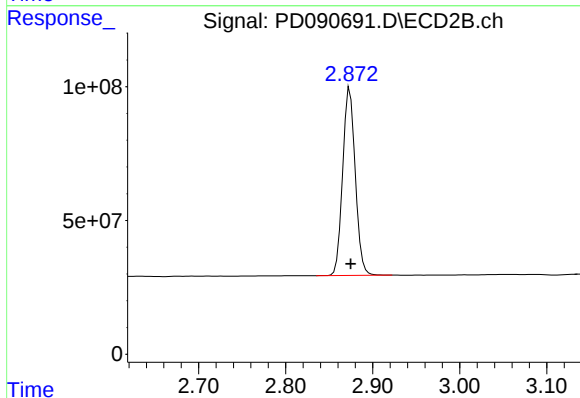
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 74881838
Conc: 24.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

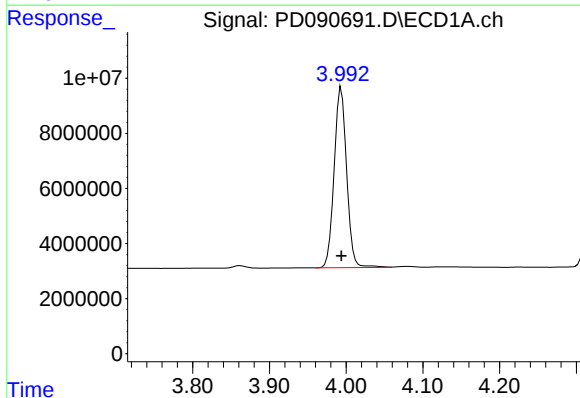
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



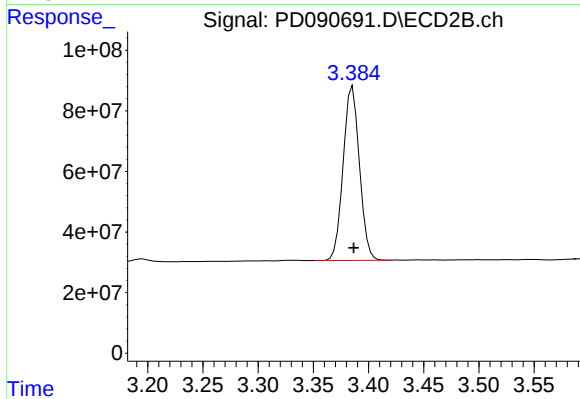
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 704660541
Conc: 23.66 ng/ml



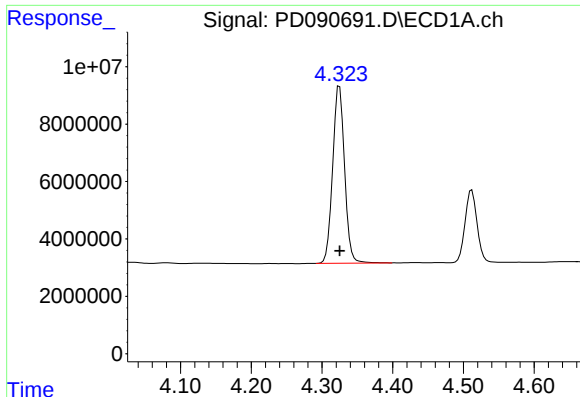
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 74279572
Conc: 10.35 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 591101752
Conc: 11.57 ng/ml



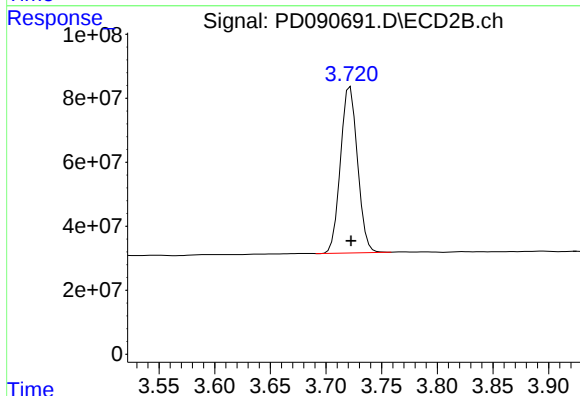
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 72203637
Conc: 10.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

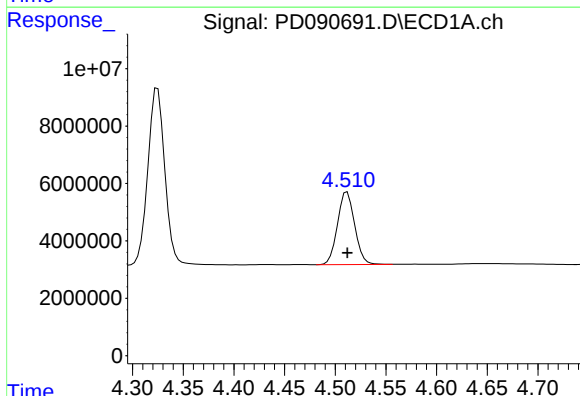
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



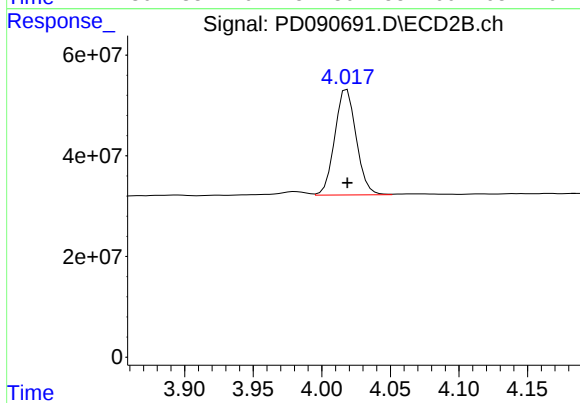
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 553325047
Conc: 11.71 ng/ml



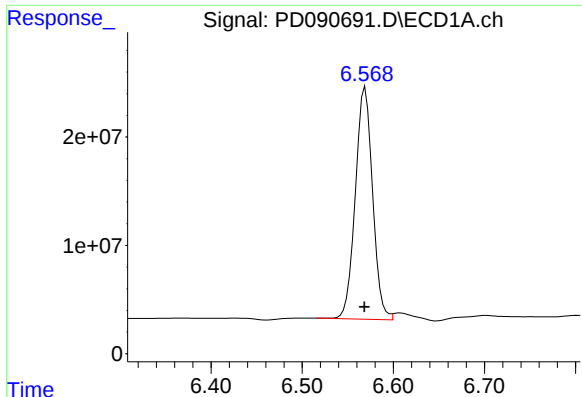
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 30007682
Conc: 11.45 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 228702774
Conc: 11.53 ng/ml



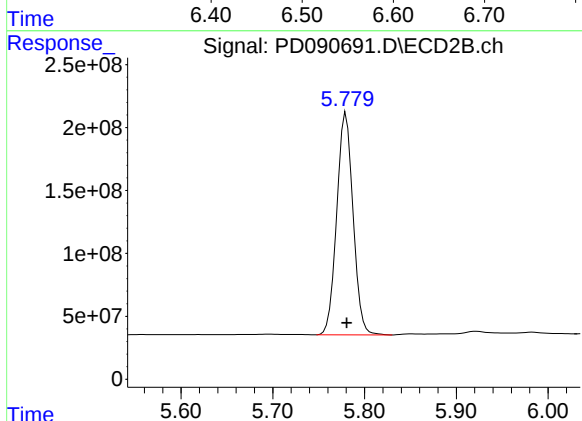
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 281855167
Conc: 56.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

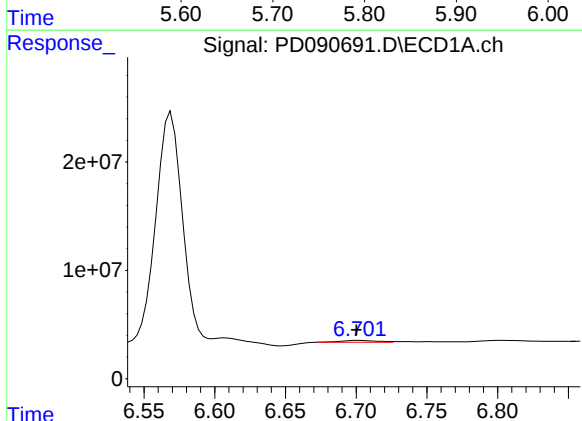
Manual Integrations
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Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



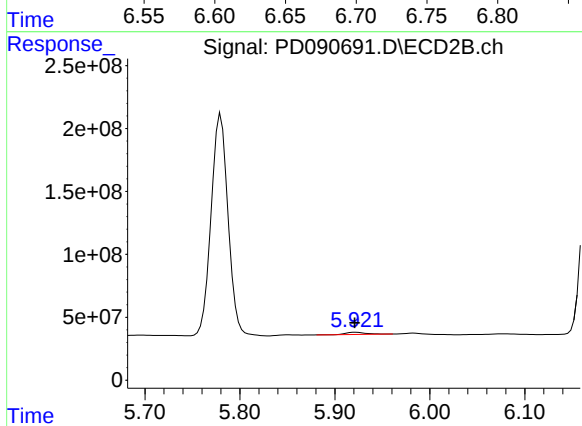
#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2186112459
Conc: 53.99 ng/ml



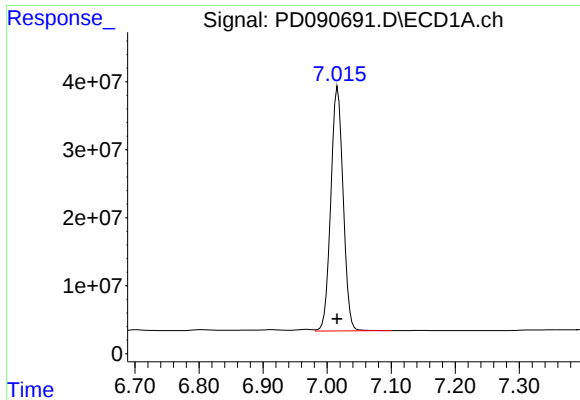
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 3293695
Conc: 0.81 ng/ml m



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.001 min
Response: 24447232
Conc: 0.67 ng/ml



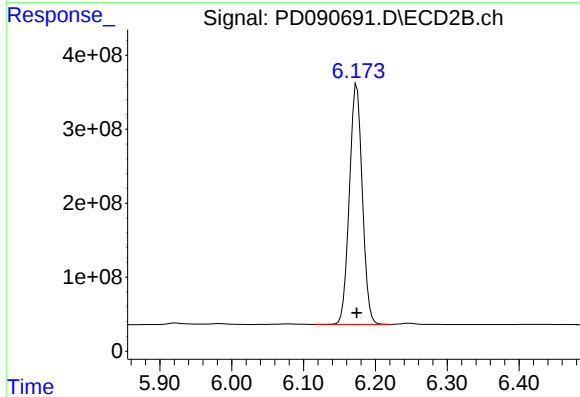
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.001 min
Response: 480334593
Conc: 116.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

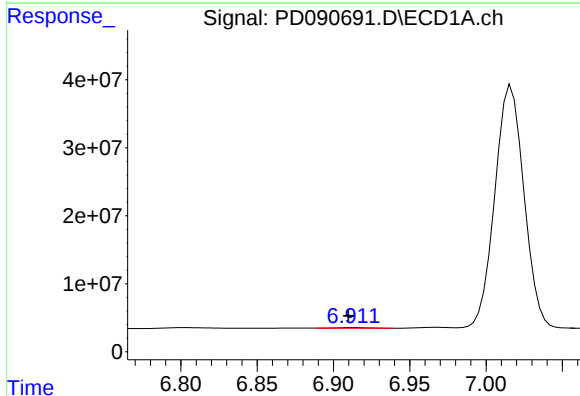
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



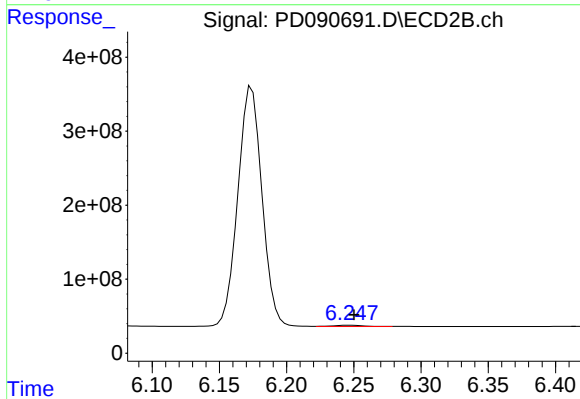
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 4054769957
Conc: 115.61 ng/ml



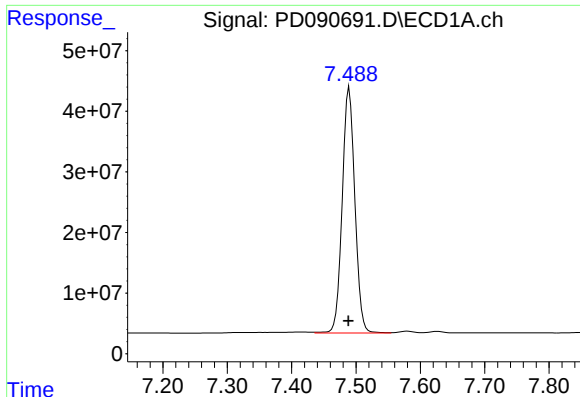
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.002 min
Response: 1154196
Conc: 0.32 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 24520300
Conc: 0.89 ng/ml



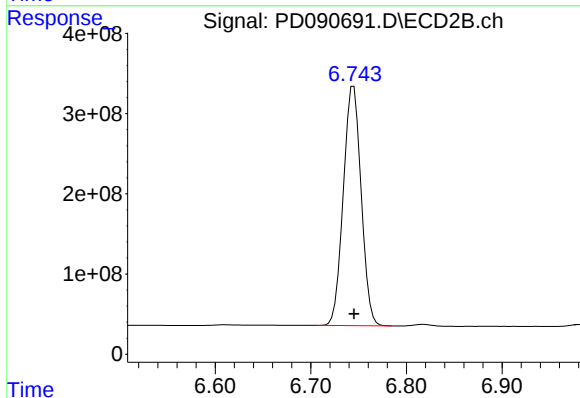
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 554378527
Conc: 260.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

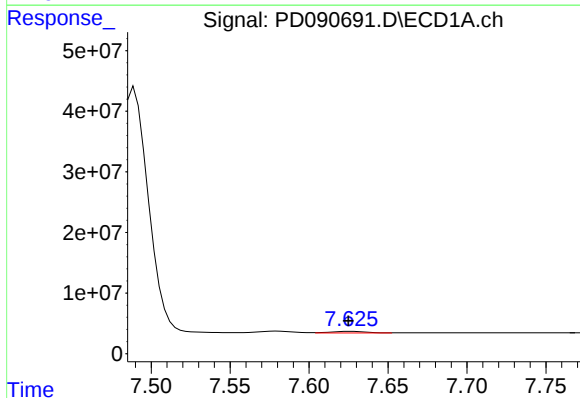
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



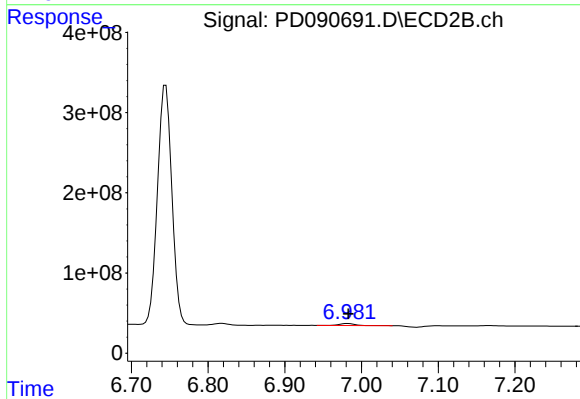
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3882982249
Conc: 222.80 ng/ml



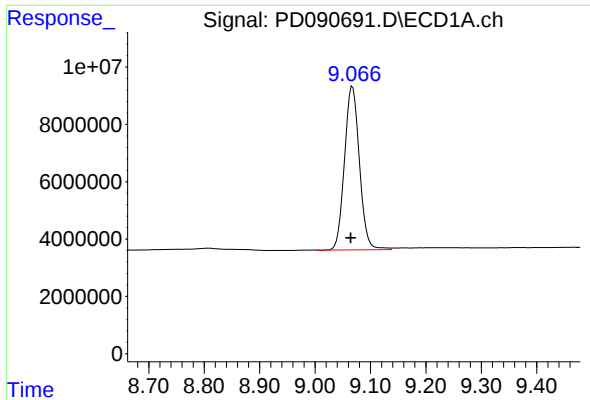
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.002 min
Response: 3868873
Conc: 0.80 ng/ml



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 33404333
Conc: 0.89 ng/ml



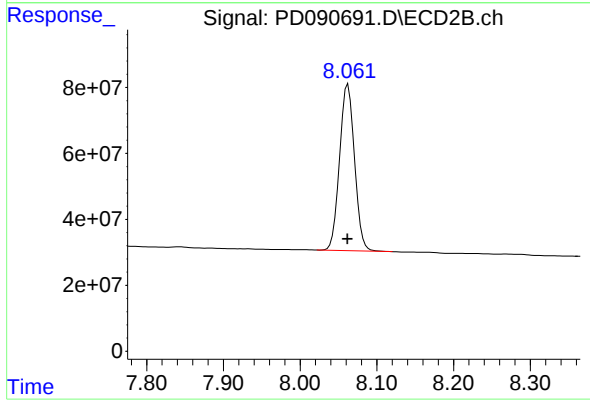
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.003 min
Response: 106697724
Conc: 22.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 683968348
Conc: 22.58 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090712.D Date Analyzed: 10/20/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:55

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	22.010	20.000	10.1
Tetrachloro-m-xylene	3.544	3.490	3.590	23.290	20.000	16.5
alpha-BHC	3.993	3.940	4.040	9.900	10.000	-1.0
beta-BHC	4.512	4.460	4.560	11.060	10.000	10.6
gamma-BHC (Lindane)	4.324	4.270	4.370	10.190	10.000	1.9
Endrin	6.569	6.500	6.640	54.760	50.000	9.5
4,4'-DDT	7.016	6.950	7.090	107.540	100.000	7.5
Methoxychlor	7.489	7.420	7.560	245.850	250.000	-1.7

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090712.D Date Analyzed: 10/20/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:55

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	21.010	20.000	5.1
Tetrachloro-m-xylene	2.874	2.820	2.920	22.500	20.000	12.5
alpha-BHC	3.386	3.340	3.440	11.010	10.000	10.1
beta-BHC	4.019	3.970	4.070	10.810	10.000	8.1
gamma-BHC (Lindane)	3.722	3.670	3.770	11.090	10.000	10.9
Endrin	5.780	5.710	5.850	51.800	50.000	3.6
4,4'-DDT	6.174	6.100	6.240	102.190	100.000	2.2
Methoxychlor	6.744	6.670	6.810	212.170	250.000	-15.1

Data File: PEM
 PD090712.D Date Acquired 10/20/2025 18:55
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	271280665.7	276237020.9	4956355.22	1.79
Endrin aldehyde	6.91	1169125.567			
Endrin ketone	7.63	3787229.651			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	2097752360	2156335037	58582676.2	2.72
Endrin aldehyde #2	6.25	23934451.13			
Endrin ketone #2	6.98	34648225.02			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	442026899	445336133.6	3309234.57	0.74
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3309234.574			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3584064801	3630988856	46924055.4	1.29
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	46924055.41			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090712.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 18:55
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:54:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	72535291	670.0E6	23.292	22.501
28)	SA Decachlor...	9.066	8.062	103.0E6	636.4E6	22.014	21.010
Target Compounds							
2)	A alpha-BHC	3.993	3.386	71041933	562.5E6	9.898	11.009
3)	MA gamma-BHC...	4.324	3.722	69247078	524.1E6	10.185	11.093
6)	B beta-BHC	4.512	4.019	28970059	214.3E6	11.059	10.808
14)	MA Endrin	6.569	5.780	271.3E6	2097.8E6	54.763	51.804
16)	A 4,4'-DDD	6.700	5.924	3309235	46924055	0.816m	1.288 #
17)	MA 4,4'-DDT	7.016	6.174	442.0E6	3584.1E6	107.537	102.188
18)	B Endrin al...	6.910	6.248	1169126	23934451	0.319m	0.864 #
20)	A Methoxychlor	7.489	6.744	522.6E6	3697.7E6	245.849	212.171
21)	B Endrin ke...	7.626	6.982	3787230	34648225	0.779	0.919

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090712.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 18:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

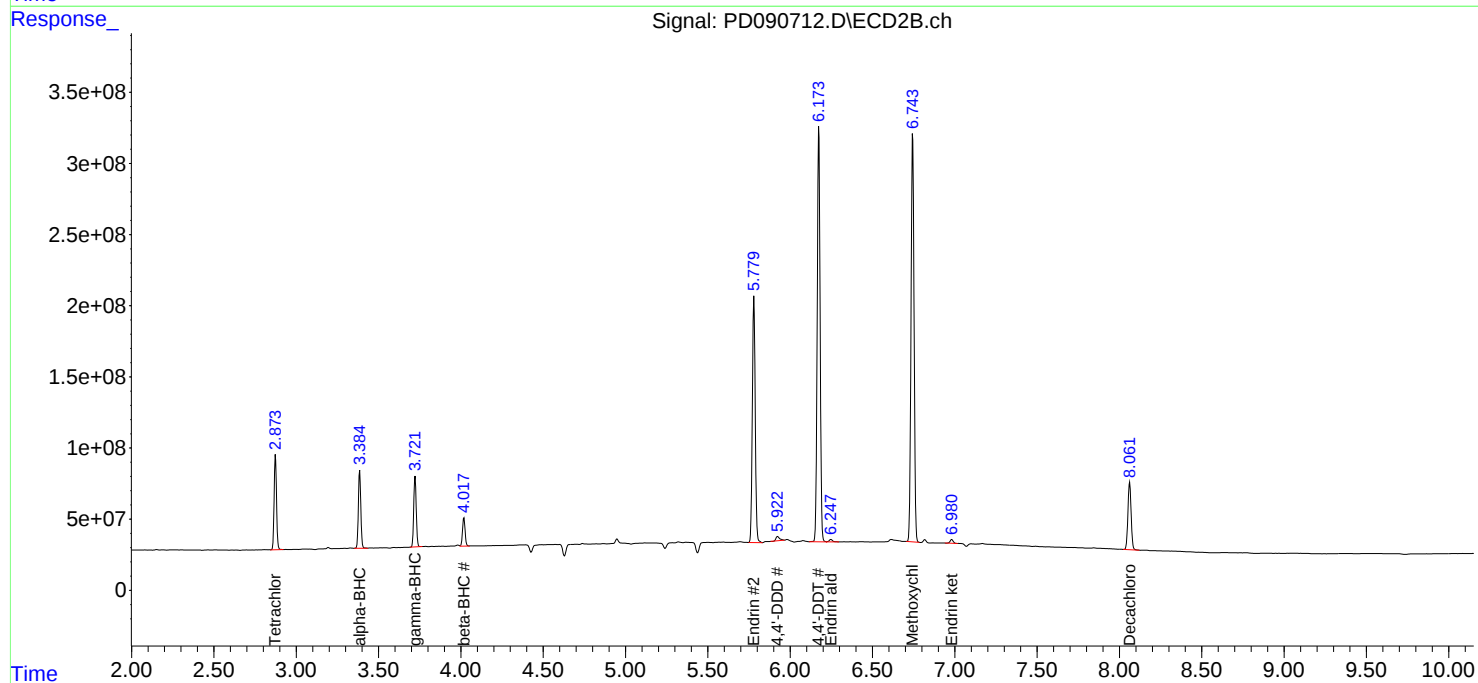
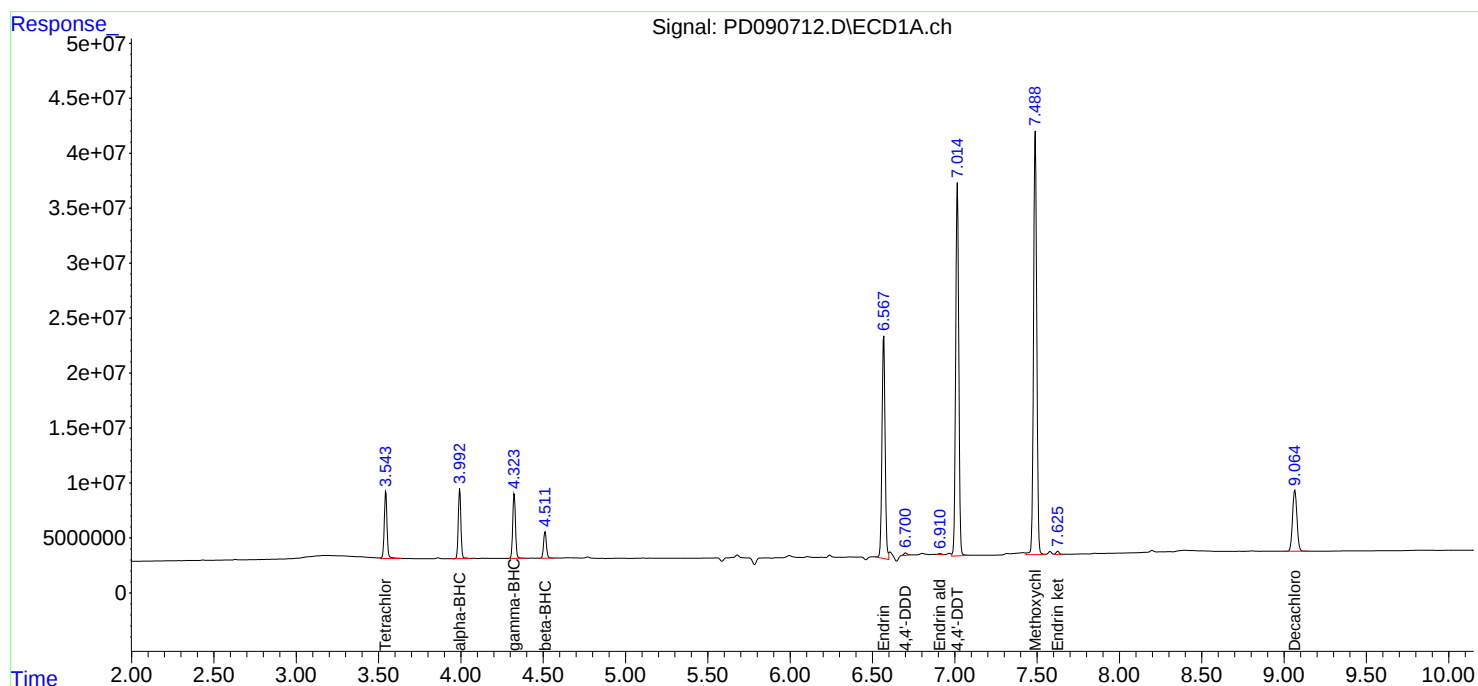
Instrument :
ECD_D
ClientSampleId :
PEM

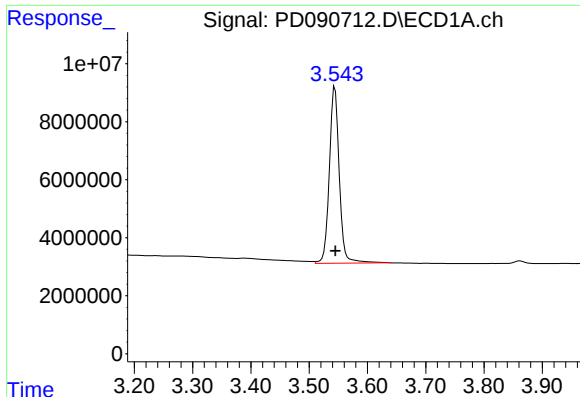
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:54:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





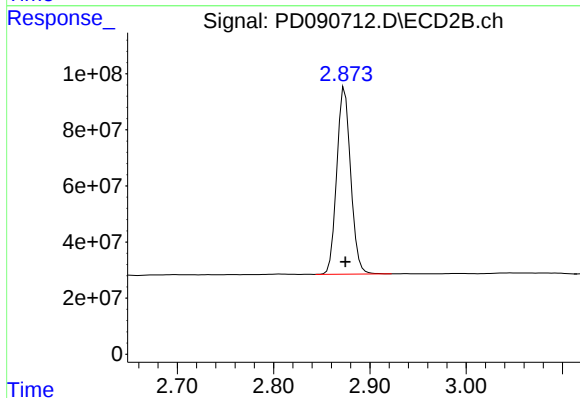
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 72535291
Conc: 23.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

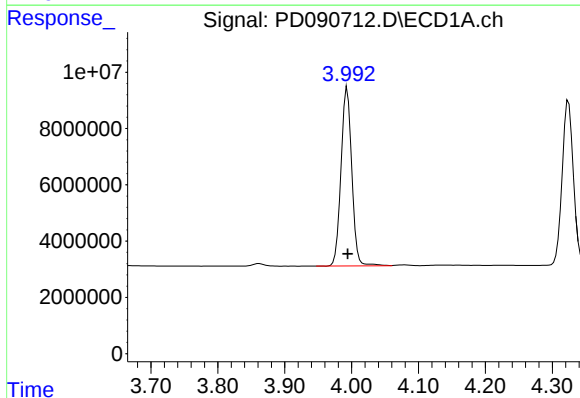
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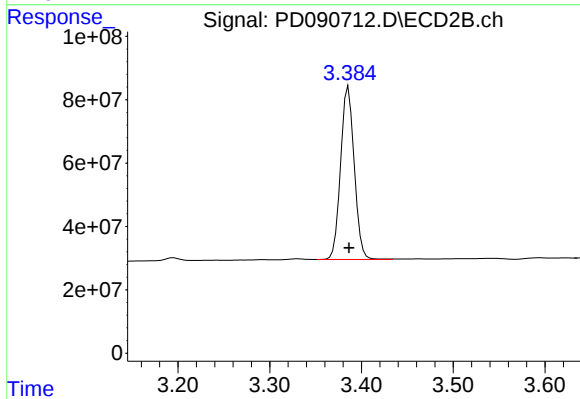
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 670025564
Conc: 22.50 ng/ml



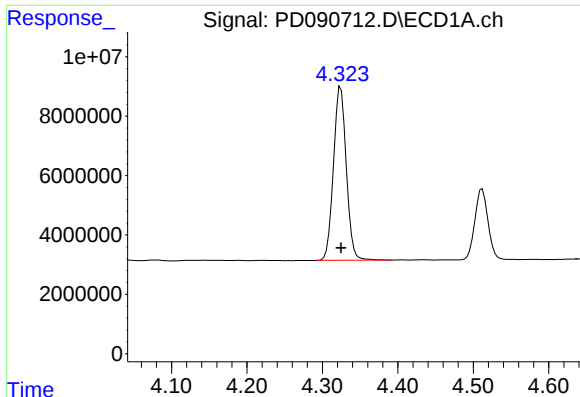
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 71041933
Conc: 9.90 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 562538248
Conc: 11.01 ng/ml



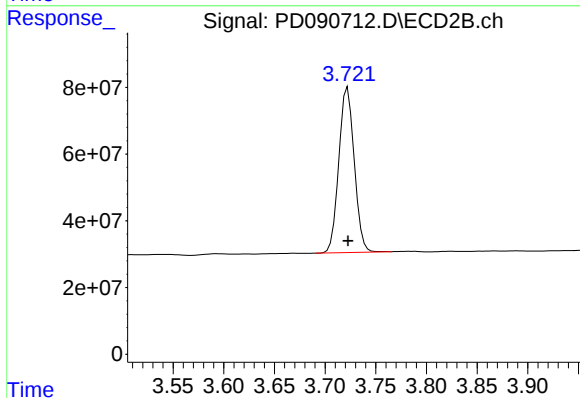
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 69247078
Conc: 10.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

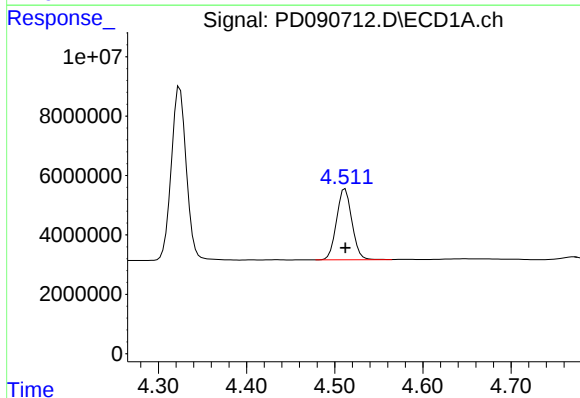
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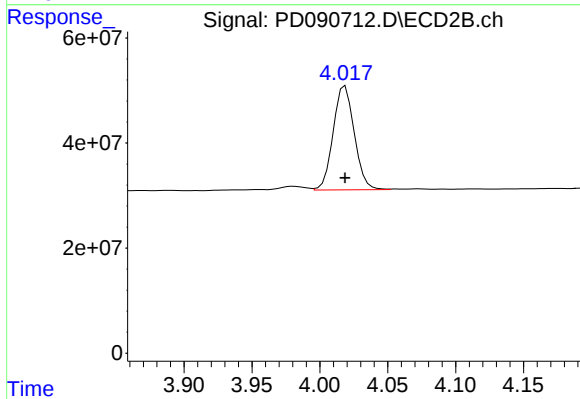
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 524146970
Conc: 11.09 ng/ml



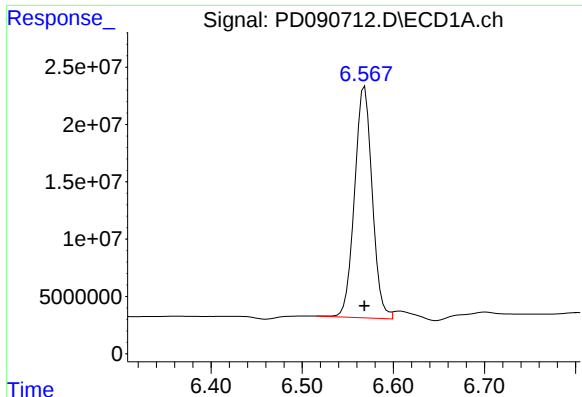
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 28970059
Conc: 11.06 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 214327054
Conc: 10.81 ng/ml



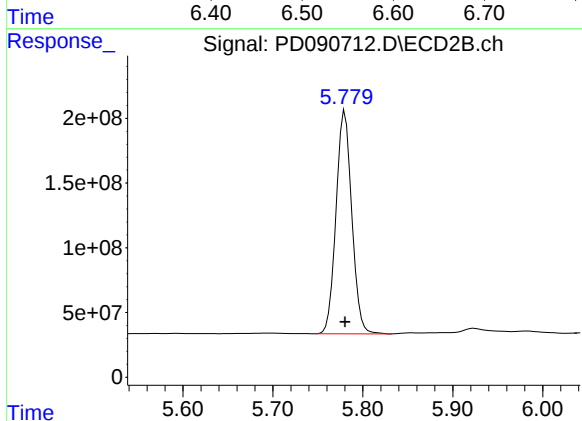
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 271280666
Conc: 54.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

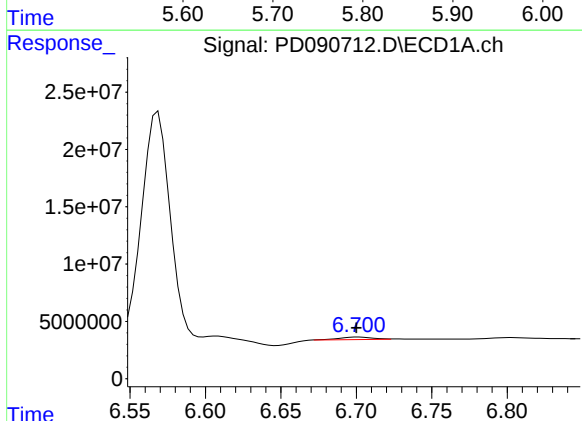
Manual Integrations
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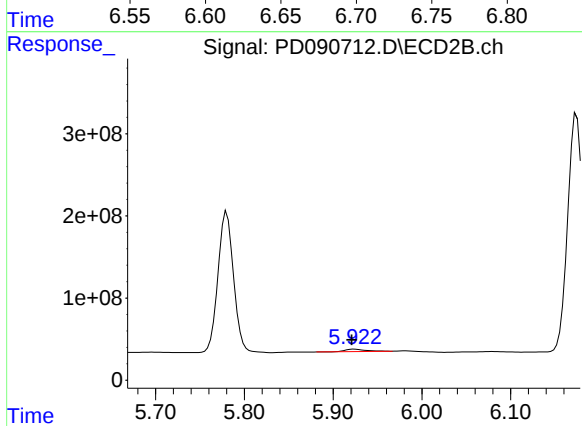
#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2097752360
Conc: 51.80 ng/ml



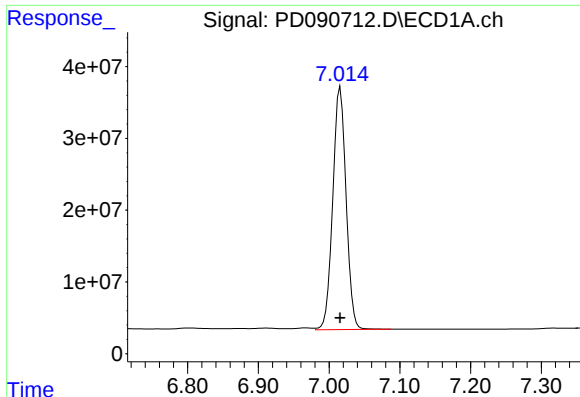
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 3309235
Conc: 0.82 ng/ml m



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.003 min
Response: 46924055
Conc: 1.29 ng/ml



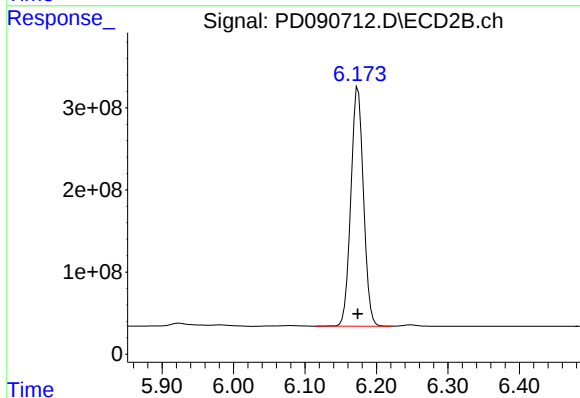
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 442026899
Conc: 107.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

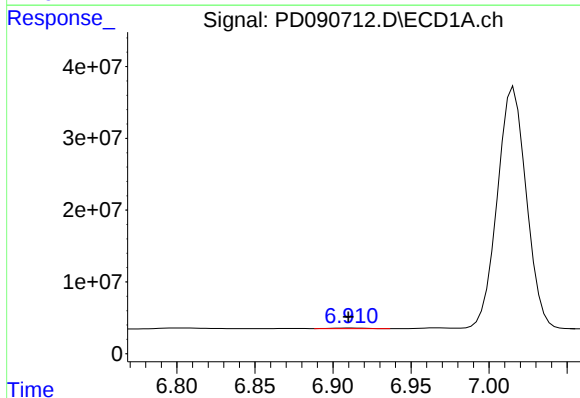
Manual Integrations
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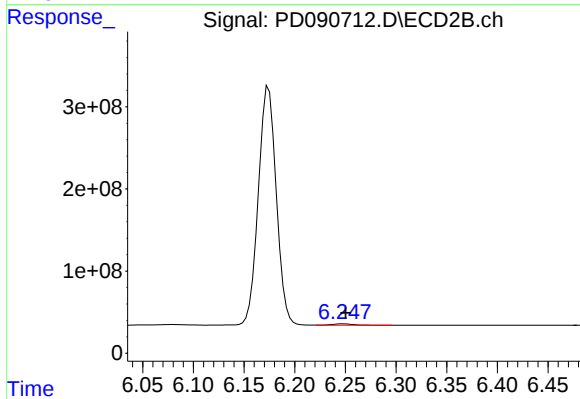
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3584064801
Conc: 102.19 ng/ml



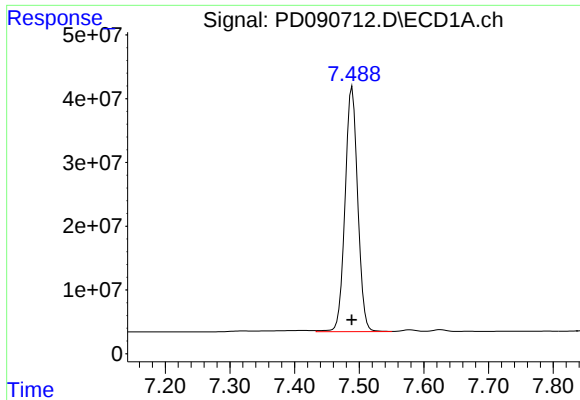
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 1169126
Conc: 0.32 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 23934451
Conc: 0.86 ng/ml



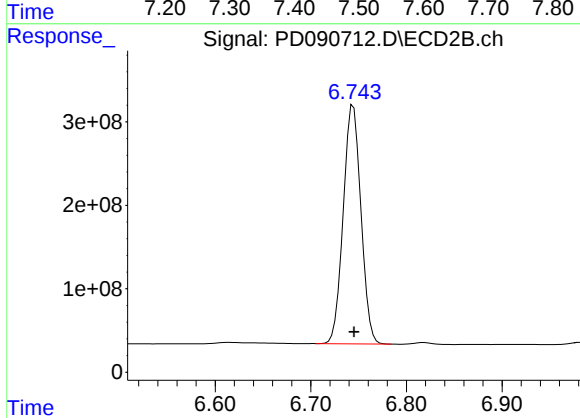
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 522573831
Conc: 245.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

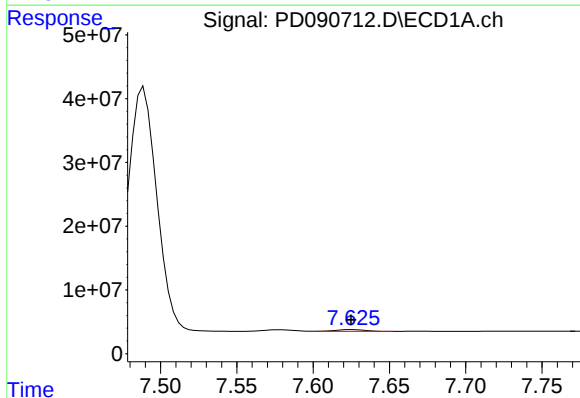
Manual Integrations
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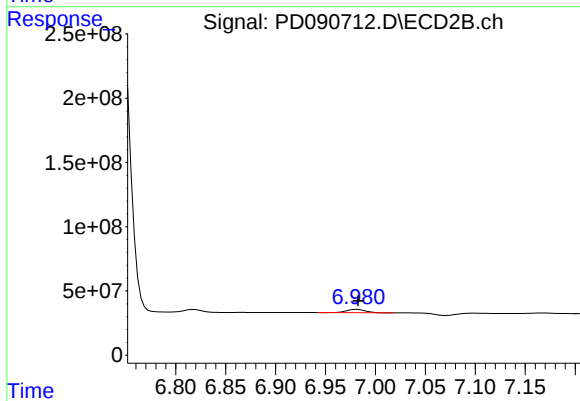
#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 3697684165
Conc: 212.17 ng/ml



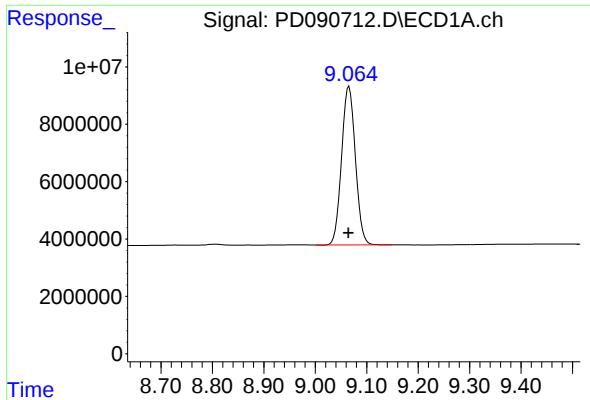
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 3787230
Conc: 0.78 ng/ml



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.001 min
Response: 34648225
Conc: 0.92 ng/ml



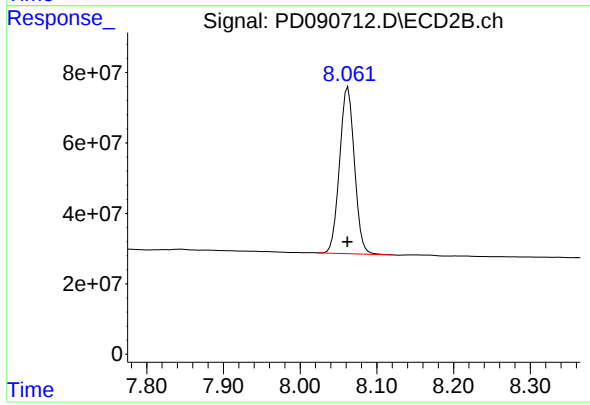
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 102979808
Conc: 22.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 636426198
Conc: 21.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090649.D
Acq On : 17 Oct 2025 11:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Title : GC Extractables
Last Update : Fri Oct 17 17:43:28 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.544	5.940	100.00%
5.940	6.068	100.00%
6.068	6.190	100.00%
6.190	6.341	100.00%
6.341	7.144	100.00%
7.144	7.488	100.00%
7.488	7.625	100.00%
7.625	9.066	100.00%

Signal #2

2.874	5.116	100.00%
5.116	5.238	100.00%
5.238	5.366	100.00%
5.366	5.503	100.00%
5.503	6.474	100.00%
6.474	6.745	100.00%
6.745	6.983	100.00%
6.983	8.062	100.00%

PD101725.M Sat Oct 25 06:10:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090649.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:20
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 14:04:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.874	55125186	545.1E6	17.701m	18.307
28)	SA Decachlor...	9.066	8.062	88858238	547.9E6	18.995	18.088
Target Compounds							
9)	A Endosulfan I	6.068	5.238	43926319	330.7E6	7.934	8.397
10)	B gamma-Chl...	5.940	5.116	47696248	387.3E6	8.042	8.616
12)	B 4,4'-DDE	6.190	5.366	86477351	754.1E6	16.235	17.202
13)	MA Dieldrin	6.341	5.503	92552800	748.0E6	15.872	16.930
19)	B Endosulfa...	7.144	6.474	76754913	612.1E6	16.548	17.078
20)	A Methoxychlor	7.488	6.745	169.7E6	1331.6E6	79.844	76.409
21)	B Endrin ke...	7.625	6.983	80182457	638.1E6	16.502	16.917

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

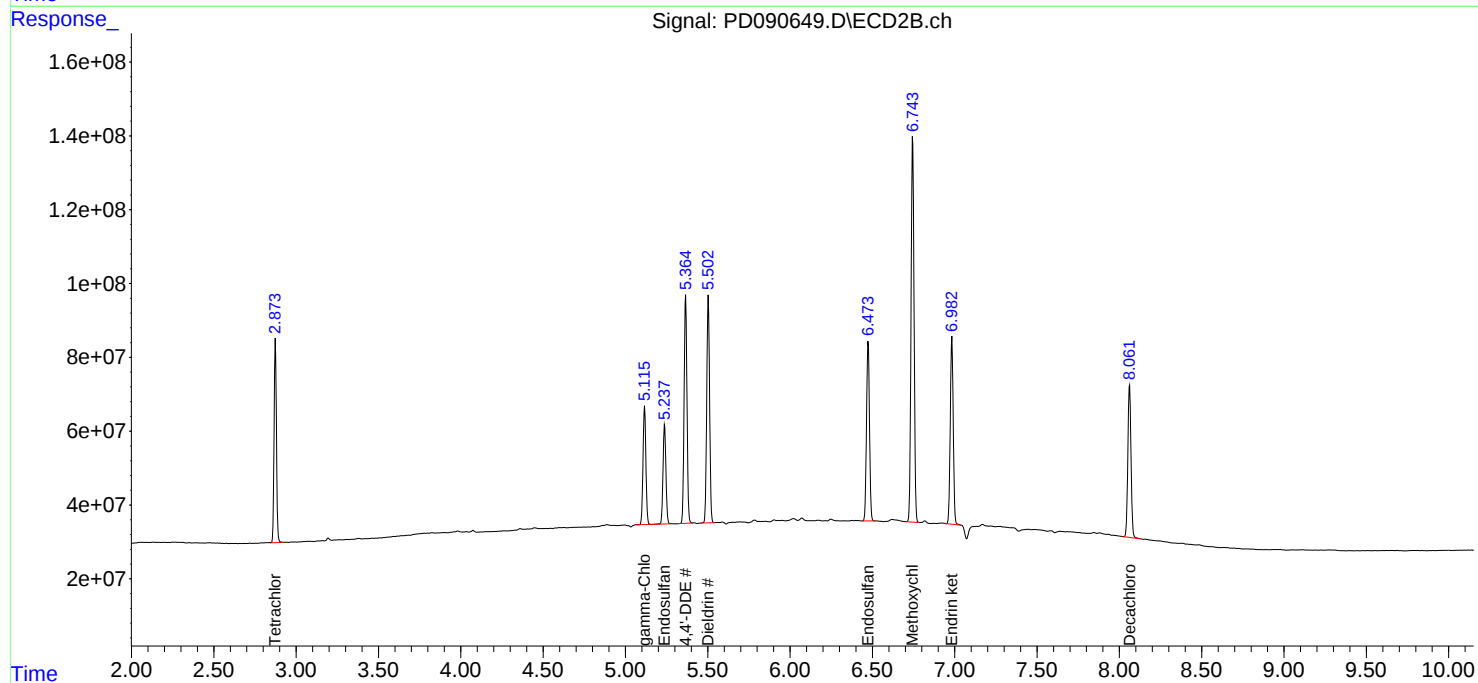
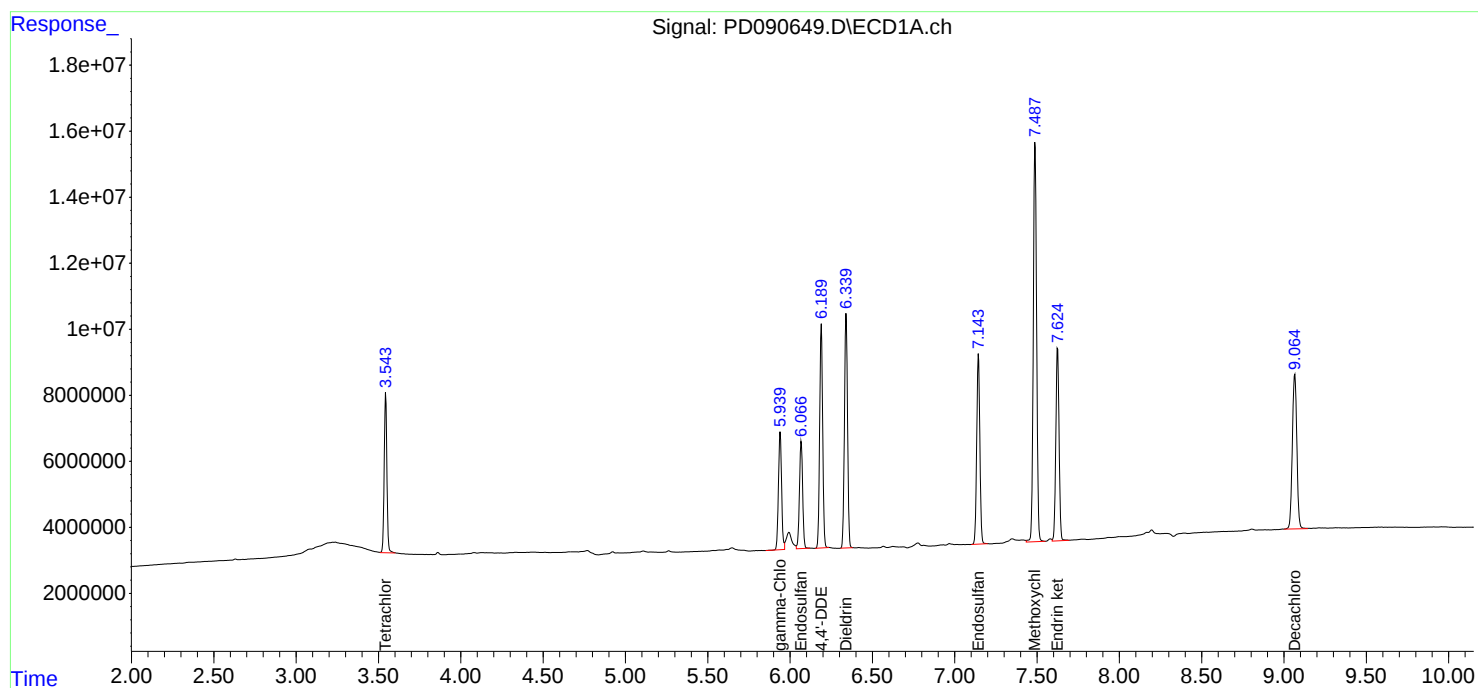
Instrument :
ECD_D
ClientSampleId :
RESCHK

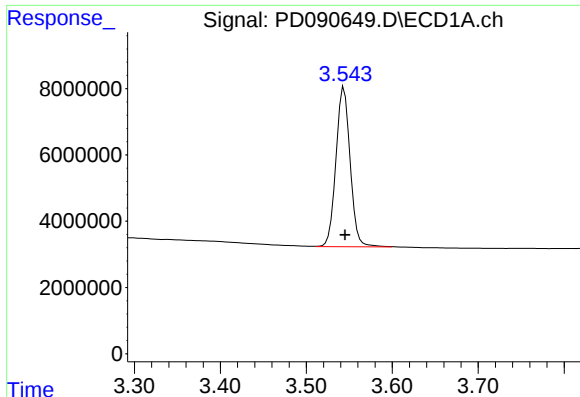
Manual Integrations
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Supervised By : mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:04:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





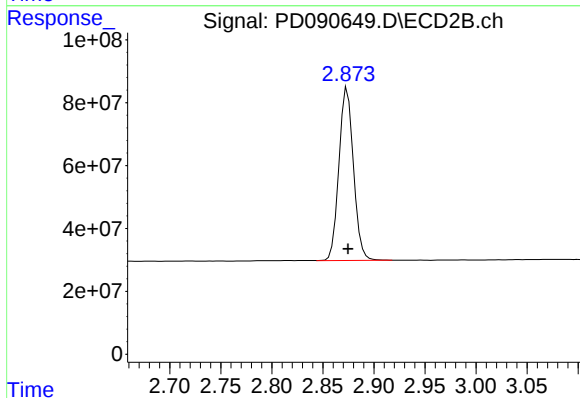
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 55125186
Conc: 17.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

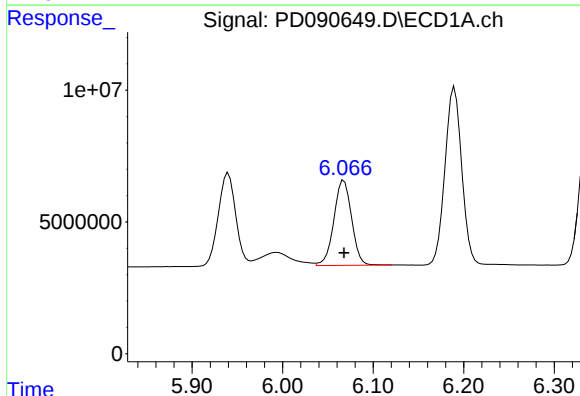
Manual Integrations
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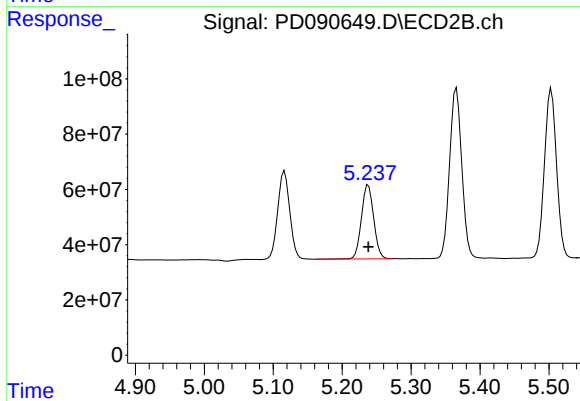
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 545126372
Conc: 18.31 ng/ml



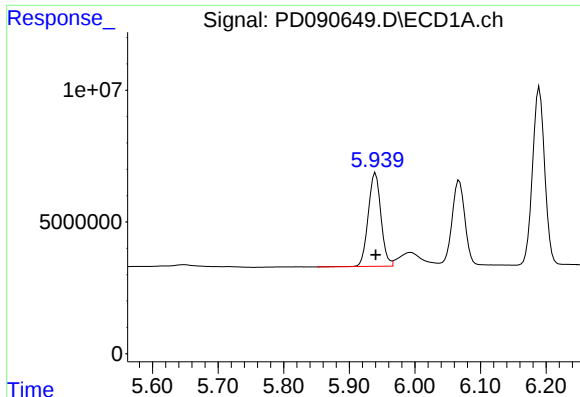
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 43926319
Conc: 7.93 ng/ml



#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 330745194
Conc: 8.40 ng/ml



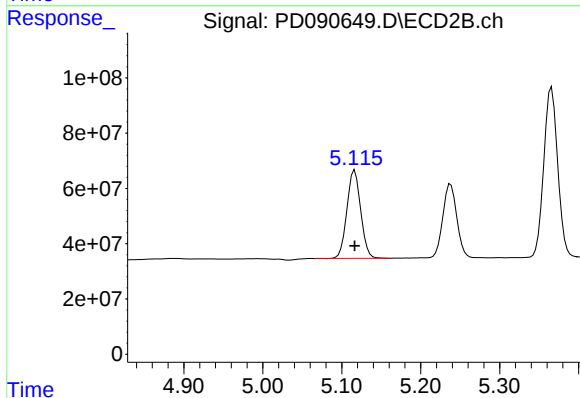
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 47696248
Conc: 8.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

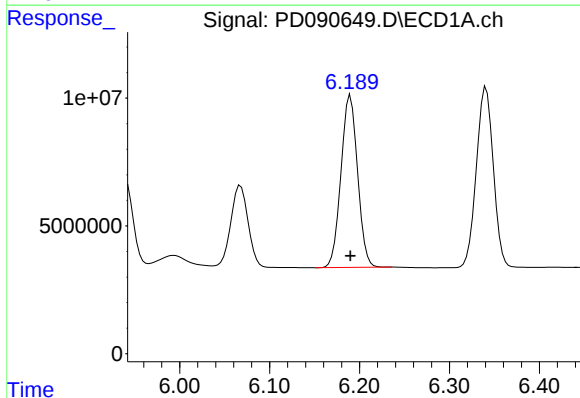
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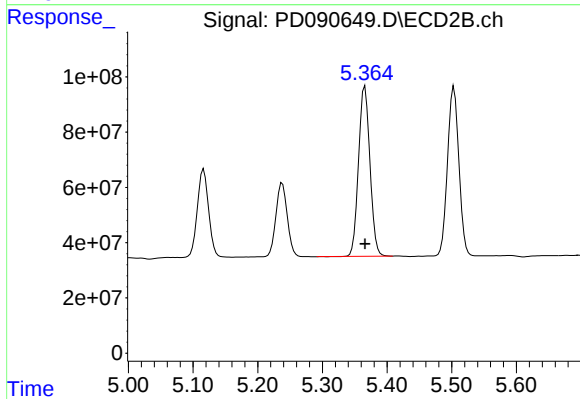
#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 387274886
Conc: 8.62 ng/ml



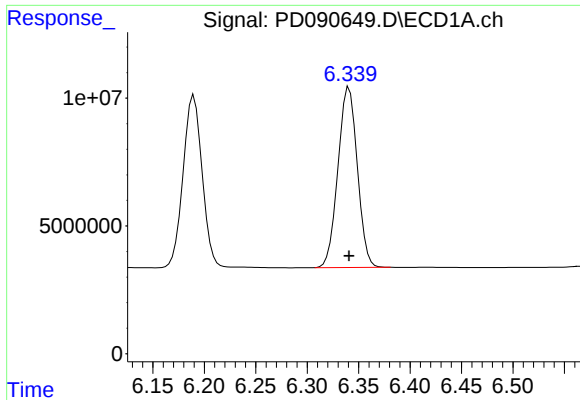
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 86477351
Conc: 16.23 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 754114700
Conc: 17.20 ng/ml



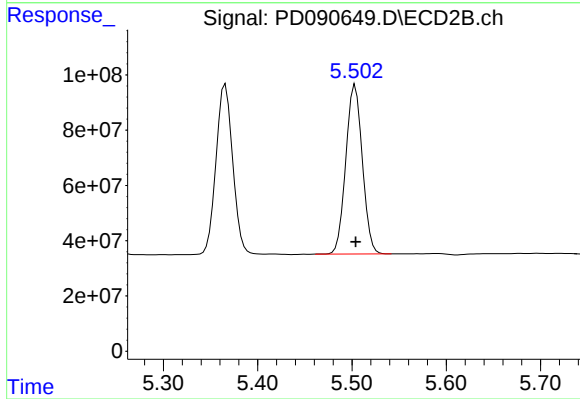
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 92552800
Conc: 15.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

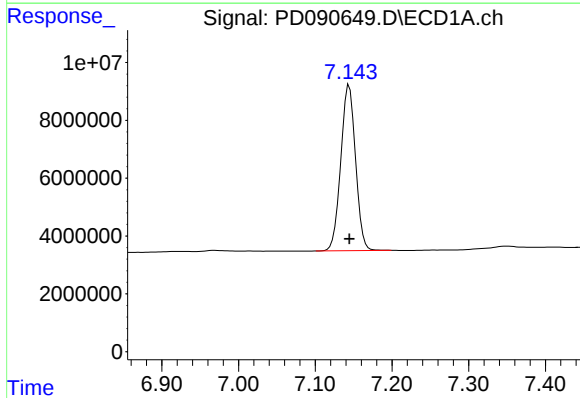
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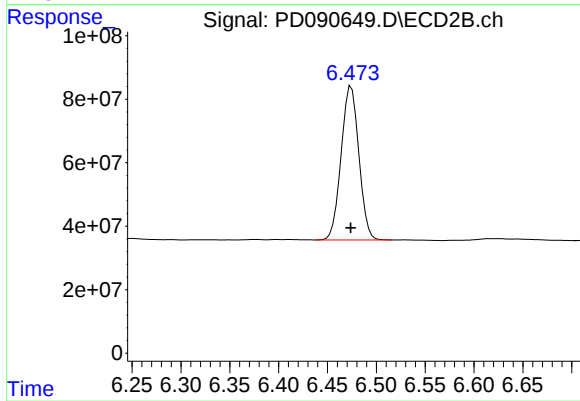
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 748035470
Conc: 16.93 ng/ml



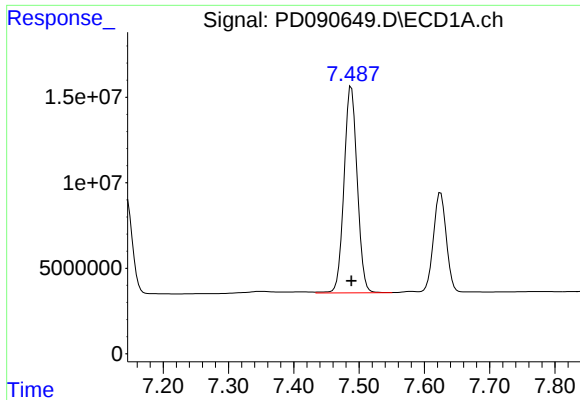
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 76754913
Conc: 16.55 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 612147653
Conc: 17.08 ng/ml



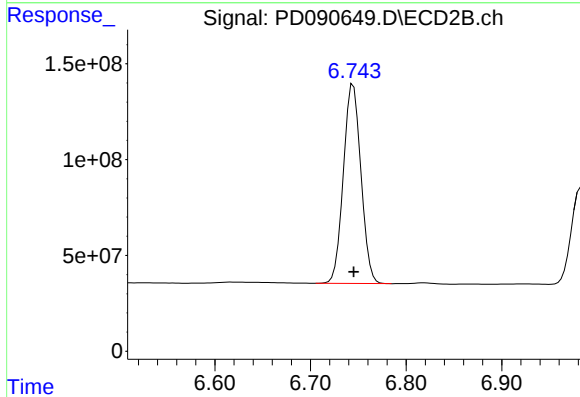
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 169715831
Conc: 79.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

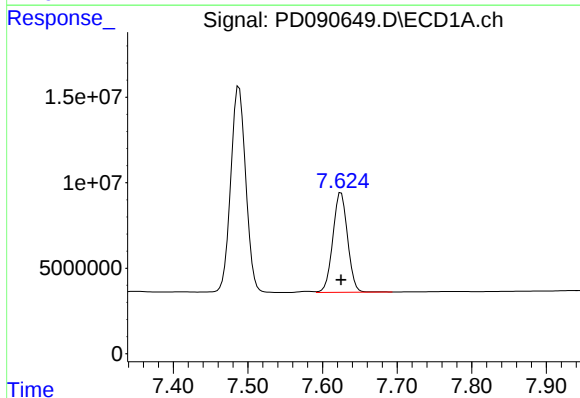
Manual Integrations
APPROVED

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



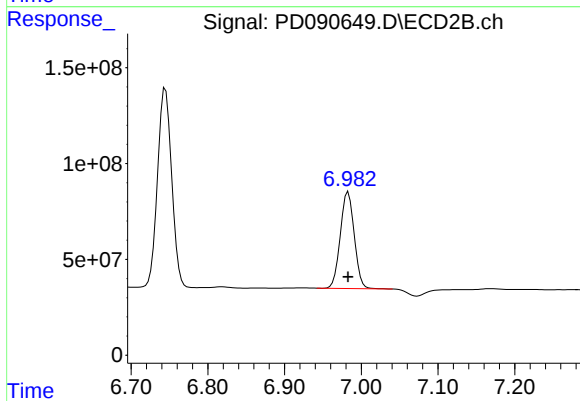
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1331648566
Conc: 76.41 ng/ml



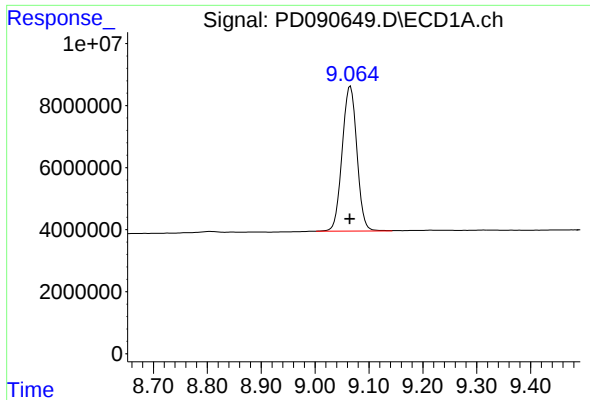
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 80182457
Conc: 16.50 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 638061752
Conc: 16.92 ng/ml



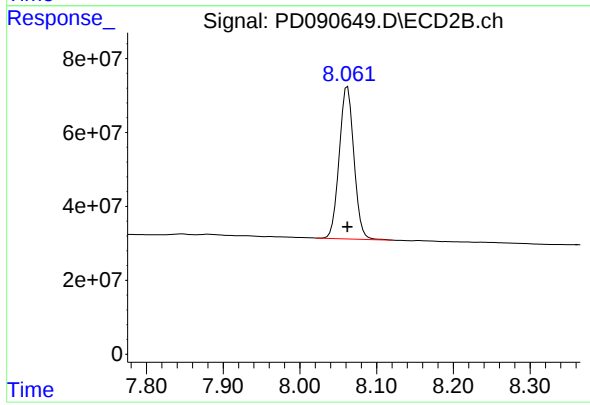
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 88858238
Conc: 19.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 547910430
Conc: 18.09 ng/ml

Analytical Sequence

Client: AECOM	SDG No.: Q3375
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
LBLK	LBLK	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICCC100	PSTDICCC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICCC075	PSTDICCC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICCC050	PSTDICCC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICCC025	PSTDICCC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICCC005	PSTDICCC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
LBLK	LBLK	10/20/2025	10:04	PD090690.D	9.07	3.55
PEM	PEM	10/20/2025	10:18	PD090691.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/20/2025	10:54	PD090692.D	9.08	3.55
PB170163BL	PB170163BL	10/20/2025	13:25	PD090693.D	9.08	3.55
PB170163BS	PB170163BS	10/20/2025	14:12	PD090694.D	9.07	3.55
LBLK	LBLK	10/20/2025	16:22	PD090703.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/20/2025	16:52	PD090704.D	9.07	3.55
TP-5-WCMS	Q3374-05MS	10/20/2025	17:47	PD090707.D	9.07	3.54
TP-5-WCMSD	Q3374-05MSD	10/20/2025	18:01	PD090708.D	9.07	3.54
LBLK	LBLK	10/20/2025	18:42	PD090711.D	9.07	3.54
PEM	PEM	10/20/2025	18:55	PD090712.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/20/2025	19:09	PD090713.D	9.07	3.54
PR132-S02-074099-20251016	Q3375-01	10/20/2025	19:50	PD090714.D	9.07	3.54
PR132-S04-000013-20251016	Q3375-02	10/20/2025	20:04	PD090715.D	9.07	3.54
PR132-S05-000057-20251016	Q3375-03	10/20/2025	20:17	PD090716.D	9.07	3.54
PR132-S02-010074-20251016	Q3375-04	10/20/2025	20:31	PD090717.D	9.07	3.54
PR132-DP02-20251016	Q3375-05	10/20/2025	20:44	PD090718.D	9.07	3.54
LBLK	LBLK	10/20/2025	20:58	PD090719.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/20/2025	21:12	PD090720.D	9.07	3.55

Analytical Sequence

Client: AECOM	SDG No.: Q3375
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
IBLK	IBLK	10/20/2025	10:04	PD090690.D	8.06	2.87
PEM	PEM	10/20/2025	10:18	PD090691.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/20/2025	10:54	PD090692.D	8.06	2.87
PB170163BL	PB170163BL	10/20/2025	13:25	PD090693.D	8.07	2.87
PB170163BS	PB170163BS	10/20/2025	14:12	PD090694.D	8.06	2.87
IBLK	IBLK	10/20/2025	16:22	PD090703.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/20/2025	16:52	PD090704.D	8.06	2.87
TP-5-WCMS	Q3374-05MS	10/20/2025	17:47	PD090707.D	8.06	2.88
TP-5-WCMSD	Q3374-05MSD	10/20/2025	18:01	PD090708.D	8.06	2.87
IBLK	IBLK	10/20/2025	18:42	PD090711.D	8.06	2.87
PEM	PEM	10/20/2025	18:55	PD090712.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/20/2025	19:09	PD090713.D	8.06	2.87
PR132-S02-074099-20251016	Q3375-01	10/20/2025	19:50	PD090714.D	8.06	2.87
PR132-S04-000013-20251016	Q3375-02	10/20/2025	20:04	PD090715.D	8.06	2.87
PR132-S05-000057-20251016	Q3375-03	10/20/2025	20:17	PD090716.D	8.06	2.87
PR132-S02-010074-20251016	Q3375-04	10/20/2025	20:31	PD090717.D	8.06	2.87
PR132-DP02-20251016	Q3375-05	10/20/2025	20:44	PD090718.D	8.06	2.87
IBLK	IBLK	10/20/2025	20:58	PD090719.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/20/2025	21:12	PD090720.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170163BS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: PB170163BS

Date(s) Analyzed: 10/20/2025

10/20/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	18.0	6.3
	2	5.92	5.87	5.97	16.9	
4,4'-DDE	1	6.20	6.15	6.25	18.1	6.9
	2	5.37	5.32	5.42	16.9	
4,4'-DDT	1	7.02	6.97	7.07	19.1	2.1
	2	6.18	6.13	6.23	18.7	
alpha-BHC	1	4.00	3.95	4.05	17.6	6.5
	2	3.39	3.34	3.44	16.5	
Aldrin	1	5.27	5.22	5.32	17.4	4.1
	2	4.36	4.31	4.41	16.7	
alpha-Chlordane	1	6.03	5.98	6.08	16.8	0.6
	2	5.18	5.13	5.23	16.9	
Endosulfan II	1	6.79	6.74	6.84	17.5	2.3
	2	6.07	6.02	6.12	17.1	
Endosulfan sulfate	1	7.15	7.10	7.20	17.2	0
	2	6.48	6.43	6.53	17.2	
beta-BHC	1	4.52	4.47	4.57	16.9	2.4
	2	4.02	3.97	4.07	16.5	
delta-BHC	1	4.77	4.72	4.82	17.4	4.1
	2	4.26	4.21	4.31	16.7	
Endosulfan I	1	6.07	6.02	6.12	17.4	5.3
	2	5.24	5.19	5.29	16.5	
Dieldrin	1	6.35	6.30	6.40	17.6	2.9
	2	5.50	5.45	5.55	17.1	
Endrin aldehyde	1	6.92	6.87	6.97	17.9	2.3
	2	6.25	6.20	6.30	17.5	
Methoxychlor	1	7.50	7.45	7.55	18.0	0
	2	6.75	6.70	6.80	18.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170163BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: PB170163BS

Date(s) Analyzed: 10/20/2025 10/20/2025

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	17.3	1.7
	2	6.98	6.93	7.03	17.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.4	4.1
	2	3.72	3.67	3.77	16.7	
Heptachlor	1	4.93	4.88	4.98	20.3	18.3
	2	4.08	4.03	4.13	16.9	
Heptachlor epoxide	1	5.69	5.64	5.74	17.6	5.8
	2	4.86	4.81	4.91	16.6	
gamma-Chlordane	1	5.95	5.90	6.00	17.5	3.5
	2	5.12	5.07	5.17	16.9	
Endrin	1	6.58	6.53	6.63	17.9	5.7
	2	5.78	5.73	5.83	16.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-DP02-20251016

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: Q3375-05

Date(s) Analyzed: 10/20/2025 10/20/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	3.50	12.1
	2	5.92	5.87	5.97	3.10	
gamma-Chlordane	1	5.94	5.89	5.99	0.77	8.8
	2	5.12	5.07	5.17	0.71	
alpha-Chlordane	1	6.02	5.97	6.07	0.57	42.1
	2	5.18	5.13	5.23	0.37	
4,4'-DDE	1	6.19	6.14	6.24	2.70	40
	2	5.37	5.32	5.42	1.80	
Dieldrin	1	6.34	6.29	6.39	0.39	95.5
	2	5.50	5.45	5.55	1.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S05-000057-20251016

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: Q3375-03

Date(s) Analyzed: 10/20/2025 10/20/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	0.88	36.8
	2	5.92	5.87	5.97	0.61	
gamma-Chlordane	1	5.94	5.89	5.99	0.34	8.3
	2	5.12	5.07	5.17	0.37	
4,4'-DDE	1	6.19	6.14	6.24	1.60	37
	2	5.37	5.32	5.42	1.10	
Dieldrin	1	6.34	6.29	6.39	0.31	85.7
	2	5.50	5.45	5.55	0.77	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-5-WCMS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: Q3374-05MS

Date(s) Analyzed: 10/20/2025 10/20/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	17.9	14.4
	2	5.92	5.87	5.97	15.5	
4,4'-DDT	1	7.02	6.97	7.07	17.8	5.2
	2	6.17	6.12	6.22	16.9	
alpha-BHC	1	3.99	3.94	4.04	17.7	5.8
	2	3.39	3.34	3.44	16.7	
Aldrin	1	5.27	5.22	5.32	17.4	3.5
	2	4.36	4.31	4.41	16.8	
beta-BHC	1	4.51	4.46	4.56	17.3	2.9
	2	4.02	3.97	4.07	16.8	
alpha-Chlordane	1	6.02	5.97	6.07	16.5	1.8
	2	5.18	5.13	5.23	16.8	
4,4'-DDE	1	6.19	6.14	6.24	17.2	2.9
	2	5.37	5.32	5.42	16.7	
Endosulfan II	1	6.78	6.73	6.83	13.4	20.7
	2	6.07	6.02	6.12	16.5	
Endrin aldehyde	1	6.91	6.86	6.96	16.5	1.8
	2	6.25	6.20	6.30	16.2	
Endosulfan sulfate	1	7.15	7.10	7.20	16.4	1.8
	2	6.47	6.42	6.52	16.1	
Methoxychlor	1	7.49	7.44	7.54	16.9	3
	2	6.75	6.70	6.80	16.4	
Endrin ketone	1	7.63	7.58	7.68	16.7	3
	2	6.98	6.93	7.03	16.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.5	5.3
	2	3.72	3.67	3.77	16.6	
Heptachlor	1	4.92	4.87	4.97	17.8	7
	2	4.08	4.03	4.13	16.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-5-WCMS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: Q3374-05MS

Date(s) Analyzed: 10/20/2025 10/20/2025

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		
delta-BHC	1	4.76	4.71	4.81	17.6	5.8
	2	4.26	4.21	4.31	16.6	
Heptachlor epoxide	1	5.69	5.64	5.74	17.3	6
	2	4.86	4.81	4.91	16.3	
Endosulfan I	1	6.07	6.02	6.12	17.1	2.4
	2	5.24	5.19	5.29	16.7	
gamma-Chlordane	1	5.94	5.89	5.99	16.7	0
	2	5.12	5.07	5.17	16.7	
Dieldrin	1	6.34	6.29	6.39	17.2	2.9
	2	5.50	5.45	5.55	16.7	
Endrin	1	6.57	6.52	6.62	17.3	1.2
	2	5.78	5.73	5.83	17.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-5-WCMSD

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: Q3374-05MSD

Date(s) Analyzed: 10/20/2025 10/20/2025

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	13.7	19.7
	2	6.07	6.02	6.12	16.7	
4,4'-DDD	1	6.70	6.65	6.75	18.3	15.9
	2	5.92	5.87	5.97	15.6	
4,4'-DDT	1	7.02	6.97	7.07	17.9	3.4
	2	6.17	6.12	6.22	17.3	
Endrin aldehyde	1	6.91	6.86	6.96	17.0	1.8
	2	6.25	6.20	6.30	16.7	
Endosulfan sulfate	1	7.15	7.10	7.20	16.6	1.2
	2	6.47	6.42	6.52	16.4	
alpha-BHC	1	3.99	3.94	4.04	18.1	6.9
	2	3.39	3.34	3.44	16.9	
Aldrin	1	5.27	5.22	5.32	17.7	4
	2	4.36	4.31	4.41	17.0	
beta-BHC	1	4.51	4.46	4.56	17.5	2.3
	2	4.02	3.97	4.07	17.1	
delta-BHC	1	4.76	4.71	4.81	17.9	5.7
	2	4.25	4.20	4.30	16.9	
Endosulfan I	1	6.07	6.02	6.12	17.4	2.9
	2	5.24	5.19	5.29	16.9	
alpha-Chlordane	1	6.02	5.97	6.07	16.7	1.8
	2	5.18	5.13	5.23	17.0	
4,4'-DDE	1	6.19	6.14	6.24	17.5	4.1
	2	5.37	5.32	5.42	16.8	
Dieldrin	1	6.34	6.29	6.39	17.5	3.5
	2	5.50	5.45	5.55	16.9	
Endrin	1	6.57	6.52	6.62	17.6	3.5
	2	5.78	5.73	5.83	17.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-5-WCMSD

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab Sample ID: Q3374-05MSD

Date(s) Analyzed: 10/20/2025 10/20/2025

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	17.2	2.9
	2	6.75	6.70	6.80	16.7	
Endrin ketone	1	7.63	7.58	7.68	17.0	3
	2	6.98	6.93	7.03	16.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.8	5.2
	2	3.72	3.67	3.77	16.9	
Heptachlor	1	4.92	4.87	4.97	18.0	6.9
	2	4.07	4.02	4.12	16.8	
Heptachlor epoxide	1	5.69	5.64	5.74	17.5	5.3
	2	4.86	4.81	4.91	16.6	
gamma-Chlordane	1	5.94	5.89	5.99	16.9	0
	2	5.12	5.07	5.17	16.9	



QC SAMPLE DATA



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

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170163BL		SDG No.:	Q3375
Lab Sample ID:	PB170163BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.70	U	1	0.13	1.70	ug/kg	10/20/25 13:25	PB170163
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/20/25 13:25	PB170163
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/20/25 13:25	PB170163
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/20/25 13:25	PB170163
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/20/25 13:25	PB170163
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/20/25 13:25	PB170163
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/20/25 13:25	PB170163
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/20/25 13:25	PB170163
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/20/25 13:25	PB170163
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/20/25 13:25	PB170163
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/20/25 13:25	PB170163
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/20/25 13:25	PB170163
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/20/25 13:25	PB170163
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/20/25 13:25	PB170163
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/20/25 13:25	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.8			20 - 144	104%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.6			19 - 148	103%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 13:25
Operator : AR\AJ
Sample : PB170163BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170163BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:49:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.873	62330637	614.6E6	20.015	20.639
28)	SA Decachlor...	9.079	8.065	97085291	603.0E6	20.754	19.906

Target Compounds

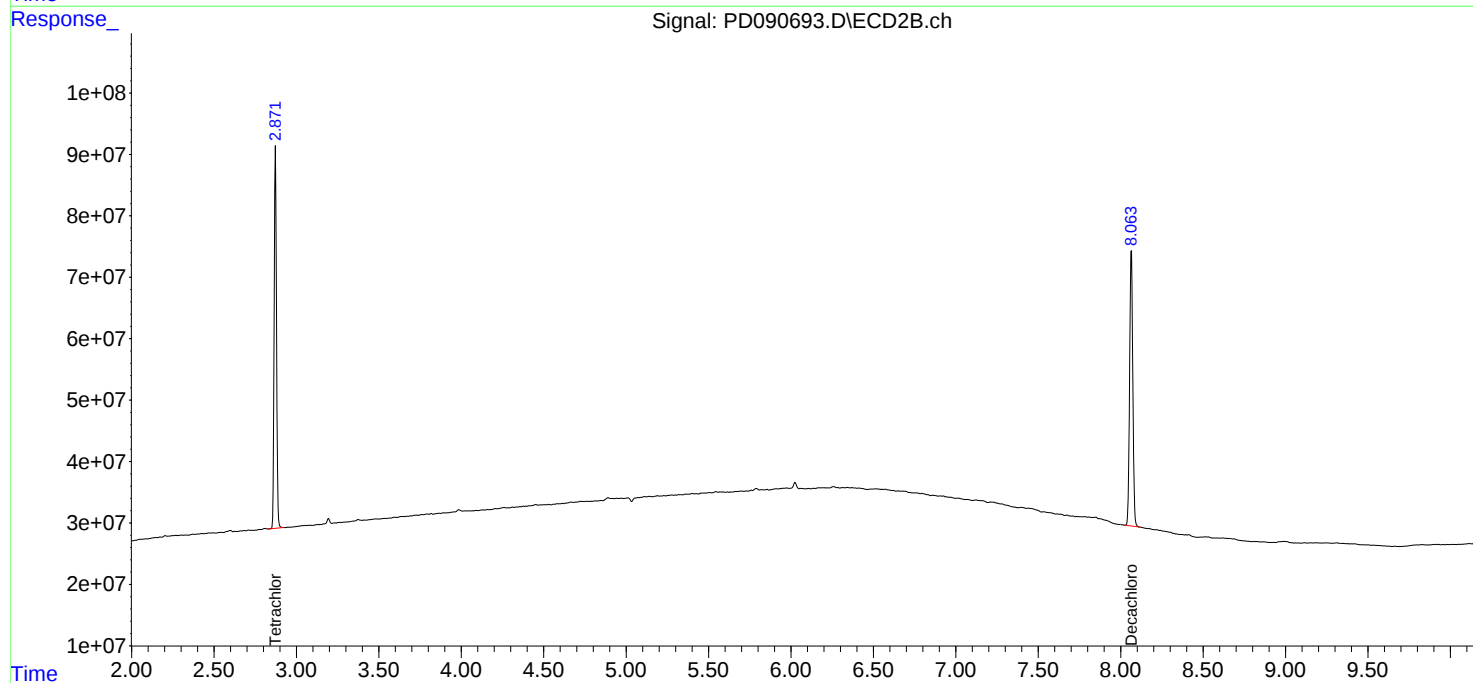
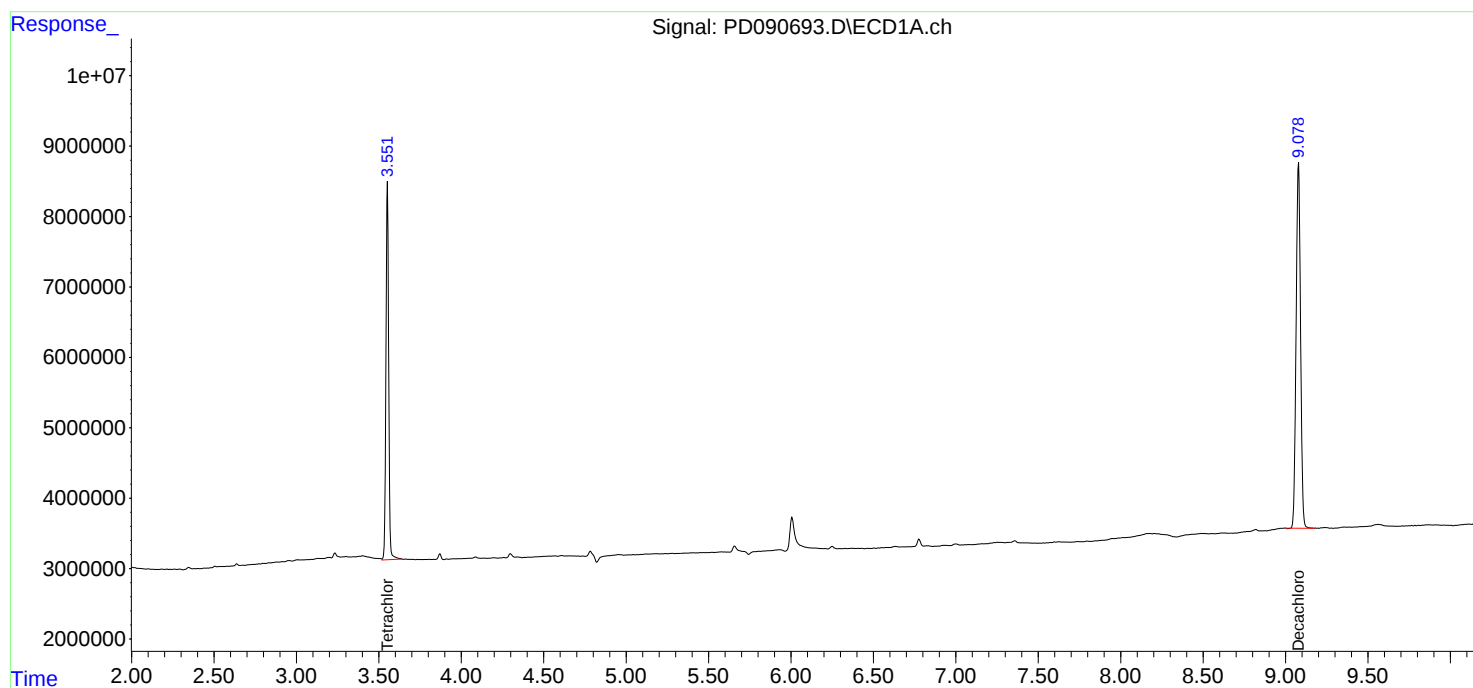
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

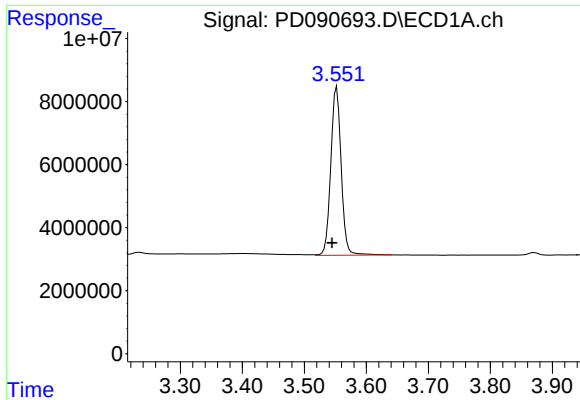
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 13:25
Operator : AR\AJ
Sample : PB170163BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170163BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:49:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

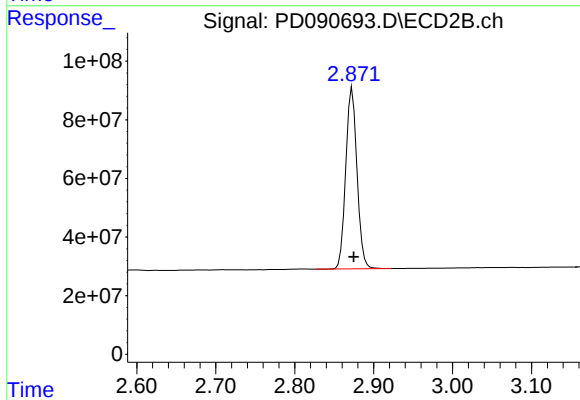




#1 Tetrachloro-m-xylene

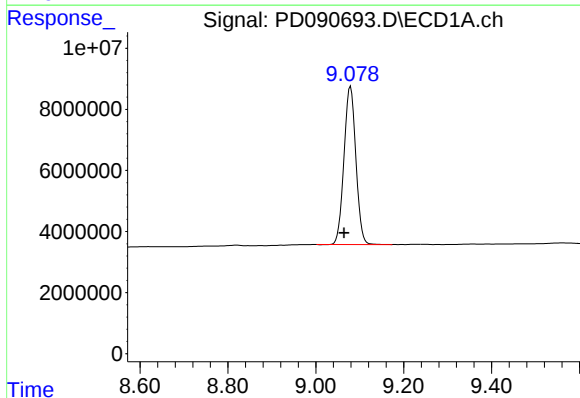
R.T.: 3.552 min
Delta R.T.: 0.007 min
Response: 62330637
Conc: 20.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BL



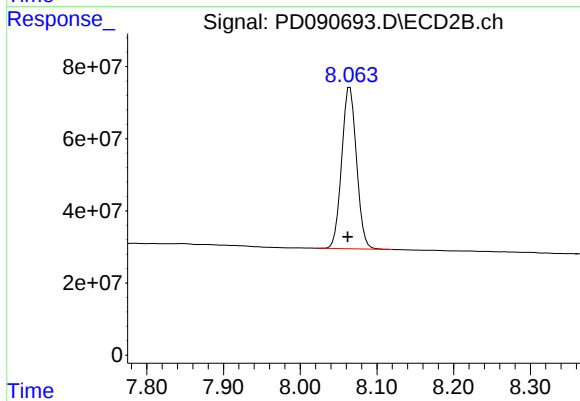
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 614556089
Conc: 20.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.015 min
Response: 97085291
Conc: 20.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.003 min
Response: 602993387
Conc: 19.91 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D		SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090647.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			57 - 171	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			61 - 148	100%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:03:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	60526543	594.5E6	19.436	19.964
28)	SA Decachlor...	9.066	8.062	99514776	616.2E6	21.273	20.342

Target Compounds

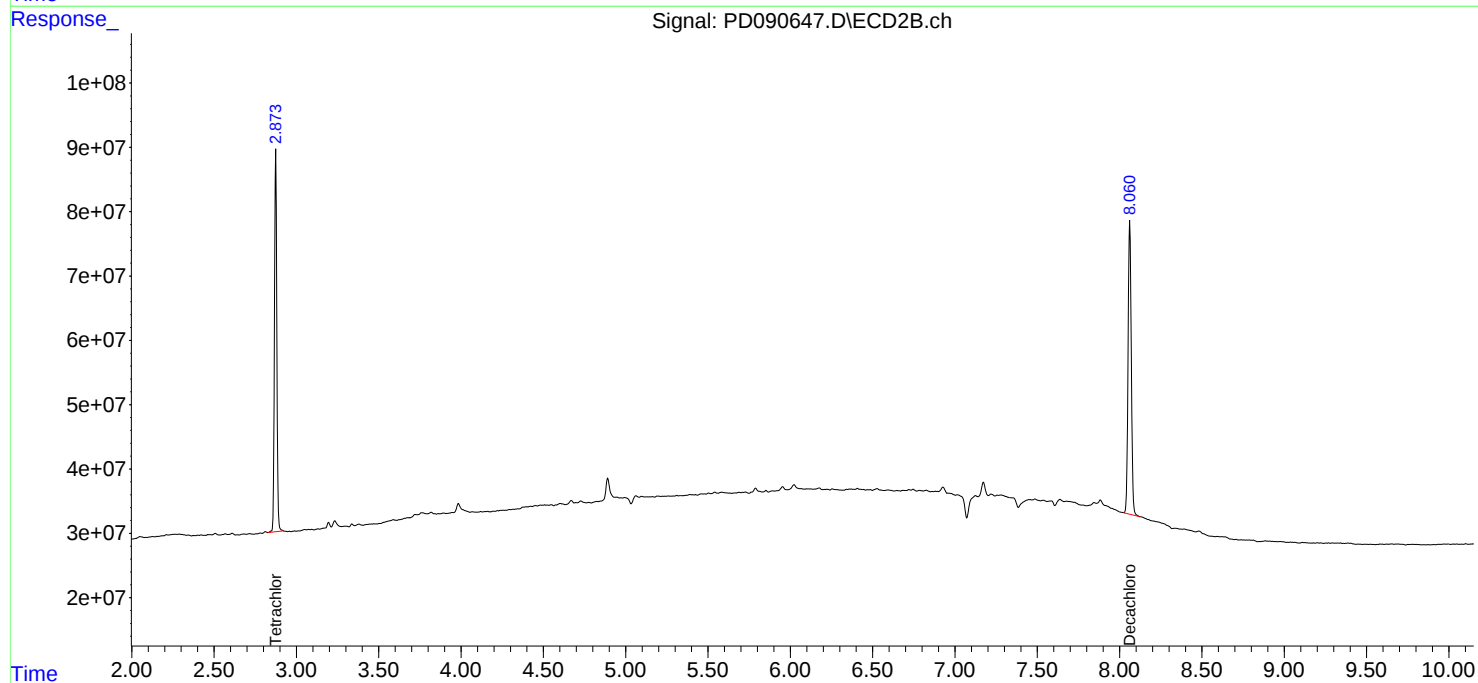
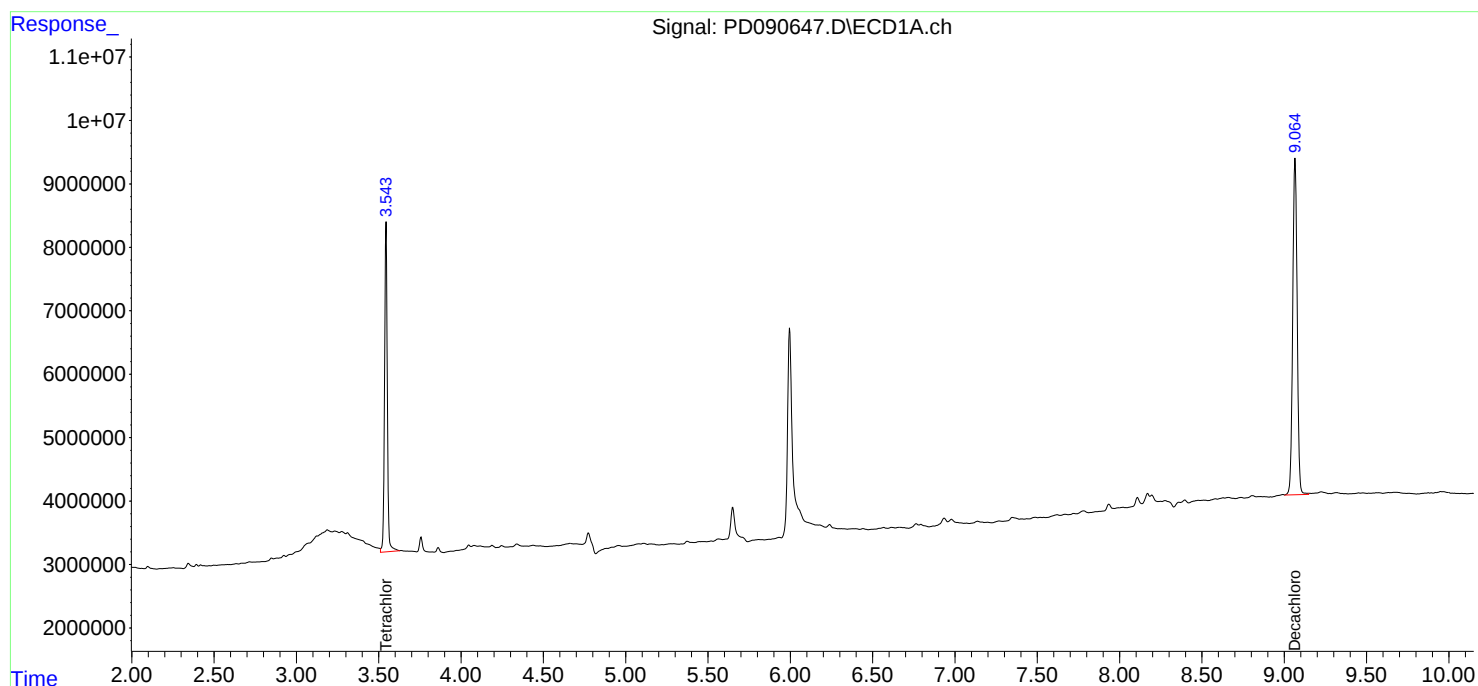
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

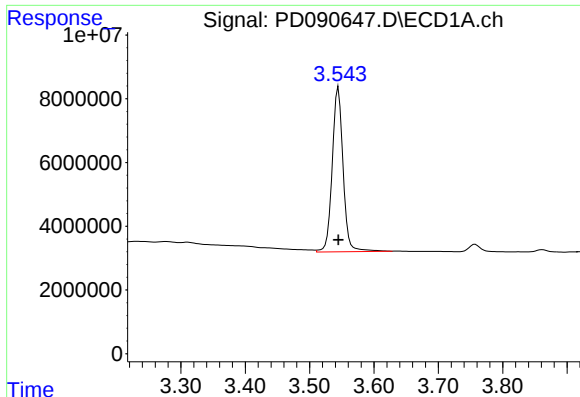
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:03:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

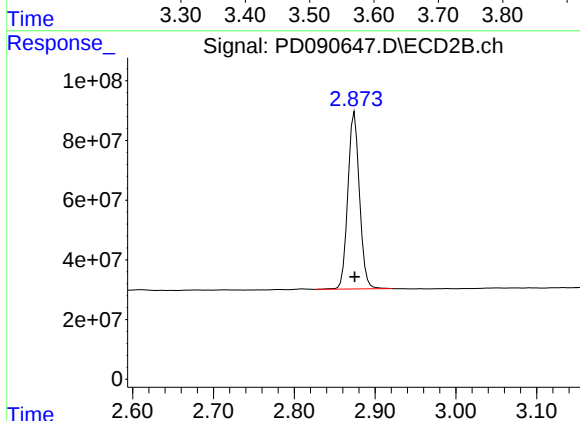




#1 Tetrachloro-m-xylene

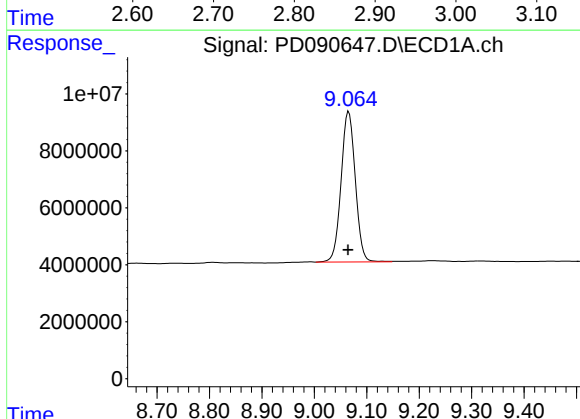
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 60526543
Conc: 19.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



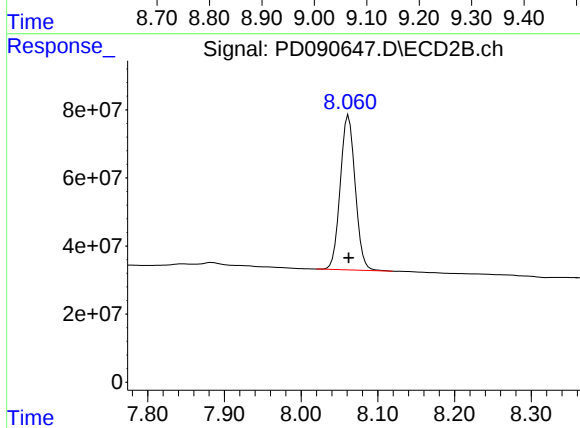
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 594475365
Conc: 19.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 99514776
Conc: 21.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 616188932
Conc: 20.34 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	PIBLK-PD090690.D		SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090690.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/20/25	pd102025
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/20/25	pd102025
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/20/25	pd102025
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/20/25	pd102025
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/20/25	pd102025
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/20/25	pd102025
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/20/25	pd102025
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/20/25	pd102025
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/20/25	pd102025
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.4			57 - 171	112%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	23.5			61 - 148	118%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 10:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:48:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.873	72707493	700.6E6	23.347	23.529
28)	SA Decachlor...	9.068	8.061	104.8E6	662.7E6	22.412	21.878

Target Compounds

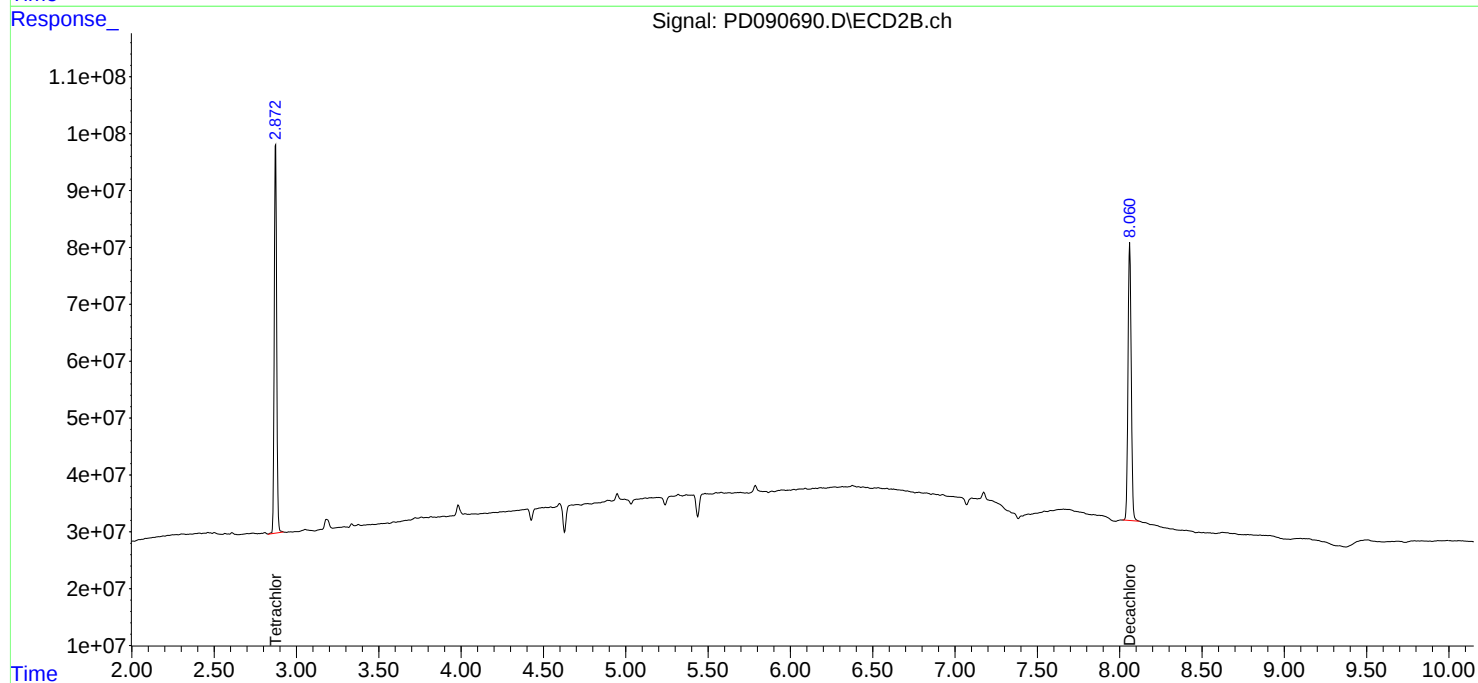
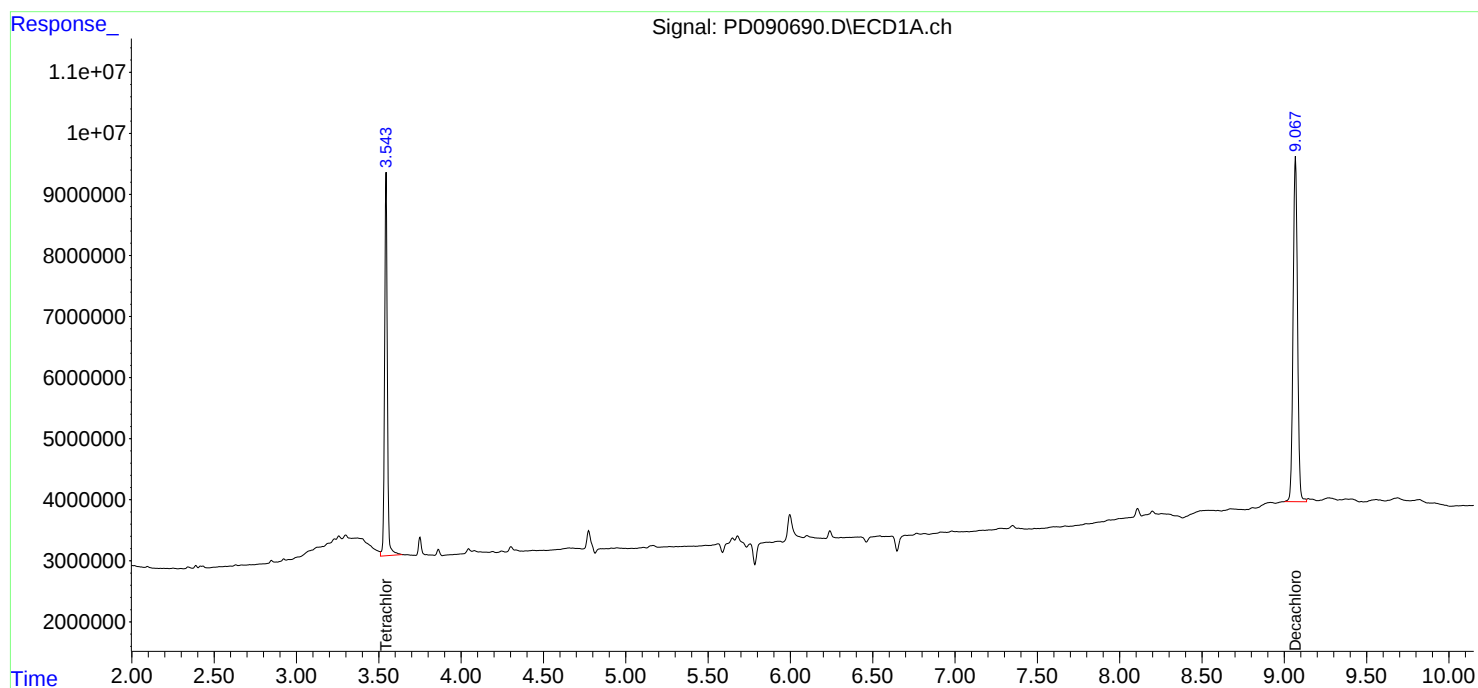
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 10:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

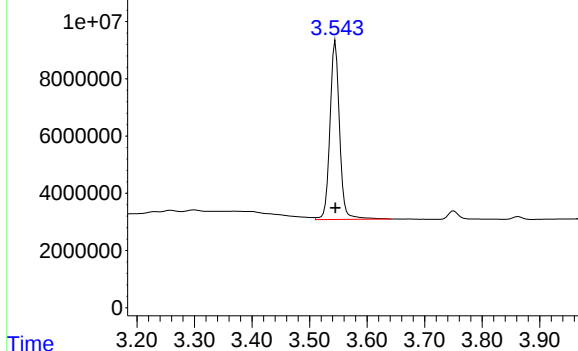
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:48:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD090690.D\ECD1A.ch

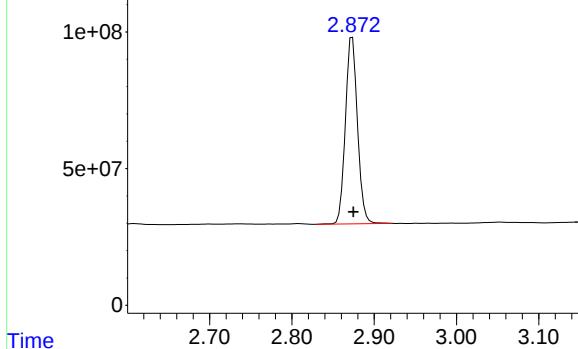


#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 72707493
Conc: 23.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

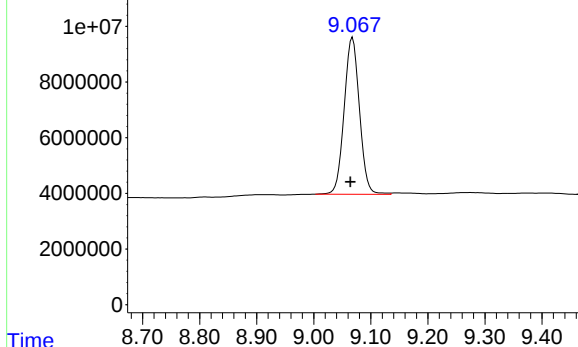
Response_ Signal: PD090690.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 700632775
Conc: 23.53 ng/ml

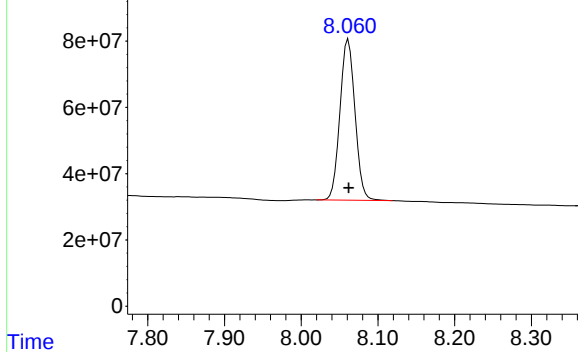
Response_ Signal: PD090690.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.004 min
Response: 104842298
Conc: 22.41 ng/ml

Response_ Signal: PD090690.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 662706723
Conc: 21.88 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	PIBLK-PD090703.D		SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090703.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/20/25	pd102025
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/20/25	pd102025
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/20/25	pd102025
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/20/25	pd102025
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/20/25	pd102025
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/20/25	pd102025
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/20/25	pd102025
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/20/25	pd102025
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/20/25	pd102025
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.8			57 - 171	109%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.8			61 - 148	114%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 16:22
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:51:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	70921540	675.7E6	22.774	22.691
28)	SA Decachlor...	9.067	8.061	101.9E6	569.4E6	21.776	18.797

Target Compounds

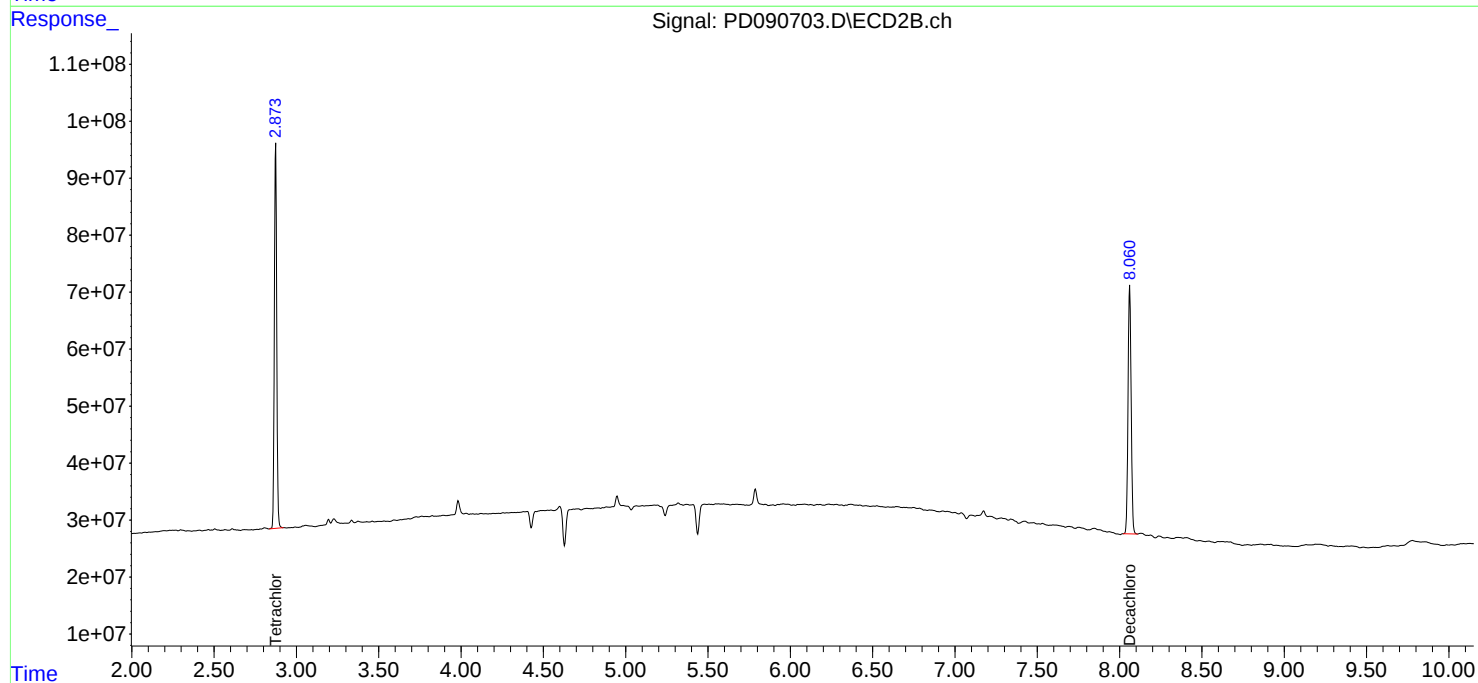
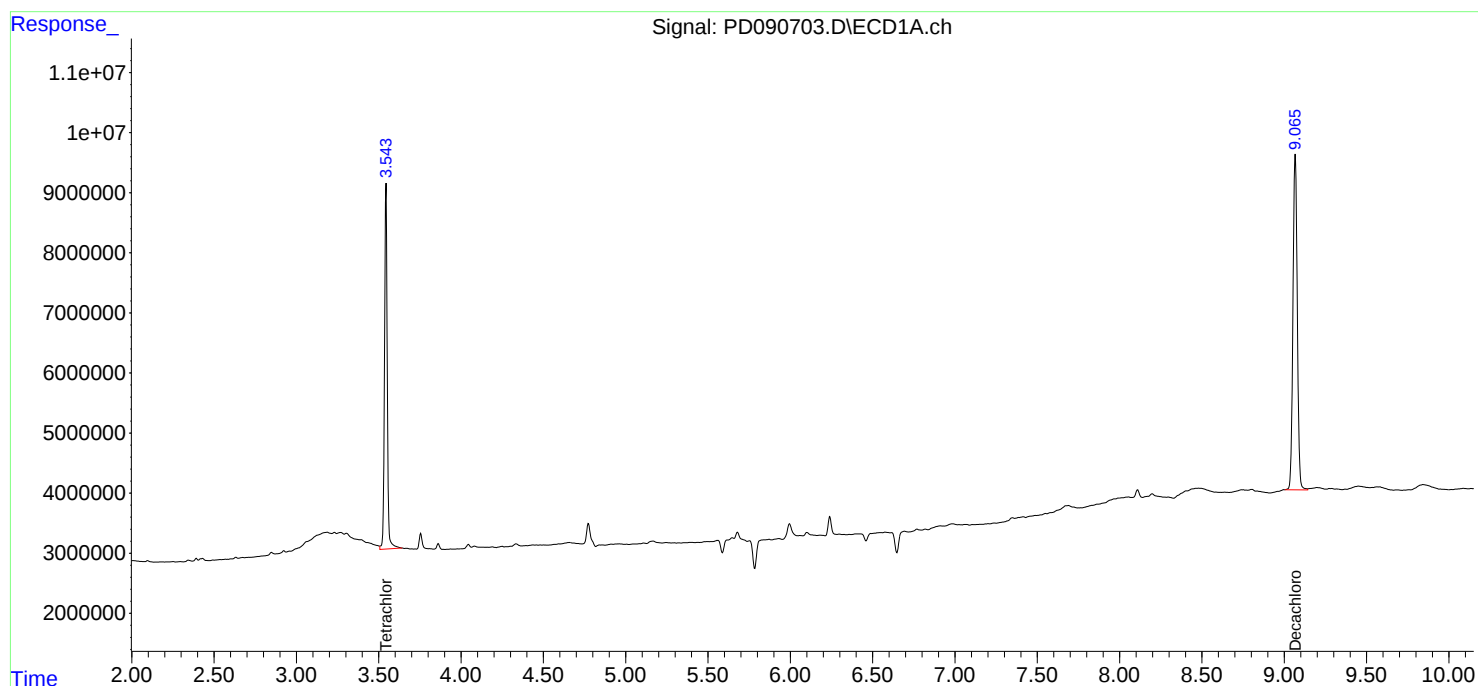
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

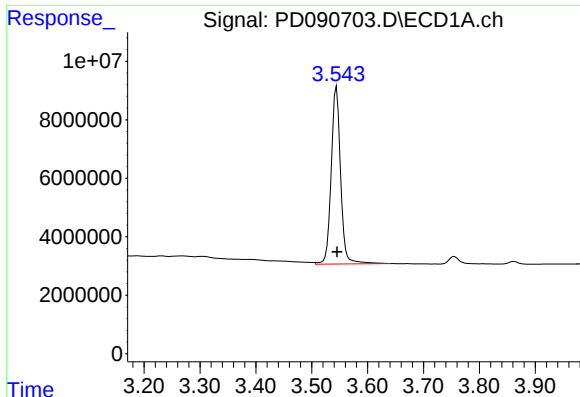
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 16:22
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:51:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

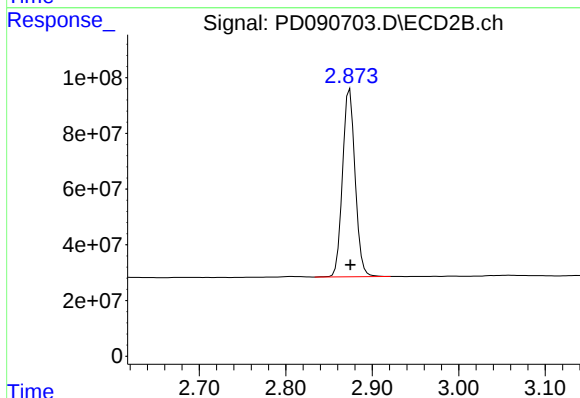




#1 Tetrachloro-m-xylene

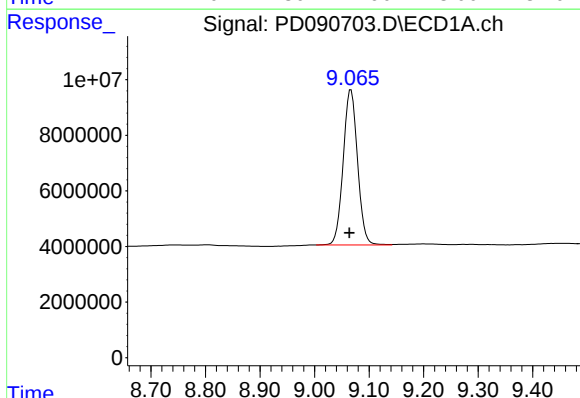
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 70921540
Conc: 22.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



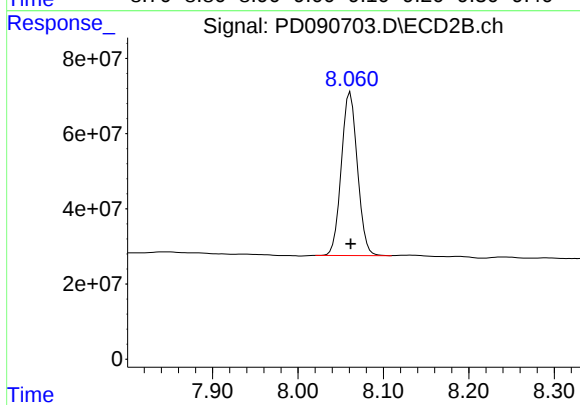
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 675670004
Conc: 22.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 101865777
Conc: 21.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 569393488
Conc: 18.80 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	PIBLK-PD090711.D		SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090711.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/20/25	pd102025
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/20/25	pd102025
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/20/25	pd102025
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/20/25	pd102025
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/20/25	pd102025
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/20/25	pd102025
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/20/25	pd102025
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/20/25	pd102025
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/20/25	pd102025
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.1			57 - 171	100%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.5			61 - 148	102%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090711.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 18:42
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:54:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.874	63794381	608.1E6	20.485	20.421
28) SA Decachlor...	9.067	8.062	93776230	571.5E6	20.046	18.865

Target Compounds

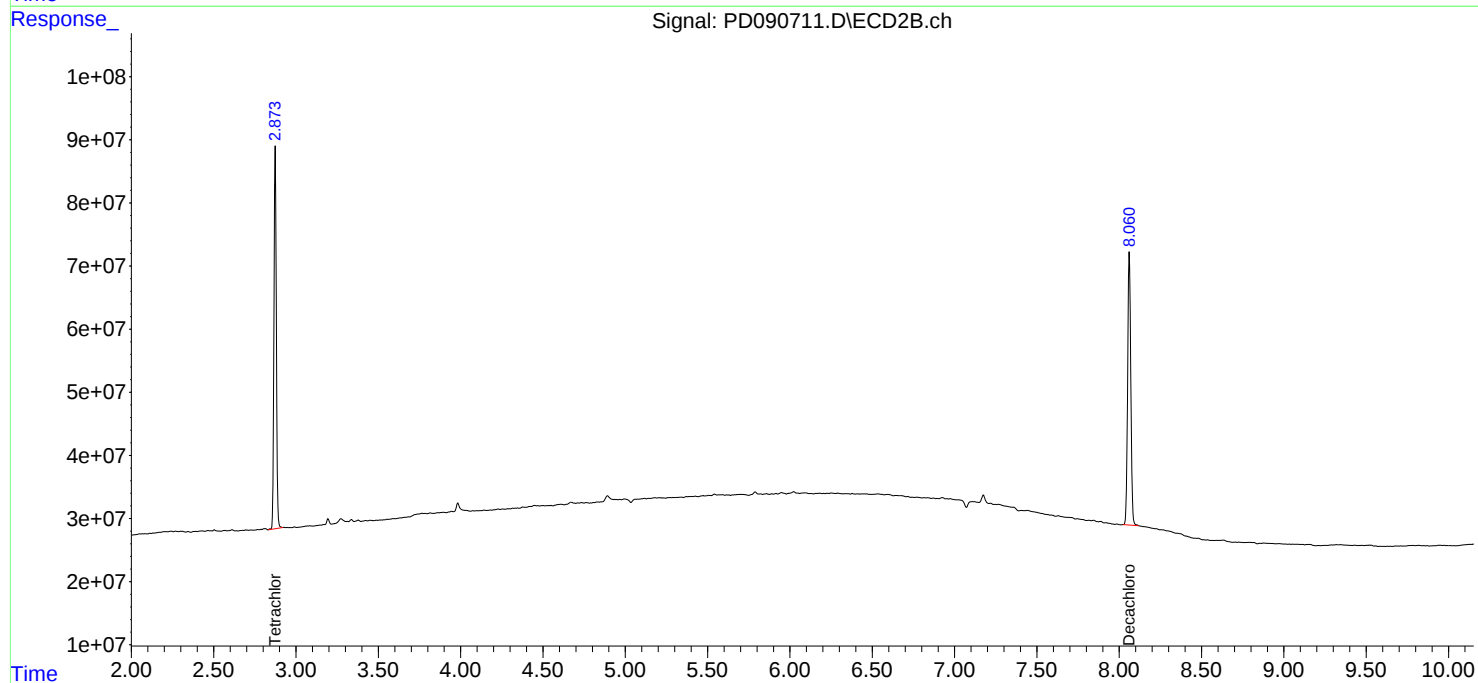
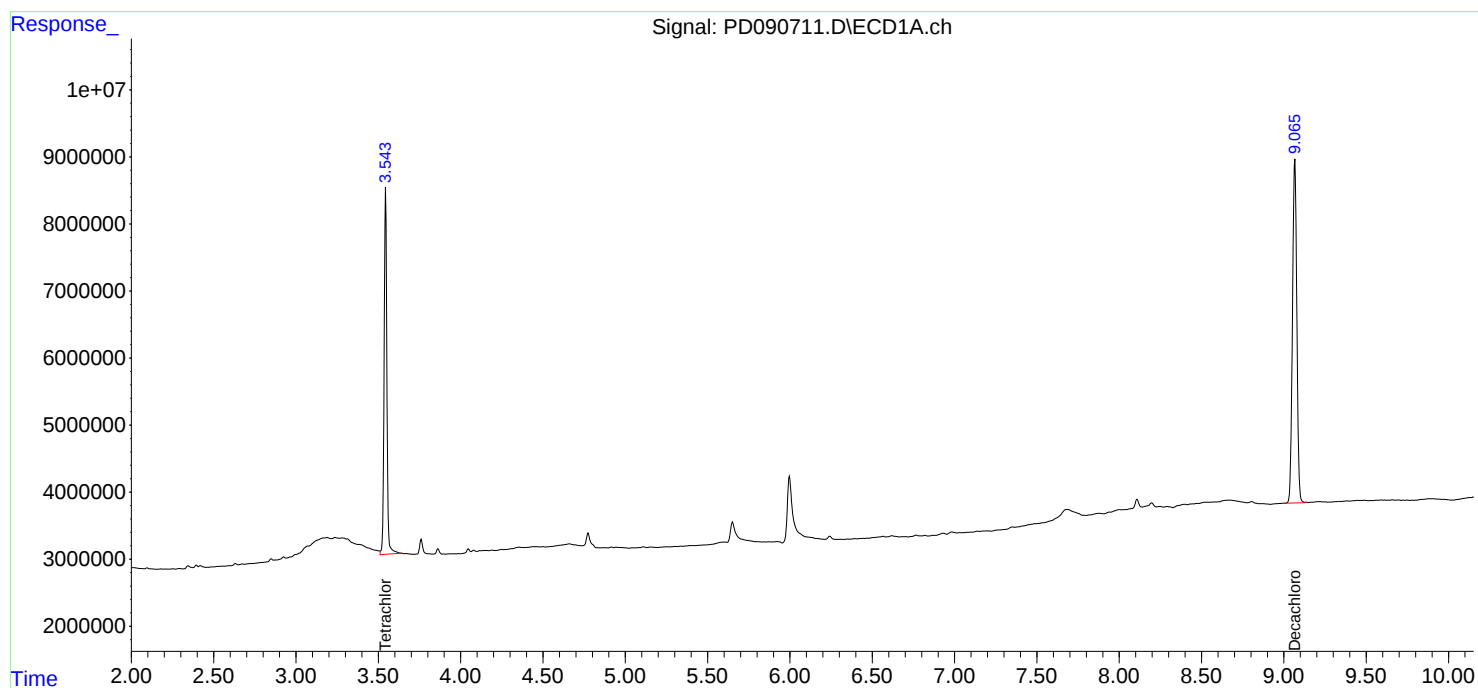
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

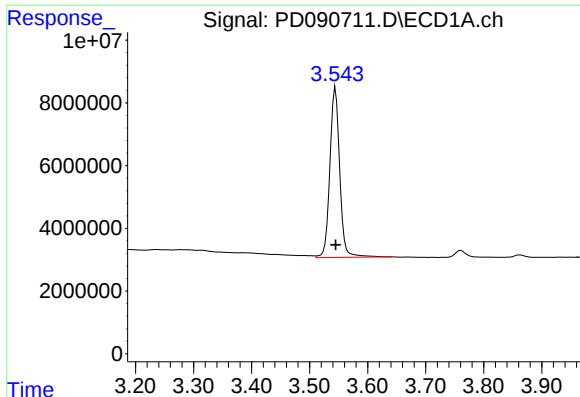
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090711.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 18:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:54:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

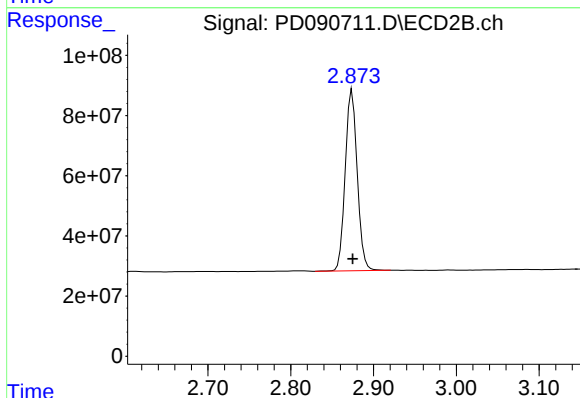




#1 Tetrachloro-m-xylene

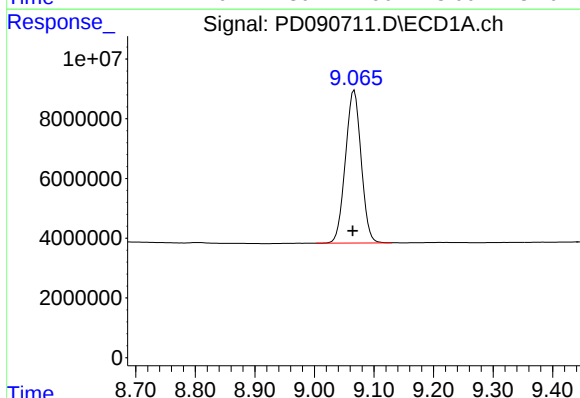
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 63794381
Conc: 20.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



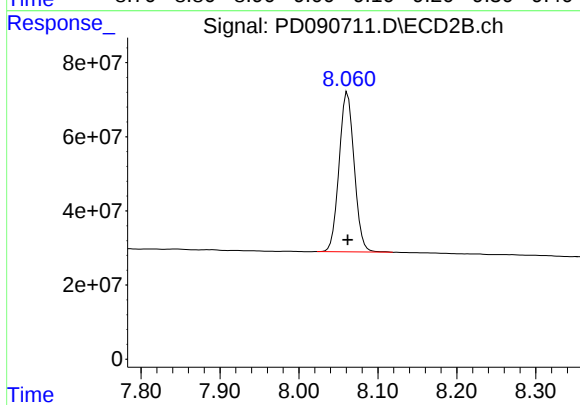
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 608071711
Conc: 20.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 93776230
Conc: 20.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 571451784
Conc: 18.87 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	PIBLK-PD090719.D		SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090719.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/20/25	pd102025
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/20/25	pd102025
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/20/25	pd102025
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/20/25	pd102025
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/20/25	pd102025
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/20/25	pd102025
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/20/25	pd102025
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/20/25	pd102025
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/20/25	pd102025
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.3			57 - 171	102%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	105%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 20:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:57:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	65673904	614.6E6	21.089	20.639
28)	SA Decachlor...	9.066	8.061	95142703	589.8E6	20.338	19.472

Target Compounds

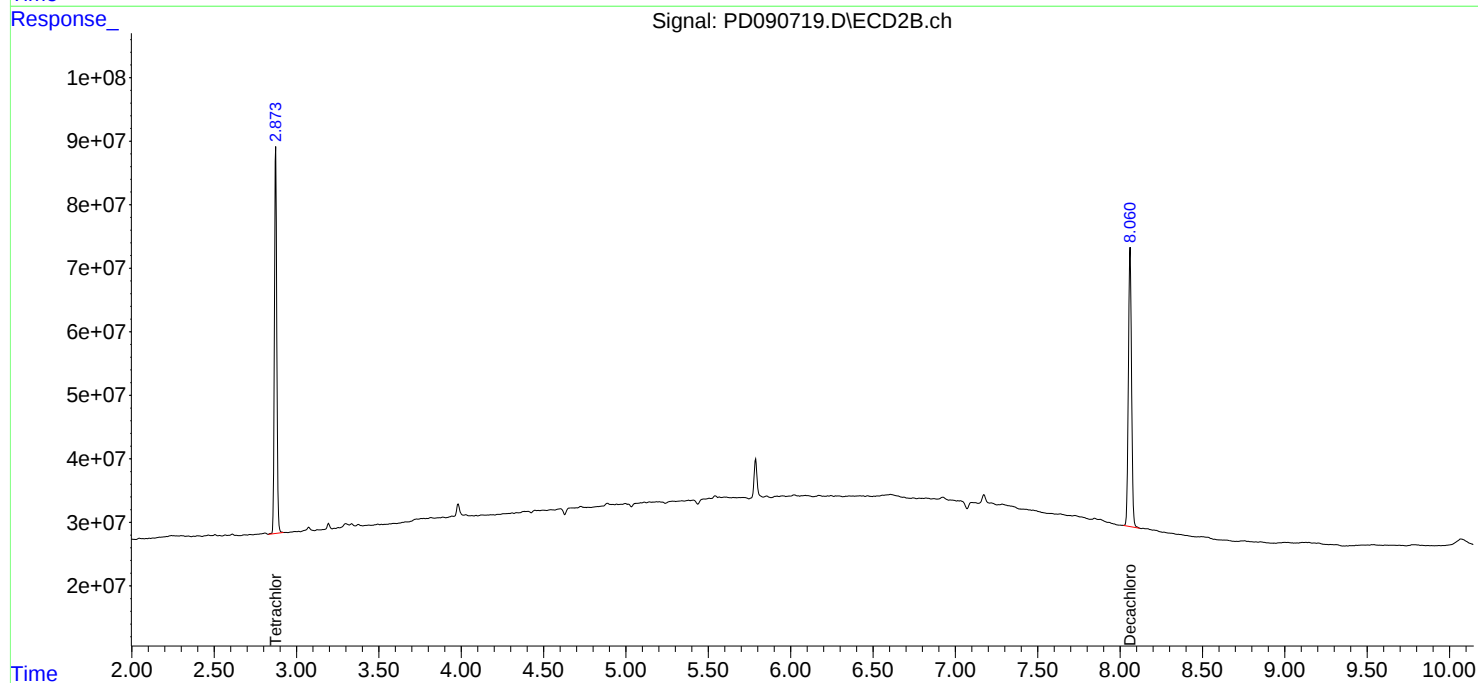
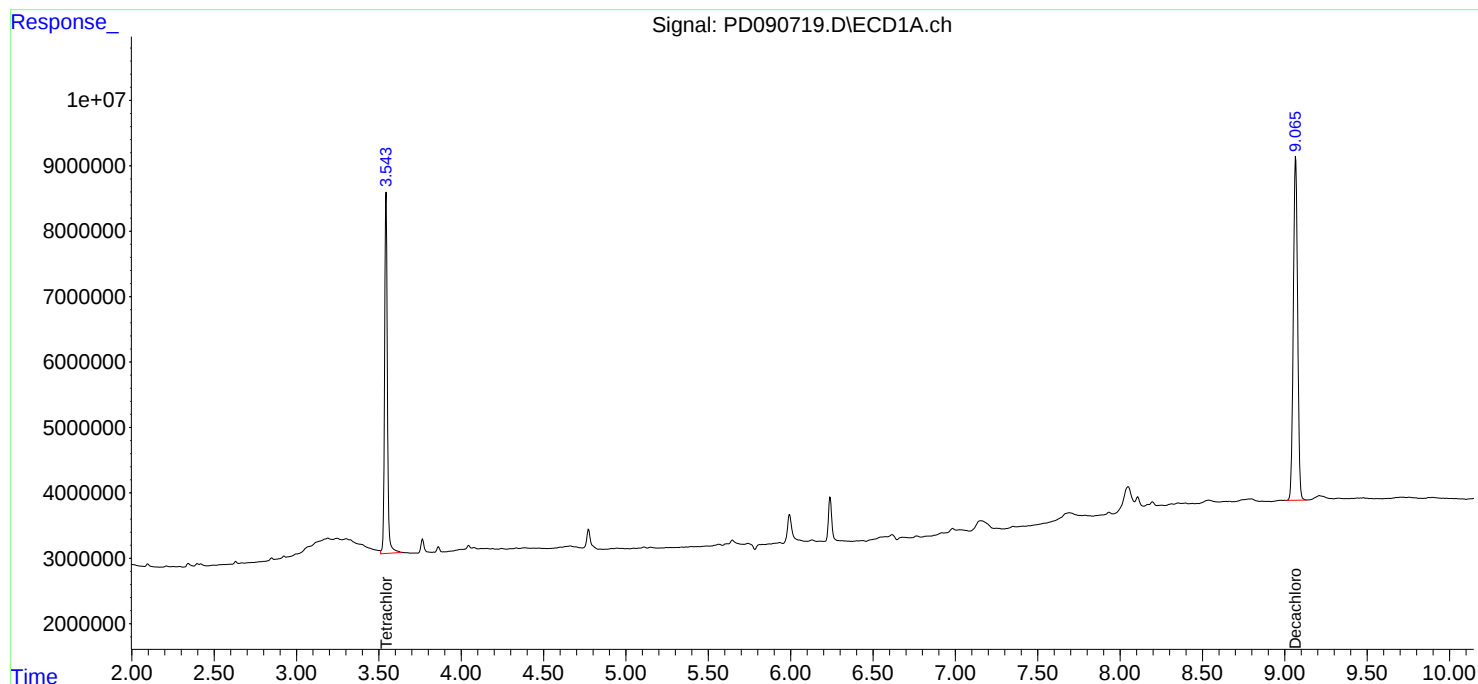
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

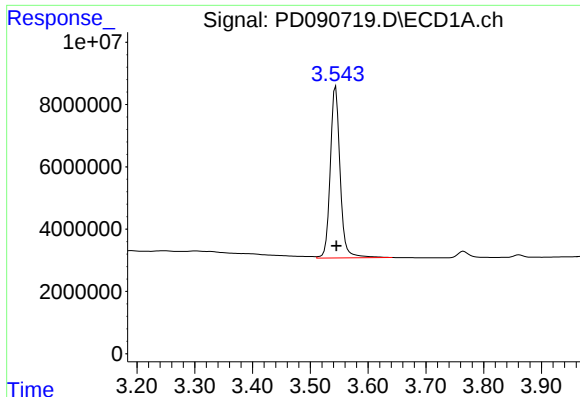
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 20:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:57:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

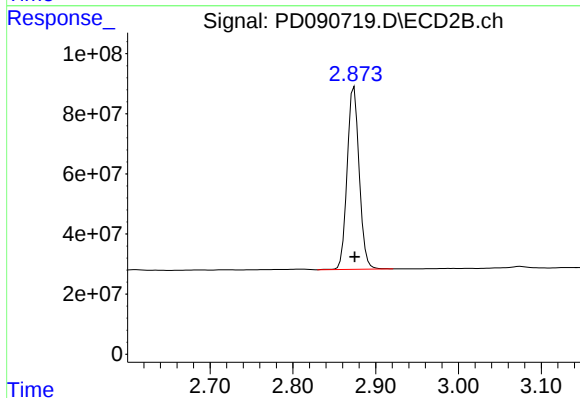




#1 Tetrachloro-m-xylene

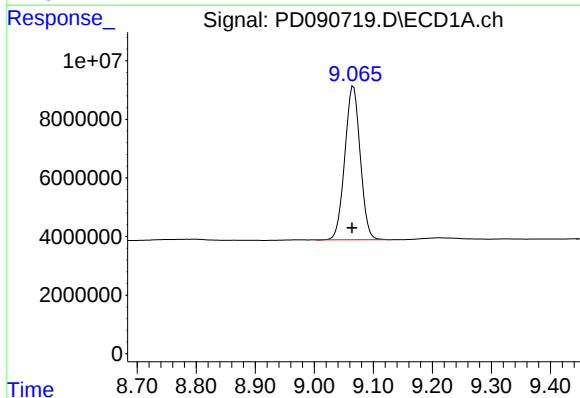
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 65673904
Conc: 21.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



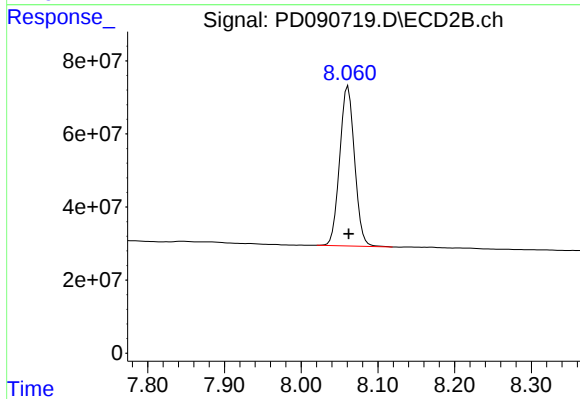
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 614573836
Conc: 20.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 95142703
Conc: 20.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 589835821
Conc: 19.47 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170163BS		SDG No.:	Q3375
Lab Sample ID:	PB170163BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	17.6		1	0.13	1.70	ug/kg	10/20/25 14:12	PB170163
319-85-7	beta-BHC	16.9		1	0.18	1.70	ug/kg	10/20/25 14:12	PB170163
319-86-8	delta-BHC	17.4		1	0.39	1.70	ug/kg	10/20/25 14:12	PB170163
58-89-9	gamma-BHC (Lindane)	17.4		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
76-44-8	Heptachlor	20.3		1	0.12	1.70	ug/kg	10/20/25 14:12	PB170163
309-00-2	Aldrin	17.4		1	0.12	1.70	ug/kg	10/20/25 14:12	PB170163
1024-57-3	Heptachlor epoxide	17.6		1	0.19	1.70	ug/kg	10/20/25 14:12	PB170163
959-98-8	Endosulfan I	17.4		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
60-57-1	Dieldrin	17.6		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
72-55-9	4,4-DDE	18.1		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
72-20-8	Endrin	17.9		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
33213-65-9	Endosulfan II	17.5		1	0.29	1.70	ug/kg	10/20/25 14:12	PB170163
72-54-8	4,4-DDD	18.0		1	0.15	1.70	ug/kg	10/20/25 14:12	PB170163
1031-07-8	Endosulfan Sulfate	17.2		1	0.13	1.70	ug/kg	10/20/25 14:12	PB170163
50-29-3	4,4-DDT	19.1		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
72-43-5	Methoxychlor	18.0		1	0.37	1.70	ug/kg	10/20/25 14:12	PB170163
53494-70-5	Endrin ketone	17.3		1	0.19	1.70	ug/kg	10/20/25 14:12	PB170163
7421-93-4	Endrin aldehyde	17.9		1	0.37	1.70	ug/kg	10/20/25 14:12	PB170163
5103-71-9	alpha-Chlordane	16.9		1	0.12	1.70	ug/kg	10/20/25 14:12	PB170163
5103-74-2	gamma-Chlordane	17.5		1	0.15	1.70	ug/kg	10/20/25 14:12	PB170163
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/20/25 14:12	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.7			20 - 144	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.8			19 - 148	84%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090694.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 14:12
 Operator : AR\AJ
 Sample : PB170163BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170163BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:49:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.873	51420966	500.1E6	16.512	16.796
28)	SA Decachlor...	9.073	8.064	96646381	609.7E6	20.660	20.128
Target Compounds							
2)	A alpha-BHC	3.999	3.386	378.9E6	2525.7E6	52.792	49.431
3)	MA gamma-BHC...	4.330	3.722	355.9E6	2361.9E6	52.351	49.988
4)	MA Heptachlor	4.927	4.075	341.1E6	2255.6E6	61.021m	50.570
5)	MB Aldrin	5.270	4.360	342.5E6	2326.7E6	52.312	50.232
6)	B beta-BHC	4.518	4.019	133.1E6	984.8E6	50.800	49.662
7)	B delta-BHC	4.766	4.255	353.1E6	2395.8E6	52.219	50.208
8)	B Heptachlo...	5.689	4.864	306.3E6	2129.5E6	52.919m	49.941
9)	A Endosulfan I	6.074	5.239	288.3E6	1950.6E6	52.073	49.520
10)	B gamma-Chl...	5.946	5.117	310.6E6	2282.0E6	52.373	50.770
11)	B alpha-Chl...	6.026	5.182	310.7E6	2181.3E6	50.269	50.566
12)	B 4,4'-DDE	6.196	5.367	288.9E6	2226.8E6	54.242	50.795
13)	MA Dieldrin	6.347	5.504	307.6E6	2262.7E6	52.744	51.211
14)	MA Endrin	6.575	5.782	266.3E6	2056.6E6	53.767	50.789
15)	B Endosulfa...	6.787	6.073	263.2E6	1931.1E6	52.648	51.421
16)	A 4,4'-DDD	6.706	5.922	218.8E6	1846.8E6	53.980	50.684
17)	MA 4,4'-DDT	7.022	6.175	235.0E6	1972.9E6	57.167	56.252
18)	B Endrin al...	6.916	6.252	196.6E6	1452.8E6	53.689	52.462
19)	B Endosulfa...	7.151	6.475	238.7E6	1847.3E6	51.475	51.537
20)	A Methoxychlor	7.495	6.746	114.6E6	939.2E6	53.913	53.892
21)	B Endrin ke...	7.631	6.984	251.8E6	1924.2E6	51.832	51.015
22)	Mirex	8.114	7.177	165.8E6	1347.8E6	51.812	52.464

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090694.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 14:12
Operator : AR\AJ
Sample : PB170163BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB170163BS

Manual Integrations

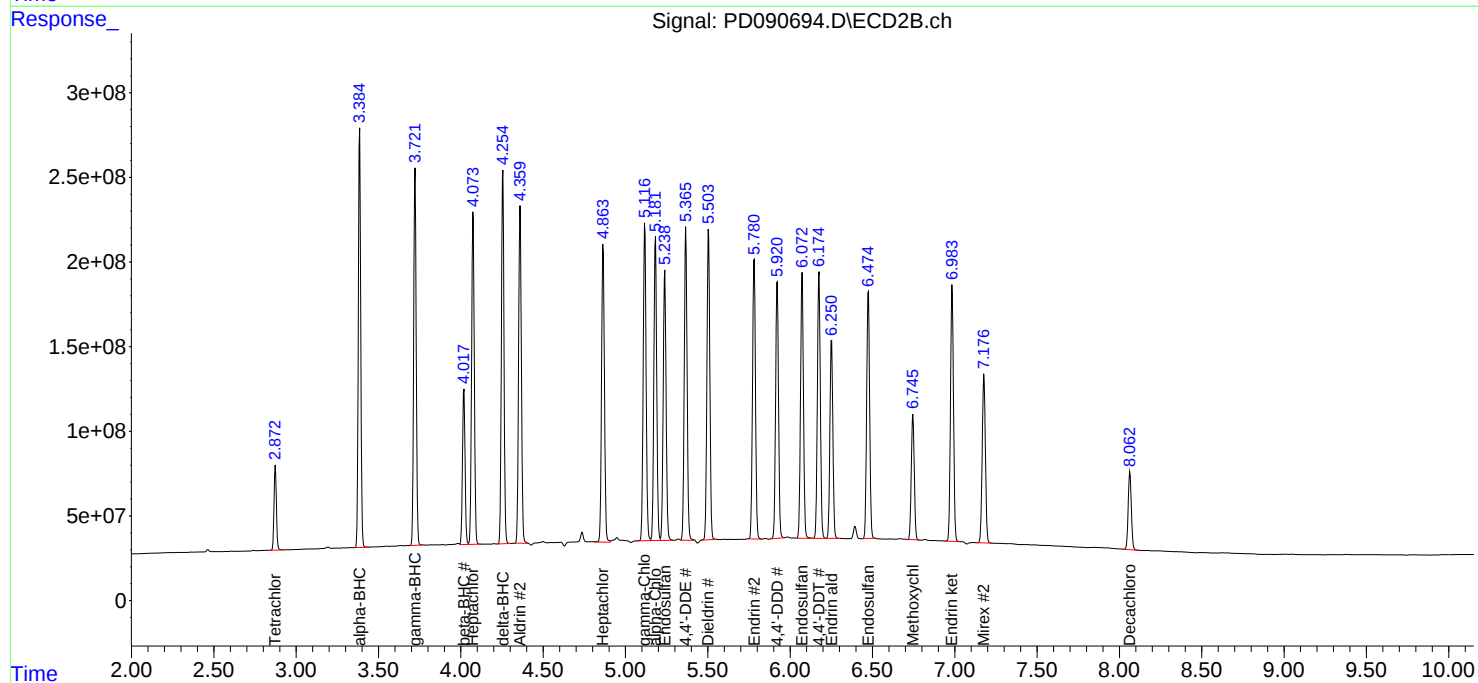
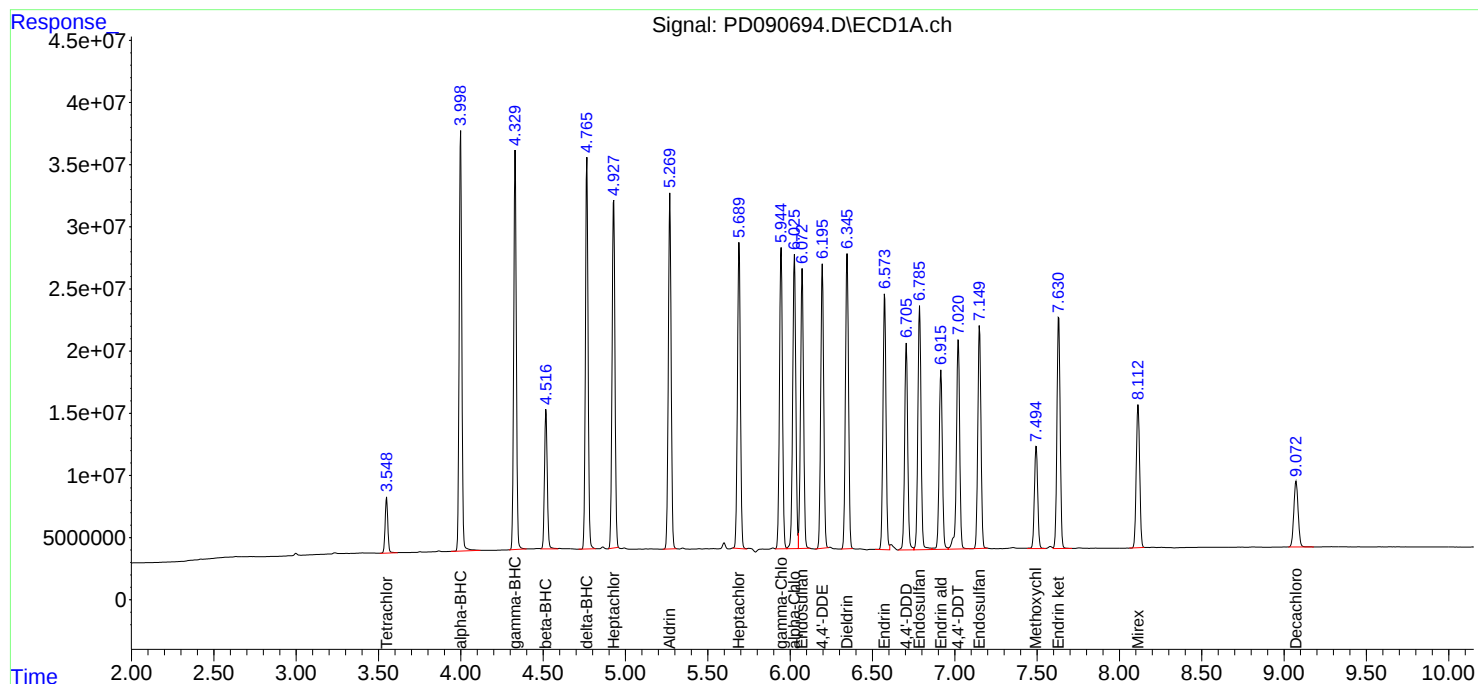
APPROVED

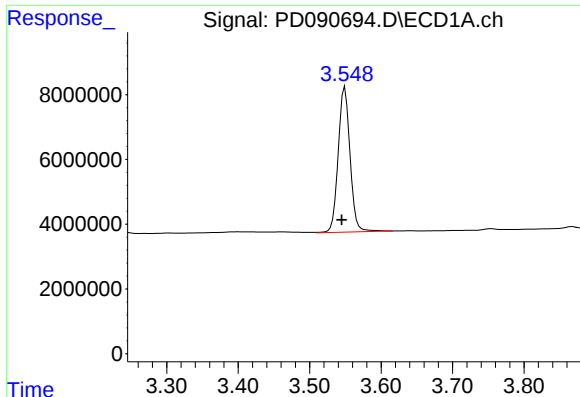
Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:49:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





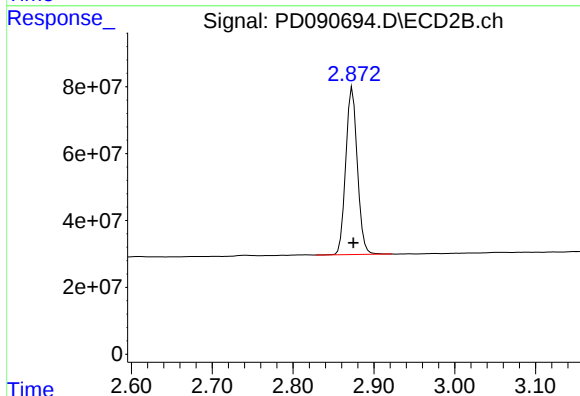
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.004 min
Response: 51420966
Conc: 16.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BS

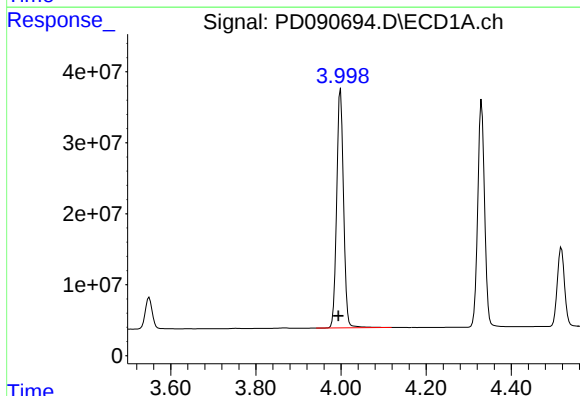
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



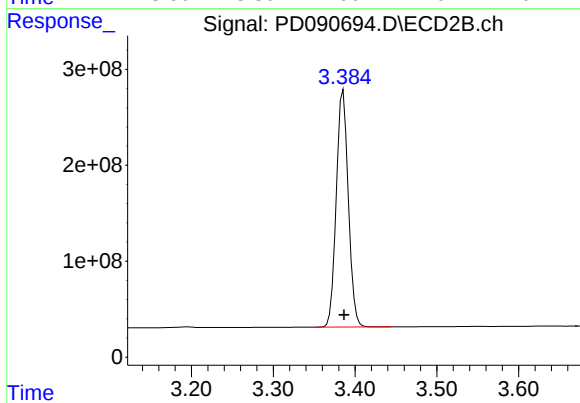
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 500134584
Conc: 16.80 ng/ml



#2 alpha-BHC

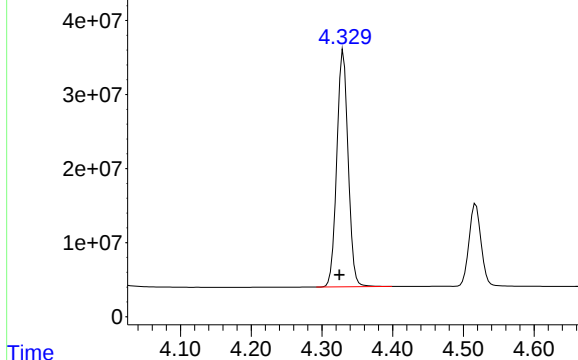
R.T.: 3.999 min
Delta R.T.: 0.005 min
Response: 378892854
Conc: 52.79 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2525697185
Conc: 49.43 ng/ml

Response_ Signal: PD090694.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.005 min
Response: 355925698
Conc: 52.35 ng/ml

Instrument :

ECD_D

ClientSampleId :

PB170163BS

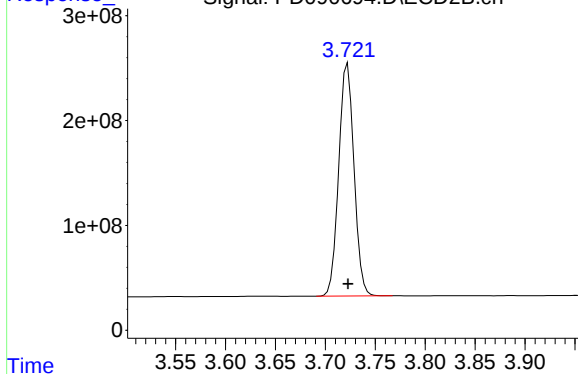
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025

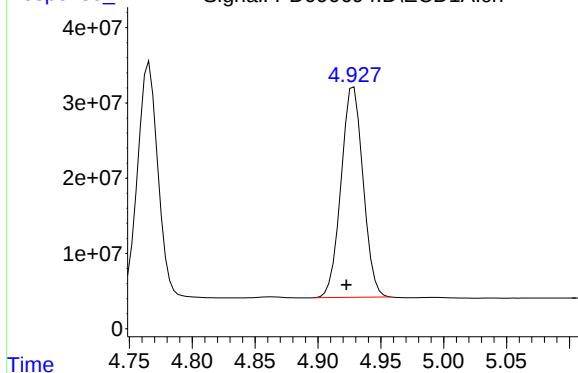
Response_ Signal: PD090694.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2361895917
Conc: 49.99 ng/ml

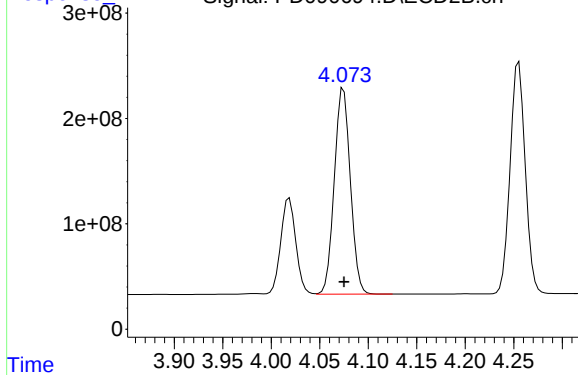
Response_ Signal: PD090694.D\ECD1A.ch



#4 Heptachlor

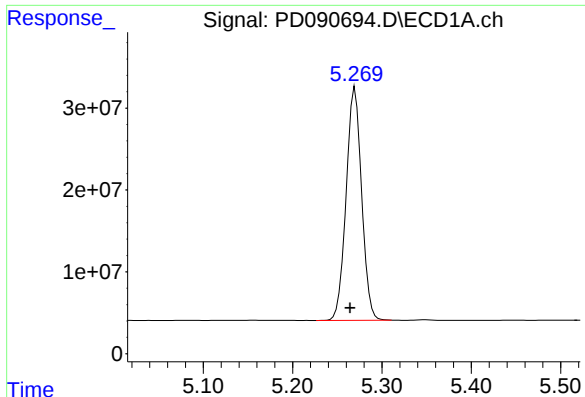
R.T.: 4.927 min
Delta R.T.: 0.004 min
Response: 341078597
Conc: 61.02 ng/ml m

Response_ Signal: PD090694.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2255581983
Conc: 50.57 ng/ml



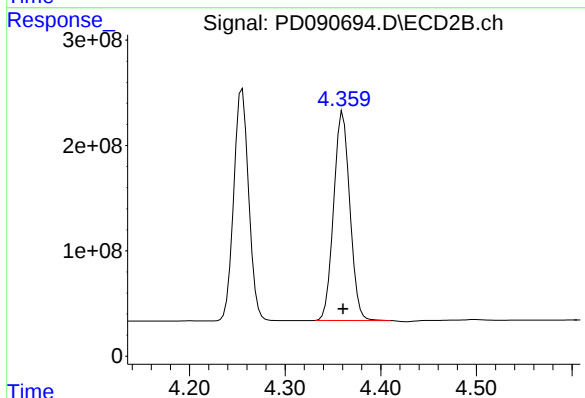
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.006 min
Response: 342503237
Conc: 52.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BS

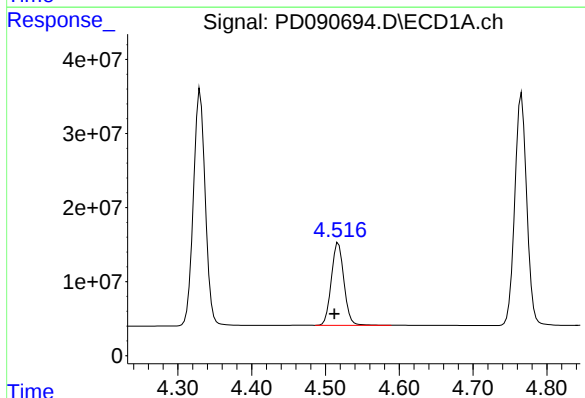
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



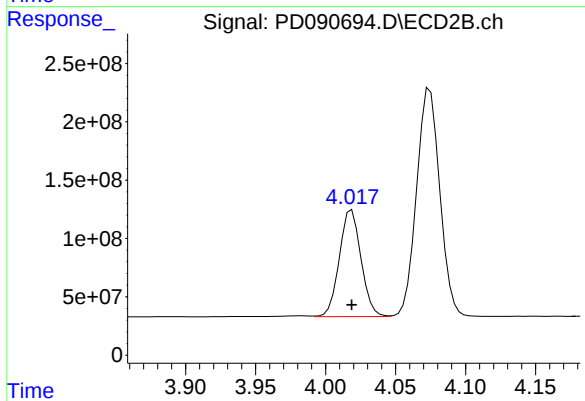
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2326683278
Conc: 50.23 ng/ml



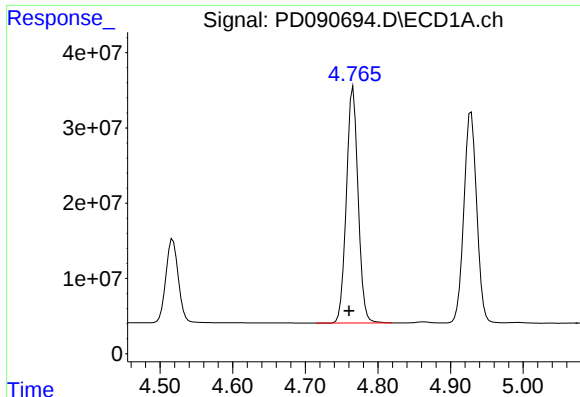
#6 beta-BHC

R.T.: 4.518 min
Delta R.T.: 0.006 min
Response: 133076458
Conc: 50.80 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 984779361
Conc: 49.66 ng/ml



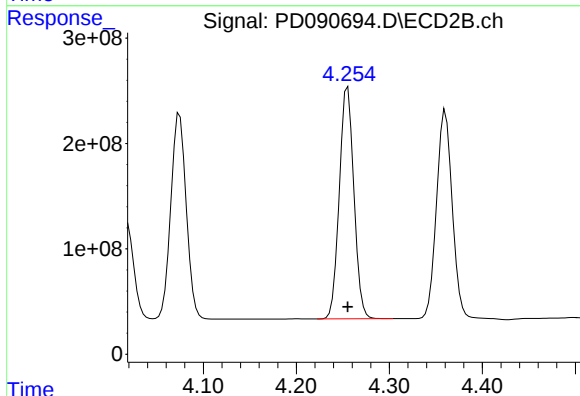
#7 delta-BHC

R.T.: 4.766 min
Delta R.T.: 0.006 min
Response: 353090086
Conc: 52.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BS

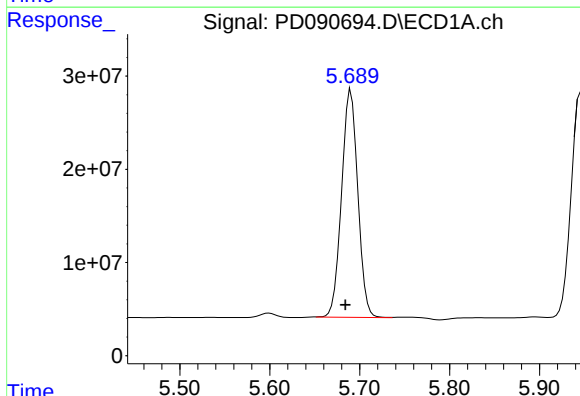
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



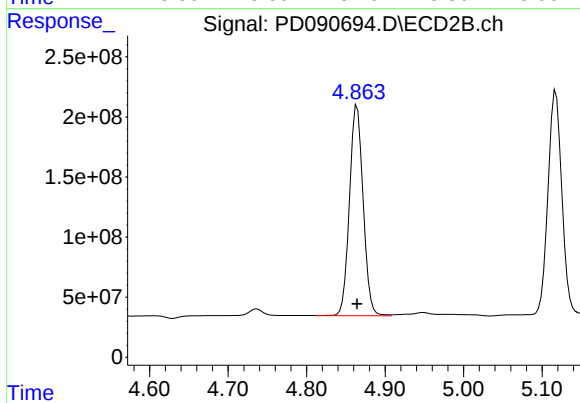
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2395760037
Conc: 50.21 ng/ml



#8 Heptachlor epoxide

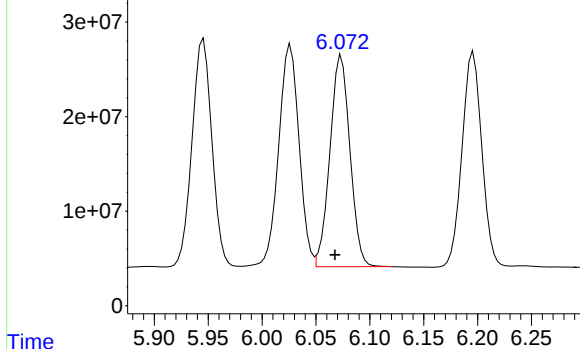
R.T.: 5.689 min
Delta R.T.: 0.005 min
Response: 306349772
Conc: 52.92 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2129450125
Conc: 49.94 ng/ml

Response_ Signal: PD090694.D\ECD1A.ch



#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.006 min
Response: 288311031
Conc: 52.07 ng/ml

Instrument :

ECD_D

ClientSampleId :

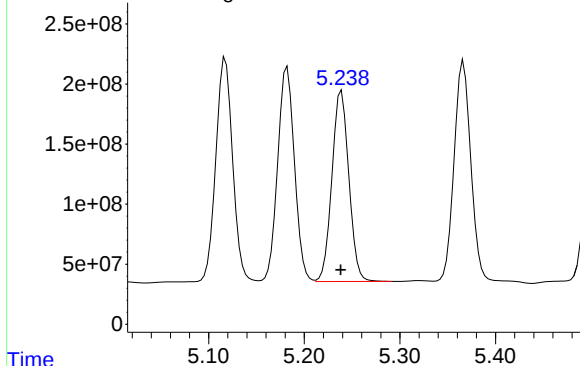
PB170163BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

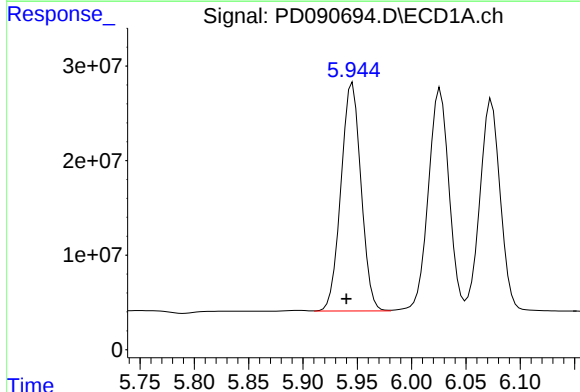
Response_ Signal: PD090694.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1950623636
Conc: 49.52 ng/ml

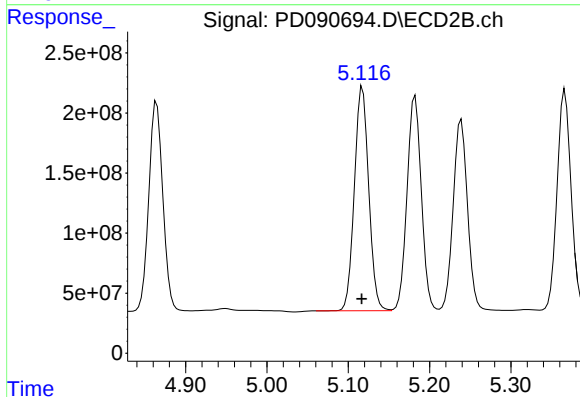
Response_ Signal: PD090694.D\ECD1A.ch



#10 gamma-Chlordane

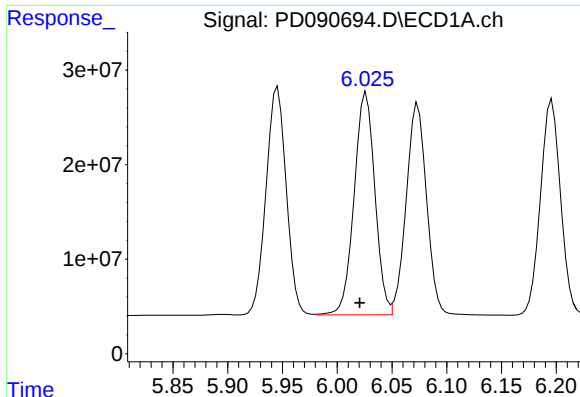
R.T.: 5.946 min
Delta R.T.: 0.005 min
Response: 310633257
Conc: 52.37 ng/ml

Response_ Signal: PD090694.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2282038196
Conc: 50.77 ng/ml



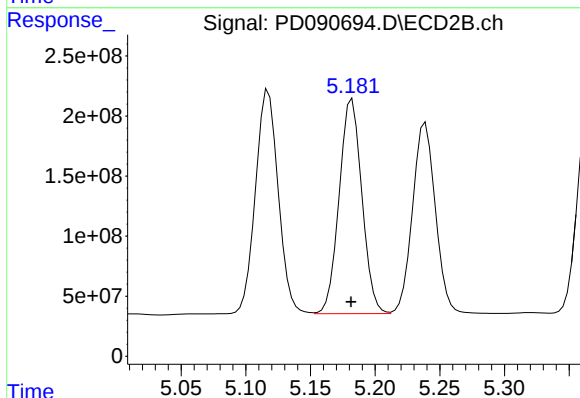
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.006 min
Response: 310676875
Conc: 50.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BS

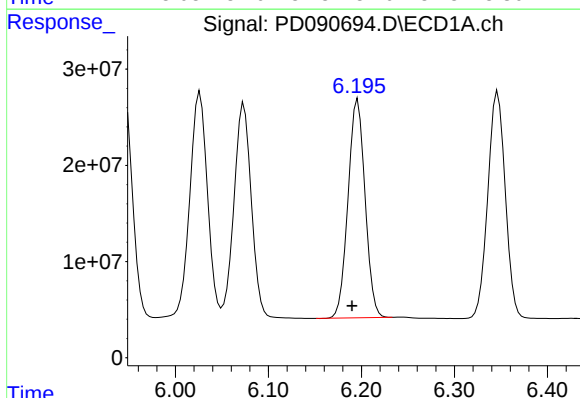
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



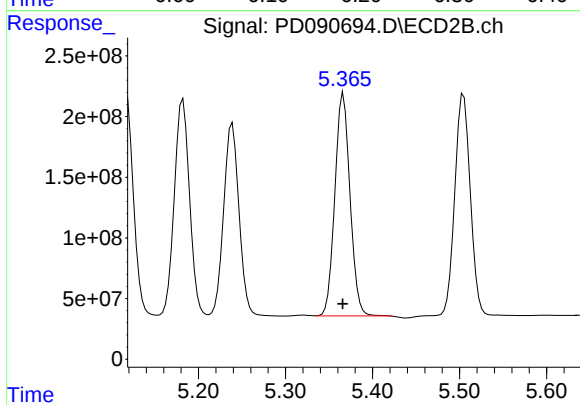
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 2181288948
Conc: 50.57 ng/ml



#12 4,4'-DDE

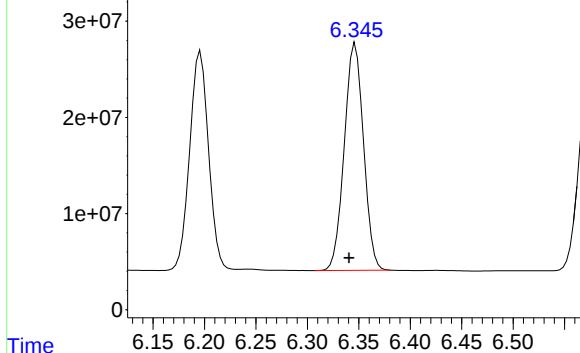
R.T.: 6.196 min
Delta R.T.: 0.006 min
Response: 288929142
Conc: 54.24 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: 0.000 min
Response: 2226780780
Conc: 50.80 ng/ml

Response_ Signal: PD090694.D\ECD1A.ch



#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.006 min
Response: 307570076
Conc: 52.74 ng/ml

Instrument :

ECD_D

ClientSampleId :

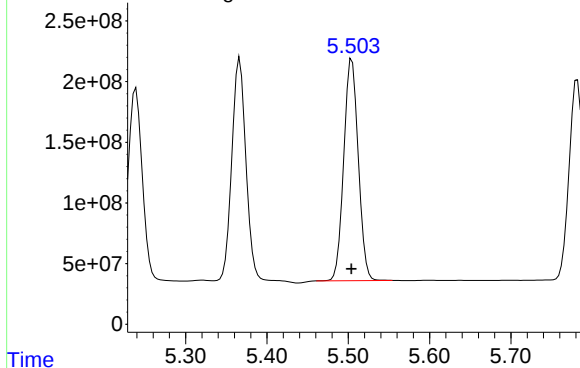
PB170163BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

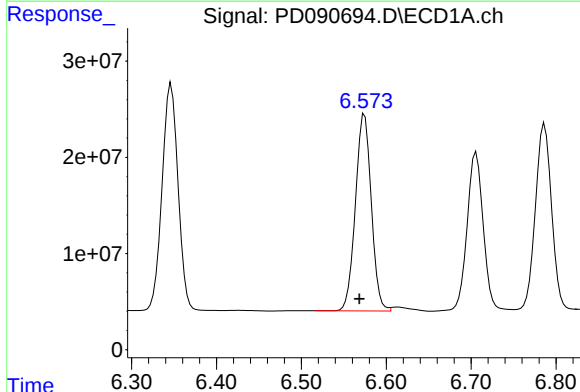
Response_ Signal: PD090694.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2262695208
Conc: 51.21 ng/ml

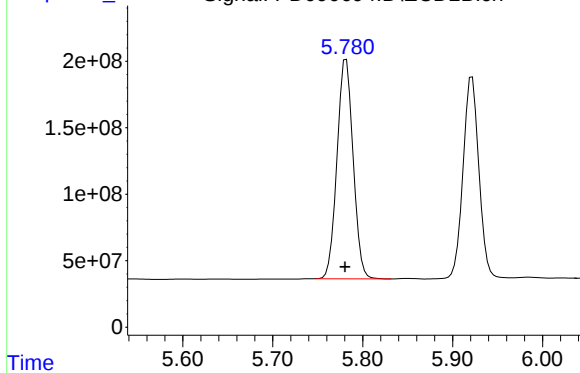
Response_ Signal: PD090694.D\ECD1A.ch



#14 Endrin

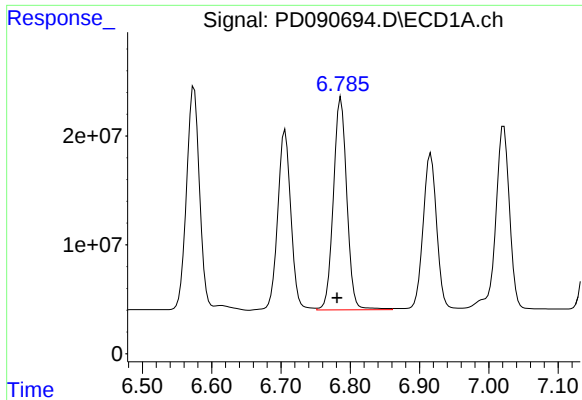
R.T.: 6.575 min
Delta R.T.: 0.006 min
Response: 266345296
Conc: 53.77 ng/ml

Response_ Signal: PD090694.D\ECD2B.ch



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.001 min
Response: 2056633250
Conc: 50.79 ng/ml



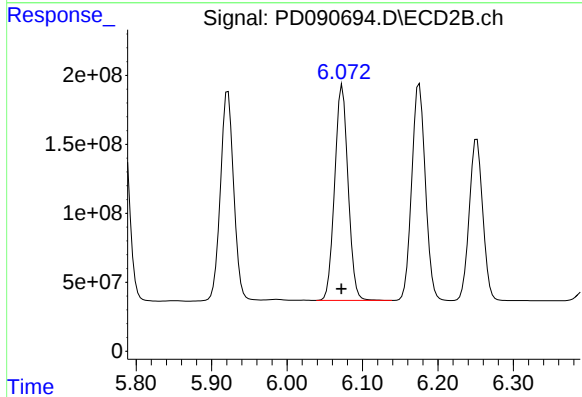
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.006 min
Response: 263239369
Conc: 52.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BS

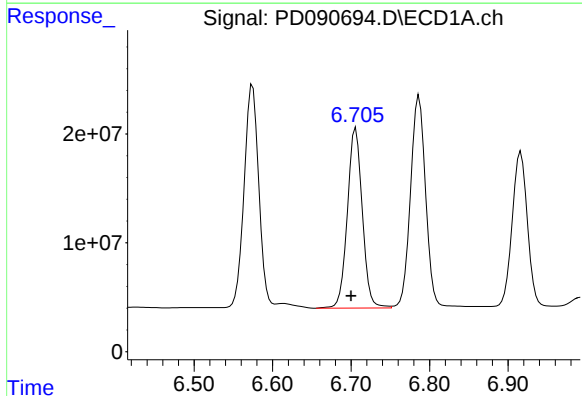
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



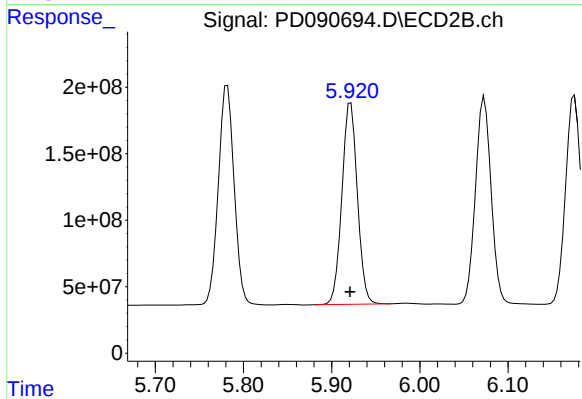
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.001 min
Response: 1931124887
Conc: 51.42 ng/ml



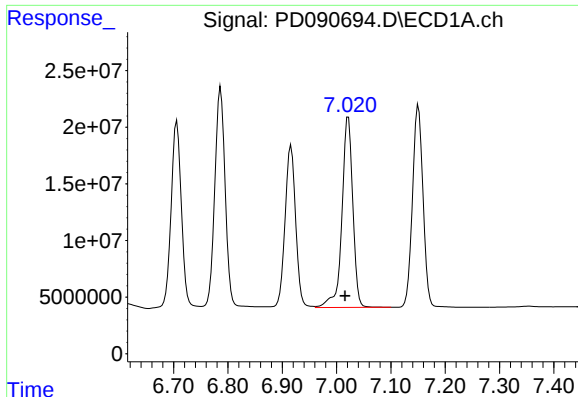
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.006 min
Response: 218845289
Conc: 53.98 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1846833897
Conc: 50.68 ng/ml



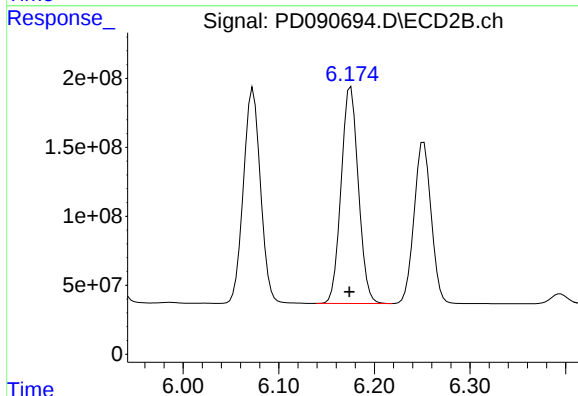
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.006 min
Response: 234984906
Conc: 57.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BS

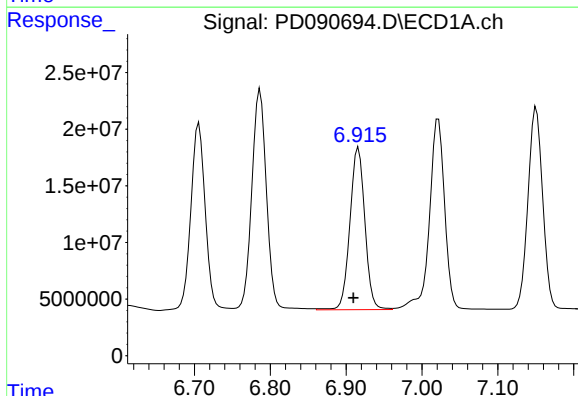
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



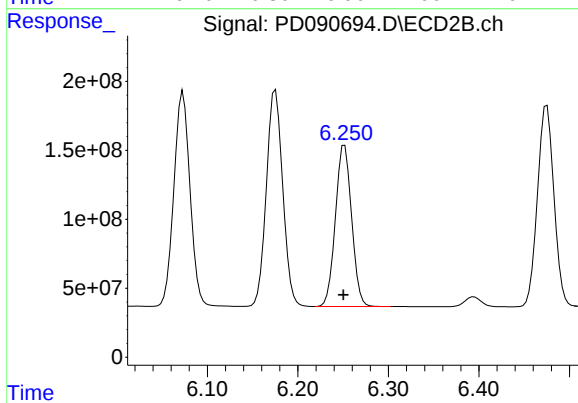
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.001 min
Response: 1972939043
Conc: 56.25 ng/ml



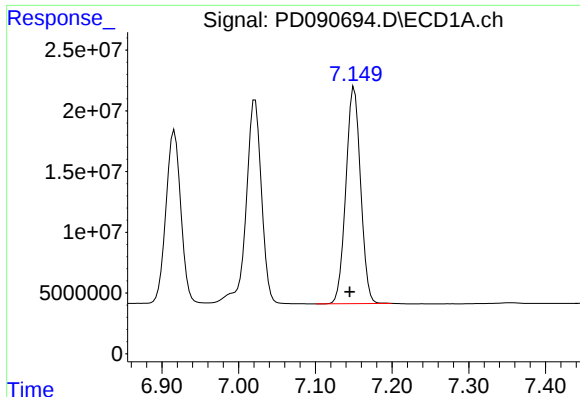
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.007 min
Response: 196645581
Conc: 53.69 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.001 min
Response: 1452813935
Conc: 52.46 ng/ml



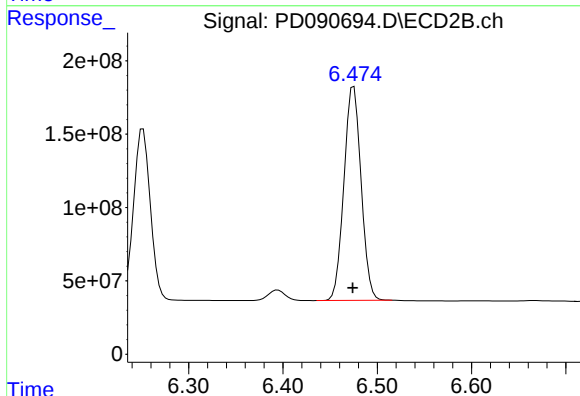
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.006 min
Response: 238749300
Conc: 51.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BS

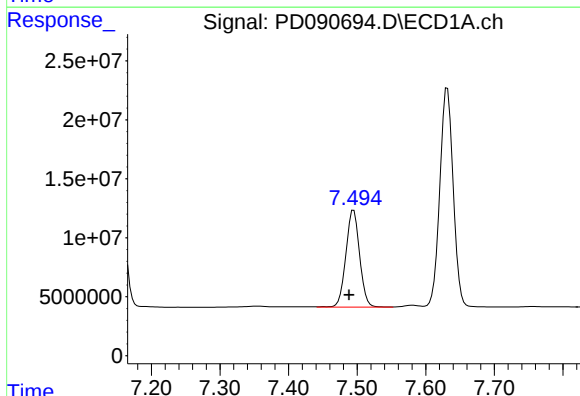
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



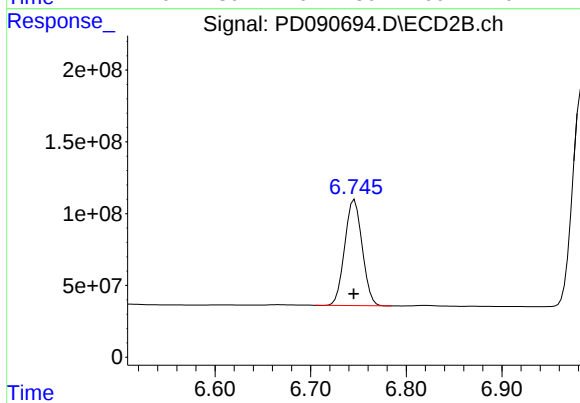
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.001 min
Response: 1847339343
Conc: 51.54 ng/ml



#20 Methoxychlor

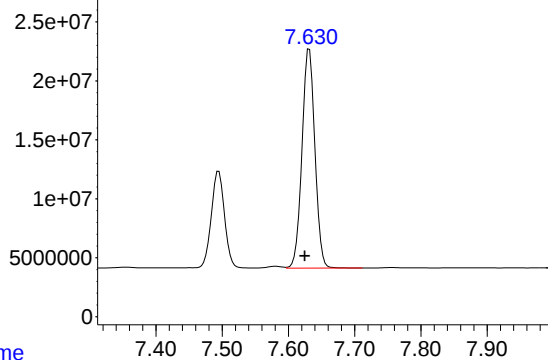
R.T.: 7.495 min
Delta R.T.: 0.007 min
Response: 114597133
Conc: 53.91 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 939211636
Conc: 53.89 ng/ml

Response_ Signal: PD090694.D\ECD1A.ch



#21 Endrin ketone

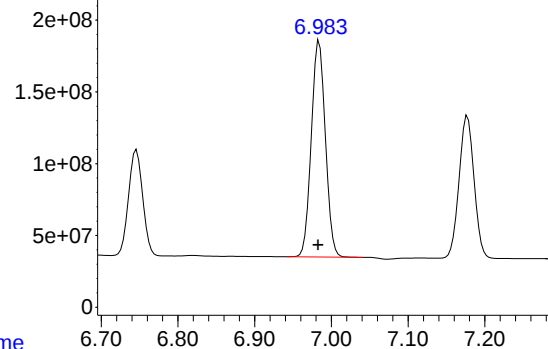
R.T.: 7.631 min
Delta R.T.: 0.007 min
Response: 251842513
Conc: 51.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170163BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025

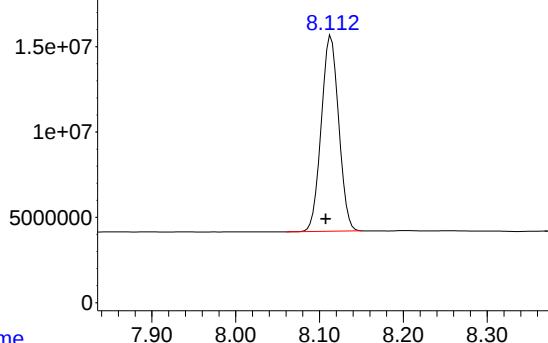
Time Response_ Signal: PD090694.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.001 min
Response: 1924161296
Conc: 51.01 ng/ml

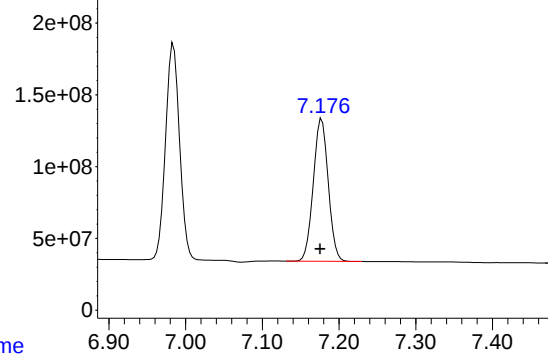
Time Response_ Signal: PD090694.D\ECD1A.ch



#22 Mirex

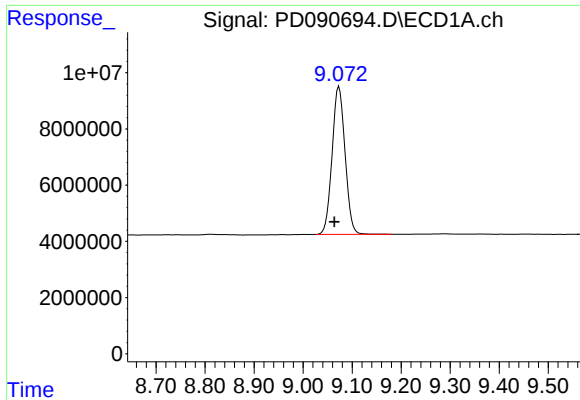
R.T.: 8.114 min
Delta R.T.: 0.006 min
Response: 165843674
Conc: 51.81 ng/ml

Time Response_ Signal: PD090694.D\ECD2B.ch



#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.002 min
Response: 1347836516
Conc: 52.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.009 min
Response: 96646381
Conc: 20.66 ng/ml

Instrument :

ECD_D

ClientSampleId :

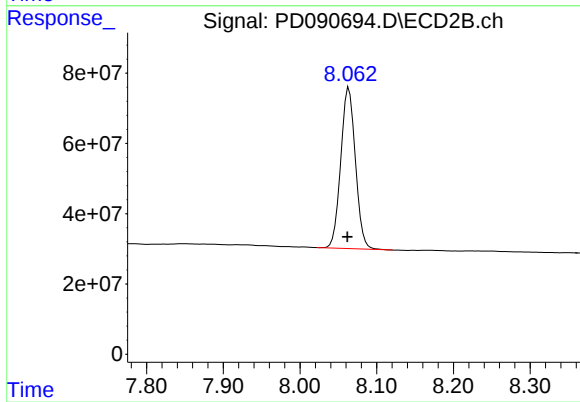
PB170163BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.002 min
Response: 609702764
Conc: 20.13 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	TP-5-WCMS		SDG No.:	Q3375
Lab Sample ID:	Q3374-05MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	93.1
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	17.7		1	0.14	1.80	ug/kg	10/20/25 17:47	PB170163
319-85-7	beta-BHC	17.3		1	0.19	1.80	ug/kg	10/20/25 17:47	PB170163
319-86-8	delta-BHC	17.6		1	0.42	1.80	ug/kg	10/20/25 17:47	PB170163
58-89-9	gamma-BHC (Lindane)	17.5		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
76-44-8	Heptachlor	17.8		1	0.13	1.80	ug/kg	10/20/25 17:47	PB170163
309-00-2	Aldrin	17.4		1	0.13	1.80	ug/kg	10/20/25 17:47	PB170163
1024-57-3	Heptachlor epoxide	17.3		1	0.20	1.80	ug/kg	10/20/25 17:47	PB170163
959-98-8	Endosulfan I	17.1		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
60-57-1	Dieldrin	17.2		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
72-55-9	4,4-DDE	17.2		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
72-20-8	Endrin	17.3		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
33213-65-9	Endosulfan II	16.5		1	0.31	1.80	ug/kg	10/20/25 17:47	PB170163
72-54-8	4,4-DDD	17.9		1	0.16	1.80	ug/kg	10/20/25 17:47	PB170163
1031-07-8	Endosulfan Sulfate	16.4		1	0.14	1.80	ug/kg	10/20/25 17:47	PB170163
50-29-3	4,4-DDT	17.8		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
72-43-5	Methoxychlor	16.9		1	0.40	1.80	ug/kg	10/20/25 17:47	PB170163
53494-70-5	Endrin ketone	16.7		1	0.20	1.80	ug/kg	10/20/25 17:47	PB170163
7421-93-4	Endrin aldehyde	16.5		1	0.40	1.80	ug/kg	10/20/25 17:47	PB170163
5103-71-9	alpha-Chlordane	16.8		1	0.13	1.80	ug/kg	10/20/25 17:47	PB170163
5103-74-2	gamma-Chlordane	16.7		1	0.16	1.80	ug/kg	10/20/25 17:47	PB170163
8001-35-2	Toxaphene	35.4	U	1	5.80	35.4	ug/kg	10/20/25 17:47	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.0			20 - 144	85%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.4			19 - 148	97%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090707.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 17:47
 Operator : AR\AJ
 Sample : Q3374-05MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-5-WCMS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/21/2025
 Supervised By : mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:53:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.875	58250797	578.0E6	18.705m	19.410
28)	SA Decachlor...	9.066	8.062	79660098	495.7E6	17.029	16.364
Target Compounds							
2)	A alpha-BHC	3.994	3.387	355.7E6	2383.1E6	49.557	46.641
3)	MA gamma-BHC...	4.325	3.723	332.0E6	2196.2E6	48.825	46.482
4)	MA Heptachlor	4.923	4.075	278.0E6	2068.7E6	49.738	46.381
5)	MB Aldrin	5.265	4.360	319.2E6	2178.8E6	48.753	47.039
6)	B beta-BHC	4.512	4.019	126.5E6	932.9E6	48.284	47.047
7)	B delta-BHC	4.761	4.255	332.7E6	2217.2E6	49.199	46.466
8)	B Heptachlo...	5.685	4.862	280.0E6	1942.9E6	48.363	45.566m
9)	A Endosulfan I	6.069	5.238	265.3E6	1837.9E6	47.923	46.659
10)	B gamma-Chl...	5.940	5.116	277.1E6	2095.9E6	46.718	46.628
11)	B alpha-Chl...	6.021	5.181	286.0E6	2020.8E6	46.273	46.846
12)	B 4,4'-DDE	6.191	5.366	256.8E6	2045.4E6	48.201	46.657
13)	MA Dieldrin	6.341	5.504	281.2E6	2061.3E6	48.218	46.653
14)	MA Endrin	6.569	5.779	239.9E6	1935.7E6	48.420	47.802m
15)	B Endosulfa...	6.783	6.072	186.7E6	1729.8E6	37.349	46.060
16)	A 4,4'-DDD	6.700	5.921	202.7E6	1583.5E6	49.988	43.458
17)	MA 4,4'-DDT	7.016	6.174	204.2E6	1657.6E6	49.667	47.262
18)	B Endrin al...	6.909	6.250	169.2E6	1252.7E6	46.207m	45.234
19)	B Endosulfa...	7.146	6.474	213.2E6	1609.2E6	45.972	44.895
20)	A Methoxychlor	7.489	6.745	100.2E6	800.7E6	47.145	45.946
21)	B Endrin ke...	7.626	6.983	226.6E6	1713.8E6	46.641	45.437
22)	Mirex	8.108	7.176	142.3E6	1121.2E6	44.458	43.641

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090707.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 17:47
Operator : AR\AJ
Sample : Q3374-05MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-5-WCMS

Manual Integrations

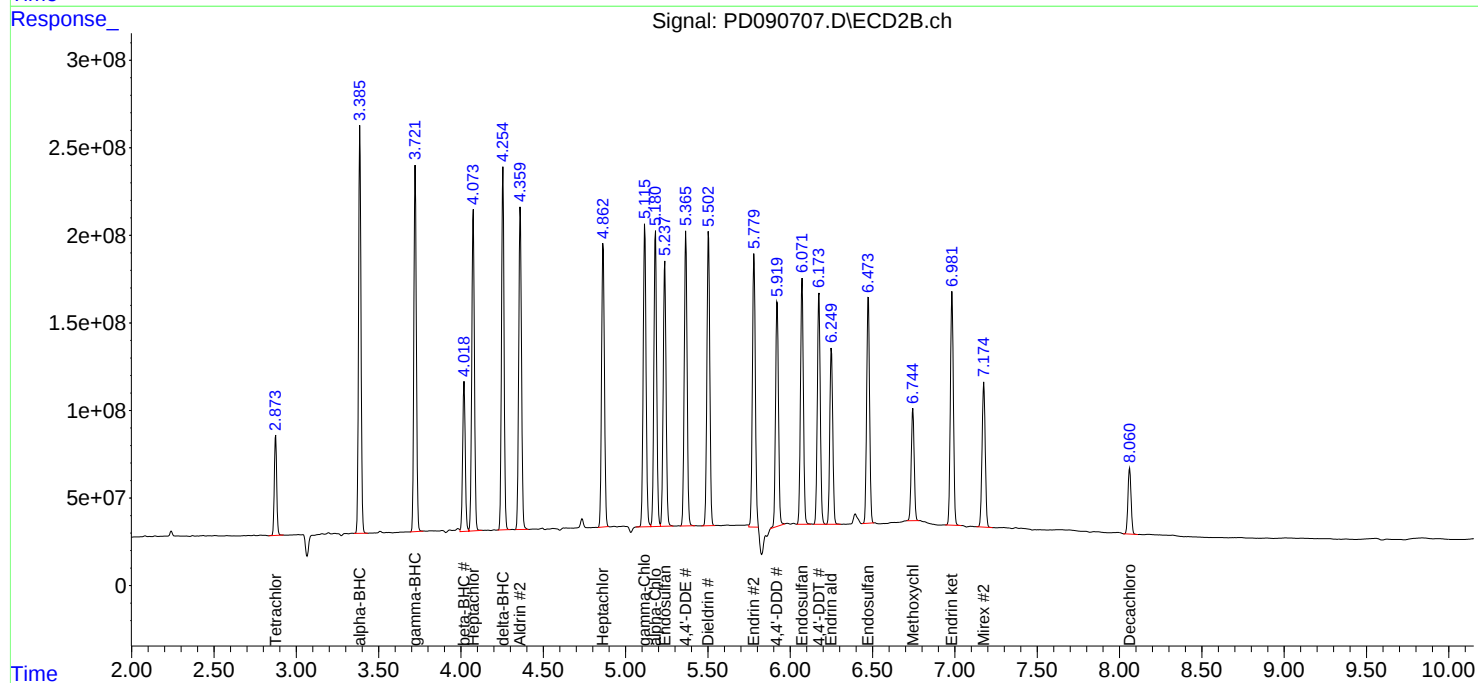
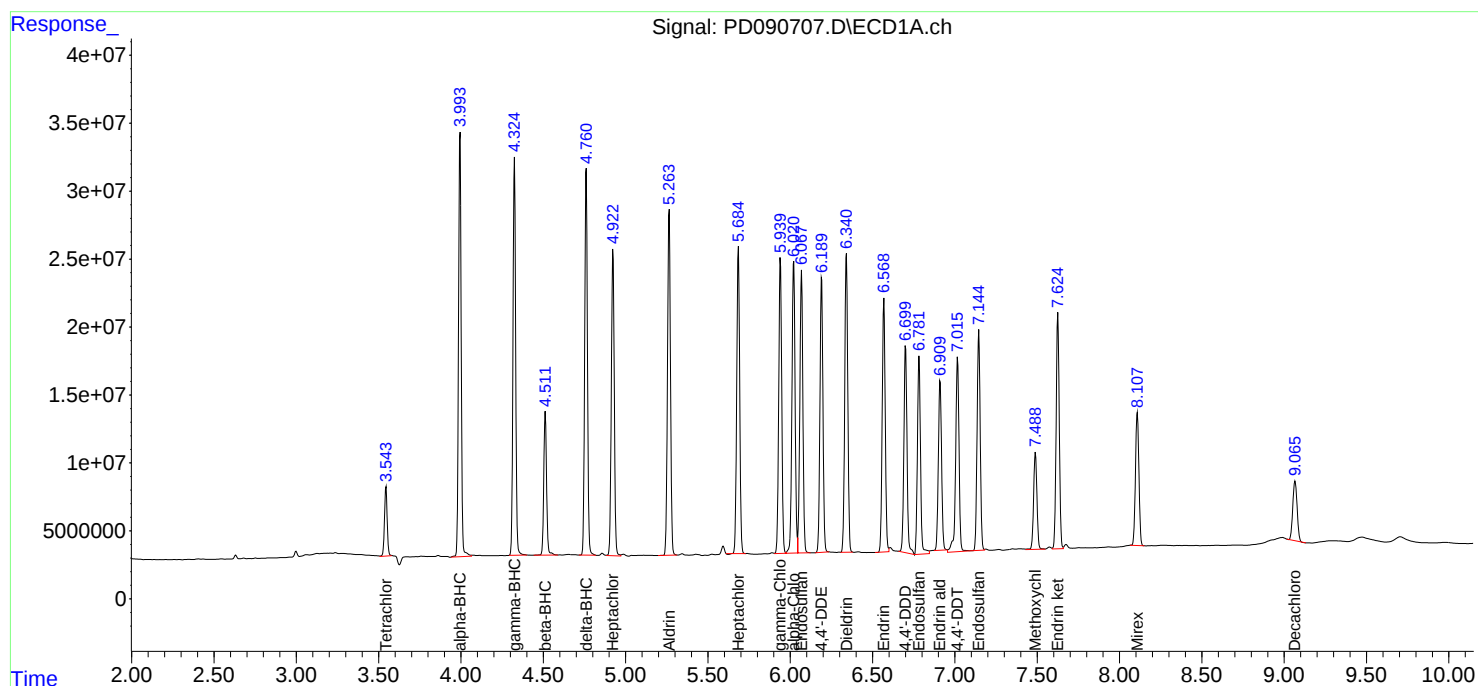
APPROVED

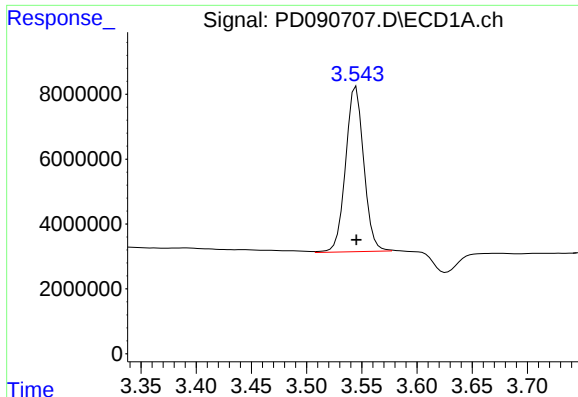
Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 20 23:53:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





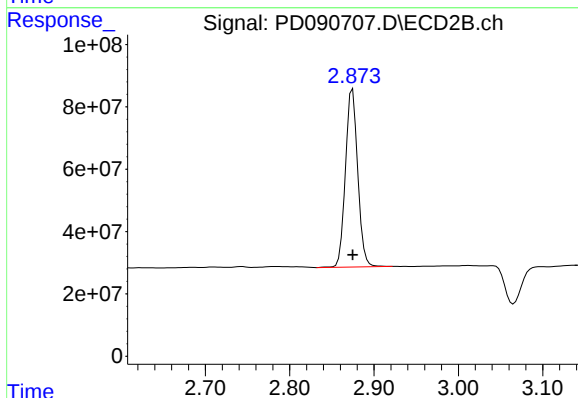
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 58250797
Conc: 18.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

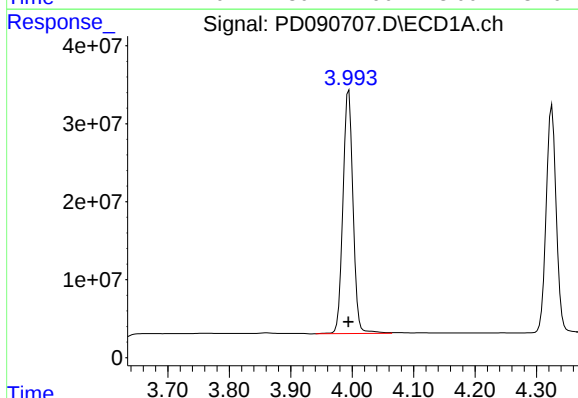
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



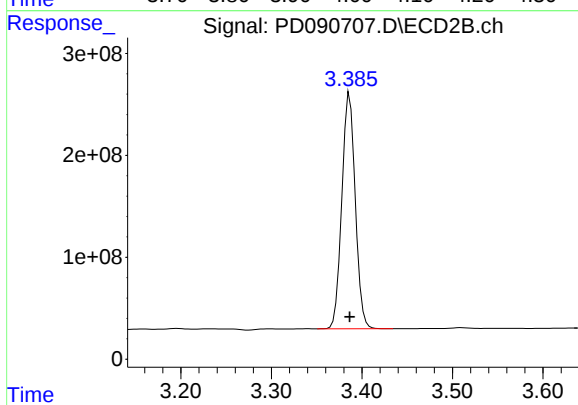
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 577973604
Conc: 19.41 ng/ml



#2 alpha-BHC

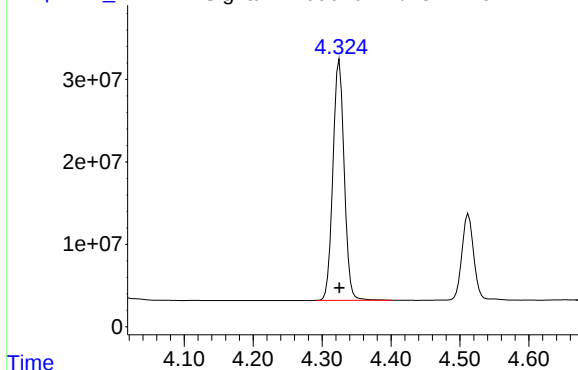
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 355677215
Conc: 49.56 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2383137735
Conc: 46.64 ng/ml

Response_ Signal: PD090707.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 331952389
Conc: 48.82 ng/ml

Instrument :

ECD_D

ClientSampleId :

TP-5-WCMS

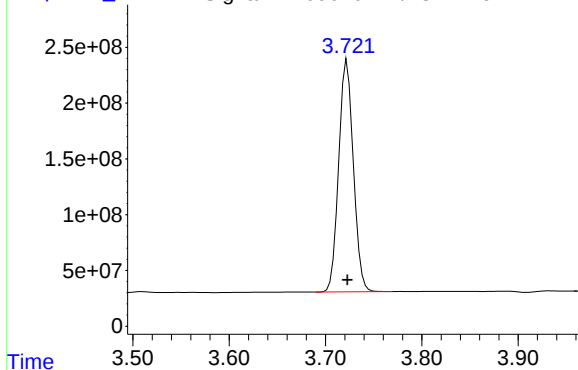
Manual Integrations

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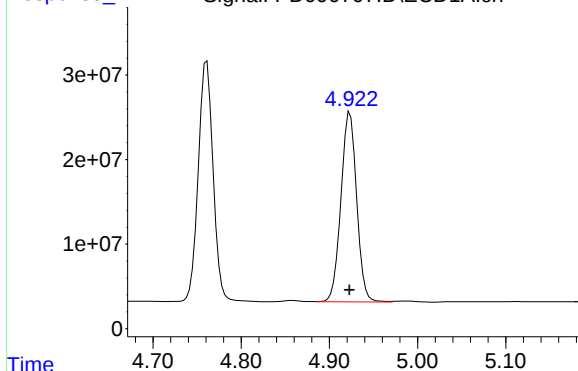
Time Response_ Signal: PD090707.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2196233864
Conc: 46.48 ng/ml

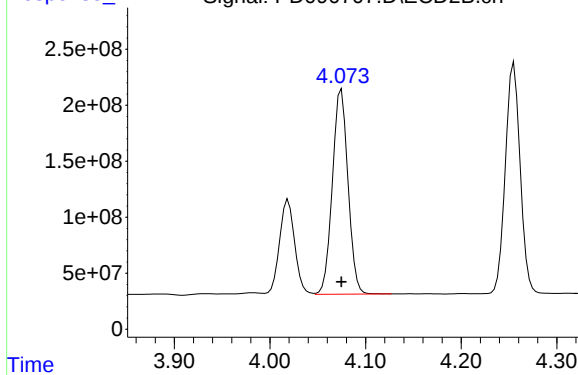
Time Response_ Signal: PD090707.D\ECD1A.ch



#4 Heptachlor

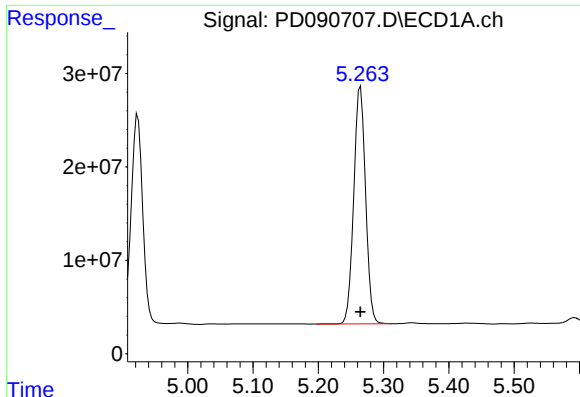
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 278013338
Conc: 49.74 ng/ml

Time Response_ Signal: PD090707.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2068743447
Conc: 46.38 ng/ml



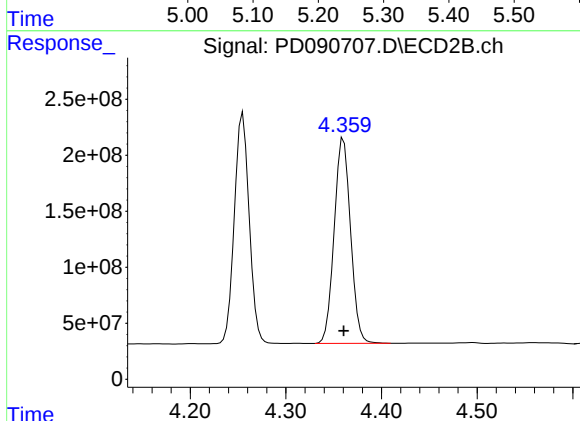
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 319197691
Conc: 48.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

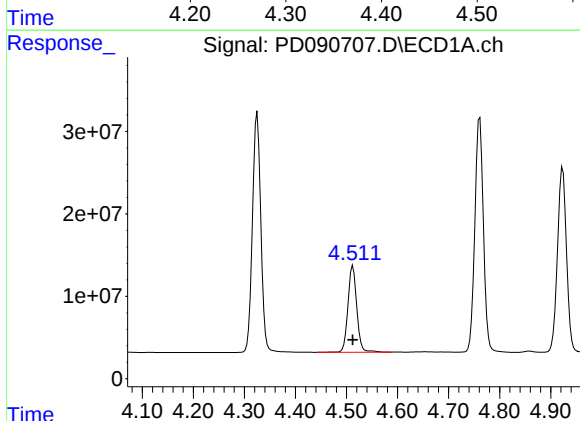
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



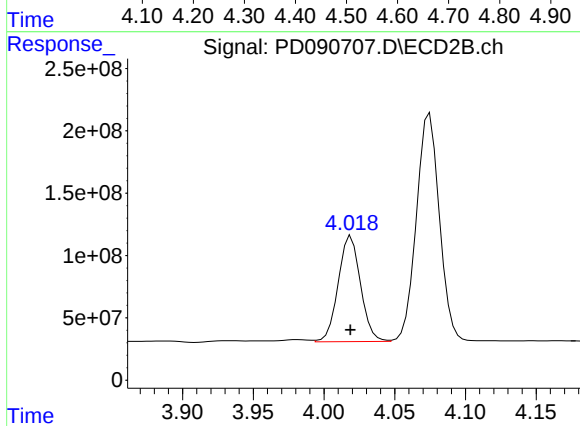
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2178781483
Conc: 47.04 ng/ml



#6 beta-BHC

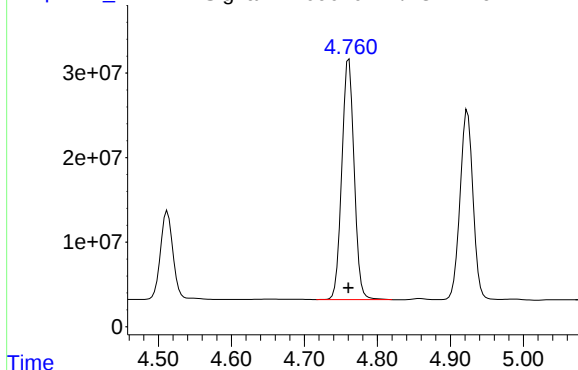
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 126486121
Conc: 48.28 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 932913471
Conc: 47.05 ng/ml

Response_ Signal: PD090707.D\ECD1A.ch



#7 delta-BHC

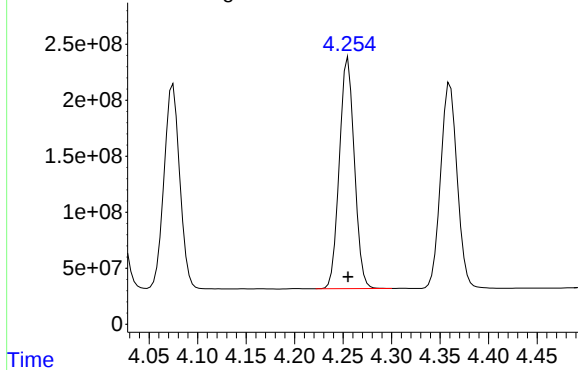
R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 332670450
Conc: 49.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

Manual Integrations
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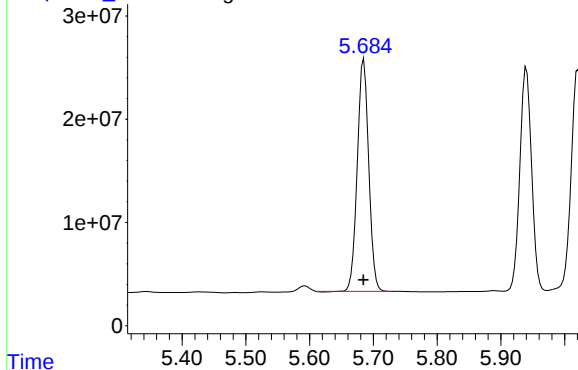
Response_ Signal: PD090707.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2217184463
Conc: 46.47 ng/ml

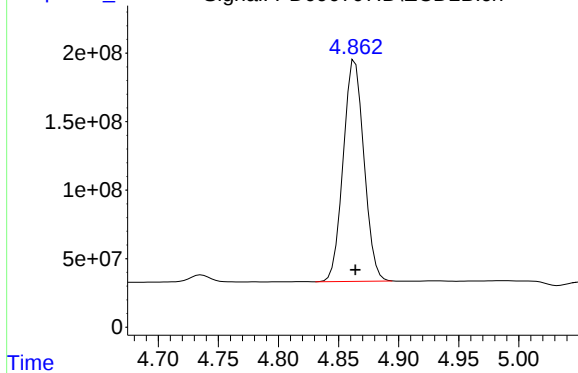
Response_ Signal: PD090707.D\ECD1A.ch



#8 Heptachlor epoxide

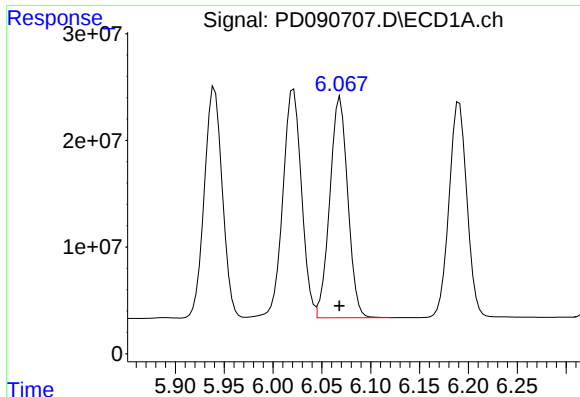
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 279977721
Conc: 48.36 ng/ml

Response_ Signal: PD090707.D\ECD2B.ch



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 1942899890
Conc: 45.57 ng/ml m



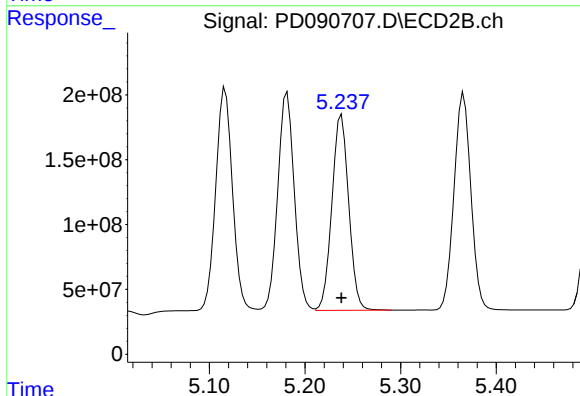
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 265334378
Conc: 47.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

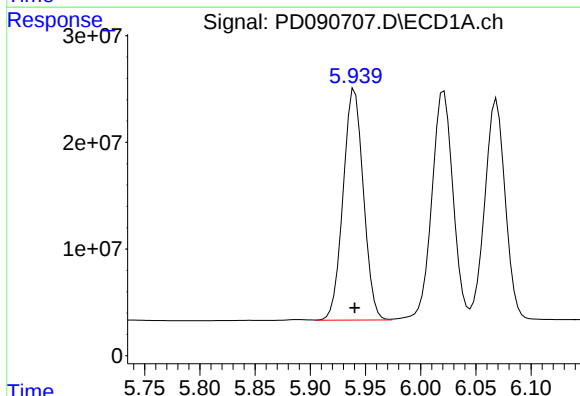
Manual Integrations
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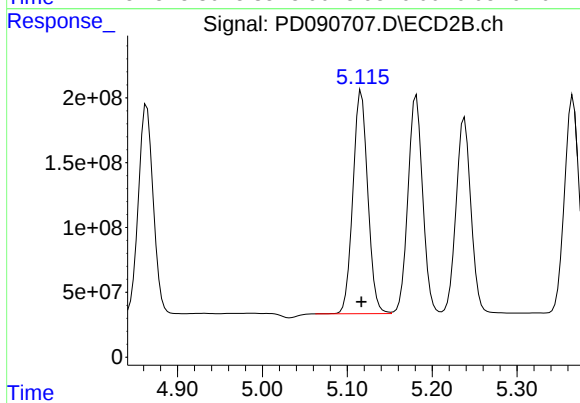
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1837911488
Conc: 46.66 ng/ml



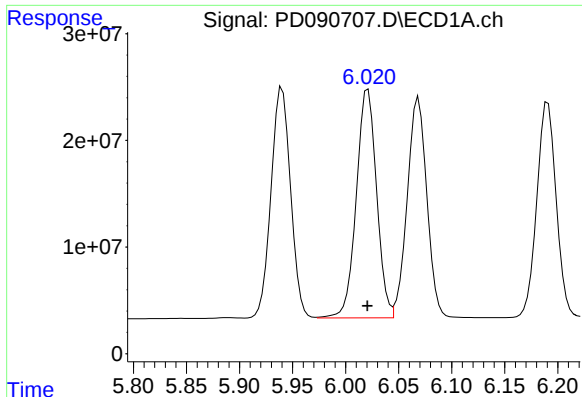
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 277094900
Conc: 46.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2095881525
Conc: 46.63 ng/ml



#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 285978309
Conc: 46.27 ng/ml

Instrument :

ECD_D

ClientSampleId :

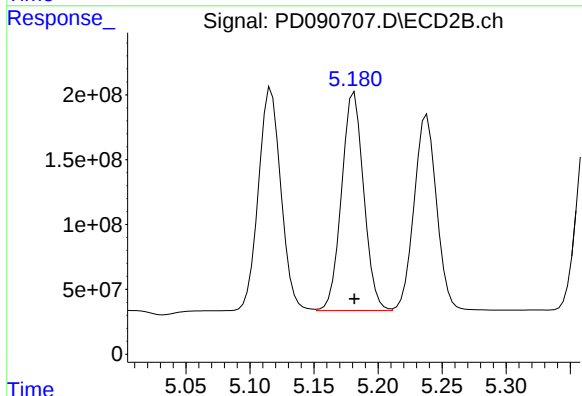
TP-5-WCMS

Manual Integrations

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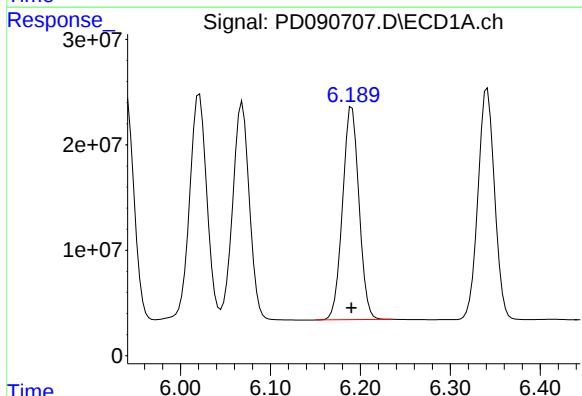
Reviewed By :Abdul Mirza 10/21/2025

Supervised By :mohammad ahmed 10/24/2025



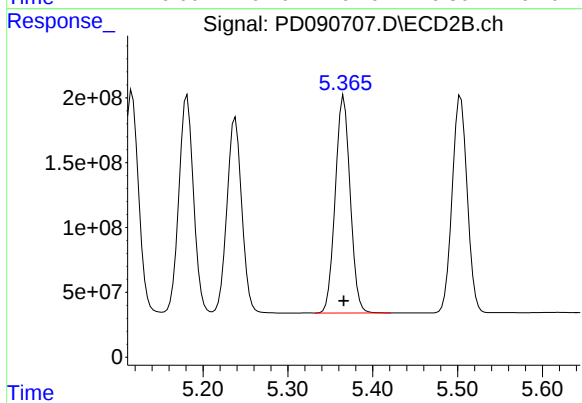
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2020823652
Conc: 46.85 ng/ml



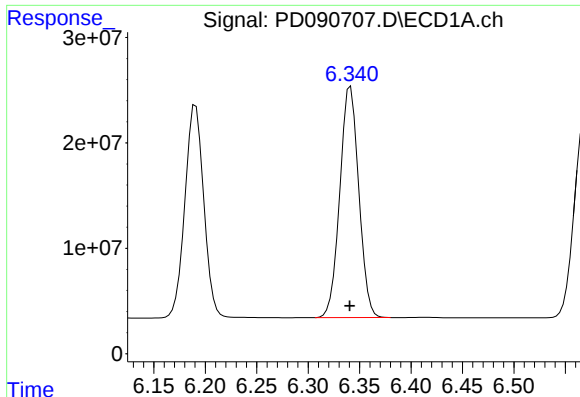
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 256751583
Conc: 48.20 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2045358889
Conc: 46.66 ng/ml



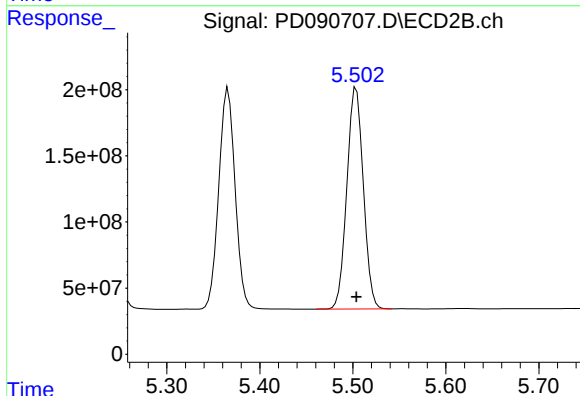
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 281175932
Conc: 48.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

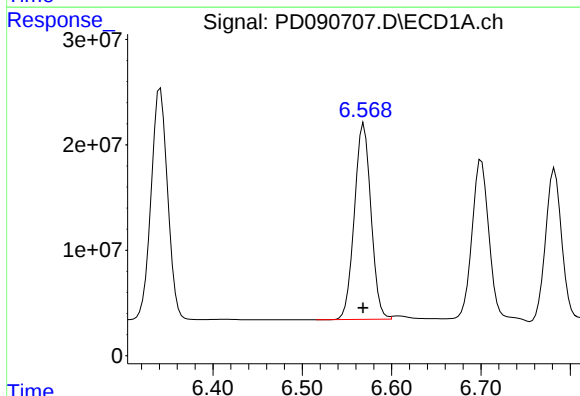
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



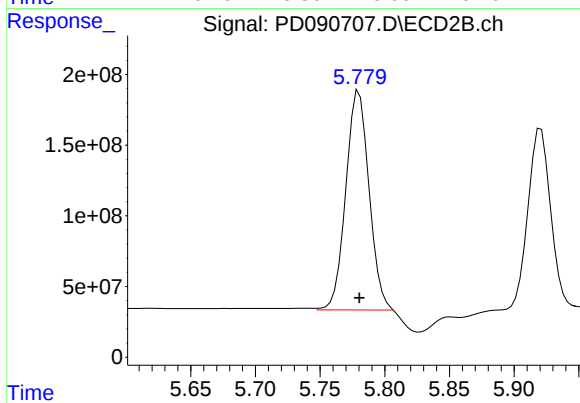
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2061317004
Conc: 46.65 ng/ml



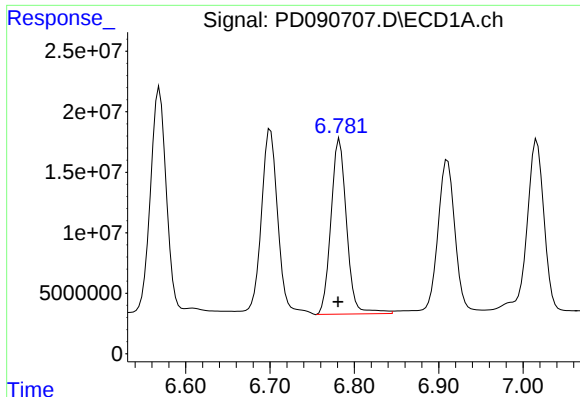
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 239857278
Conc: 48.42 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 1935697716
Conc: 47.80 ng/ml m



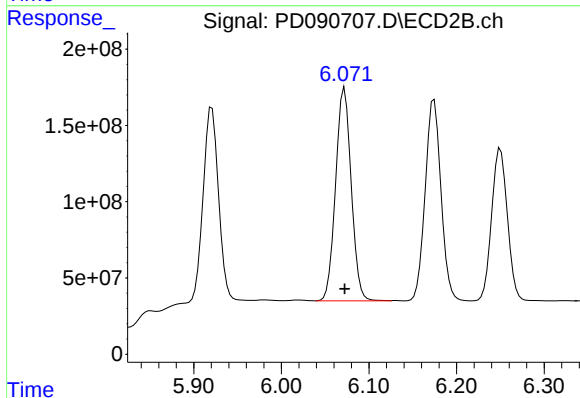
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.002 min
Response: 186744417
Conc: 37.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

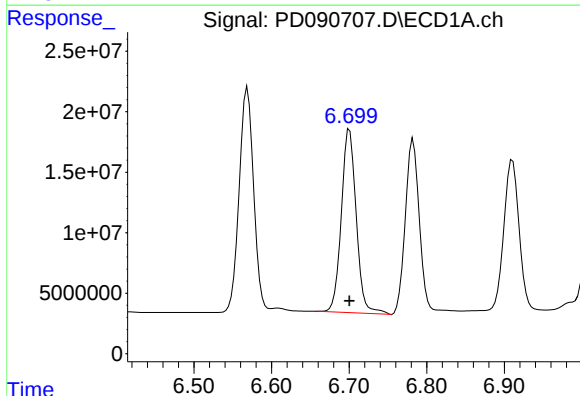
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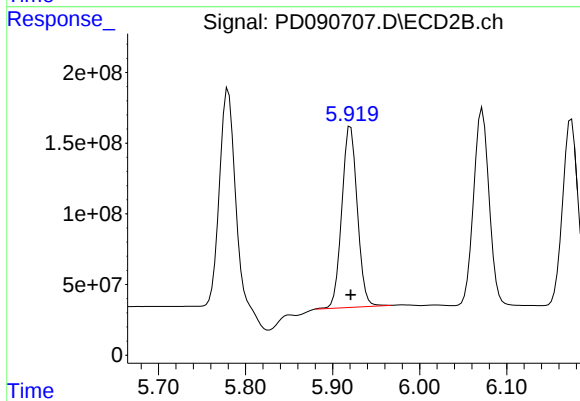
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1729793046
Conc: 46.06 ng/ml



#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 202662460
Conc: 49.99 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1583534734
Conc: 43.46 ng/ml

Response_ Signal: PD090707.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.001 min
Response: 204155804
Conc: 49.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

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Supervised By :mohammad ahmed 10/24/2025

Time

Response_ Signal: PD090707.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1657638606
Conc: 47.26 ng/ml

Time

Response_ Signal: PD090707.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 169242678
Conc: 46.21 ng/ml m

Time

Response_ Signal: PD090707.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1252651510
Conc: 45.23 ng/ml

Time

Response_ Signal: PD090707.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: 0.000 min
Response: 1252651510
Conc: 45.23 ng/ml

Time

Response_ Signal: PD090707.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1252651510
Conc: 45.23 ng/ml

Time

Response_ Signal: PD090707.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: 0.000 min
Response: 1252651510
Conc: 45.23 ng/ml

Time

Response_ Signal: PD090707.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1252651510
Conc: 45.23 ng/ml

Time

Response_ Signal: PD090707.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: 0.000 min
Response: 1252651510
Conc: 45.23 ng/ml

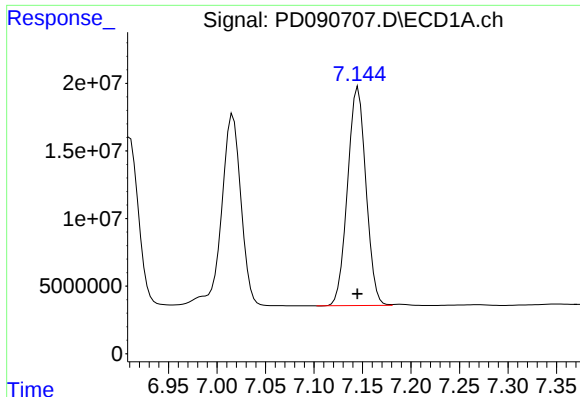
Time

Response_ Signal: PD090707.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1252651510
Conc: 45.23 ng/ml

Time



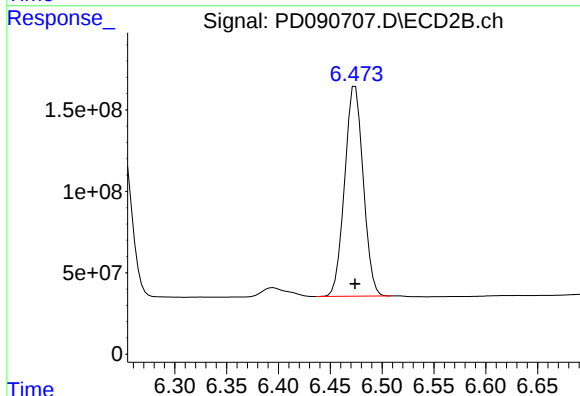
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 213229210
Conc: 45.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

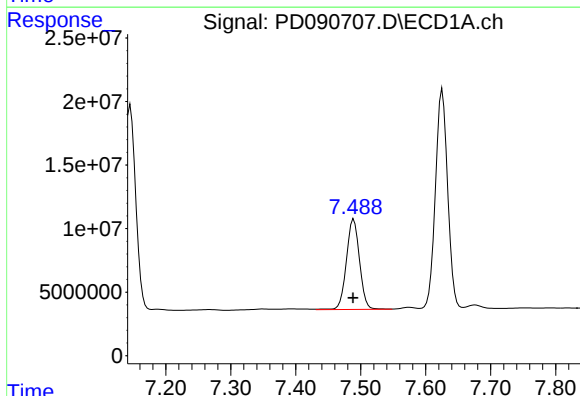
Manual Integrations
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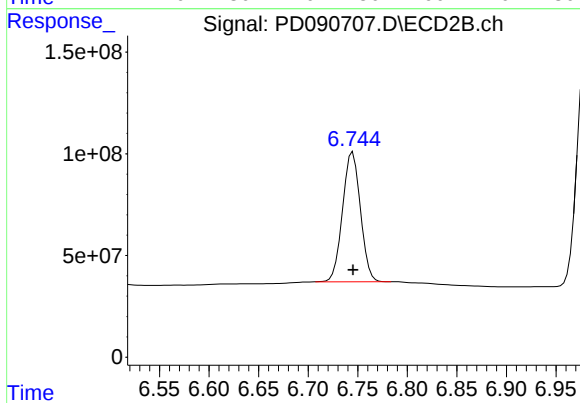
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1609245838
Conc: 44.89 ng/ml



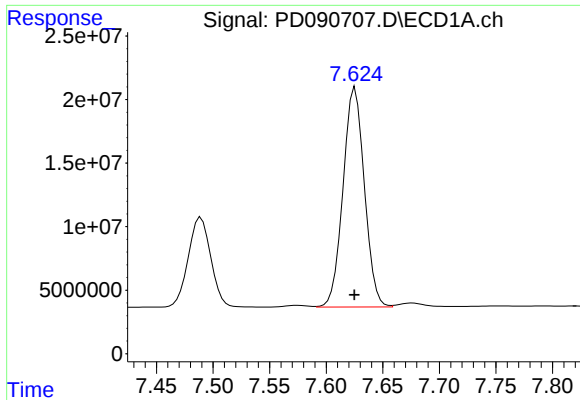
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 100210626
Conc: 47.14 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 800732064
Conc: 45.95 ng/ml



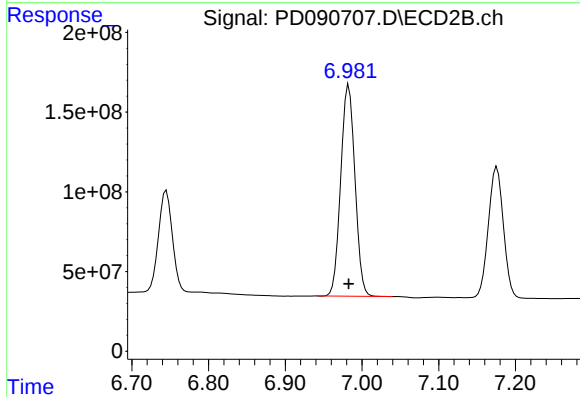
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 226620175
Conc: 46.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMS

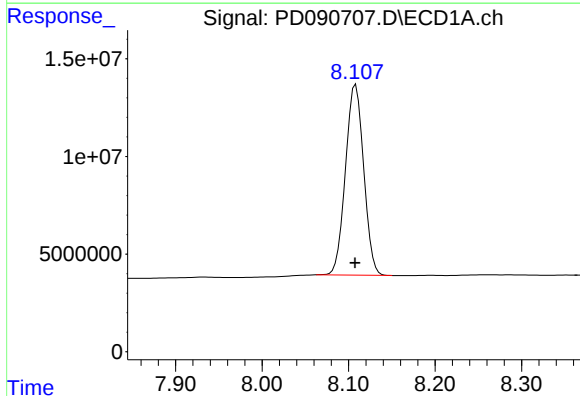
Manual Integrations
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Supervised By :mohammad ahmed 10/24/2025



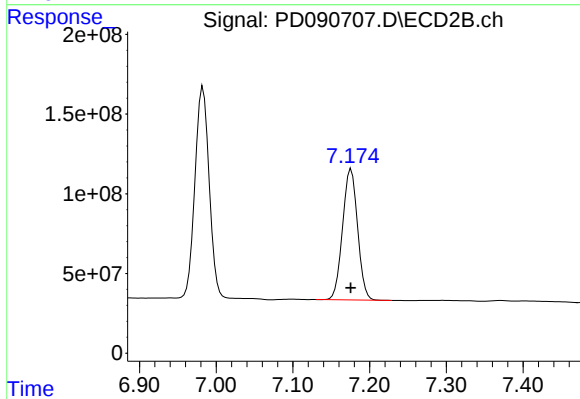
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1713774575
Conc: 45.44 ng/ml



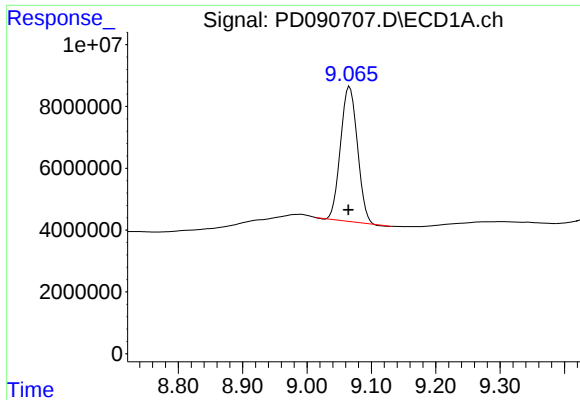
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 142303759
Conc: 44.46 ng/ml



#22 Mirex

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1121174300
Conc: 43.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 79660098
Conc: 17.03 ng/ml

Instrument :

ECD_D

ClientSampleId :

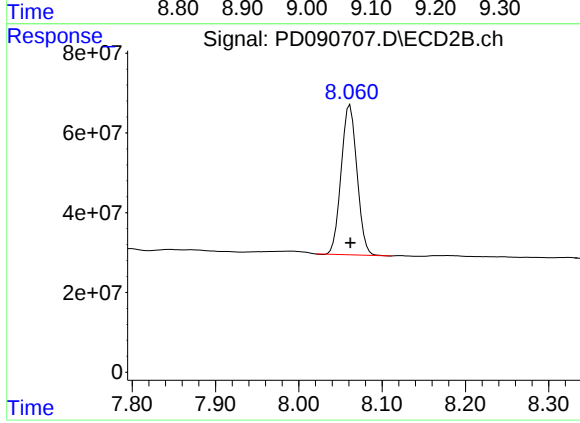
TP-5-WCMS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 495674616
Conc: 16.36 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	TP-5-WCMSD		SDG No.:	Q3375
Lab Sample ID:	Q3374-05MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	93.1
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/20/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	18.1		1	0.14	1.80	ug/kg	10/20/25 18:01	PB170163
319-85-7	beta-BHC	17.5		1	0.19	1.80	ug/kg	10/20/25 18:01	PB170163
319-86-8	delta-BHC	17.9		1	0.42	1.80	ug/kg	10/20/25 18:01	PB170163
58-89-9	gamma-BHC (Lindane)	17.8		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
76-44-8	Heptachlor	18.0		1	0.13	1.80	ug/kg	10/20/25 18:01	PB170163
309-00-2	Aldrin	17.7		1	0.13	1.80	ug/kg	10/20/25 18:01	PB170163
1024-57-3	Heptachlor epoxide	17.5		1	0.20	1.80	ug/kg	10/20/25 18:01	PB170163
959-98-8	Endosulfan I	17.4		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
60-57-1	Dieldrin	17.5		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
72-55-9	4,4-DDE	17.5		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
72-20-8	Endrin	17.6		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
33213-65-9	Endosulfan II	16.7		1	0.31	1.80	ug/kg	10/20/25 18:01	PB170163
72-54-8	4,4-DDD	18.3		1	0.16	1.80	ug/kg	10/20/25 18:01	PB170163
1031-07-8	Endosulfan Sulfate	16.6		1	0.14	1.80	ug/kg	10/20/25 18:01	PB170163
50-29-3	4,4-DDT	17.9		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
72-43-5	Methoxychlor	17.2		1	0.40	1.80	ug/kg	10/20/25 18:01	PB170163
53494-70-5	Endrin ketone	17.0		1	0.20	1.80	ug/kg	10/20/25 18:01	PB170163
7421-93-4	Endrin aldehyde	17.0		1	0.40	1.80	ug/kg	10/20/25 18:01	PB170163
5103-71-9	alpha-Chlordane	17.0		1	0.13	1.80	ug/kg	10/20/25 18:01	PB170163
5103-74-2	gamma-Chlordane	16.9		1	0.16	1.80	ug/kg	10/20/25 18:01	PB170163
8001-35-2	Toxaphene	35.4	U	1	5.80	35.4	ug/kg	10/20/25 18:01	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.6			20 - 144	93%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.7			19 - 148	99%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
 Data File : PD090708.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Oct 2025 18:01
 Operator : AR\AJ
 Sample : Q3374-05MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-5-WCMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 20 23:53:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.874	59026017	587.2E6	18.954m	19.720
28)	SA Decachlor...	9.066	8.061	87153247	514.2E6	18.631	16.975
Target Compounds							
2)	A alpha-BHC	3.994	3.386	363.9E6	2422.4E6	50.704	47.408
3)	MA gamma-BHC...	4.325	3.722	339.1E6	2236.6E6	49.872	47.336
4)	MA Heptachlor	4.923	4.074	281.8E6	2103.4E6	50.413	47.157
5)	MB Aldrin	5.265	4.360	324.6E6	2208.8E6	49.570	47.686
6)	B beta-BHC	4.512	4.018	128.0E6	946.7E6	48.866	47.743
7)	B delta-BHC	4.761	4.254	338.9E6	2252.7E6	50.113	47.211
8)	B Heptachlo...	5.685	4.863	283.7E6	1976.6E6	49.004	46.357m
9)	A Endosulfan I	6.068	5.238	269.6E6	1862.8E6	48.695	47.290
10)	B gamma-Chl...	5.940	5.116	280.6E6	2125.7E6	47.306	47.291
11)	B alpha-Chl...	6.021	5.181	288.5E6	2050.5E6	46.679	47.534
12)	B 4,4'-DDE	6.190	5.366	261.4E6	2065.8E6	49.076	47.124
13)	MA Dieldrin	6.341	5.504	286.2E6	2089.2E6	49.086	47.284
14)	MA Endrin	6.568	5.779	244.5E6	1931.4E6	49.361	47.697m
15)	B Endosulfa...	6.783	6.072	191.2E6	1761.0E6	38.243	46.890
16)	A 4,4'-DDD	6.700	5.921	207.3E6	1588.8E6	51.124	43.604
17)	MA 4,4'-DDT	7.016	6.174	206.4E6	1696.9E6	50.210	48.381
18)	B Endrin al...	6.909	6.250	173.8E6	1291.9E6	47.458m	46.651
19)	B Endosulfa...	7.145	6.473	216.1E6	1649.5E6	46.602	46.017
20)	A Methoxychlor	7.489	6.745	102.4E6	815.4E6	48.164	46.786
21)	B Endrin ke...	7.626	6.983	231.8E6	1743.5E6	47.712	46.224
22)	Mirex	8.108	7.175	143.0E6	1133.1E6	44.683	44.104

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102025\
Data File : PD090708.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 18:01
Operator : AR\AJ
Sample : Q3374-05MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-5-WCMSD

Manual Integrations

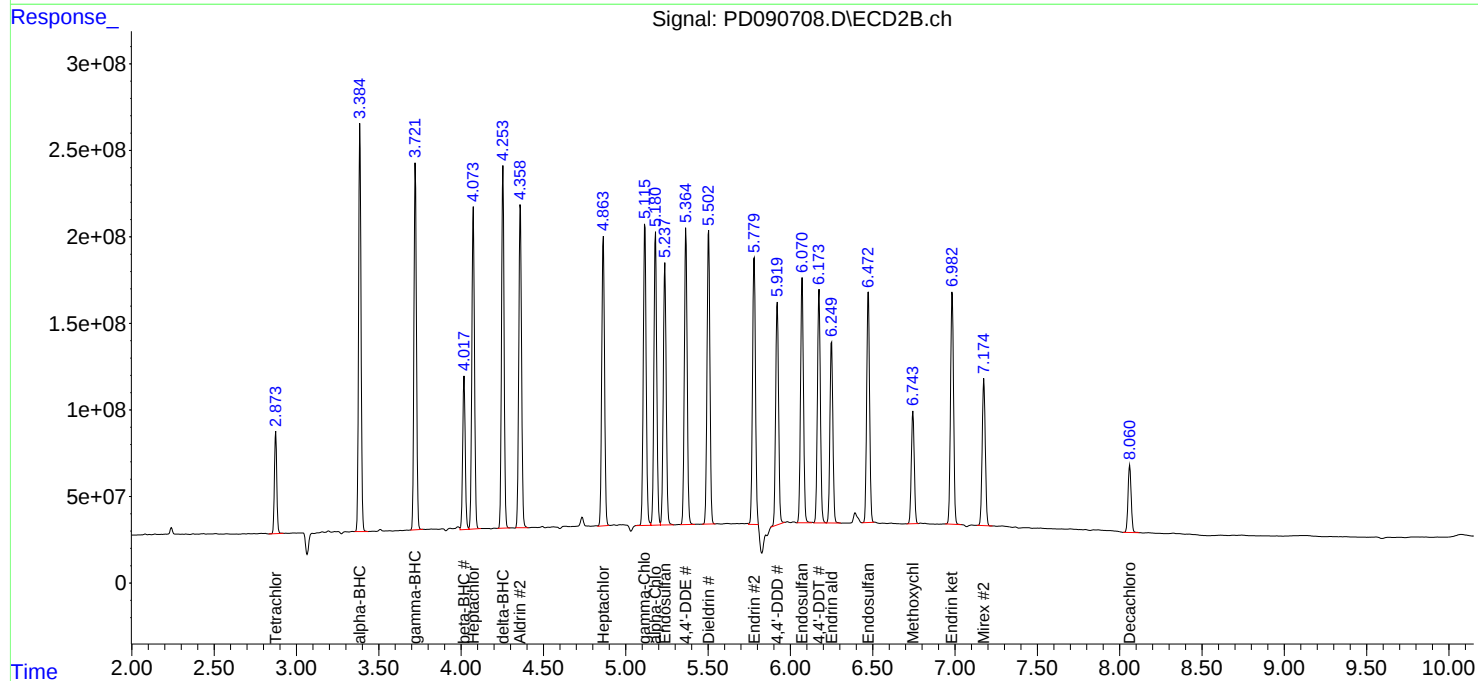
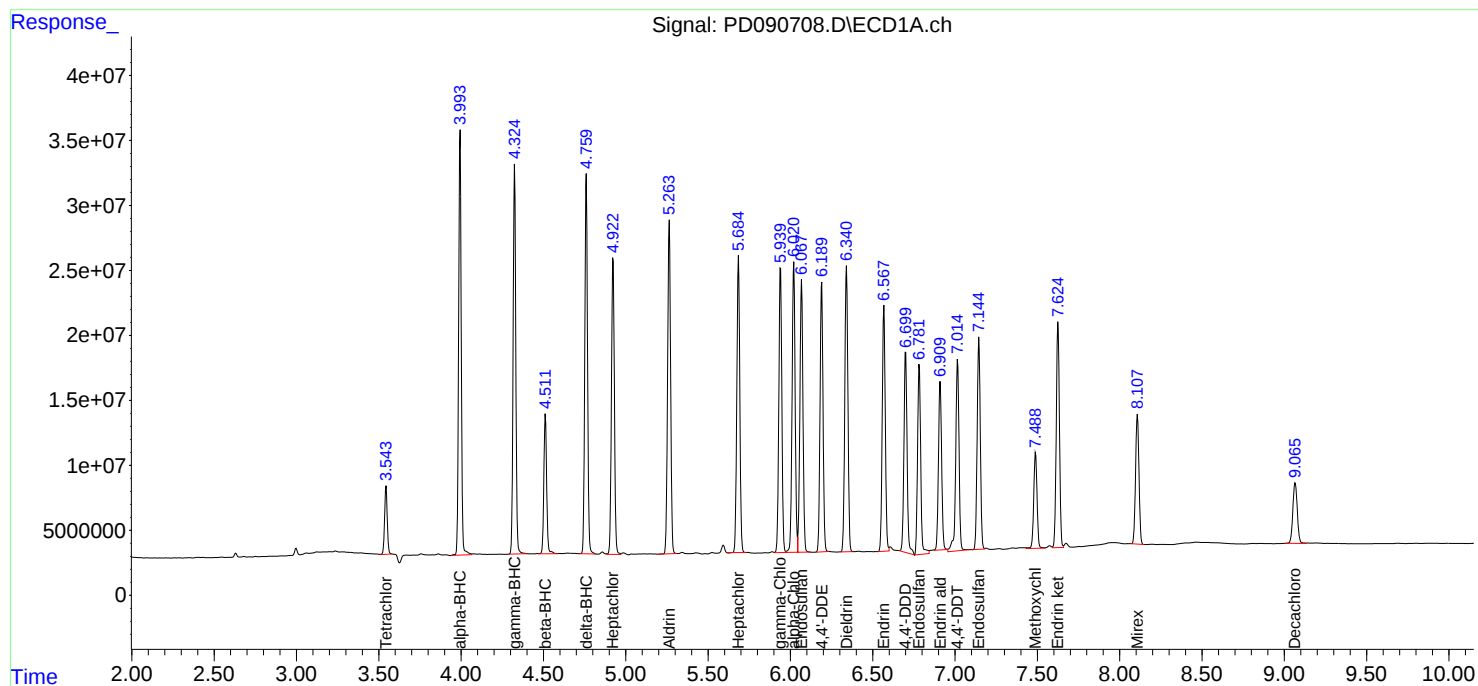
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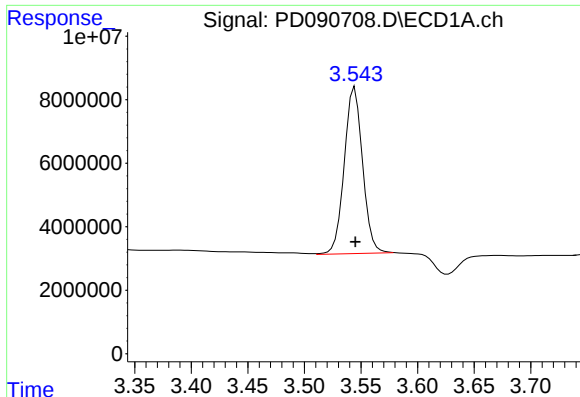
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Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





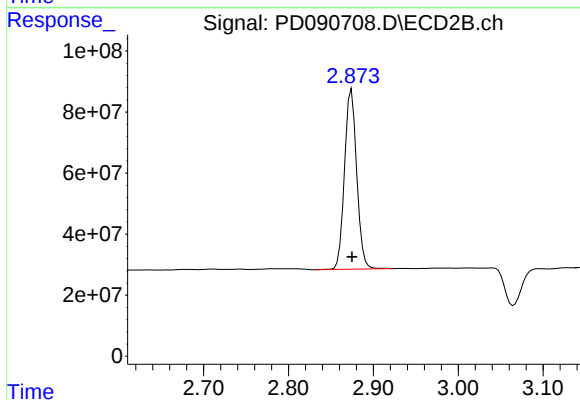
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 59026017
Conc: 18.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

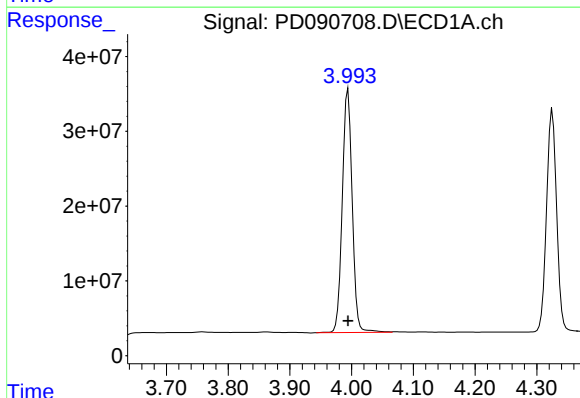
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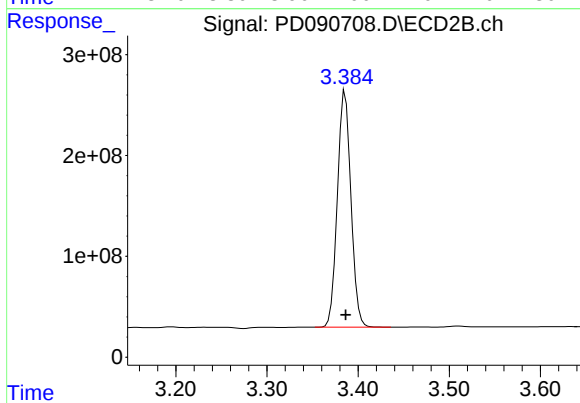
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 587202447
Conc: 19.72 ng/ml



#2 alpha-BHC

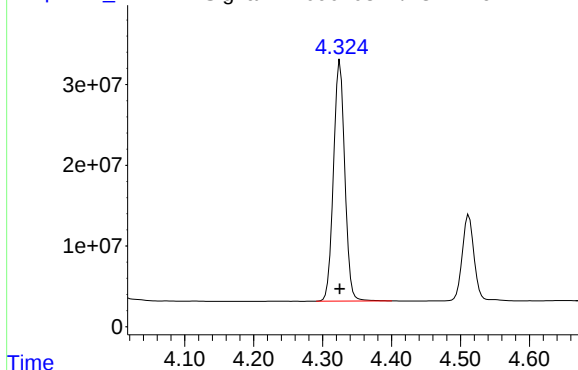
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 363909690
Conc: 50.70 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2422359958
Conc: 47.41 ng/ml

Response_ Signal: PD090708.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 339067609
Conc: 49.87 ng/ml

Instrument :

ECD_D

ClientSampleId :

TP-5-WCMSD

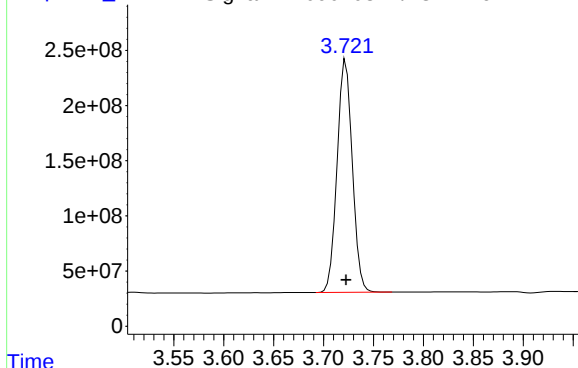
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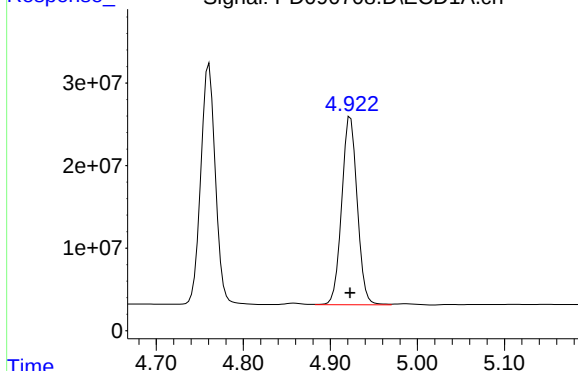
Response_ Signal: PD090708.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2236575689
Conc: 47.34 ng/ml

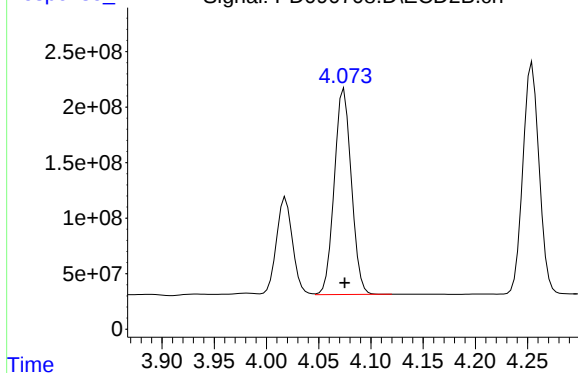
Response_ Signal: PD090708.D\ECD1A.ch



#4 Heptachlor

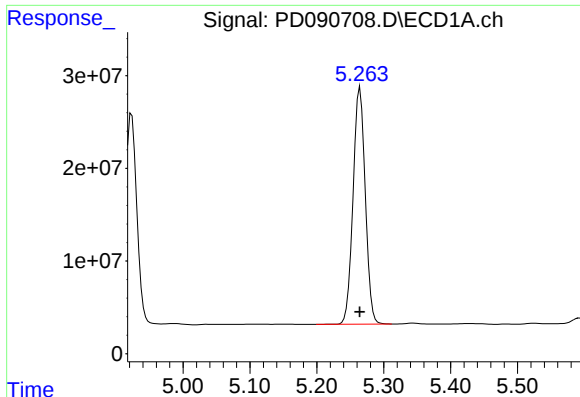
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 281789119
Conc: 50.41 ng/ml

Response_ Signal: PD090708.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2103356370
Conc: 47.16 ng/ml



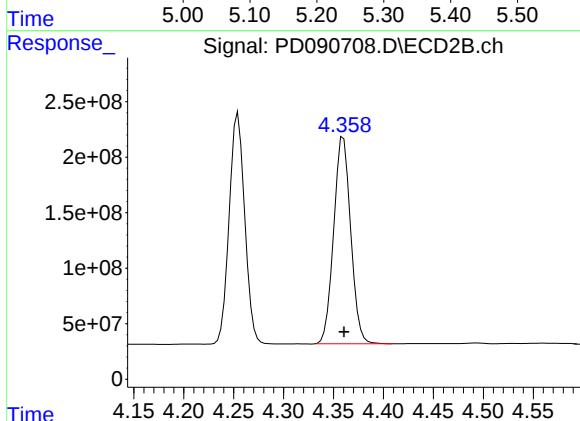
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 324551133
Conc: 49.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

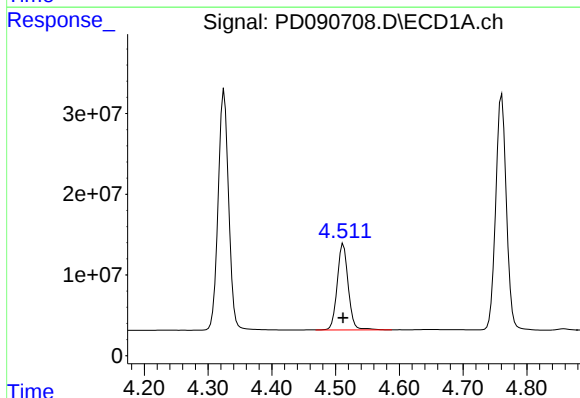
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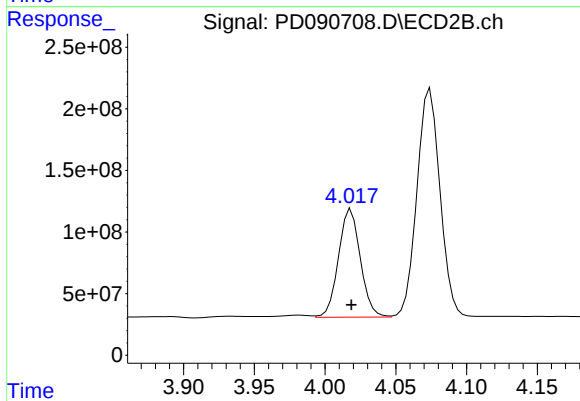
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2208784386
Conc: 47.69 ng/ml



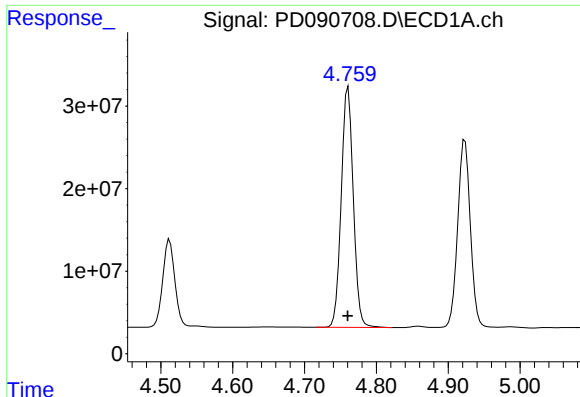
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 128011394
Conc: 48.87 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 946728210
Conc: 47.74 ng/ml



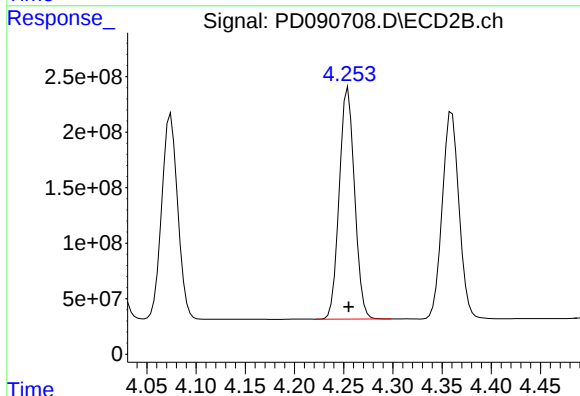
#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 338852576
Conc: 50.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

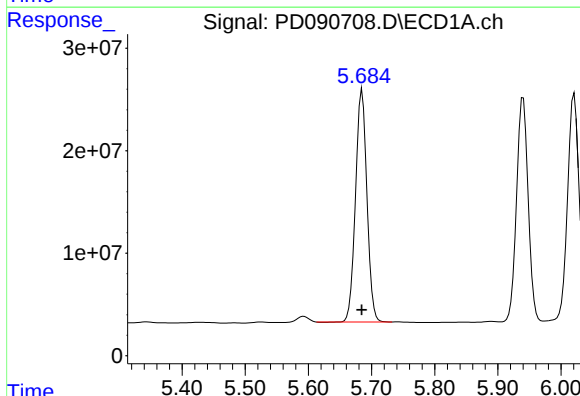
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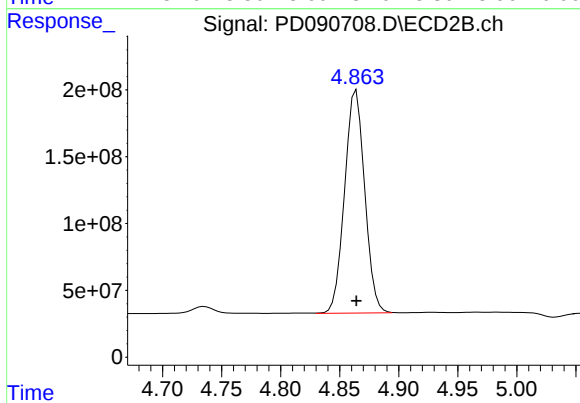
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 2252727177
Conc: 47.21 ng/ml



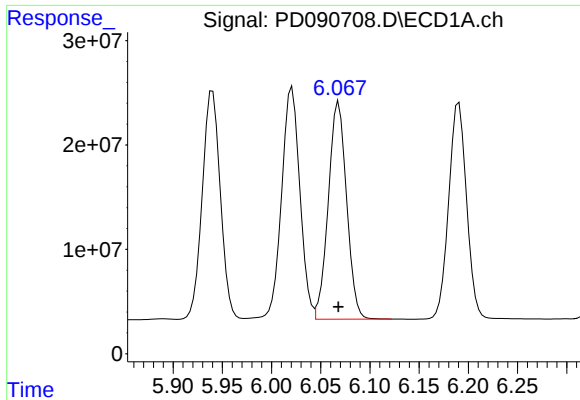
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 283688050
Conc: 49.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.001 min
Response: 1976614251
Conc: 46.36 ng/ml m



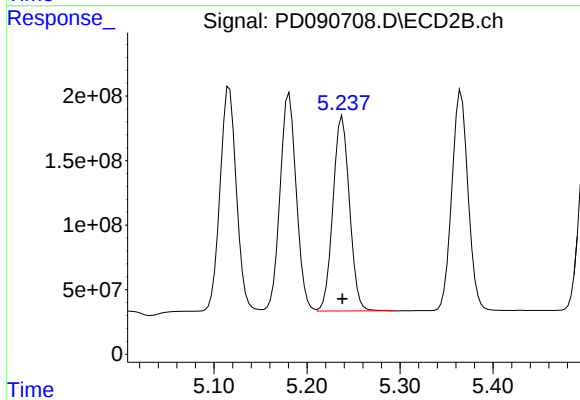
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 269605544
Conc: 48.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

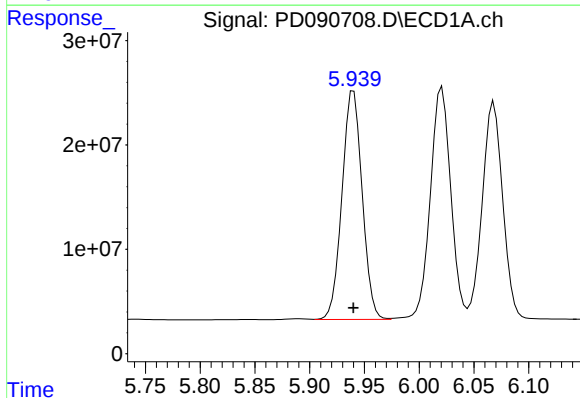
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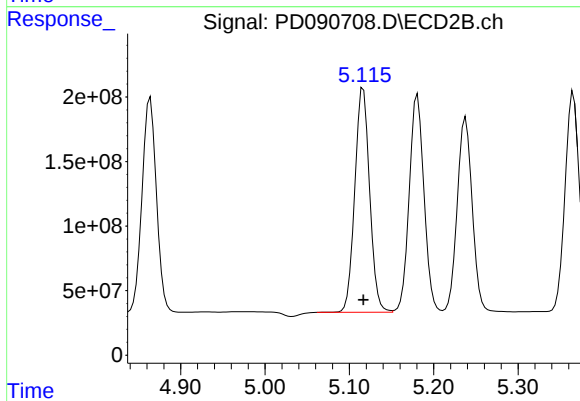
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1862768968
Conc: 47.29 ng/ml



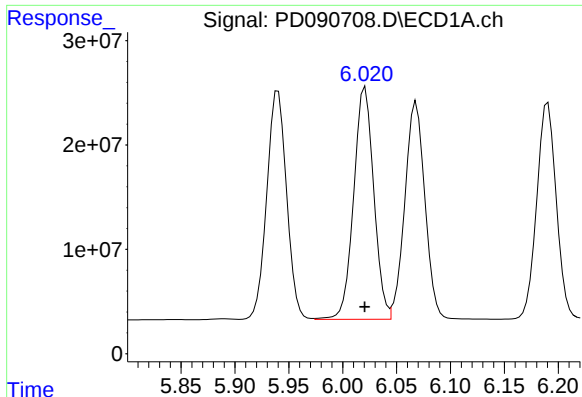
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 280583023
Conc: 47.31 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2125693107
Conc: 47.29 ng/ml



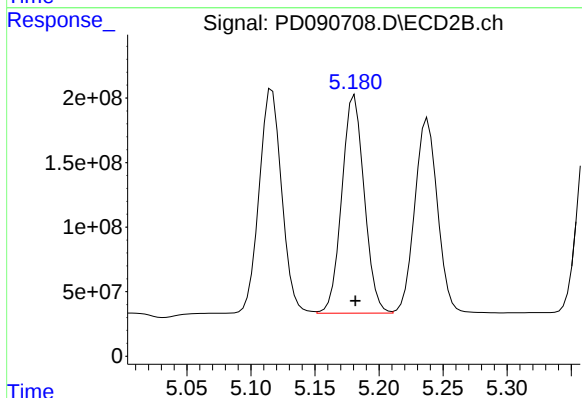
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 288488472
Conc: 46.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

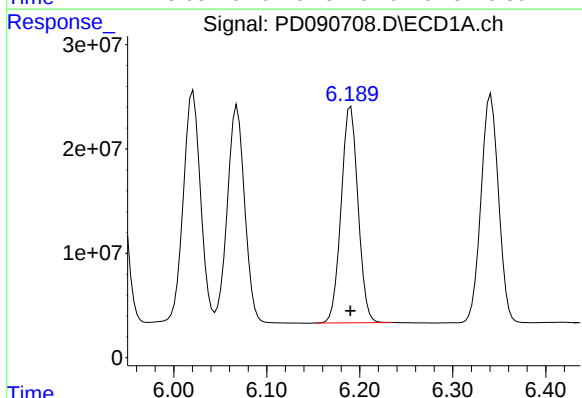
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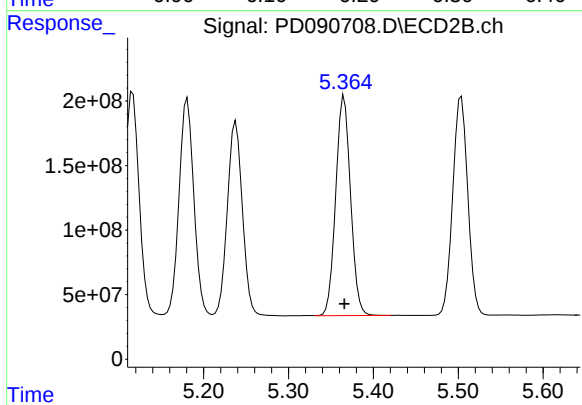
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2050519855
Conc: 47.53 ng/ml



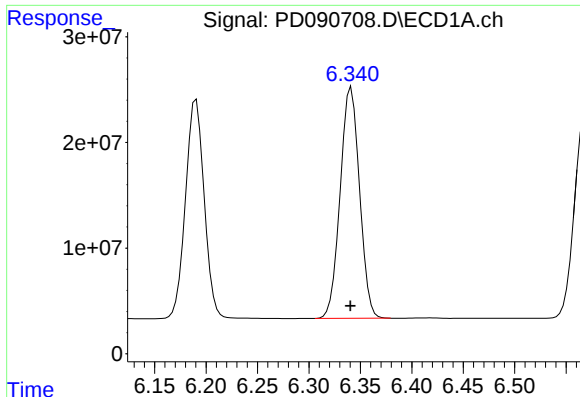
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 261410603
Conc: 49.08 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2065840626
Conc: 47.12 ng/ml



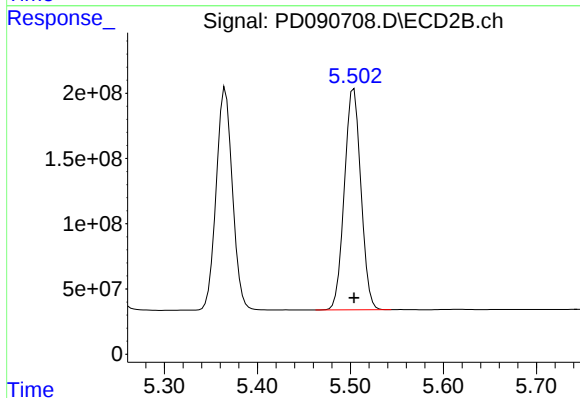
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 286234742
Conc: 49.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

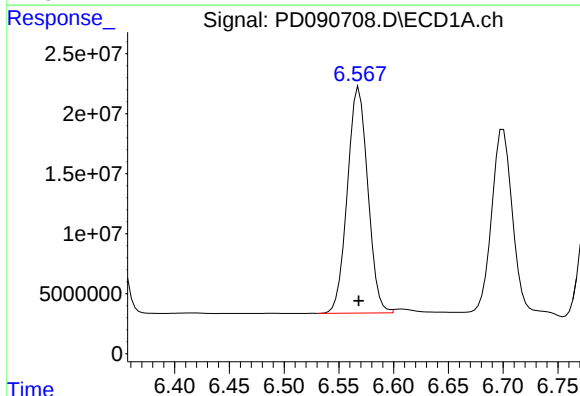
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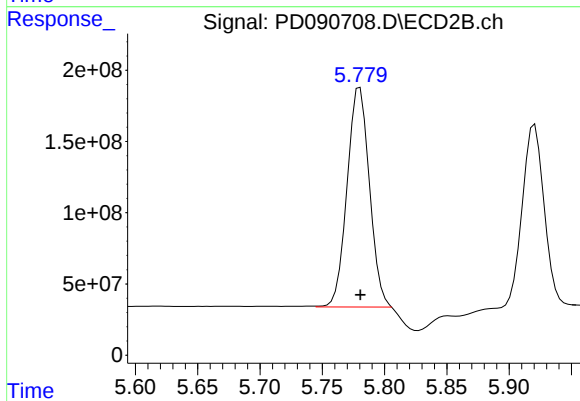
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2089198219
Conc: 47.28 ng/ml



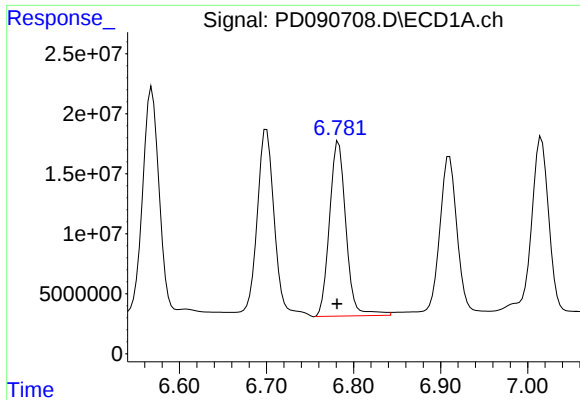
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 244519028
Conc: 49.36 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 1931440472
Conc: 47.70 ng/ml m



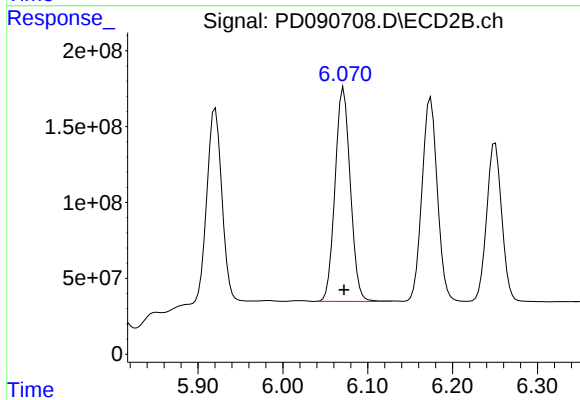
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.002 min
Response: 191211579
Conc: 38.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

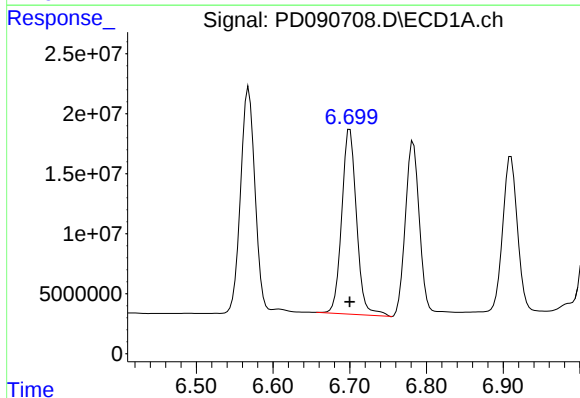
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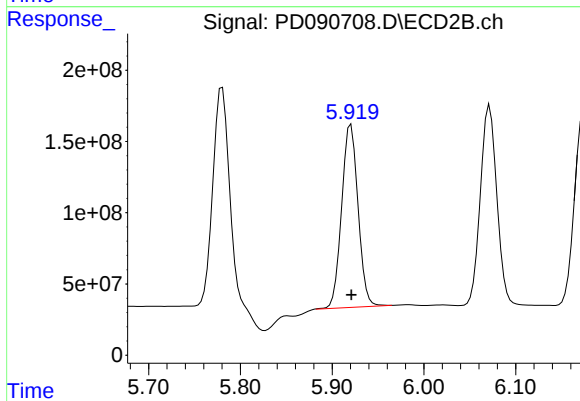
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1760982774
Conc: 46.89 ng/ml



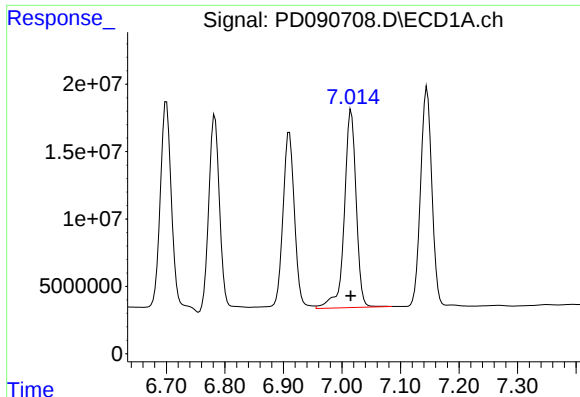
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 207267254
Conc: 51.12 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1588846450
Conc: 43.60 ng/ml



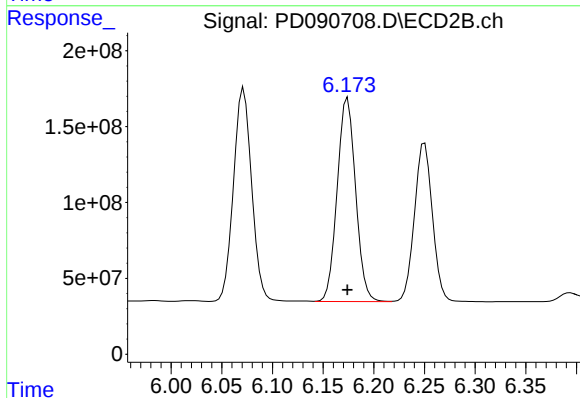
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 206387319
Conc: 50.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

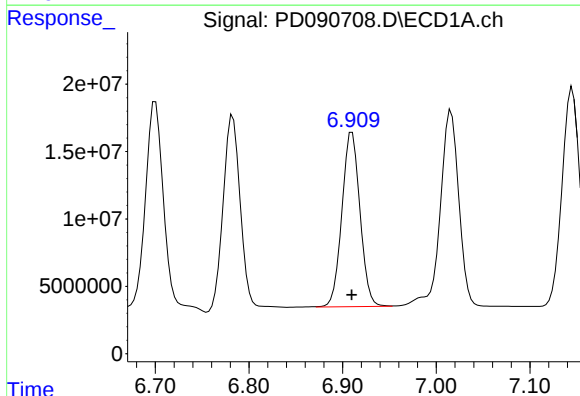
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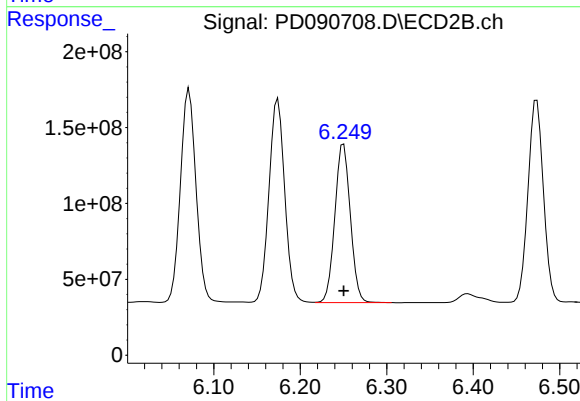
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1696854686
Conc: 48.38 ng/ml



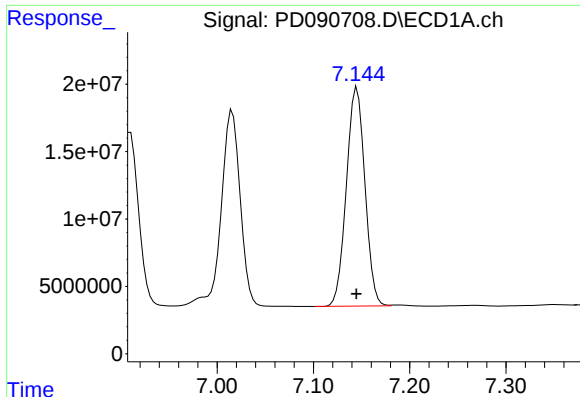
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.001 min
Response: 173823104
Conc: 47.46 ng/ml m



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1291907146
Conc: 46.65 ng/ml



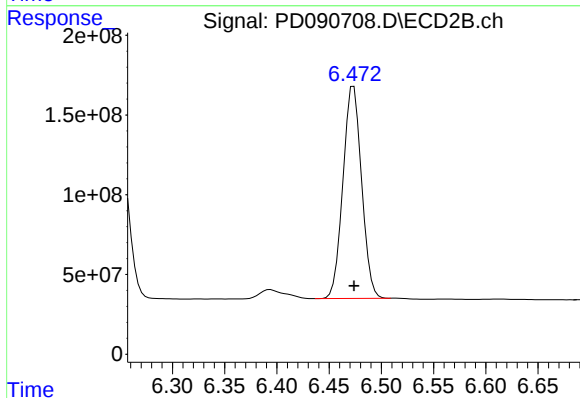
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 216147157
Conc: 46.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

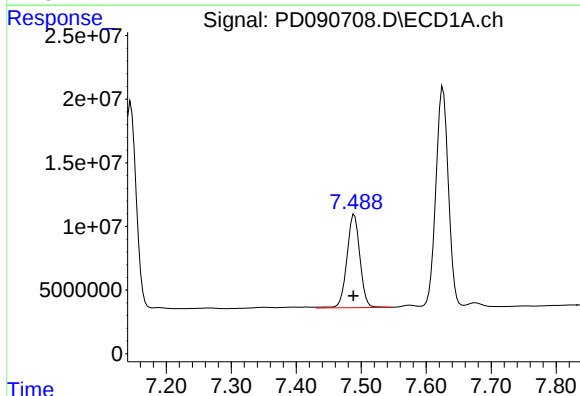
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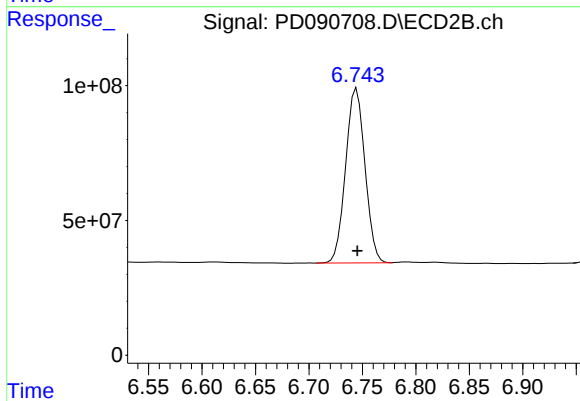
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1649477249
Conc: 46.02 ng/ml



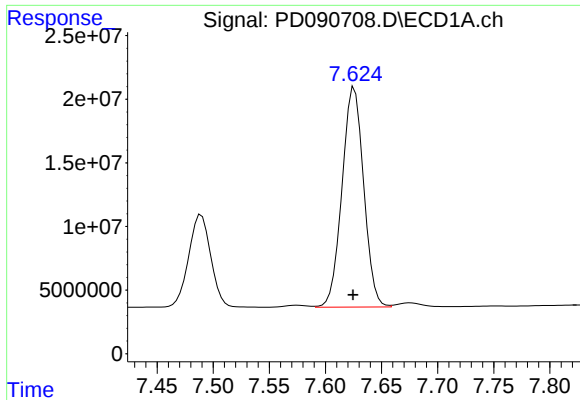
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.001 min
Response: 102376397
Conc: 48.16 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 815377889
Conc: 46.79 ng/ml



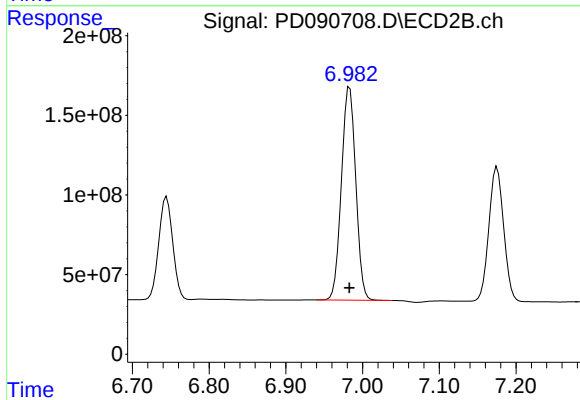
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 231826247
Conc: 47.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

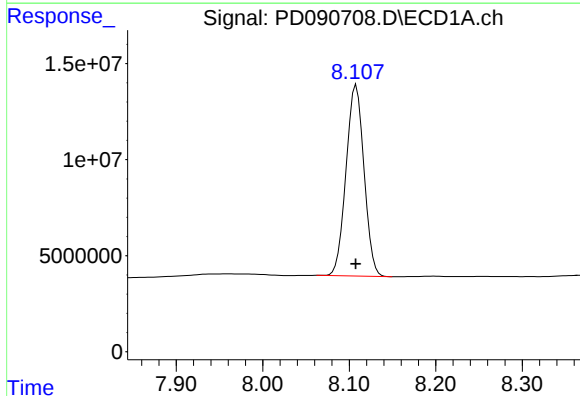
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



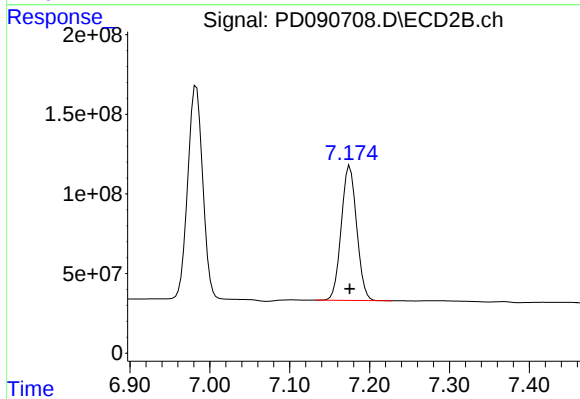
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1743455792
Conc: 46.22 ng/ml



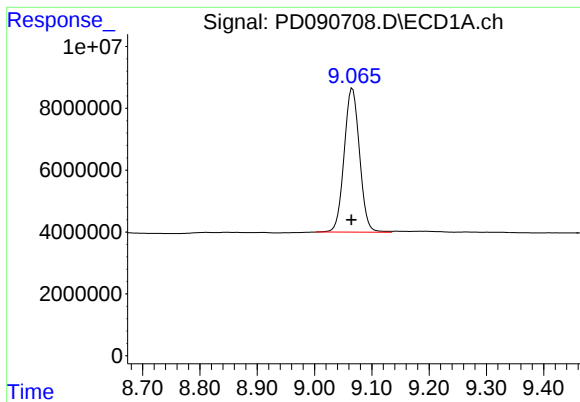
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 143025034
Conc: 44.68 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1133070806
Conc: 44.10 ng/ml



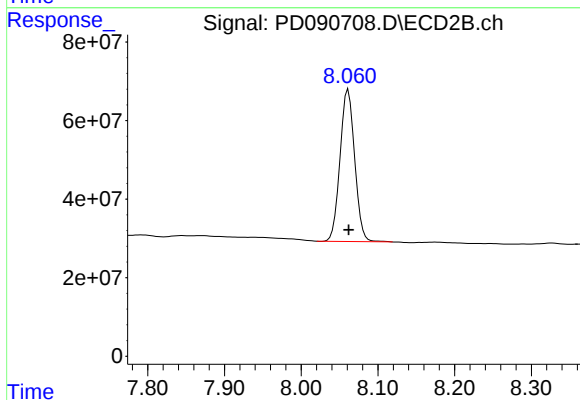
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 87153247
Conc: 18.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5-WCMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 514207721
Conc: 16.98 ng/ml

Manual Integration Report

Sequence:	pd101725	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090648.D	Endrin aldehyde	Abdul	10/19/2025 5:20:46 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090648.D	Endrin ketone #2	Abdul	10/19/2025 5:20:46 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
RESCHK	PD090649.D	Tetrachloro-m-xylene	Abdul	10/19/2025 5:20:37 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	alpha-Chlordane	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	Endrin ketone	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	Tetrachloro-m-xylene	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PTOXICV500	PD090667.D	Toxaphene-5 #2	Abdul	10/21/2025 8:49:16 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	4,4"-DDD	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	4,4"-DDD #2	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	Endrin aldehyde	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software

Manual Integration Report

Sequence:	pd102025	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090691.D	4,4"-DDD	Abdul	10/21/2025 8:52:25 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
PEM	PD090691.D	Endrin aldehyde	Abdul	10/21/2025 8:52:25 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
PSTDCCC050	PD090692.D	beta-BHC	Abdul	10/21/2025 8:52:12 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
PSTDCCC050	PD090692.D	Heptachlor epoxide	Abdul	10/21/2025 8:52:12 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
PB170163BS	PD090694.D	Heptachlor	Abdul	10/21/2025 8:52:09 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
PB170163BS	PD090694.D	Heptachlor epoxide	Abdul	10/21/2025 8:52:09 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3374-05MS	PD090707.D	Endrin #2	Abdul	10/21/2025 8:51:18 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3374-05MS	PD090707.D	Endrin aldehyde	Abdul	10/21/2025 8:51:18 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3374-05MS	PD090707.D	Heptachlor epoxide #2	Abdul	10/21/2025 8:51:18 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3374-05MS	PD090707.D	Tetrachloro-m-xylene	Abdul	10/21/2025 8:51:18 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3374-05MSD	PD090708.D	Endrin #2	Abdul	10/21/2025 8:51:15 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3374-05MSD	PD090708.D	Endrin aldehyde	Abdul	10/21/2025 8:51:15 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3374-05MSD	PD090708.D	Heptachlor epoxide #2	Abdul	10/21/2025 8:51:15 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software

Manual Integration Report

Sequence:	pd102025	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3374-05MSD	PD090708.D	Tetrachloro-m-xylene	Abdul	10/21/2025 8:51:15 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
PEM	PD090712.D	4,4"-DDD	Abdul	10/21/2025 8:51:11 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
PEM	PD090712.D	Endrin aldehyde	Abdul	10/21/2025 8:51:11 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-01	PD090714.D	Tetrachloro-m-xylene	Abdul	10/21/2025 8:51:08 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-02	PD090715.D	Tetrachloro-m-xylene	Abdul	10/21/2025 8:51:05 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-03	PD090716.D	4,4"-DDD	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-03	PD090716.D	4,4"-DDD #2	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-03	PD090716.D	alpha-Chlordane	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-03	PD090716.D	alpha-Chlordane #2	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-03	PD090716.D	Dieldrin	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-03	PD090716.D	Dieldrin #2	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-03	PD090716.D	gamma-Chlordane	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-03	PD090716.D	gamma-Chlordane #2	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software

Manual Integration Report

Sequence:	pd102025	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3375-03	PD090716.D	Tetrachloro-m-xylene	Abdul	10/21/2025 8:51:02 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-04	PD090717.D	Tetrachloro-m-xylene	Abdul	10/21/2025 8:50:59 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-05	PD090718.D	4,4"-DDD	Abdul	10/21/2025 8:50:54 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-05	PD090718.D	4,4"-DDD #2	Abdul	10/21/2025 8:50:54 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-05	PD090718.D	alpha-Chlordane #2	Abdul	10/21/2025 8:50:54 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-05	PD090718.D	Dieldrin	Abdul	10/21/2025 8:50:54 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-05	PD090718.D	Dieldrin #2	Abdul	10/21/2025 8:50:54 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-05	PD090718.D	gamma-Chlordane	Abdul	10/21/2025 8:50:54 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-05	PD090718.D	gamma-Chlordane #2	Abdul	10/21/2025 8:50:54 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
Q3375-05	PD090718.D	Tetrachloro-m-xylene	Abdul	10/21/2025 8:50:54 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software
PSTDCCC050	PD090720.D	Heptachlor epoxide	Abdul	10/21/2025 8:52:35 AM	mohammad	10/24/2025 1:05:57	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090646.D	17 Oct 2025 10:40	AR\AJ	Ok
2	I.BLK	PD090647.D	17 Oct 2025 10:53	AR\AJ	Ok
3	PEM	PD090648.D	17 Oct 2025 11:07	AR\AJ	Ok,M
4	RESCHK	PD090649.D	17 Oct 2025 11:20	AR\AJ	Ok,M
5	PSTDICC100	PD090650.D	17 Oct 2025 11:34	AR\AJ	Ok
6	PSTDICC075	PD090651.D	17 Oct 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PD090652.D	17 Oct 2025 12:01	AR\AJ	Ok
8	PSTDICC025	PD090653.D	17 Oct 2025 12:15	AR\AJ	Ok
9	PSTDICC005	PD090654.D	17 Oct 2025 12:28	AR\AJ	Ok,M
10	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PD090656.D	17 Oct 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PD090657.D	17 Oct 2025 13:09	AR\AJ	Ok
13	PCHLORICC250	PD090658.D	17 Oct 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PD090659.D	17 Oct 2025 13:36	AR\AJ	Ok,M
15	PTOXICC1000	PD090660.D	17 Oct 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PD090661.D	17 Oct 2025 14:03	AR\AJ	Ok
17	PTOXICC500	PD090662.D	17 Oct 2025 14:17	AR\AJ	Ok
18	PTOXICC250	PD090663.D	17 Oct 2025 14:30	AR\AJ	Ok
19	PTOXICC100	PD090664.D	17 Oct 2025 16:18	AR\AJ	Ok
20	PSTDICV050	PD090665.D	17 Oct 2025 16:46	AR\AJ	Ok
21	PCHLORICV500	PD090666.D	17 Oct 2025 17:50	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD090667.D	17 Oct 2025 18:42	AR\AJ	Ok,M
23	I.BLK	PD090668.D	17 Oct 2025 19:50	AR\AJ	Ok
24	PEM	PD090669.D	17 Oct 2025 20:04	AR\AJ	Ok,M
25	PSTDCCC050	PD090670.D	17 Oct 2025 20:18	AR\AJ	Ok
26	PB170142BL	PD090671.D	17 Oct 2025 20:31	AR\AJ	Ok
27	PB170142BS	PD090672.D	17 Oct 2025 20:45	AR\AJ	Ok
28	Q3366-01	PD090673.D	17 Oct 2025 20:59	AR\AJ	Ok,M
29	Q3366-03	PD090674.D	17 Oct 2025 21:12	AR\AJ	Ok,M
30	Q3367-01	PD090675.D	17 Oct 2025 21:26	AR\AJ	Ok,M
31	Q3369-01	PD090676.D	17 Oct 2025 21:40	AR\AJ	Ok,M
32	Q3369-05	PD090677.D	17 Oct 2025 21:53	AR\AJ	Ok,M
33	Q3363-01	PD090678.D	17 Oct 2025 22:48	AR\AJ	Ok,M
34	Q3363-02	PD090679.D	17 Oct 2025 23:02	AR\AJ	Ok,M
35	Q3363-03	PD090680.D	17 Oct 2025 23:15	AR\AJ	Ok,M
36	Q3363-04	PD090681.D	17 Oct 2025 23:29	AR\AJ	Ok,M
37	Q3363-04MS	PD090682.D	17 Oct 2025 23:43	AR\AJ	Ok,M
38	Q3363-04MSD	PD090683.D	17 Oct 2025 23:56	AR\AJ	Ok,M
39	Q3363-05	PD090684.D	18 Oct 2025 00:10	AR\AJ	Ok,M
40	Q3343-04MS	PD090685.D	18 Oct 2025 00:24	AR\AJ	Ok,M
41	Q3343-04MSD	PD090686.D	18 Oct 2025 00:37	AR\AJ	Ok
42	I.BLK	PD090687.D	18 Oct 2025 00:51	AR\AJ	Ok
43	PSTDCCC050	PD090688.D	18 Oct 2025 02:13	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102025

Review By	Abdul	Review On	10/21/2025 8:53:08 AM
Supervise By	mohammad	Supervise On	10/24/2025 1:05:58 AM
SubDirectory	PD102025	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090689.D	20 Oct 2025 09:51	AR\AJ	Ok
2	I.BLK	PD090690.D	20 Oct 2025 10:04	AR\AJ	Ok
3	PEM	PD090691.D	20 Oct 2025 10:18	AR\AJ	Ok,M
4	PSTDCCC050	PD090692.D	20 Oct 2025 10:54	AR\AJ	Ok,M
5	PB170163BL	PD090693.D	20 Oct 2025 13:25	AR\AJ	Ok
6	PB170163BS	PD090694.D	20 Oct 2025 14:12	AR\AJ	Ok,M
7	Q3390-03	PD090695.D	20 Oct 2025 14:33	AR\AJ	Ok
8	Q3386-01	PD090696.D	20 Oct 2025 14:47	AR\AJ	Ok,M
9	Q3381-01	PD090697.D	20 Oct 2025 15:00	AR\AJ	Ok,M
10	Q3381-03	PD090698.D	20 Oct 2025 15:14	AR\AJ	Ok,M
11	Q3381-05	PD090699.D	20 Oct 2025 15:28	AR\AJ	Ok,M
12	Q3381-07	PD090700.D	20 Oct 2025 15:41	AR\AJ	Ok,M
13	Q3382-01	PD090701.D	20 Oct 2025 15:55	AR\AJ	Ok,M
14	Q3383-01	PD090702.D	20 Oct 2025 16:09	AR\AJ	Ok,M
15	I.BLK	PD090703.D	20 Oct 2025 16:22	AR\AJ	Ok
16	PSTDCCC050	PD090704.D	20 Oct 2025 16:52	AR\AJ	Ok
17	Q3374-01	PD090705.D	20 Oct 2025 17:20	AR\AJ	Ok,M
18	Q3374-05	PD090706.D	20 Oct 2025 17:33	AR\AJ	Ok,M
19	Q3374-05MS	PD090707.D	20 Oct 2025 17:47	AR\AJ	Ok,M
20	Q3374-05MSD	PD090708.D	20 Oct 2025 18:01	AR\AJ	Ok,M
21	Q3392-01	PD090709.D	20 Oct 2025 18:14	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102025

Review By	Abdul	Review On	10/21/2025 8:53:08 AM
Supervise By	mohammad	Supervise On	10/24/2025 1:05:58 AM
SubDirectory	PD102025	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3392-05	PD090710.D	20 Oct 2025 18:28	AR\AJ	Ok
23	I.BLK	PD090711.D	20 Oct 2025 18:42	AR\AJ	Ok
24	PEM	PD090712.D	20 Oct 2025 18:55	AR\AJ	Ok,M
25	PSTDCCC050	PD090713.D	20 Oct 2025 19:09	AR\AJ	Ok
26	Q3375-01	PD090714.D	20 Oct 2025 19:50	AR\AJ	Ok,M
27	Q3375-02	PD090715.D	20 Oct 2025 20:04	AR\AJ	Ok,M
28	Q3375-03	PD090716.D	20 Oct 2025 20:17	AR\AJ	Ok,M
29	Q3375-04	PD090717.D	20 Oct 2025 20:31	AR\AJ	Ok,M
30	Q3375-05	PD090718.D	20 Oct 2025 20:44	AR\AJ	Ok,M
31	I.BLK	PD090719.D	20 Oct 2025 20:58	AR\AJ	Ok
32	PSTDCCC050	PD090720.D	20 Oct 2025 21:12	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090646.D	17 Oct 2025 10:40		AR\AJ	Ok
2	I.BLK	I.BLK	PD090647.D	17 Oct 2025 10:53		AR\AJ	Ok
3	PEM	PEM	PD090648.D	17 Oct 2025 11:07		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090649.D	17 Oct 2025 11:20		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PD090650.D	17 Oct 2025 11:34		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090651.D	17 Oct 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090652.D	17 Oct 2025 12:01		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090653.D	17 Oct 2025 12:15		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090654.D	17 Oct 2025 12:28		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090656.D	17 Oct 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090657.D	17 Oct 2025 13:09		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090658.D	17 Oct 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090659.D	17 Oct 2025 13:36		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090660.D	17 Oct 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090661.D	17 Oct 2025 14:03		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090662.D	17 Oct 2025 14:17		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090663.D	17 Oct 2025 14:30		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD090664.D	17 Oct 2025 16:18		AR\AJ	Ok
20	PSTDICV050	ICVPD101725	PD090665.D	17 Oct 2025 16:46		AR\AJ	Ok
21	PCHLORICV500	ICVPD101725CHLOR	PD090666.D	17 Oct 2025 17:50		AR\AJ	Ok
22	PTOXICV500	ICVPD101725TOX	PD090667.D	17 Oct 2025 18:42		AR\AJ	Ok,M
23	I.BLK	I.BLK	PD090668.D	17 Oct 2025 19:50		AR\AJ	Ok
24	PEM	PEM	PD090669.D	17 Oct 2025 20:04		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD090670.D	17 Oct 2025 20:18		AR\AJ	Ok
26	PB170142BL	PB170142BL	PD090671.D	17 Oct 2025 20:31		AR\AJ	Ok
27	PB170142BS	PB170142BS	PD090672.D	17 Oct 2025 20:45		AR\AJ	Ok
28	Q3366-01	TR-06-101625	PD090673.D	17 Oct 2025 20:59		AR\AJ	Ok,M
29	Q3366-03	TR-1-101625	PD090674.D	17 Oct 2025 21:12		AR\AJ	Ok,M
30	Q3367-01	BU-03-101625	PD090675.D	17 Oct 2025 21:26		AR\AJ	Ok,M
31	Q3369-01	MH-22	PD090676.D	17 Oct 2025 21:40		AR\AJ	Ok,M
32	Q3369-05	MH-21	PD090677.D	17 Oct 2025 21:53		AR\AJ	Ok,M
33	Q3363-01	PR132-SO1-085011-20	PD090678.D	17 Oct 2025 22:48		AR\AJ	Ok,M
34	Q3363-02	PR132-SO1-039085-20	PD090679.D	17 Oct 2025 23:02		AR\AJ	Ok,M
35	Q3363-03	PR132-SO3-028010-20	PD090680.D	17 Oct 2025 23:15		AR\AJ	Ok,M
36	Q3363-04	PR132-SO3-010013-20	PD090681.D	17 Oct 2025 23:29		AR\AJ	Ok,M
37	Q3363-04MS	PR132-SO3-010013-20	PD090682.D	17 Oct 2025 23:43		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q3363-04MSD	PR132-SO3-010013-20	PD090683.D	17 Oct 2025 23:56		AR\AJ	Ok,M
39	Q3363-05	COMP01-20251015	PD090684.D	18 Oct 2025 00:10		AR\AJ	Ok,M
40	Q3343-04MS	SOIL-ROLLOFF-WC-11	PD090685.D	18 Oct 2025 00:24		AR\AJ	Ok,M
41	Q3343-04MSD	SOIL-ROLLOFF-WC-11	PD090686.D	18 Oct 2025 00:37		AR\AJ	Ok
42	I.BLK	I.BLK	PD090687.D	18 Oct 2025 00:51		AR\AJ	Ok
43	PSTDCCC050	PSTDCCC050	PD090688.D	18 Oct 2025 02:13		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102025

Review By	Abdul	Review On	10/21/2025 8:53:08 AM
Supervise By	mohammad	Supervise On	10/24/2025 1:05:58 AM
SubDirectory	PD102025	HP Acquire Method	HP Processing Method pd101725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090689.D	20 Oct 2025 09:51		AR\AJ	Ok
2	I.BLK	I.BLK	PD090690.D	20 Oct 2025 10:04		AR\AJ	Ok
3	PEM	PEM	PD090691.D	20 Oct 2025 10:18		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090692.D	20 Oct 2025 10:54		AR\AJ	Ok,M
5	PB170163BL	PB170163BL	PD090693.D	20 Oct 2025 13:25		AR\AJ	Ok
6	PB170163BS	PB170163BS	PD090694.D	20 Oct 2025 14:12		AR\AJ	Ok,M
7	Q3390-03	340	PD090695.D	20 Oct 2025 14:33		AR\AJ	Ok
8	Q3386-01	237	PD090696.D	20 Oct 2025 14:47		AR\AJ	Ok,M
9	Q3381-01	VNJ-222	PD090697.D	20 Oct 2025 15:00		AR\AJ	Ok,M
10	Q3381-03	VNJ-245	PD090698.D	20 Oct 2025 15:14		AR\AJ	Ok,M
11	Q3381-05	RBR200059	PD090699.D	20 Oct 2025 15:28		AR\AJ	Ok,M
12	Q3381-07	VNJ-255	PD090700.D	20 Oct 2025 15:41		AR\AJ	Ok,M
13	Q3382-01	CENTRAL-AVE-TP	PD090701.D	20 Oct 2025 15:55		AR\AJ	Ok,M
14	Q3383-01	OR-03-101725	PD090702.D	20 Oct 2025 16:09		AR\AJ	Ok,M
15	I.BLK	I.BLK	PD090703.D	20 Oct 2025 16:22		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD090704.D	20 Oct 2025 16:52		AR\AJ	Ok
17	Q3374-01	TP-4-WC	PD090705.D	20 Oct 2025 17:20		AR\AJ	Ok,M
18	Q3374-05	TP-5-WC	PD090706.D	20 Oct 2025 17:33		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102025

Review By	Abdul	Review On	10/21/2025 8:53:08 AM
Supervise By	mohammad	Supervise On	10/24/2025 1:05:58 AM
SubDirectory	PD102025	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3374-05MS	TP-5-WCMS	PD090707.D	20 Oct 2025 17:47		AR\AJ	Ok,M
20	Q3374-05MSD	TP-5-WCMSD	PD090708.D	20 Oct 2025 18:01		AR\AJ	Ok,M
21	Q3392-01	MH-20	PD090709.D	20 Oct 2025 18:14		AR\AJ	Ok
22	Q3392-05	MH-19	PD090710.D	20 Oct 2025 18:28		AR\AJ	Ok
23	I.BLK	I.BLK	PD090711.D	20 Oct 2025 18:42		AR\AJ	Ok
24	PEM	PEM	PD090712.D	20 Oct 2025 18:55		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD090713.D	20 Oct 2025 19:09		AR\AJ	Ok
26	Q3375-01	PR132-S02-074099-20	PD090714.D	20 Oct 2025 19:50		AR\AJ	Ok,M
27	Q3375-02	PR132-S04-000013-20	PD090715.D	20 Oct 2025 20:04		AR\AJ	Ok,M
28	Q3375-03	PR132-S05-000057-20	PD090716.D	20 Oct 2025 20:17		AR\AJ	Ok,M
29	Q3375-04	PR132-S02-010074-20	PD090717.D	20 Oct 2025 20:31		AR\AJ	Ok,M
30	Q3375-05	PR132-DP02-20251016	PD090718.D	20 Oct 2025 20:44		AR\AJ	Ok,M
31	I.BLK	I.BLK	PD090719.D	20 Oct 2025 20:58		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PD090720.D	20 Oct 2025 21:12		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB137576

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3373-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3373-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3373-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3373-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3373-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3373-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3374-01	TP-4-WC	7	1.15	10.69	11.84	10.25	85.1	
Q3374-02	TP-4-WC-EPH	8	1.11	10.86	11.97	11.38	94.6	
Q3374-03	TP-4-WC-VOC	9	1.15	10.45	11.6	10.31	87.7	
Q3374-05	TP-5-WC	10	1.13	10.30	11.43	10.72	93.1	
Q3374-06	TP-5-WC-EPH	11	1.17	10.34	11.51	9.95	84.9	
Q3374-07	TP-5-WC-VOC	12	1.18	10.94	12.12	11.19	91.5	
Q3375-01	PR132-S02-074099-20251016	13	1.12	10.21	11.33	8.19	69.2	
Q3375-02	PR132-S04-000013-20251016	14	1.15	10.84	11.99	9.25	74.7	
Q3375-03	PR132-S05-000057-20251016	15	1.16	10.58	11.74	8.22	66.7	
Q3375-04	PR132-S02-010074-20251016	16	1.14	10.34	11.48	6.86	55.3	
Q3375-05	PR132-DP02-074099-20251016	17	1.15	10.84	11.99	8.38	66.7	
Q3376-01	PR132-S05-057082-20251016	18	1.13	10.84	11.97	6.93	53.5	
Q3376-02	PR132-DP01-20251016	19	1.16	10.07	11.23	6.56	53.6	
Q3376-03	PR132-COMP2-20251016	20	1.11	10.13	11.24	6.45	52.7	
Q3376-04	PR132-S12-047072-20251016	21	1.15	10.70	11.85	6.64	51.3	
Q3376-05	PR132-S12-020047-20251016	22	1.13	10.49	11.62	8.14	66.8	
Q3381-01	VNJ-222	23	1.18	10.38	11.56	10.46	89.4	
Q3381-03	VNJ-245	24	1.18	10.64	11.82	9.86	81.6	
Q3381-05	RBR200059	25	1.11	10.71	11.82	10.6	88.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB137576

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3381-07	VNJ-255	26	1.16	10.11	11.27	10.51	92.5	
Q3382-01	CENTRAL-AVE-TP	27	1.14	10.73	11.87	10.25	84.9	
Q3382-02	CENTRAL-AVE-TP-EPH-2	28	1.16	10.81	11.97	9.78	79.7	
Q3383-01	OR-03-101725	29	1.13	10.60	11.73	10.88	92.0	
Q3383-02	OR-03-101725-E2	30	1.14	10.91	12.05	11.07	91.0	
Q3386-01	237	38	1.15	10.68	11.83	11.2	94.1	
Q3386-02	237-E2	39	1.15	10.85	12.00	11.2	92.6	
Q3387-01	BC289050-1-1	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-02	BC289050-1-2	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-03	BC289050-2-1	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-04	BC289050-2-2	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3388-01	461	44	1.00	1.00	2.00	2.00	100.0	soily-debris
Q3389-01	KMH472J-1-1	45	1.00	1.00	2.00	2.00	100.0	PILC
Q3389-02	KMH472J-1-2	46	1.00	1.00	2.00	2.00	100.0	PILC
Q3390-01	4175	47	1.00	1.00	2.00	2.00	100.0	debris
Q3390-03	340	48	1.18	10.76	11.94	10.34	85.1	
Q3390-04	340-E2	49	1.16	10.88	12.04	9.11	73.1	
Q3391-01	RCA	31	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3392-01	MH-20	32	1.18	10.77	11.95	10.9	90.3	
Q3392-02	MH-20-EPH	33	1.16	11.00	12.16	11.07	90.1	
Q3392-03	MH-20-VOC	34	1.18	10.89	12.07	10.69	87.3	
Q3392-05	MH-19	35	1.16	10.50	11.66	10.34	87.4	
Q3392-06	MH-19-EPH	36	1.12	10.87	11.99	10.41	85.5	
Q3392-07	MH-19-VOC	37	1.16	10.50	11.66	10.37	87.7	

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

WORKLIST(Hardcopy Internal Chain)

137516

WorkList Name : %1-101725

WorkList ID : 192523

Department : Wet-Chemistry

Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3373-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3374-01	TP-4-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-02	TP-4-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-03	TP-4-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-05	TP-5-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-06	TP-5-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-07	TP-5-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3375-01	PR132-S02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-02	PR132-S04-000013-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-03	PR132-S05-000057-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-04	PR132-S02-010074-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-05	PR132-DP02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-01	PR132-S05-057082-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-02	PR132-DP01-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-03	PR132-COMP2-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-04	PR132-S12-047072-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: 80 wwc

Raw Sample Relinquished by: CP (CSM)

Date/Time 10/17/25

Raw Sample Received by: CP (CSM)

Raw Sample Relinquished by: 80 wwc

WORKLIST(Hardcopy Internal Chain)

137576

WorkList Name : %1-101725

WorkList ID : 192523

Department : Wet-Chemistry

Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-05	PR132-S12-020047-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3381-01	VNJ-222	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-03	VNJ-245	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-05	RBR200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-07	VNJ-255	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-01	CENTRAL-AVE-TP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3382-02	CENTRAL-AVE-TP-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-01	OR-03-101725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3383-02	OR-03-101725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-01	237	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3386-02	237-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-01	BC289050-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-02	BC289050-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-03	BC289050-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-04	BC289050-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3388-01	461	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-01	KMH472J-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3389-02	KMH472J-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-01	4175	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-03	340	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-04	340-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00
 Raw Sample Received by: JH WWC
 Raw Sample Relinquished by: CH (SM)

Date/Time 10/17/25 17:13
 Raw Sample Received by: CH (SM)
 Raw Sample Relinquished by: JH WWC

WORKLIST(Hardcopy Internal Chain)

137516

WorkList Name : %1-101725

WorkList ID : 192523

Department : Wet-Chemistry

Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3391-01	RCA	Solid	Percent Solids	Cool 4 deg C	YANN01	D31	09/18/2025	Chemtech -SO
Q3392-01	MH-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-02	MH-20-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-03	MH-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-05	MH-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-06	MH-19-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-07	MH-19-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

10/17/25 16:00
 78 WWC
 CFCSM/

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

10/17/25 17:33
 CFCSM/
 WWC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil **Extraction Start Date :** 10/20/2025

Matrix : Solid **Extraction Start Time :** 09:00

Weigh By: EH **Extraction By:** EH **Extraction End Date :** 10/20/2025

Balance check: EH **Filter By:** RS **Extraction End Time :** 12:25

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2643
Baked Na2SO4	N/A	EP2652
Sand	N/A	E3951
Hexane	N/A	E3978
Florisil	N/A	E3976
9:1 Hexane:Acetone Mixture	N/A	EP2644
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A **Envap ID:** NE VAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/20/25	RS(Ext Lab)	JP Test/PEB/Car
12:30	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/20/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170163BL	PBLK163	Pesticide-TCL	30.02	N/A	Evelyn	RUPEsh	10			U1-1
PB170163BS	PLCS163	Pesticide-TCL	30.01	N/A	Evelyn	RUPEsh	10			2
Q3374-01	TP-4-WC	Pesticide-TCL	30.06	N/A	Evelyn	RUPEsh	10	E		3
Q3374-05	TP-5-WC	Pesticide-TCL	30.09	N/A	Evelyn	RUPEsh	10	E		4
Q3374-05MS	TP-5-WCMS	Pesticide-TCL	30.04	N/A	Evelyn	RUPEsh	10	E		5
Q3374-05MS D	TP-5-WCMSD	Pesticide-TCL	30.07	N/A	Evelyn	RUPEsh	10	E		6
Q3375-01	PR132-S02-074099-2025 1016	Pesticide-TCL	30.02	N/A	Evelyn	RUPEsh	10	E		U2-1
Q3375-02	PR132-S04-000013-2025 1016	Pesticide-TCL	30.05	N/A	Evelyn	RUPEsh	10	E		2
Q3375-03	PR132-S05-000057-2025 1016	Pesticide-TCL	30.08	N/A	Evelyn	RUPEsh	10	E		3
Q3375-04	PR132-S02-010074-2025 1016	Pesticide-TCL	30.04	N/A	Evelyn	RUPEsh	10	E		4
Q3375-05	PR132-DP02-074099-202 51016	Pesticide-TCL	30.07	N/A	Evelyn	RUPEsh	10	E		5
Q3381-01	VNJ-222	Pesticide-TCL	30.10	N/A	Evelyn	RUPEsh	10	E		6
Q3381-03	VNJ-245	Pesticide-TCL	30.03	N/A	Evelyn	RUPEsh	10	E		U3-1
Q3381-05	RBR200059	Pesticide-TCL	30.06	N/A	Evelyn	RUPEsh	10	E		2
Q3381-07	VNJ-255	Pesticide-TCL	30.09	N/A	Evelyn	RUPEsh	10	E		3
Q3382-01	CENTRAL-AVE-TP	Pesticide-TCL	30.02	N/A	Evelyn	RUPEsh	10	E		4
Q3383-01	OR-03-101725	Pesticide-TCL	30.05	N/A	Evelyn	RUPEsh	10	E		5
Q3386-01	237	Pesticide-TCL	30.04	N/A	Evelyn	RUPEsh	10	E		6
Q3390-03	340	Pesticide-TCL	30.03	N/A	Evelyn	RUPEsh	10	E		U5-1
Q3392-01	MH-20	Pesticide-TCL	30.07	N/A	Evelyn	RUPEsh	10	E		2
Q3392-05	MH-19	Pesticide-TCL	30.09	N/A	Evelyn	RUPEsh	10	E		3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3381P WorkList ID : 192553 Department : Extraction Date : 10-20-2025 08:54:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3374-01	TP-4-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/16/2025	8081B
Q3374-05	TP-5-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/17/2025	8081B
Q3375-01	PR132-S02-074099-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3375-02	PR132-S04-000013-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3375-03	PR132-S05-000057-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3375-04	PR132-S02-010074-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3375-05	PR132-DP02-074099-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3381-01	VNU-222	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/17/2025	8081B
Q3381-03	VNU-245	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/17/2025	8081B
Q3381-05	RBR200059	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/17/2025	8081B
Q3381-07	VNU-255	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/17/2025	8081B
Q3382-01	CENTRAL-AVE-TP	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/17/2025	8081B
Q3383-01	OR-03-101725	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D41	10/17/2025	8081B
Q3386-01	237	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/17/2025	8081B
Q3390-03	340	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/17/2025	8081B
Q3392-01	MH-20	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/17/2025	8081B
Q3392-05	MH-19	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/17/2025	8081B

Date/Time 10/20/25 8:55
 Raw Sample Received by: Gt (Ext-101)
 Raw Sample Relinquished by: Gt (Ext-101)

Date/Time 10/20/25 9:30
 Raw Sample Received by: Gt (Ext-101)
 Raw Sample Relinquished by: Gt (Ext-101)

Prep Standard - Chemical Standard Summary

Order ID : Q3375

Test : Pesticide-TCL

Prepbatch ID : PB170163,

Sequence ID/Qc Batch ID: pd102025,

Standard ID :

EP2643,EP2652,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

Chemical ID :

E3875,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3976,E3978,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,P9053,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel
09/16/2025								

FROM 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
10/10/2025								

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of PP24749 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24766	07/28/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								08/19/2025

FROM 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
758	PEM Mix w/Surr	PP24942	09/24/2025	03/24/2026	Abdul Mirza	None	None	Yogesh Patel
								10/10/2025

FROM 1.00000ml of P13780 + 99.00000ml of E3971 = Final Quantity: 100.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M07456	04/03/2026	10/03/2025 / Evelyn	10/03/2025 / Evelyn	E3976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32074 / Pesticide Performance Evaluation Mix w/Surrogate	A0213999	03/24/2026	09/24/2025 / Abdul	11/19/2024 / Ankita	P13780

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001



Recd. by RI on 6/11/25

E3941

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.
 *Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E 3955

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**[™]



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Cleanert Florisil

1g/6ml 30/pkg

LOT#:M07456

MFG#:G02147

CAT#FS0006



固相萃取产品

Made in China

Agela Technologies

E 3976



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
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 P13043
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 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

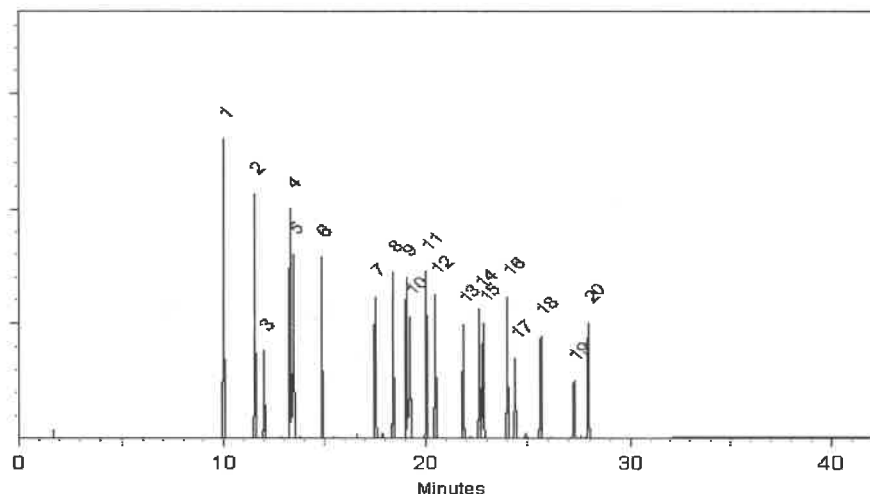
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**

Solvent(s):
Acetone
Lot#: 81025

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

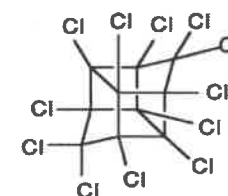
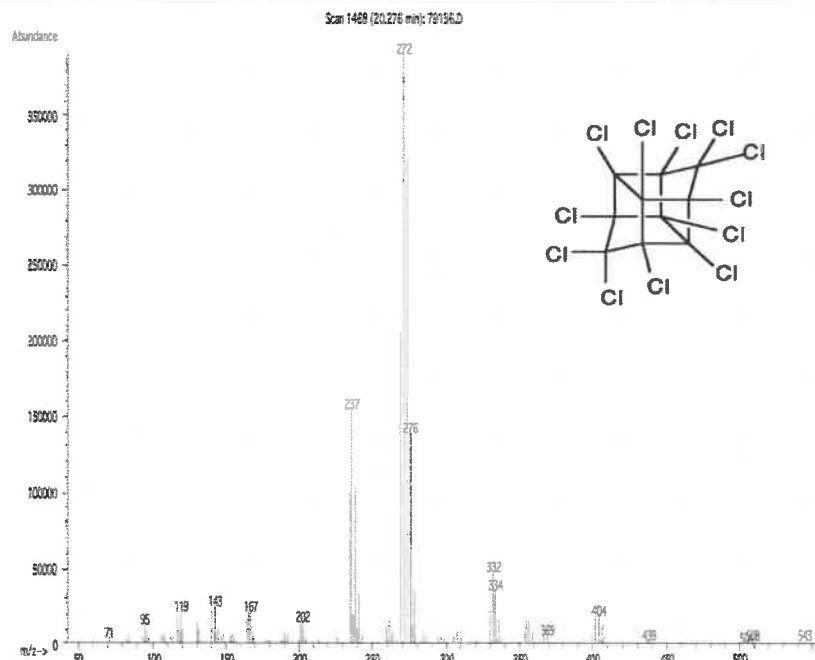
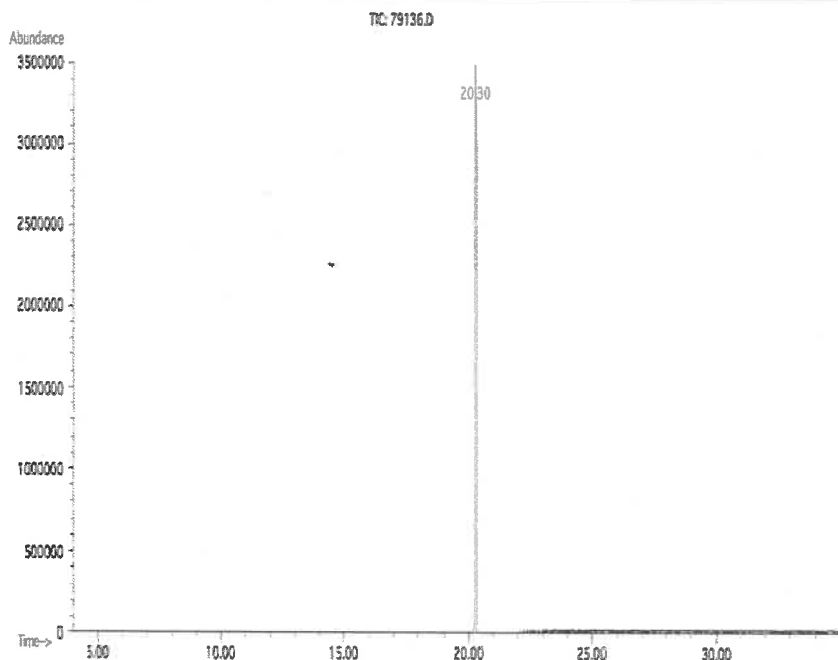
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0

SDS Information
(Solvent Safety Info. On Attached pg.)
Expanded Uncertainty (+/-) (µg/mL)
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)
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W. H. H. H.
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
JALIN

5



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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
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P 12605
3
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

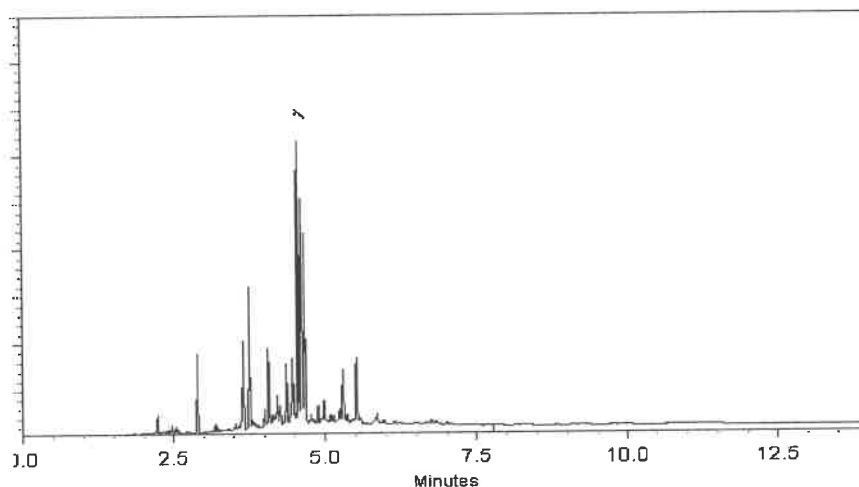
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

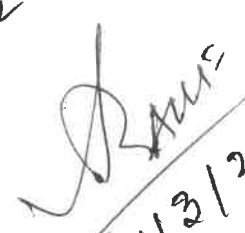
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



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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:

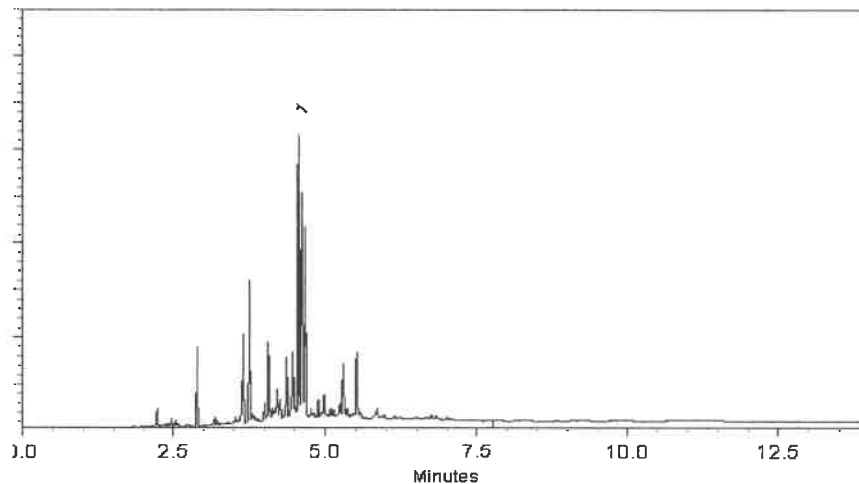
ECD

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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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291

Lot No.: A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2027

Storage: 10°C or colder

Ship: Ambient

P 13034
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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.)

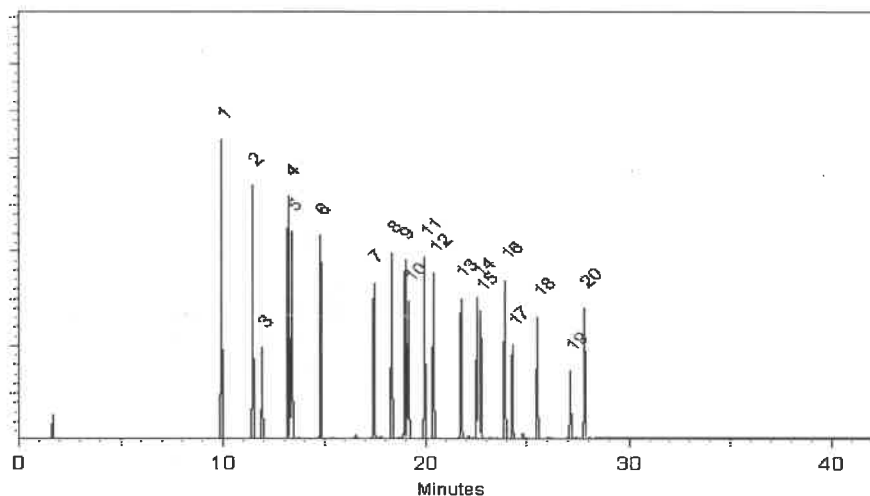
Inj. Temp:
200°C

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**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
 ↓
 02/9/2024



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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
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P13779
AI
11/19/24

05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

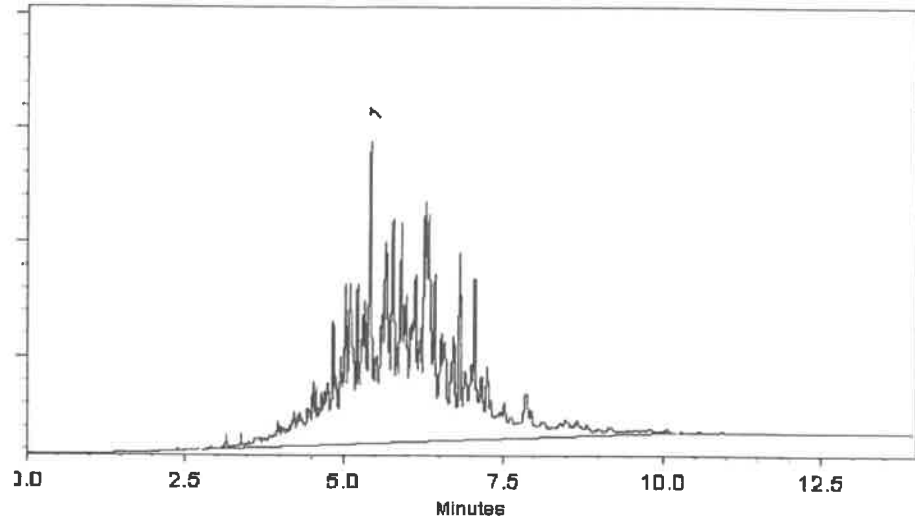
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

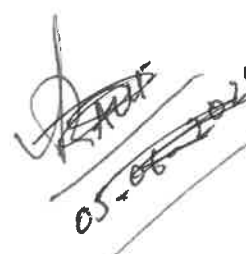
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397


P13338
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P13389
P13773
↓
P13779
AJ
11/19/24
05-06-2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32074 **Lot No.:** A0213999

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25µg/mL,
Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13780
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P13784
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	2.0 µg/mL	+/- 0.1506
2	alpha-BHC	319-84-6	15279000	99%	1.0 µg/mL	+/- 0.0749
3	gamma-BHC (Lindane)	58-89-9	14931300	97%	1.0 µg/mL	+/- 0.0756
4	beta-BHC	319-85-7	BCCC6425	99%	1.0 µg/mL	+/- 0.0749
5	Endrin	72-20-8	15076100	98%	5.0 µg/mL	+/- 0.3769
6	4,4'-DDT	50-29-3	231103JLM	97%	10.0 µg/mL	+/- 0.7512
7	Methoxychlor	72-43-5	14979500	98%	24.8 µg/mL	+/- 1.8543
8	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	2.0 µg/mL	+/- 0.1513

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

300°C

Det. Type:

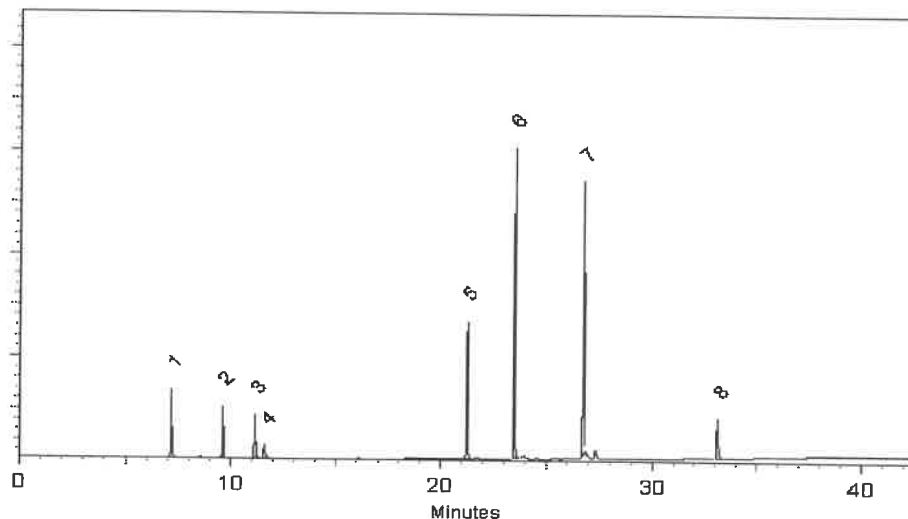
ECD

Split Vent:

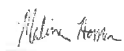
Split ratio 50:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

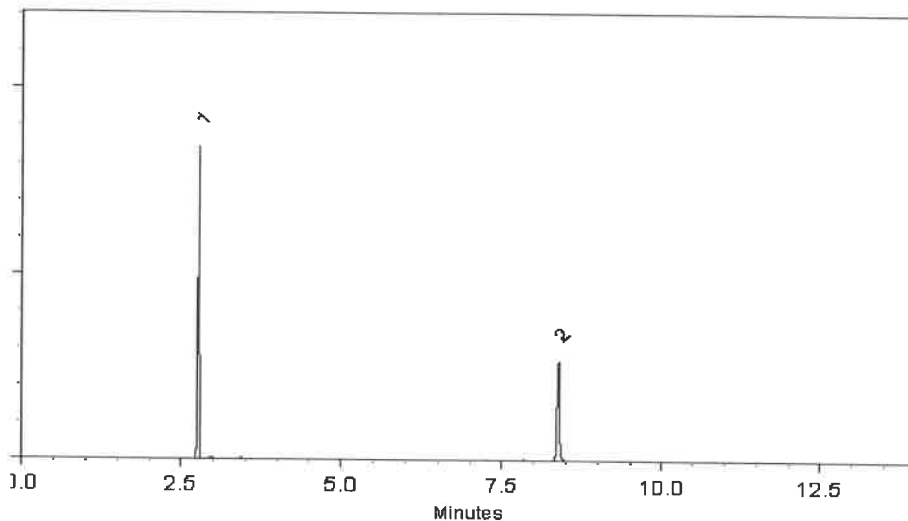
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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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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Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

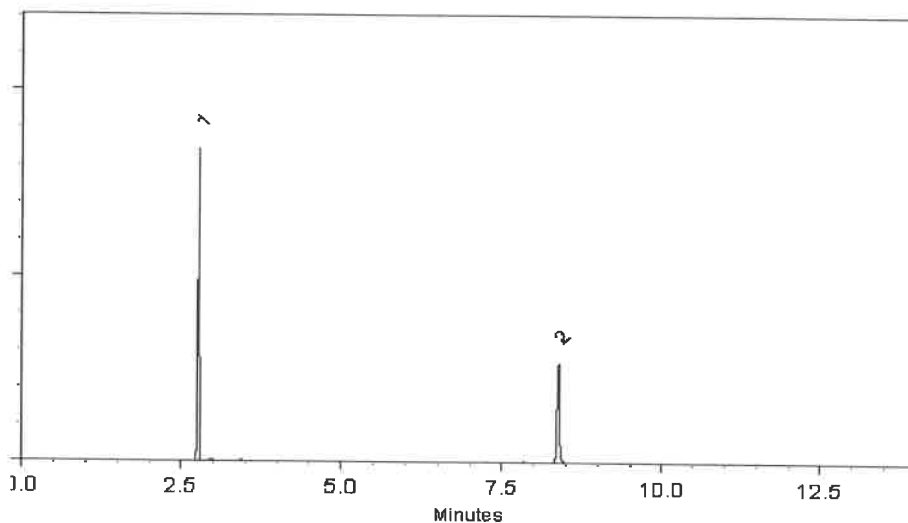
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

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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:

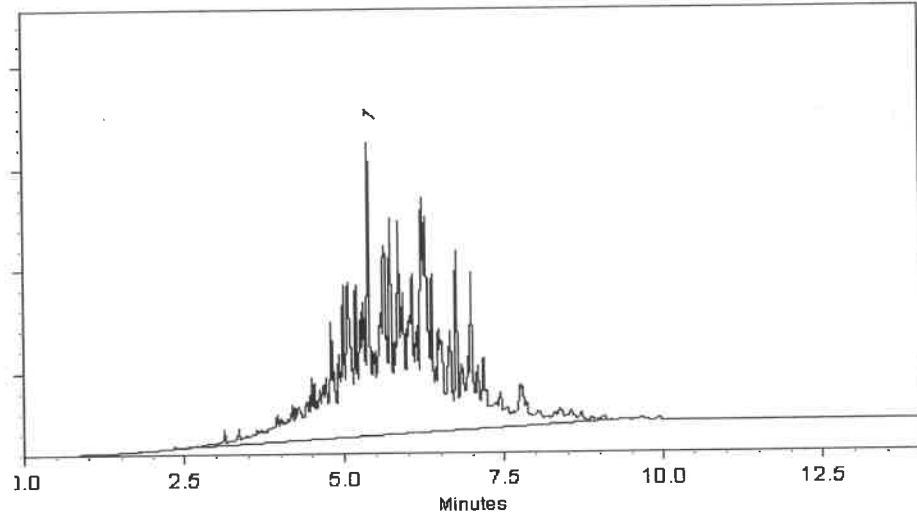
ECD

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**

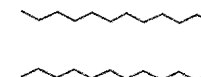
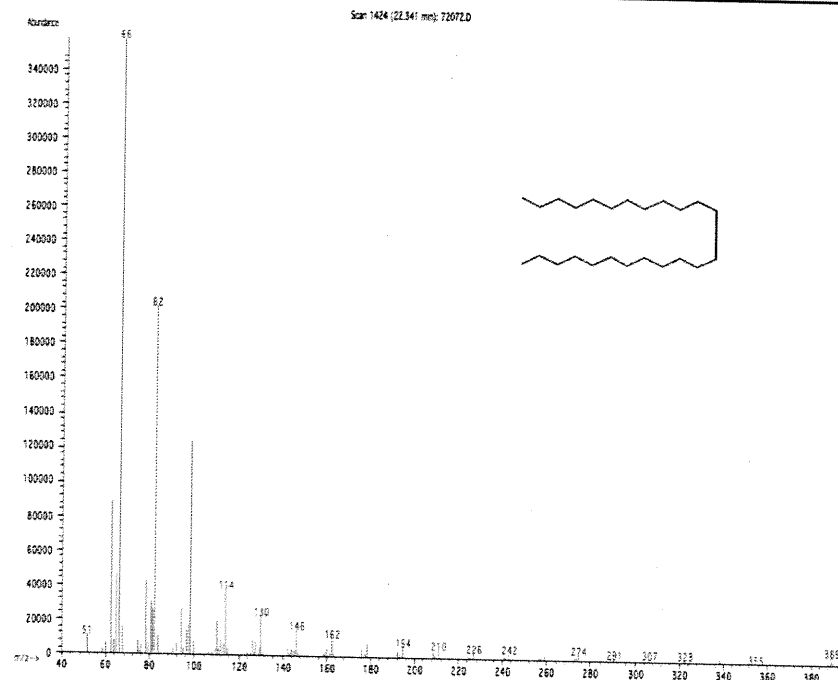
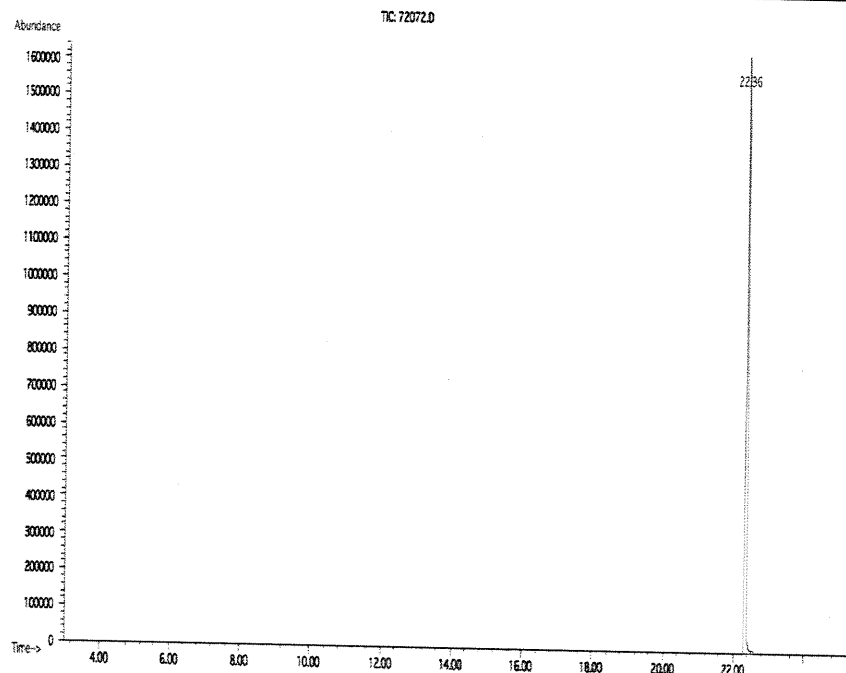
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

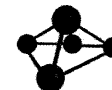
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

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

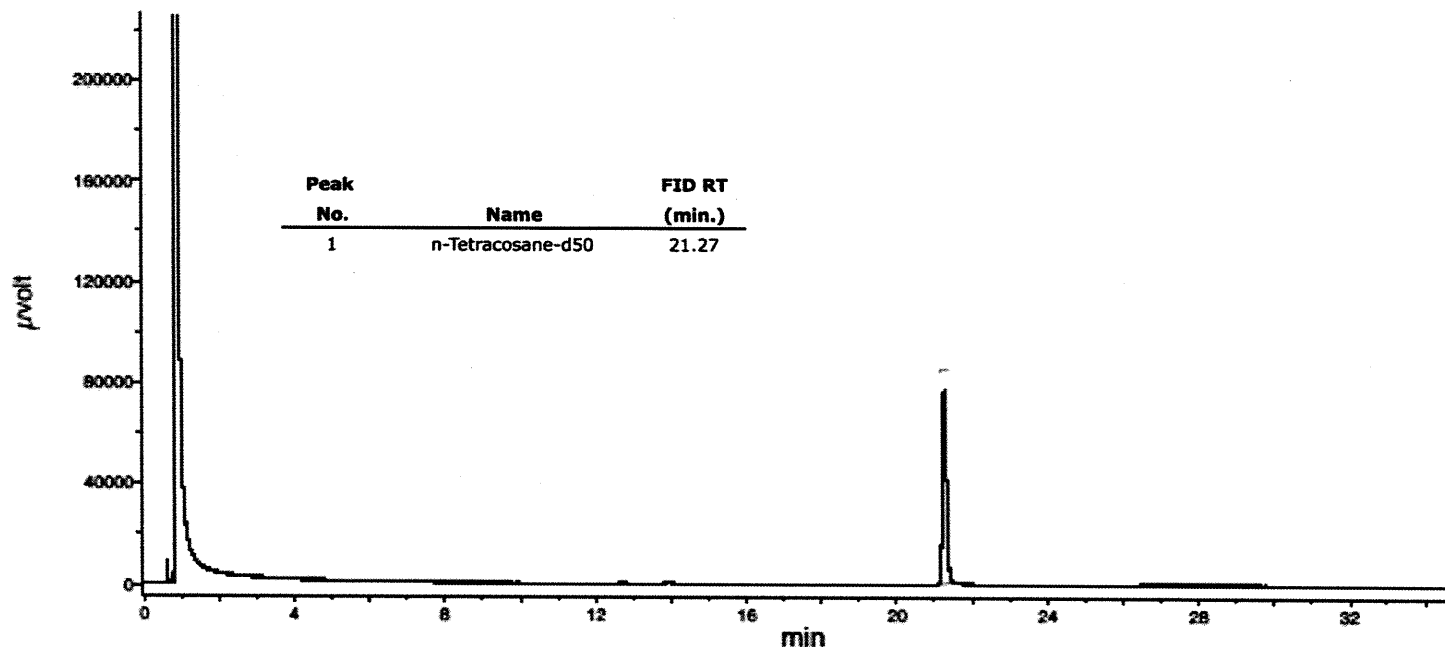
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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





SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Avenue,
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

PROJECT NAME: Port Richmond B2
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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

1. SVOCs
2. Pesticides-TCL
3. Mercury-Metals
4. PCBs/Hexachloro
5. Dioxin
6. Grain Silica
7. TOC
8. VOCs
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	PR132-S02-074099-20251016	soil	X	X	10/16	840	11	X	X	X	X	X	X	X	X		
2.	PR132-S04-000013-20251016	soil	X	X	10/16	945	11	X	X	X	X	X	X	X	X		
3.	PR132-S04	soil	X	X	10/16												
4.	PR132-S05-000057-20251016	soil	X	X	10/16	1110	11	X	X	X	X	X	X	X	X		
5.	PR132-S02-010074-20251016	soil	X	X	10/16	850	11	X	X	X	X	X	X	X	X		
6.	PR132-DP02-20251016	soil	X	X	10/16	1113	11	X	X	X	X	X	X	X	X		
7.	Temp Blank	water													X		
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>Jim Aldersen</u>	DATE/TIME: <u>1650</u> <u>10/16/25</u>	RECEIVED BY: <u>[Signature]</u> <u>1650</u> <u>10-16-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.2</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: <u>1805</u> <u>10-16-25</u>	RECEIVED BY: 3.	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

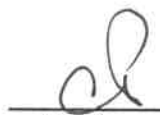
Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3375	AECO02	Order Date : 10/17/2025 10:32:00 AM	Project Mgr :
Client Name : AECOM		Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP B
Client Contact : Rob Forstner		Receive DateTime : 10/16/2025 6:15:00 PM	EDD Type : EQUIS
Invoice Name : AECOM		Purchase Order :	Hard Copy Date :
Invoice Contact : Rob Forstner			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3375-01	PR132-S02-074099-20251016	Solid	10/16/2025	08:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3375-02	PR132-S04-000013-20251016	Solid	10/16/2025	09:45	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3375-03	PR132-S05-000057-20251016	Solid	10/16/2025	10:10	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3375-04	PR132-S02-010074-20251016	Solid	10/16/2025	08:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3375-05	PR132-DP02-074099-20251016	Solid	10/16/2025	11:13	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : 

Date / Time :

10/17/25 13:35

Received By : 

Date / Time :

10/17/25 18:35

Rg # 6
Ft 2

Storage Area : VOA Refridgerator Room