

Cover Page

Order ID : Q3393

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

Client : AECOM

Lab Sample Number

Q3393-01
Q3393-02
Q3393-03
Q3393-04
Q3393-05

Client Sample Number

PR132-S10-000022-20251017
PR132-S10-022047-20251017
PR132-S08-013038-20251017
PR132-S06-000021-20251017
PR132-S08-000013-20251017

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: 10/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

AECOM

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

Project # N/A

Order ID # Q3393

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/17/2025.

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:

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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Phone: 908 789 8900 Fax: 908 789 8922

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: Q3393

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:

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3393

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/29/2025

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 DOCK-Des-ODC Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q3393

Order ID: Q3393

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-S10-000022-20251017								
Q3393-01	PR132-S10-000022-20 SOIL	4,4-DDE		1.70	JP	0.25	3.00	ug/kg
		Total Concentration:		1.700				
Client ID : PR132-S10-022047-20251017								
Q3393-02	PR132-S10-022047-20 SOIL	4,4-DDE		5.40		0.26	3.10	ug/kg
		Total Concentration:		5.400				
Client ID : PR132-S06-000021-20251017								
Q3393-04	PR132-S06-000021-20 SOIL	4,4-DDE		2.20	JP	0.25	3.00	ug/kg
		Total Concentration:		2.200				
Client ID : PR132-S08-000013-20251017								
Q3393-05	PR132-S08-000013-20 SOIL	4,4-DDE		1.80	JP	0.27	3.30	ug/kg
		Total Concentration:		1.800				



QC SUMMARY

Surrogate Summary

SDG No.: **Q3393**

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-PD090722.D	PIBLK-PD090722.D	Decachlorobiphen	1	20	21.2	106		57	171
		Tetrachloro-m-xyl	1	20	21.3	106		61	148
		Decachlorobiphen	2	20	22.1	111		57	171
		Tetrachloro-m-xyl	2	20	22.1	110		61	148
PB170179BL	PB170179BL	Decachlorobiphen	1	20	21.6	108		20	144
		Tetrachloro-m-xyl	1	20	20.3	101		19	148
		Decachlorobiphen	2	20	23.1	115		20	144
		Tetrachloro-m-xyl	2	20	21.2	106		19	148
PB170179BS	PB170179BS	Decachlorobiphen	1	20	20.3	101		20	144
		Tetrachloro-m-xyl	1	20	16.8	84		19	148
		Decachlorobiphen	2	20	21.9	110		20	144
		Tetrachloro-m-xyl	2	20	17.1	86		19	148
Q3402-07MS	41-LBMS	Decachlorobiphen	1	20	7.89	39		20	144
		Tetrachloro-m-xyl	1	20	13.4	67		19	148
		Decachlorobiphen	2	20	8.23	41		20	144
		Tetrachloro-m-xyl	2	20	14.0	70		19	148
Q3402-07MSD	41-LBMSD	Decachlorobiphen	1	20	8.21	41		20	144
		Tetrachloro-m-xyl	1	20	13.1	65		19	148
		Decachlorobiphen	2	20	8.28	41		20	144
		Tetrachloro-m-xyl	2	20	14.0	70		19	148
I.BLK-PD090732.D	PIBLK-PD090732.D	Decachlorobiphen	1	20	20.8	104		57	171
		Tetrachloro-m-xyl	1	20	20.4	102		61	148
		Decachlorobiphen	2	20	22.7	114		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
Q3393-01	PR132-S10-000022-20251017	Decachlorobiphen	1	20	13.5	68		20	144
		Tetrachloro-m-xyl	1	20	14.4	72		19	148
		Decachlorobiphen	2	20	13.1	66		20	144
		Tetrachloro-m-xyl	2	20	15.8	79		19	148
Q3393-02	PR132-S10-022047-20251017	Decachlorobiphen	1	20	16.2	81		20	144
		Tetrachloro-m-xyl	1	20	16.2	81		19	148
		Decachlorobiphen	2	20	17.4	87		20	144
		Tetrachloro-m-xyl	2	20	17.2	86		19	148
I.BLK-PD090744.D	PIBLK-PD090744.D	Decachlorobiphen	1	20	21.0	105		57	171
		Tetrachloro-m-xyl	1	20	20.1	101		61	148
		Decachlorobiphen	2	20	22.9	115		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148
Q3393-03	PR132-S08-013038-20251017	Decachlorobiphen	1	20	13.8	69		20	144

Surrogate Summary

SDG No.: Q3393

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3393-03	PR132-S08-013038-20251017	Tetrachloro-m-xyl	1	20	14.0	70		19	148
		Decachlorobiphen	2	20	13.0	65		20	144
		Tetrachloro-m-xyl	2	20	15.8	79		19	148
Q3393-04	PR132-S06-000021-20251017	Decachlorobiphen	1	20	17.4	87		20	144
		Tetrachloro-m-xyl	1	20	17.5	87		19	148
		Decachlorobiphen	2	20	18.0	90		20	144
		Tetrachloro-m-xyl	2	20	19.2	96		19	148
Q3393-05	PR132-S08-000013-20251017	Decachlorobiphen	1	20	16.4	82		20	144
		Tetrachloro-m-xyl	1	20	15.4	77		19	148
		Decachlorobiphen	2	20	17.2	86		20	144
		Tetrachloro-m-xyl	2	20	17.5	87		19	148
I.BLK-PD090750.D	PIBLK-PD090750.D	Decachlorobiphen	1	20	22.0	110		57	171
		Tetrachloro-m-xyl	1	20	20.7	103		61	148
		Decachlorobiphen	2	20	24.4	122		57	171
		Tetrachloro-m-xyl	2	20	21.5	108		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090730.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result								High	RPD
Lab Sample ID:	Q3402-07MS (Column 1)	Client Sample ID:		41-LBMS								
	alpha-BHC	25.25	0	24.7	ug/kg	98				60	144	
	beta-BHC	25.25	0	23.3	ug/kg	92				54	143	
	delta-BHC	25.25	0	24.8	ug/kg	98				29	151	
	gamma-BHC (Lindane)	25.25	0	24.0	ug/kg	95				61	140	
	Heptachlor	25.25	0	27.9	ug/kg	110				63	135	
	Aldrin	25.25	0	24.1	ug/kg	95				49	139	
	Heptachlor epoxide	25.25	0	24.2	ug/kg	96				41	156	
	Endosulfan I	25.25	0	23.9	ug/kg	95				56	142	
	Dieldrin	25.25	0	24.3	ug/kg	96				47	161	
	4,4'-DDE	25.25	0	23.6	ug/kg	93				55	136	
	Endrin	25.25	0	24.3	ug/kg	96				57	139	
	Endosulfan II	25.25	0	23.8	ug/kg	94				40	163	
	4,4'-DDD	25.25	0	24.6	ug/kg	97				47	163	
	Endosulfan sulfate	25.25	0	23.5	ug/kg	93				62	139	
	4,4'-DDT	25.25	0	24.8	ug/kg	98				51	146	
	Methoxychlor	25.25	0	24.2	ug/kg	96				54	136	
	Endrin ketone	25.25	0	24.0	ug/kg	95				60	129	
	Endrin aldehyde	25.25	0	23.8	ug/kg	94				59	132	
	alpha-Chlordane	25.25	0	23.2	ug/kg	92				39	166	
	gamma-Chlordane	25.25	0	23.7	ug/kg	94				44	175	
Lab Sample ID:	Q3402-07MS (Column 2)	Client Sample ID:		41-LBMS								
	alpha-BHC	25.25	0	24.0	ug/kg	95				60	144	
	beta-BHC	25.25	0	23.6	ug/kg	93				54	143	
	delta-BHC	25.25	0	24.0	ug/kg	95				29	151	
	gamma-BHC (Lindane)	25.25	0	24.0	ug/kg	95				61	140	
	Heptachlor	25.25	0	24.2	ug/kg	96				63	135	
	Aldrin	25.25	0	24.1	ug/kg	95				49	139	
	Heptachlor epoxide	25.25	0	24.0	ug/kg	95				41	156	
	Endosulfan I	25.25	0	23.8	ug/kg	94				56	142	
	Dieldrin	25.25	0	24.3	ug/kg	96				47	161	
	4,4'-DDE	25.25	0	24.1	ug/kg	95				55	136	
	Endrin	25.25	0	24.3	ug/kg	96				57	139	
	Endosulfan II	25.25	0	24.5	ug/kg	97				40	163	
	4,4'-DDD	25.25	0	23.0	ug/kg	91				47	163	
	Endosulfan sulfate	25.25	0	24.4	ug/kg	97				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090730.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	25.25	0	25.3	ug/kg	100				51	146	
Methoxychlor	25.25	0	24.8	ug/kg	98				54	136	
Endrin ketone	25.25	0	24.8	ug/kg	98				60	129	
Endrin aldehyde	25.25	0	24.2	ug/kg	96				59	132	
alpha-Chlordane	25.25	0	24.3	ug/kg	96				39	166	
gamma-Chlordane	25.25	0	24.4	ug/kg	97				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090731.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		
			Result				Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3402-07MSD	Client Sample ID:		41-LBMSD								
	(Column 1)											
	alpha-BHC	25.26	0	24.6	ug/kg	97		1		60	144	20
	beta-BHC	25.26	0	23.2	ug/kg	92		0		54	143	20
	delta-BHC	25.26	0	24.6	ug/kg	97		1		29	151	20
	gamma-BHC (Lindane)	25.26	0	23.9	ug/kg	95		0		61	140	20
	Heptachlor	25.26	0	28.0	ug/kg	111		1		63	135	20
	Aldrin	25.26	0	24.1	ug/kg	95		0		49	139	20
	Heptachlor epoxide	25.26	0	24.2	ug/kg	96		0		41	156	20
	Endosulfan I	25.26	0	23.9	ug/kg	95		0		56	142	20
	Dieldrin	25.26	0	24.3	ug/kg	96		0		47	161	20
	4,4'-DDE	25.26	0	23.5	ug/kg	93		0		55	136	20
	Endrin	25.26	0	24.3	ug/kg	96		0		57	139	20
	Endosulfan II	25.26	0	23.8	ug/kg	94		0		40	163	20
	4,4'-DDD	25.26	0	24.6	ug/kg	97		0		47	163	20
	Endosulfan sulfate	25.26	0	23.4	ug/kg	93		0		62	139	20
	4,4'-DDT	25.26	0	24.9	ug/kg	99		1		51	146	20
	Methoxychlor	25.26	0	24.4	ug/kg	97		1		54	136	20
	Endrin ketone	25.26	0	24.1	ug/kg	95		0		60	129	20
	Endrin aldehyde	25.26	0	23.9	ug/kg	95		1		59	132	20
	alpha-Chlordane	25.26	0	23.0	ug/kg	91		1		39	166	20
	gamma-Chlordane	25.26	0	23.8	ug/kg	94		0		44	175	20
Lab Sample ID:	Q3402-07MSD	Client Sample ID:		41-LBMSD								
	(Column 2)											
	alpha-BHC	25.26	0	24.0	ug/kg	95		0		60	144	20
	beta-BHC	25.26	0	23.7	ug/kg	94		1		54	143	20
	delta-BHC	25.26	0	24.0	ug/kg	95		0		29	151	20
	gamma-BHC (Lindane)	25.26	0	24.0	ug/kg	95		0		61	140	20
	Heptachlor	25.26	0	24.3	ug/kg	96		0		63	135	20
	Aldrin	25.26	0	24.1	ug/kg	95		0		49	139	20
	Heptachlor epoxide	25.26	0	23.9	ug/kg	95		0		41	156	20
	Endosulfan I	25.26	0	23.8	ug/kg	94		0		56	142	20
	Dieldrin	25.26	0	24.4	ug/kg	97		1		47	161	20
	4,4'-DDE	25.26	0	24.1	ug/kg	95		0		55	136	20
	Endrin	25.26	0	24.3	ug/kg	96		0		57	139	20
	Endosulfan II	25.26	0	24.5	ug/kg	97		0		40	163	20
	4,4'-DDD	25.26	0	23.0	ug/kg	91		0		47	163	20
	Endosulfan sulfate	25.26	0	24.5	ug/kg	97		0		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090731.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	25.26	0	25.4	ug/kg	101		1		51	146	20
Methoxychlor	25.26	0	24.8	ug/kg	98		0		54	136	20
Endrin ketone	25.26	0	24.8	ug/kg	98		0		60	129	20
Endrin aldehyde	25.26	0	24.5	ug/kg	97		1		59	132	20
alpha-Chlordane	25.26	0	24.3	ug/kg	96		0		39	166	20
gamma-Chlordane	25.26	0	24.4	ug/kg	97		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	Datafile :	<u>PD090726.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170179BS (Column 1)	alpha-BHC	16.66	14.8	ug/kg	89				84	123	
	beta-BHC	16.66	14.6	ug/kg	88				82	123	
	delta-BHC	16.66	15.0	ug/kg	90				83	126	
	gamma-BHC (Lindane)	16.66	14.7	ug/kg	88				83	125	
	Heptachlor	16.66	17.5	ug/kg	105				83	122	
	Aldrin	16.66	14.9	ug/kg	89				82	124	
	Heptachlor epoxide	16.66	15.1	ug/kg	91				83	120	
	Endosulfan I	16.66	14.9	ug/kg	89				81	124	
	Dieldrin	16.66	15.1	ug/kg	91				85	121	
	4,4'-DDE	16.66	14.6	ug/kg	88				81	123	
	Endrin	16.66	15.1	ug/kg	91				76	130	
	Endosulfan II	16.66	15.1	ug/kg	91				80	125	
	4,4'-DDD	16.66	15.4	ug/kg	92				80	131	
	Endosulfan sulfate	16.66	14.9	ug/kg	89				81	122	
	4,4'-DDT	16.66	15.9	ug/kg	95				70	129	
	Methoxychlor	16.66	15.6	ug/kg	94				60	119	
	Endrin ketone	16.66	15.1	ug/kg	91				77	132	
	Endrin aldehyde	16.66	15.4	ug/kg	92				79	124	
	alpha-Chlordane	16.66	14.4	ug/kg	86				84	120	
	gamma-Chlordane	16.66	14.8	ug/kg	89				83	122	
	alpha-BHC	16.66	14.7	ug/kg	88				84	123	
PB170179BS (Column 2)	beta-BHC	16.66	14.8	ug/kg	89				82	123	
	delta-BHC	16.66	15.0	ug/kg	90				83	126	
	gamma-BHC (Lindane)	16.66	14.9	ug/kg	89				83	125	
	Heptachlor	16.66	15.1	ug/kg	91				83	122	
	Aldrin	16.66	14.9	ug/kg	89				82	124	
	Heptachlor epoxide	16.66	14.8	ug/kg	89				83	120	
	Endosulfan I	16.66	14.8	ug/kg	89				81	124	
	Dieldrin	16.66	15.3	ug/kg	92				85	121	
	4,4'-DDE	16.66	15.2	ug/kg	91				81	123	
	Endrin	16.66	15.2	ug/kg	91				76	130	
	Endosulfan II	16.66	15.4	ug/kg	92				80	125	
	4,4'-DDD	16.66	15.2	ug/kg	91				80	131	
	Endosulfan sulfate	16.66	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.66	16.2	ug/kg	97				70	129	
	Methoxychlor	16.66	16.0	ug/kg	96				60	119	
	Endrin ketone	16.66	15.8	ug/kg	95				77	132	
	Endrin aldehyde	16.66	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.66	15.1	ug/kg	91				84	120	
	gamma-Chlordane	16.66	15.1	ug/kg	91				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170179BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: PB170179BL

Lab File ID: PD090725.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/21/2025

Date Analyzed (1): 10/21/2025

Date Analyzed (2): 10/21/2025

Time Analyzed (1): 14:44

Time Analyzed (2): 14:44

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
PB170179BS	PB170179BS	PD090726.D	10/21/2025	10/21/2025
41-LBMS	Q3402-07MS	PD090730.D	10/21/2025	10/21/2025
41-LBMSD	Q3402-07MSD	PD090731.D	10/21/2025	10/21/2025
PR132-S10-000022-20251017	Q3393-01	PD090742.D	10/21/2025	10/21/2025
PR132-S10-022047-20251017	Q3393-02	PD090743.D	10/21/2025	10/21/2025
PR132-S08-013038-20251017	Q3393-03	PD090747.D	10/21/2025	10/21/2025
PR132-S06-000021-20251017	Q3393-04	PD090748.D	10/21/2025	10/21/2025
PR132-S08-000013-20251017	Q3393-05	PD090749.D	10/21/2025	10/21/2025

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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S10-000022-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	56
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.00	U	1	0.23	3.00	ug/kg	10/21/25 18:43	PB170179
319-85-7	beta-BHC	3.00	U	1	0.32	3.00	ug/kg	10/21/25 18:43	PB170179
319-86-8	delta-BHC	3.00	U	1	0.70	3.00	ug/kg	10/21/25 18:43	PB170179
58-89-9	gamma-BHC (Lindane)	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
76-44-8	Heptachlor	3.00	U	1	0.21	3.00	ug/kg	10/21/25 18:43	PB170179
309-00-2	Aldrin	3.00	U	1	0.21	3.00	ug/kg	10/21/25 18:43	PB170179
1024-57-3	Heptachlor epoxide	3.00	U	1	0.34	3.00	ug/kg	10/21/25 18:43	PB170179
959-98-8	Endosulfan I	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
60-57-1	Dieldrin	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
72-55-9	4,4-DDE	1.70	JP	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
72-20-8	Endrin	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
33213-65-9	Endosulfan II	3.00	U	1	0.52	3.00	ug/kg	10/21/25 18:43	PB170179
72-54-8	4,4-DDD	3.00	U	1	0.27	3.00	ug/kg	10/21/25 18:43	PB170179
1031-07-8	Endosulfan Sulfate	3.00	U	1	0.23	3.00	ug/kg	10/21/25 18:43	PB170179
50-29-3	4,4-DDT	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
72-43-5	Methoxychlor	3.00	U	1	0.66	3.00	ug/kg	10/21/25 18:43	PB170179
53494-70-5	Endrin ketone	3.00	U	1	0.34	3.00	ug/kg	10/21/25 18:43	PB170179
7421-93-4	Endrin aldehyde	3.00	U	1	0.66	3.00	ug/kg	10/21/25 18:43	PB170179
5103-71-9	alpha-Chlordane	3.00	U	1	0.21	3.00	ug/kg	10/21/25 18:43	PB170179
5103-74-2	gamma-Chlordane	3.00	U	1	0.27	3.00	ug/kg	10/21/25 18:43	PB170179
8001-35-2	Toxaphene	58.8	U	1	9.60	58.8	ug/kg	10/21/25 18:43	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.5			20 - 144	68%	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\PD102125\
 Data File : PD090742.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 18:43
 Operator : AR\AJ
 Sample : Q3393-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S10-000022-20251017

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 10/24/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:12:12 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	2.873	44841984	469.7E6	14.399m	15.773m
28)	SA Decachlor...	9.067	8.062	63345238	397.4E6	13.541	13.118
Target Compounds							
12)	B 4,4'-DDE	6.191	5.365	15091335	81563180	2.833	1.861 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 18:43
Operator : AR\AJ
Sample : Q3393-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

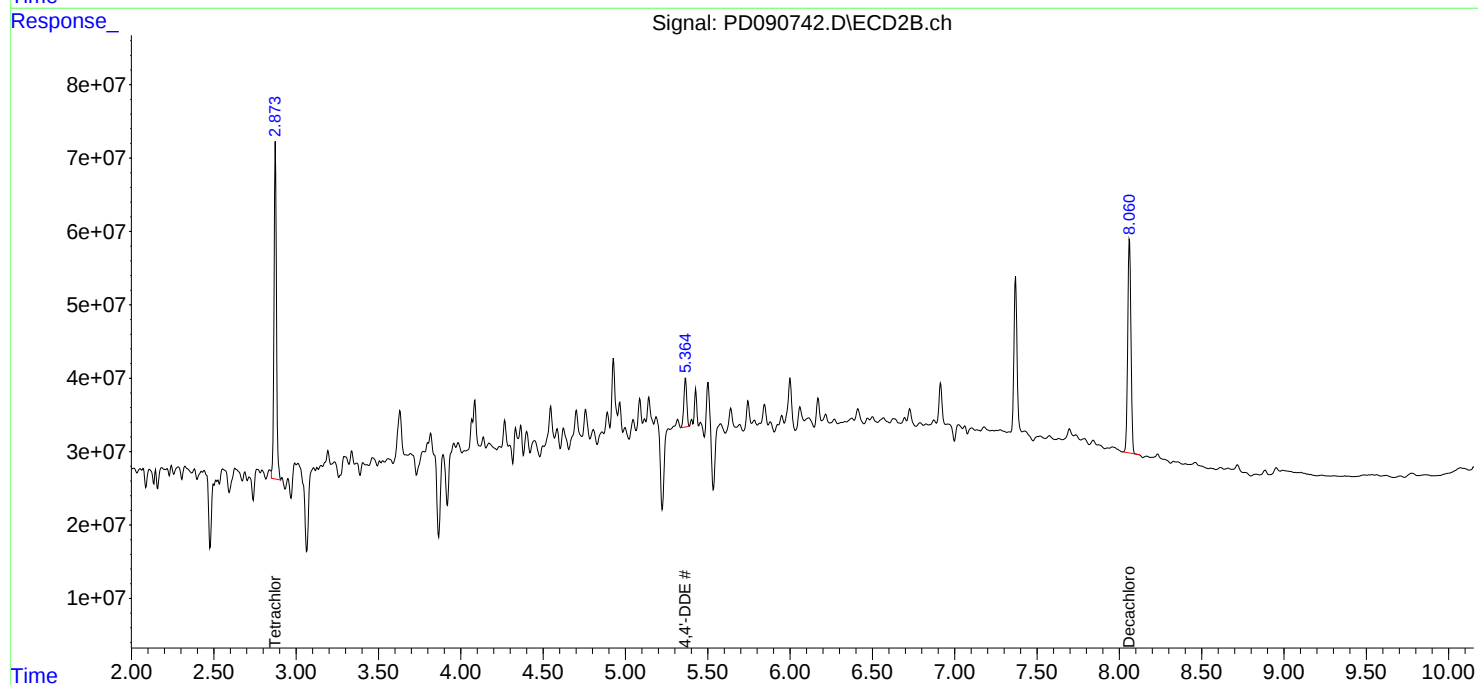
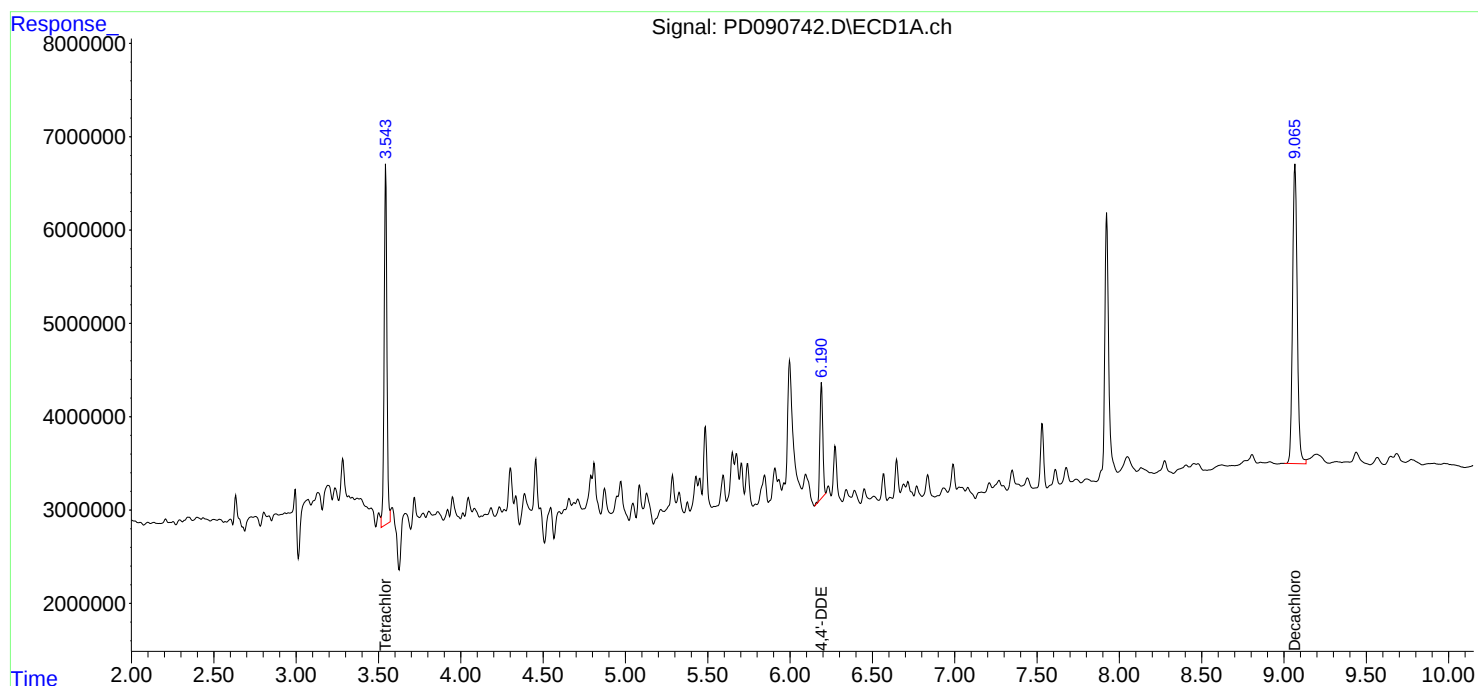
Instrument :
ECD_D
ClientSampleId :
PR132-S10-000022-20251017

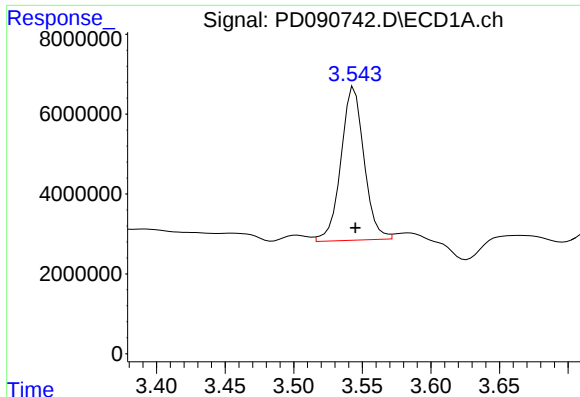
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/24/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:12:12 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





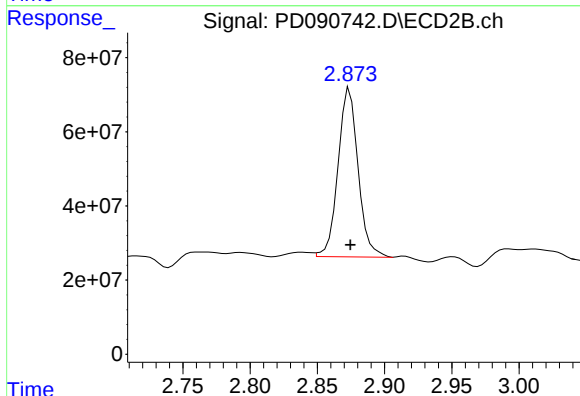
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
 Delta R.T.: -0.002 min
 Response: 44841984
 Conc: 14.40 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S10-000022-20251017

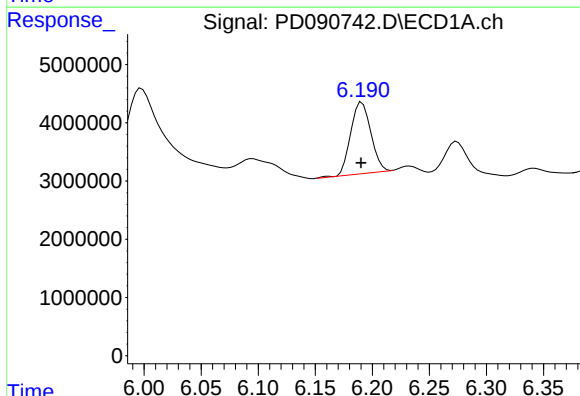
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025



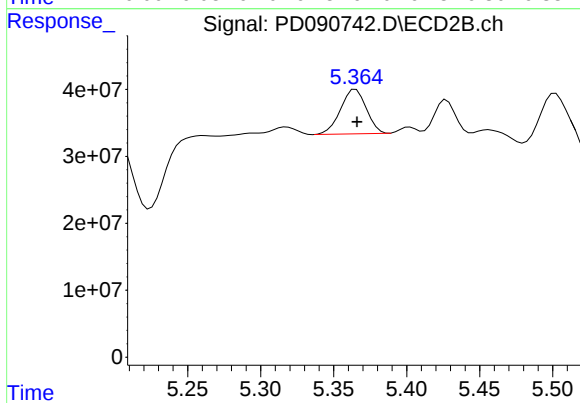
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
 Delta R.T.: -0.002 min
 Response: 469681903
 Conc: 15.77 ng/ml m



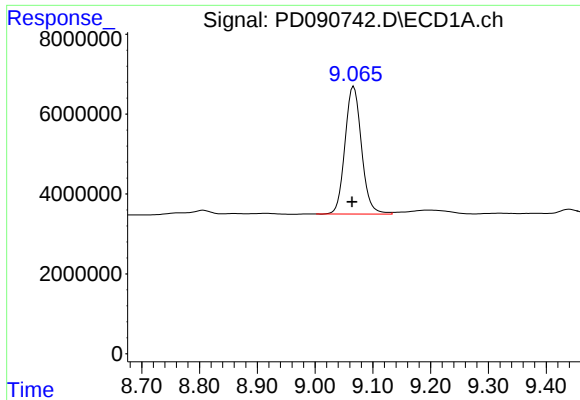
#12 4,4'-DDE

R.T.: 6.191 min
 Delta R.T.: 0.000 min
 Response: 15091335
 Conc: 2.83 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
 Delta R.T.: 0.000 min
 Response: 81563180
 Conc: 1.86 ng/ml



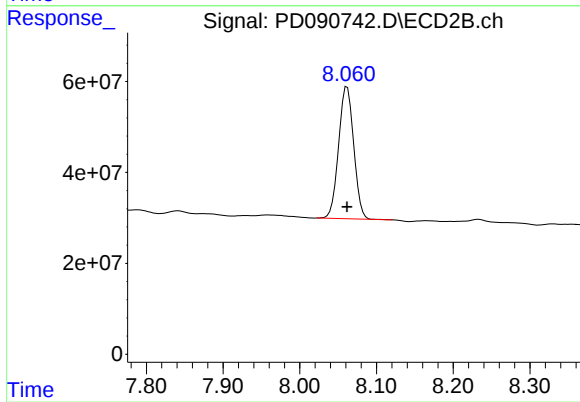
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 63345238
Conc: 13.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S10-000022-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 397353187
Conc: 13.12 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:	PR132-S10-022047-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-02		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	54
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	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	0.24	3.10	ug/kg	10/21/25 18:57	PB170179
319-85-7	beta-BHC	3.10	U	1	0.33	3.10	ug/kg	10/21/25 18:57	PB170179
319-86-8	delta-BHC	3.10	U	1	0.72	3.10	ug/kg	10/21/25 18:57	PB170179
58-89-9	gamma-BHC (Lindane)	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
76-44-8	Heptachlor	3.10	U	1	0.22	3.10	ug/kg	10/21/25 18:57	PB170179
309-00-2	Aldrin	3.10	U	1	0.22	3.10	ug/kg	10/21/25 18:57	PB170179
1024-57-3	Heptachlor epoxide	3.10	U	1	0.35	3.10	ug/kg	10/21/25 18:57	PB170179
959-98-8	Endosulfan I	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
60-57-1	Dieldrin	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
72-55-9	4,4-DDE	5.40		1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
72-20-8	Endrin	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
33213-65-9	Endosulfan II	3.10	U	1	0.54	3.10	ug/kg	10/21/25 18:57	PB170179
72-54-8	4,4-DDD	3.10	U	1	0.28	3.10	ug/kg	10/21/25 18:57	PB170179
1031-07-8	Endosulfan Sulfate	3.10	U	1	0.24	3.10	ug/kg	10/21/25 18:57	PB170179
50-29-3	4,4-DDT	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
72-43-5	Methoxychlor	3.10	U	1	0.68	3.10	ug/kg	10/21/25 18:57	PB170179
53494-70-5	Endrin ketone	3.10	U	1	0.35	3.10	ug/kg	10/21/25 18:57	PB170179
7421-93-4	Endrin aldehyde	3.10	U	1	0.68	3.10	ug/kg	10/21/25 18:57	PB170179
5103-71-9	alpha-Chlordane	3.10	U	1	0.22	3.10	ug/kg	10/21/25 18:57	PB170179
5103-74-2	gamma-Chlordane	3.10	U	1	0.28	3.10	ug/kg	10/21/25 18:57	PB170179
8001-35-2	Toxaphene	61.0	U	1	10.0	61.0	ug/kg	10/21/25 18:57	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.4			20 - 144	87%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.2			19 - 148	86%	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\PD102125\
 Data File : PD090743.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 18:57
 Operator : AR\AJ
 Sample : Q3393-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S10-022047-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:12:23 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	50318705	511.6E6	16.158m	17.181
2)	SA Decachlor...	9.066	8.061	75577531	527.2E6	16.156	17.405
Target Compounds							
12)	B 4,4'-DDE	6.190	5.366	47053031	279.8E6	8.834	6.382 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 18:57
Operator : AR\AJ
Sample : Q3393-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

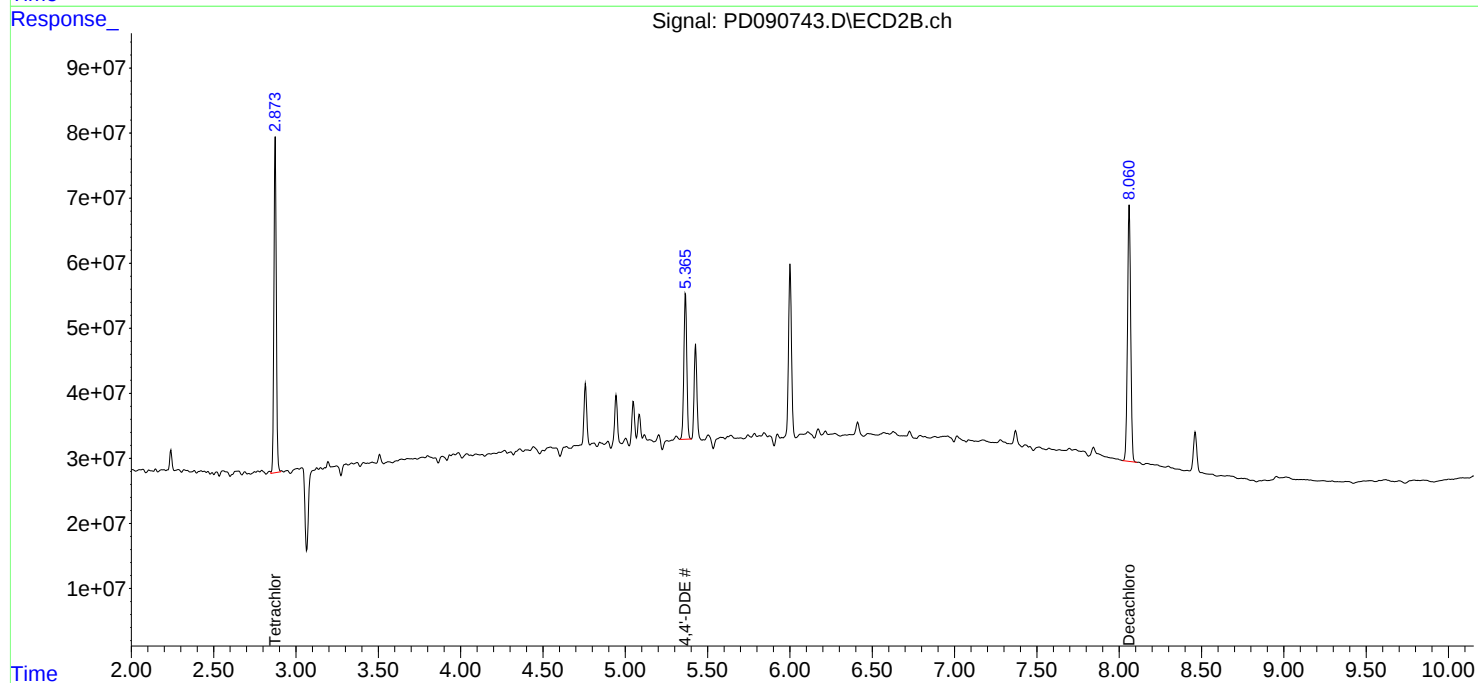
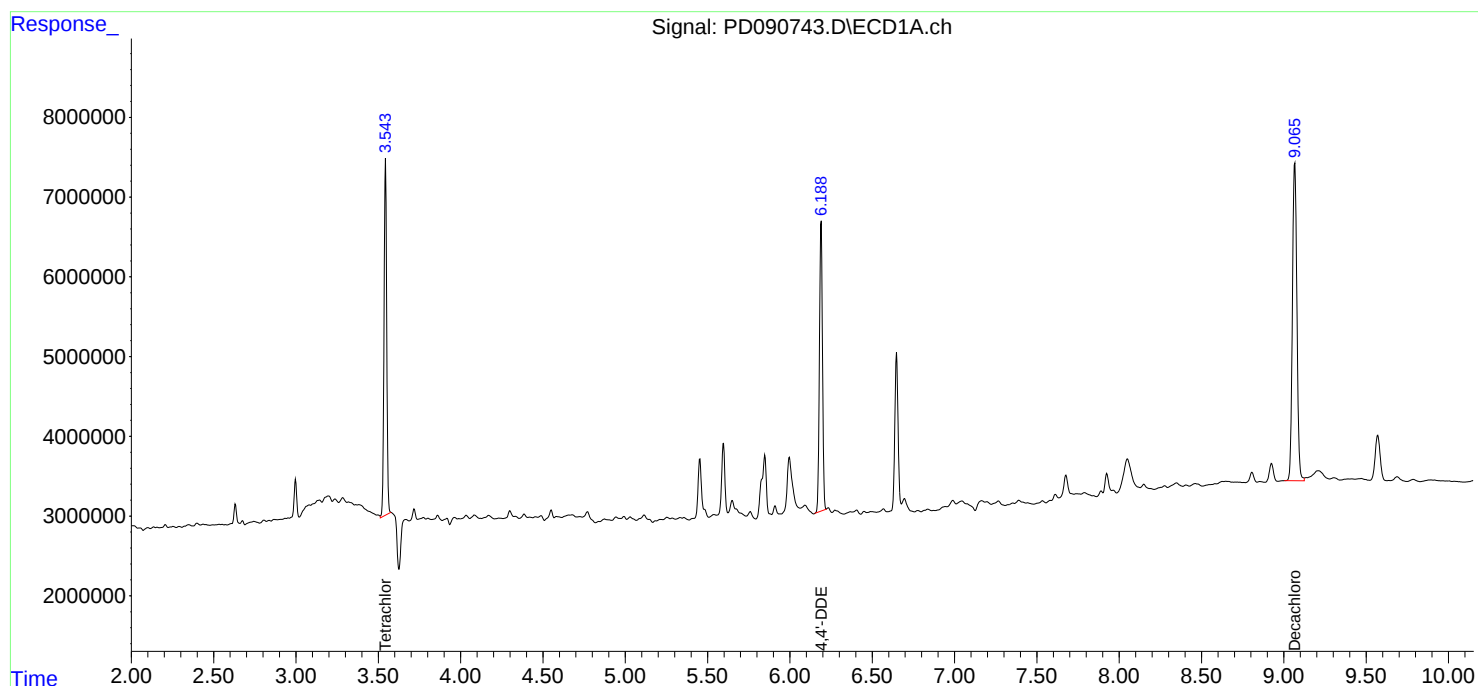
Instrument :
ECD_D
ClientSampleId :
PR132-S10-022047-20251017

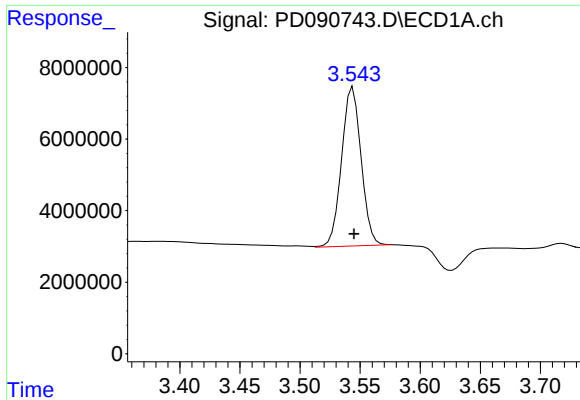
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/24/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:12:23 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





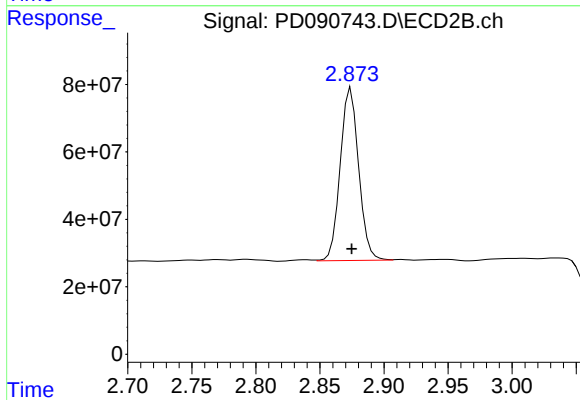
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 50318705
Conc: 16.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S10-022047-20251017

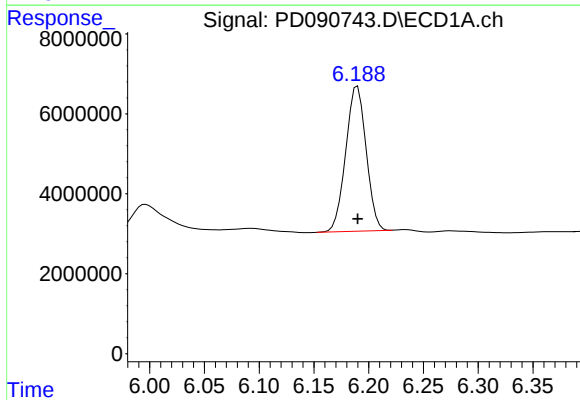
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



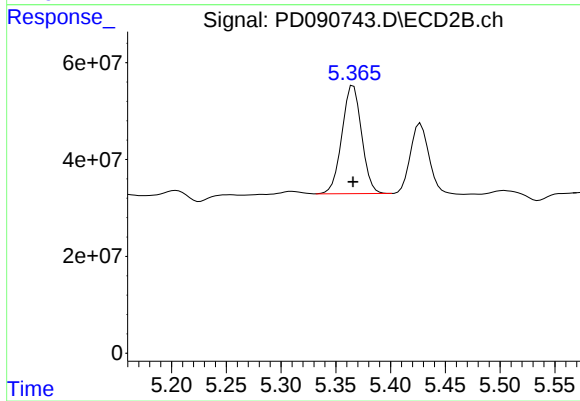
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 511599345
Conc: 17.18 ng/ml



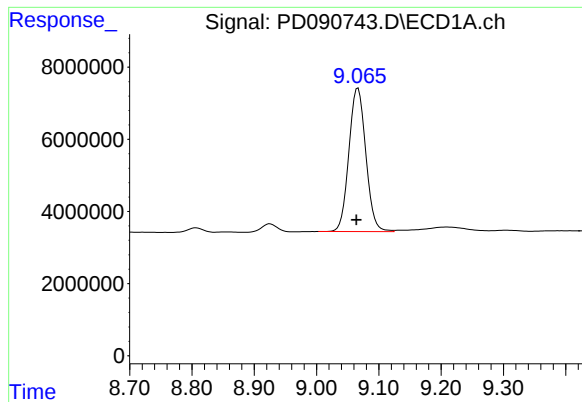
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 47053031
Conc: 8.83 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 279756402
Conc: 6.38 ng/ml



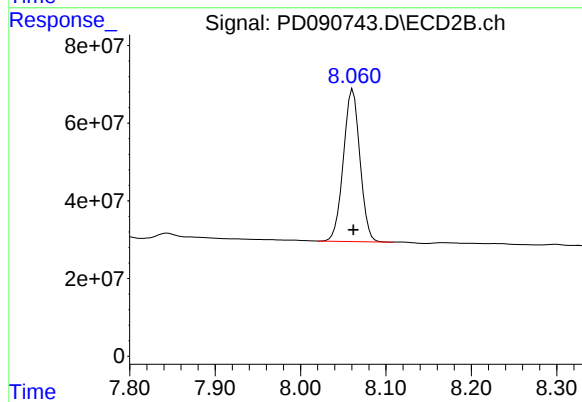
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 75577531
Conc: 16.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S10-022047-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 527218732
Conc: 17.40 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:	PR132-S08-013038-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-03		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	52.8
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.20	U	1	0.25	3.20	ug/kg	10/21/25 20:32	PB170179
319-85-7	beta-BHC	3.20	U	1	0.34	3.20	ug/kg	10/21/25 20:32	PB170179
319-86-8	delta-BHC	3.20	U	1	0.74	3.20	ug/kg	10/21/25 20:32	PB170179
58-89-9	gamma-BHC (Lindane)	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
76-44-8	Heptachlor	3.20	U	1	0.23	3.20	ug/kg	10/21/25 20:32	PB170179
309-00-2	Aldrin	3.20	U	1	0.23	3.20	ug/kg	10/21/25 20:32	PB170179
1024-57-3	Heptachlor epoxide	3.20	U	1	0.36	3.20	ug/kg	10/21/25 20:32	PB170179
959-98-8	Endosulfan I	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
60-57-1	Dieldrin	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
72-55-9	4,4-DDE	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
72-20-8	Endrin	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
33213-65-9	Endosulfan II	3.20	U	1	0.55	3.20	ug/kg	10/21/25 20:32	PB170179
72-54-8	4,4-DDD	3.20	U	1	0.28	3.20	ug/kg	10/21/25 20:32	PB170179
1031-07-8	Endosulfan Sulfate	3.20	U	1	0.25	3.20	ug/kg	10/21/25 20:32	PB170179
50-29-3	4,4-DDT	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
72-43-5	Methoxychlor	3.20	U	1	0.70	3.20	ug/kg	10/21/25 20:32	PB170179
53494-70-5	Endrin ketone	3.20	U	1	0.36	3.20	ug/kg	10/21/25 20:32	PB170179
7421-93-4	Endrin aldehyde	3.20	U	1	0.70	3.20	ug/kg	10/21/25 20:32	PB170179
5103-71-9	alpha-Chlordane	3.20	U	1	0.23	3.20	ug/kg	10/21/25 20:32	PB170179
5103-74-2	gamma-Chlordane	3.20	U	1	0.28	3.20	ug/kg	10/21/25 20:32	PB170179
8001-35-2	Toxaphene	62.4	U	1	10.2	62.4	ug/kg	10/21/25 20:32	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.8			20 - 144	69%	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\PD102125\
 Data File : PD090747.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 20:32
 Operator : AR\AJ
 Sample : Q3393-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S08-013038-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:13:05 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...	3.543	2.873	43628340	471.1E6	14.010m	15.821
28) SA Decachlor...	9.066	8.061	64655517	392.9E6	13.821	12.970

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 20:32
Operator : AR\AJ
Sample : Q3393-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

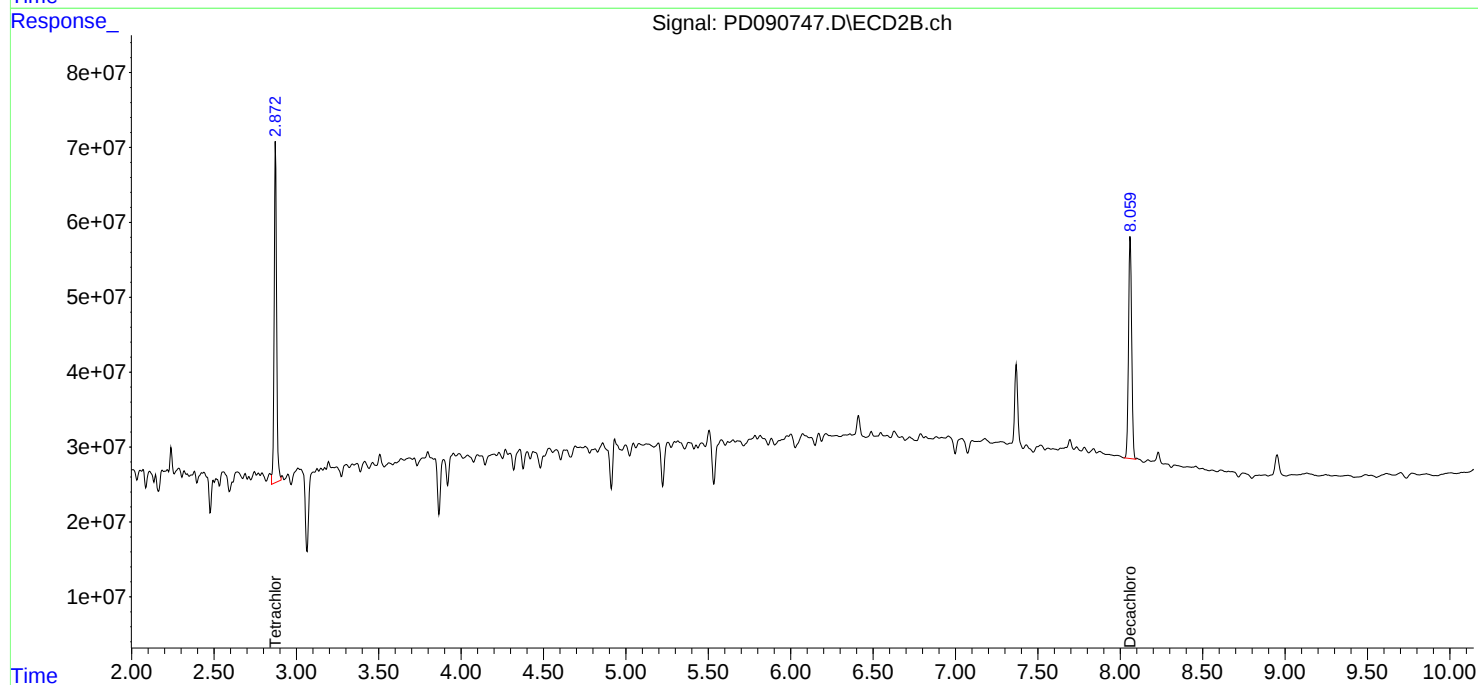
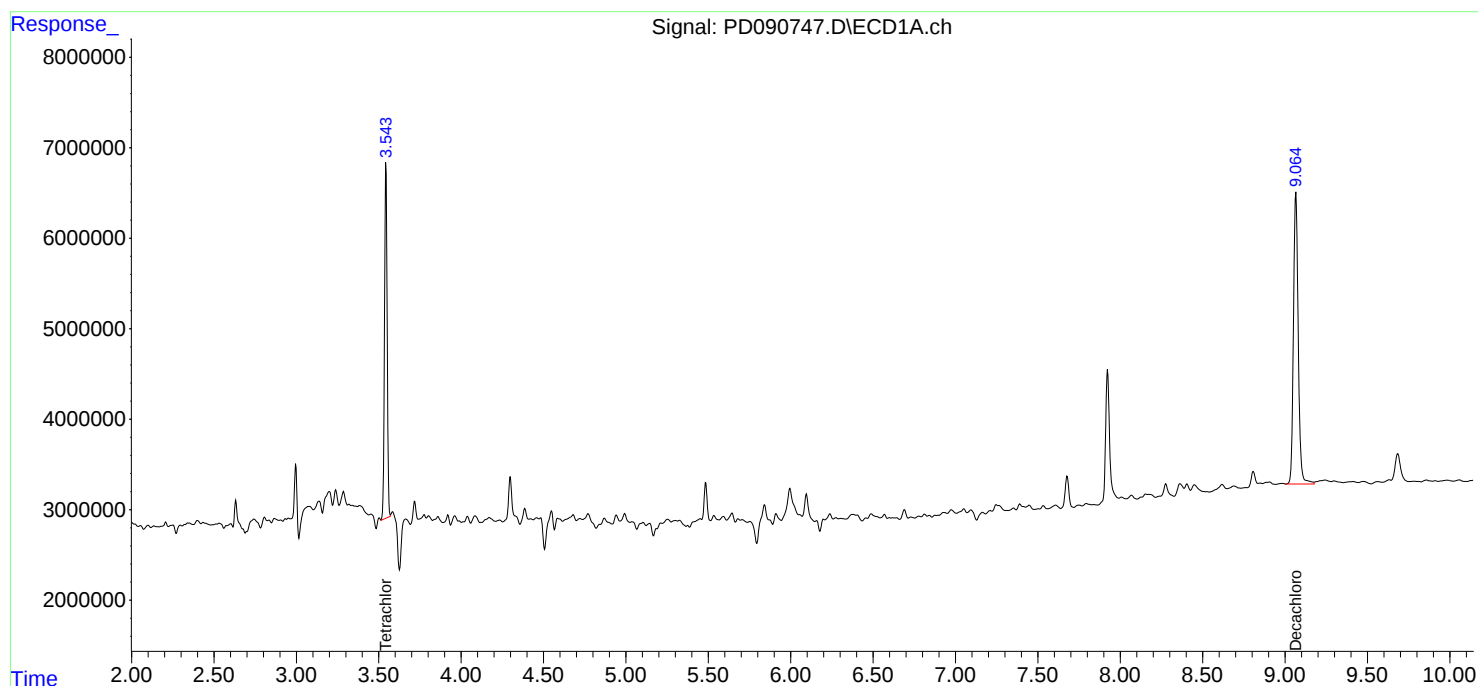
Instrument :
ECD_D
ClientSampleId :
PR132-S08-013038-20251017

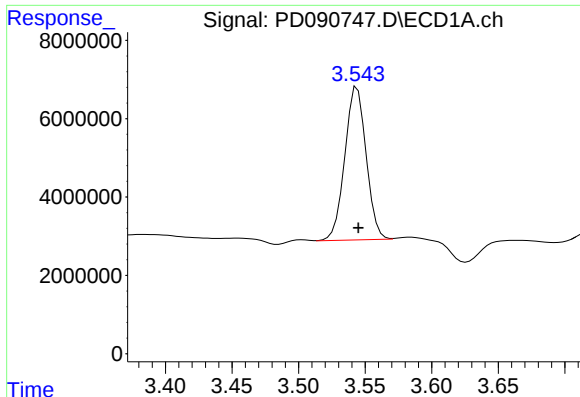
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/24/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:13:05 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





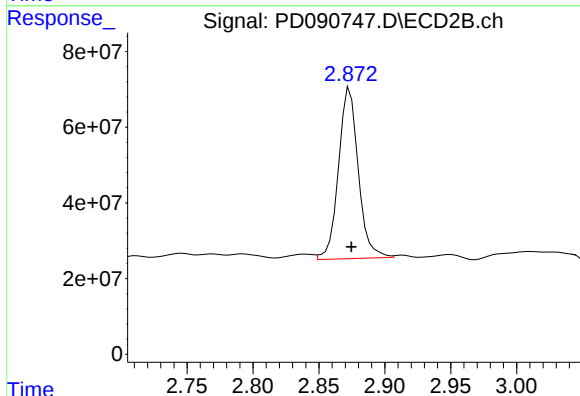
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 43628340
Conc: 14.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S08-013038-20251017

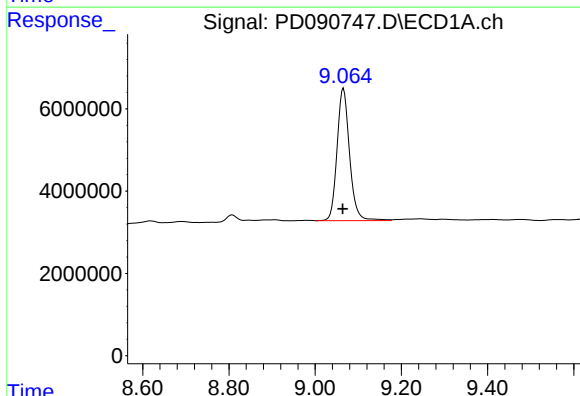
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



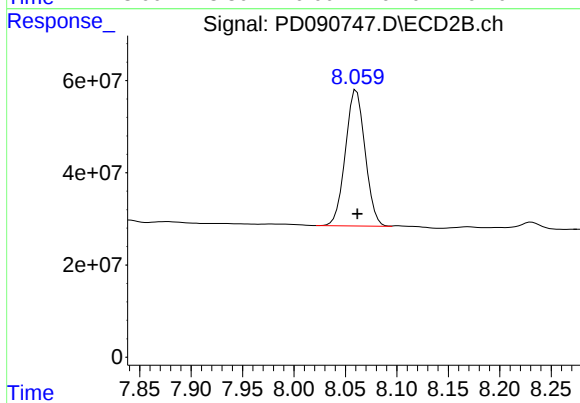
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 471112360
Conc: 15.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 64655517
Conc: 13.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 392874809
Conc: 12.97 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:	PR132-S06-000021-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-04		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	56.2
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.00	U	1	0.23	3.00	ug/kg	10/21/25 20:46	PB170179
319-85-7	beta-BHC	3.00	U	1	0.32	3.00	ug/kg	10/21/25 20:46	PB170179
319-86-8	delta-BHC	3.00	U	1	0.69	3.00	ug/kg	10/21/25 20:46	PB170179
58-89-9	gamma-BHC (Lindane)	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
76-44-8	Heptachlor	3.00	U	1	0.21	3.00	ug/kg	10/21/25 20:46	PB170179
309-00-2	Aldrin	3.00	U	1	0.21	3.00	ug/kg	10/21/25 20:46	PB170179
1024-57-3	Heptachlor epoxide	3.00	U	1	0.34	3.00	ug/kg	10/21/25 20:46	PB170179
959-98-8	Endosulfan I	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
60-57-1	Dieldrin	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
72-55-9	4,4-DDE	2.20	JP	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
72-20-8	Endrin	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
33213-65-9	Endosulfan II	3.00	U	1	0.51	3.00	ug/kg	10/21/25 20:46	PB170179
72-54-8	4,4-DDD	3.00	U	1	0.27	3.00	ug/kg	10/21/25 20:46	PB170179
1031-07-8	Endosulfan Sulfate	3.00	U	1	0.23	3.00	ug/kg	10/21/25 20:46	PB170179
50-29-3	4,4-DDT	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
72-43-5	Methoxychlor	3.00	U	1	0.66	3.00	ug/kg	10/21/25 20:46	PB170179
53494-70-5	Endrin ketone	3.00	U	1	0.34	3.00	ug/kg	10/21/25 20:46	PB170179
7421-93-4	Endrin aldehyde	3.00	U	1	0.66	3.00	ug/kg	10/21/25 20:46	PB170179
5103-71-9	alpha-Chlordane	3.00	U	1	0.21	3.00	ug/kg	10/21/25 20:46	PB170179
5103-74-2	gamma-Chlordane	3.00	U	1	0.27	3.00	ug/kg	10/21/25 20:46	PB170179
8001-35-2	Toxaphene	58.6	U	1	9.60	58.6	ug/kg	10/21/25 20:46	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.0			20 - 144	90%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.2			19 - 148	96%	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\PD102125\
 Data File : PD090748.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 20:46
 Operator : AR\AJ
 Sample : Q3393-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S06-000021-20251017

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:13:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.873	54374789	571.6E6	17.460m	19.196
28)	SA Decachlor...	9.066	8.061	81308790	546.3E6	17.381	18.034
Target Compounds							
12)	B 4,4'-DDE	6.190	5.365	19428377	92677923	3.647	2.114 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 20:46
Operator : AR\AJ
Sample : Q3393-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

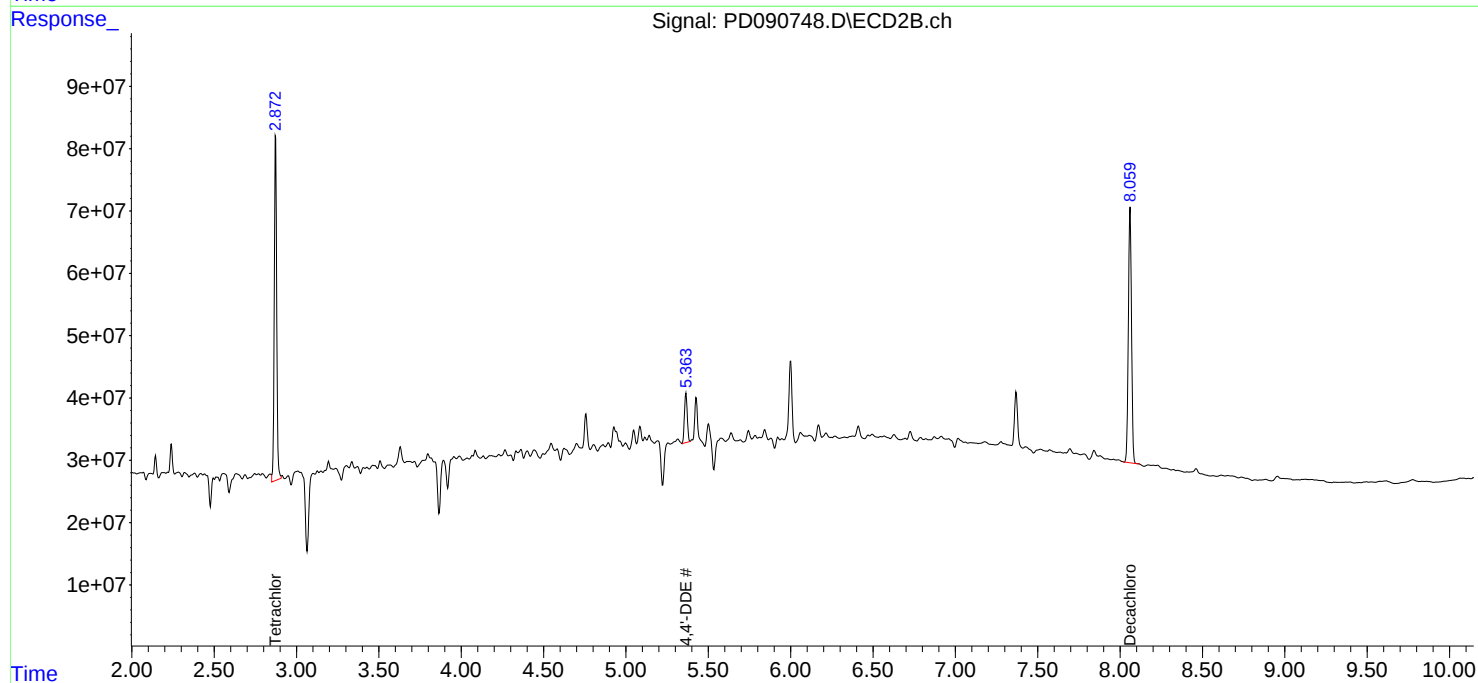
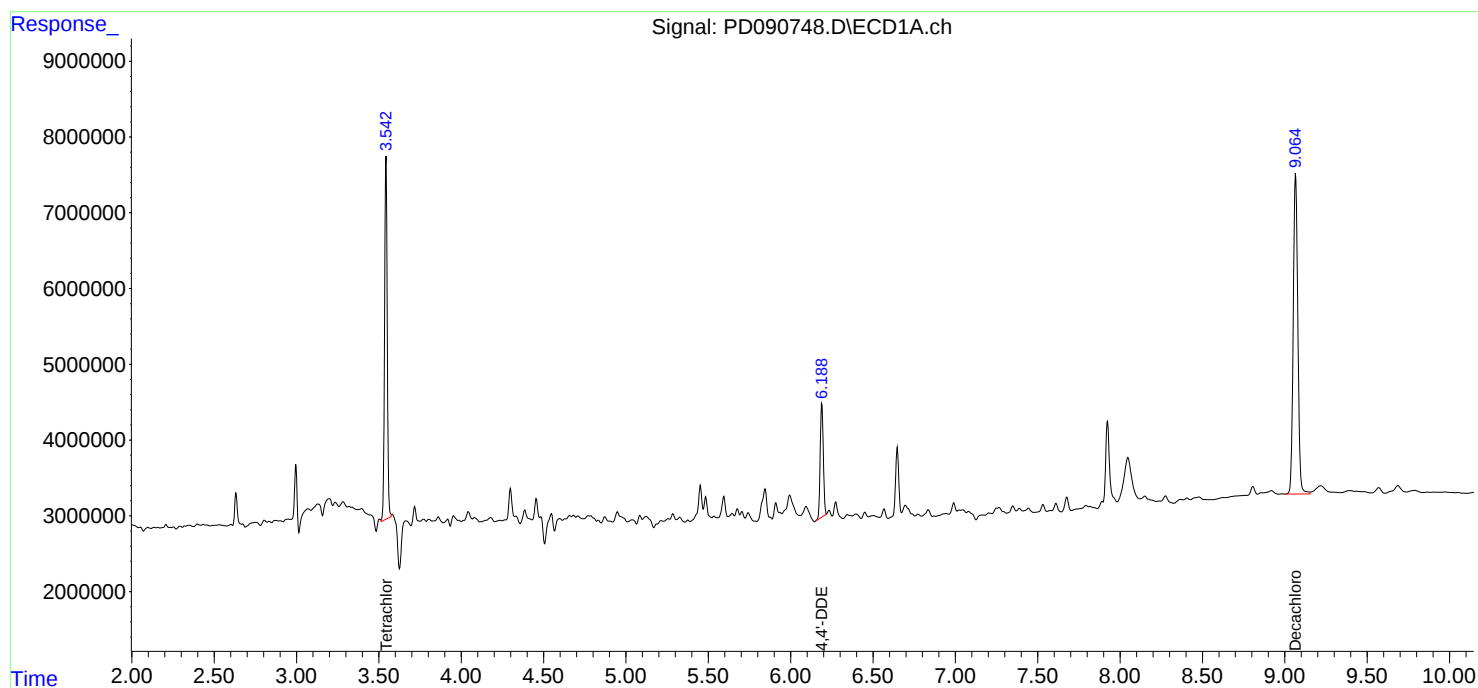
Instrument :
ECD_D
ClientSampleId :
PR132-S06-000021-20251017

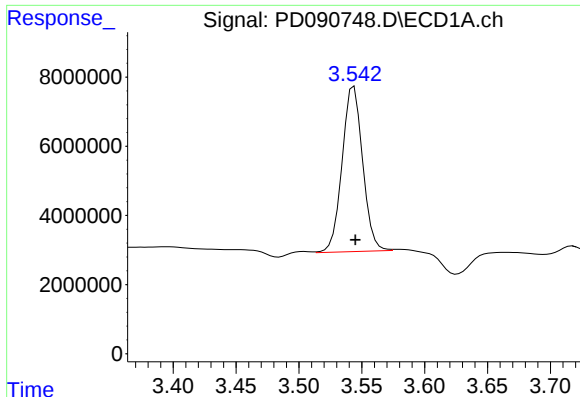
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:13:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





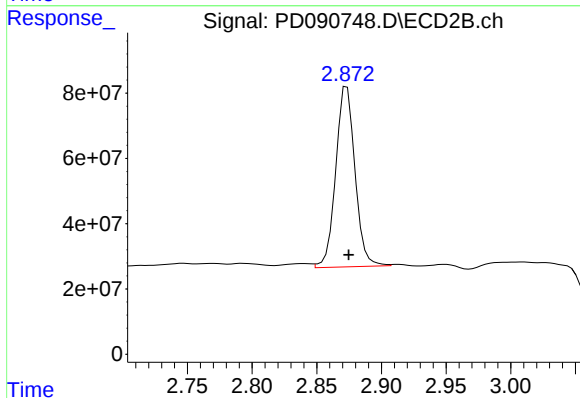
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 54374789
Conc: 17.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S06-000021-20251017

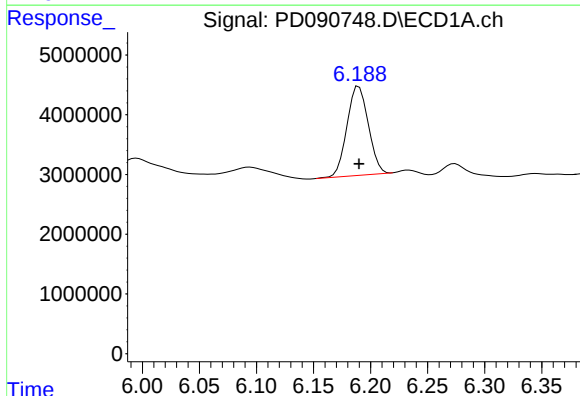
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



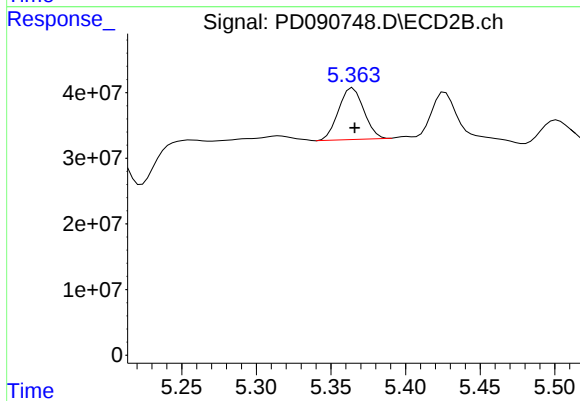
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 571599898
Conc: 19.20 ng/ml



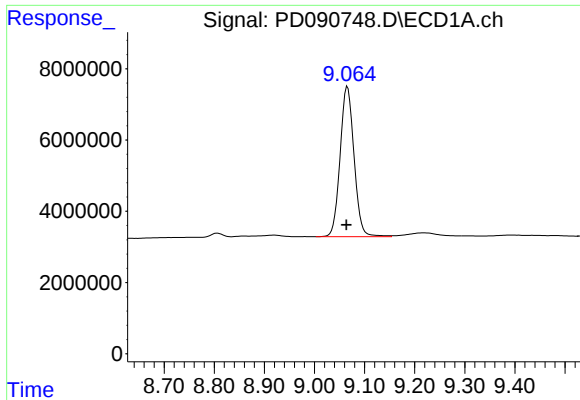
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 19428377
Conc: 3.65 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.001 min
Response: 92677923
Conc: 2.11 ng/ml



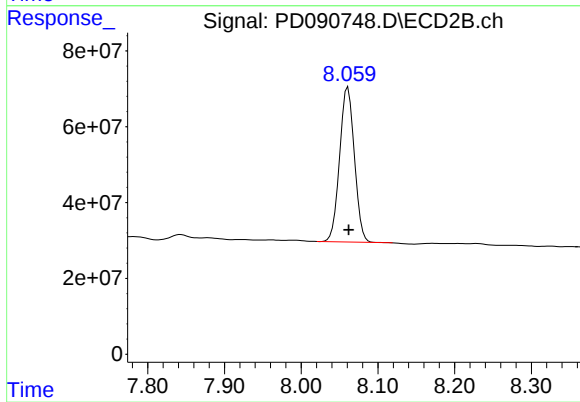
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 81308790
Conc: 17.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S06-000021-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 546269576
Conc: 18.03 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:	PR132-S08-000013-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-05		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	52
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.30	U	1	0.25	3.30	ug/kg	10/21/25 21:00	PB170179
319-85-7	beta-BHC	3.30	U	1	0.35	3.30	ug/kg	10/21/25 21:00	PB170179
319-86-8	delta-BHC	3.30	U	1	0.75	3.30	ug/kg	10/21/25 21:00	PB170179
58-89-9	gamma-BHC (Lindane)	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
76-44-8	Heptachlor	3.30	U	1	0.23	3.30	ug/kg	10/21/25 21:00	PB170179
309-00-2	Aldrin	3.30	U	1	0.23	3.30	ug/kg	10/21/25 21:00	PB170179
1024-57-3	Heptachlor epoxide	3.30	U	1	0.36	3.30	ug/kg	10/21/25 21:00	PB170179
959-98-8	Endosulfan I	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
60-57-1	Dieldrin	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
72-55-9	4,4-DDE	1.80	JP	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
72-20-8	Endrin	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
33213-65-9	Endosulfan II	3.30	U	1	0.56	3.30	ug/kg	10/21/25 21:00	PB170179
72-54-8	4,4-DDD	3.30	U	1	0.29	3.30	ug/kg	10/21/25 21:00	PB170179
1031-07-8	Endosulfan Sulfate	3.30	U	1	0.25	3.30	ug/kg	10/21/25 21:00	PB170179
50-29-3	4,4-DDT	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
72-43-5	Methoxychlor	3.30	U	1	0.71	3.30	ug/kg	10/21/25 21:00	PB170179
53494-70-5	Endrin ketone	3.30	U	1	0.36	3.30	ug/kg	10/21/25 21:00	PB170179
7421-93-4	Endrin aldehyde	3.30	U	1	0.71	3.30	ug/kg	10/21/25 21:00	PB170179
5103-71-9	alpha-Chlordane	3.30	U	1	0.23	3.30	ug/kg	10/21/25 21:00	PB170179
5103-74-2	gamma-Chlordane	3.30	U	1	0.29	3.30	ug/kg	10/21/25 21:00	PB170179
8001-35-2	Toxaphene	63.4	U	1	10.4	63.4	ug/kg	10/21/25 21:00	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.2			20 - 144	86%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.5			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\PD102125\
 Data File : PD090749.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 21:00
 Operator : AR\AJ
 Sample : Q3393-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S08-000013-20251017

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:13:26 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...	3.542	2.872	47846488	520.0E6	15.364m	17.462m
28) SA Decachlor...	9.066	8.061	76962732	520.3E6	16.452	17.175
Target Compounds						
12) B 4,4'-DDE	6.191	5.365	15065687	83180794	2.828	1.897 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090749.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 21:00
Operator : AR\AJ
Sample : Q3393-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

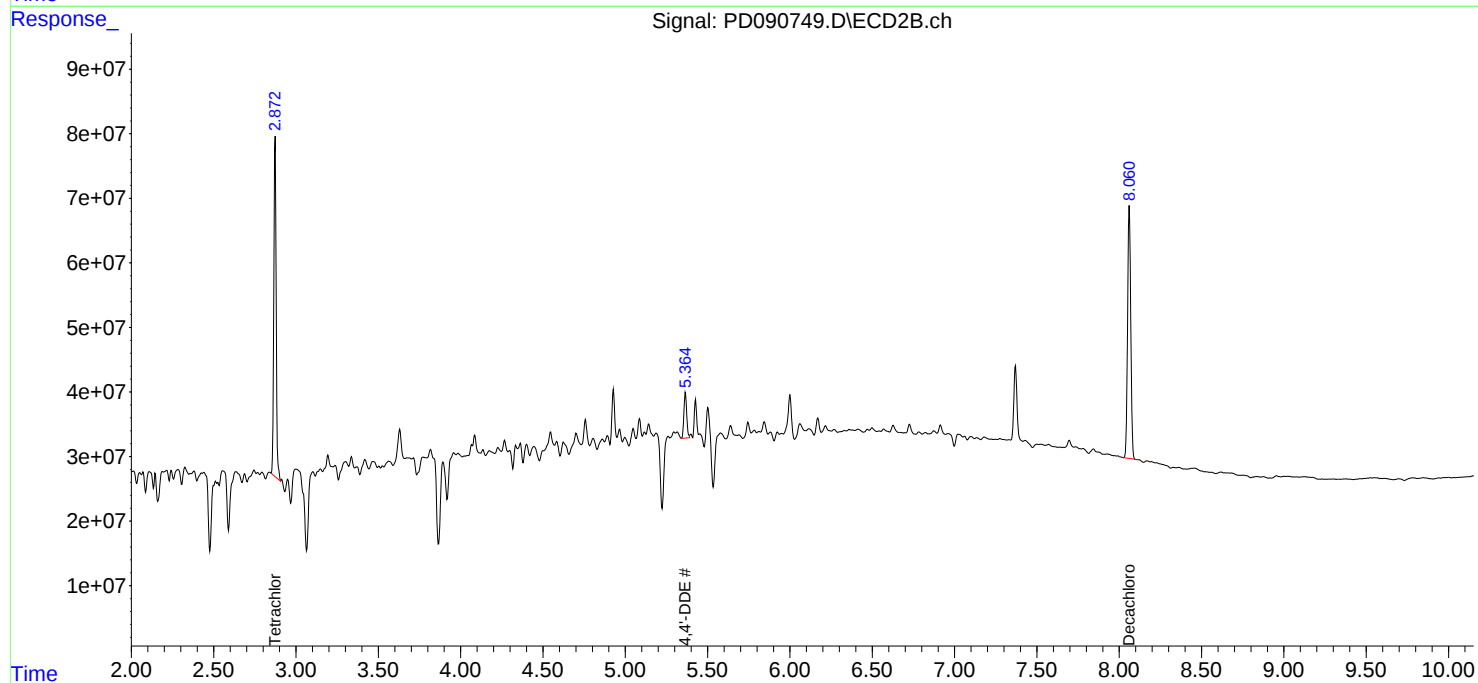
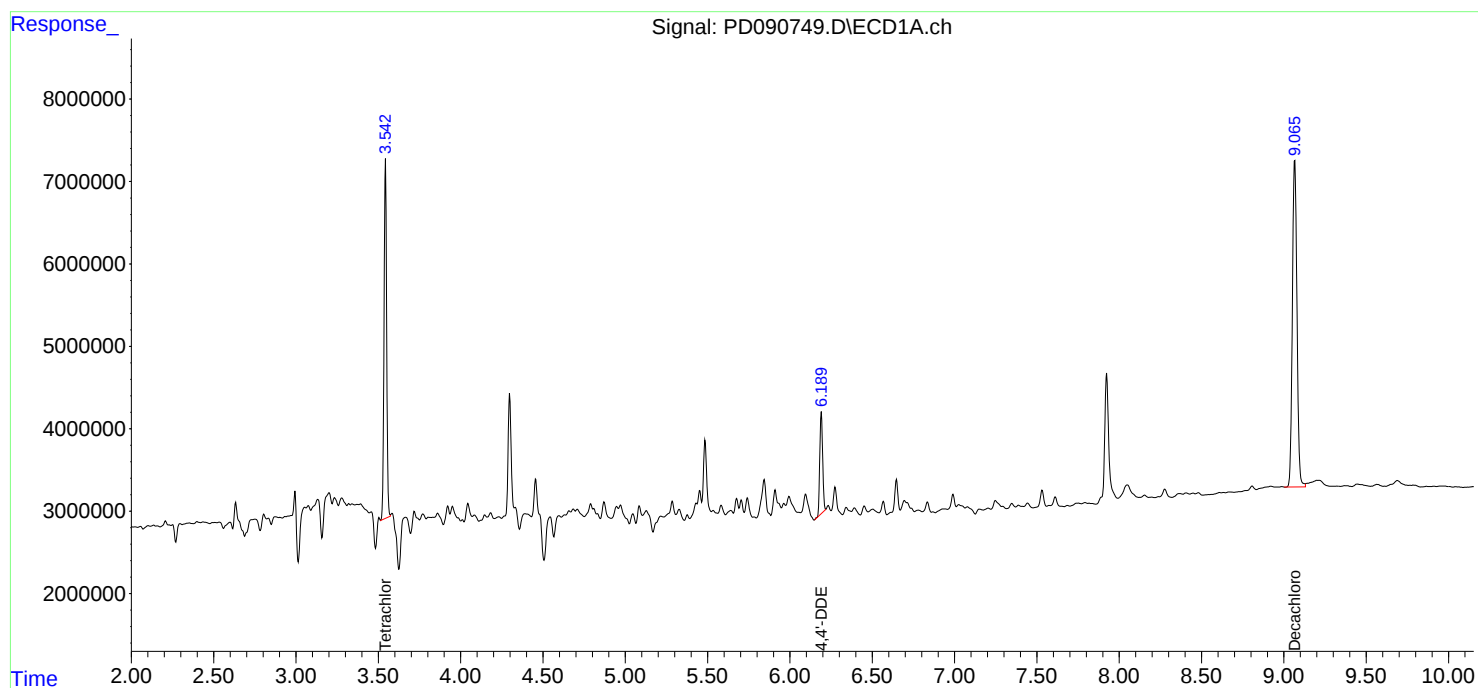
Instrument :
ECD_D
ClientSampleId :
PR132-S08-000013-20251017

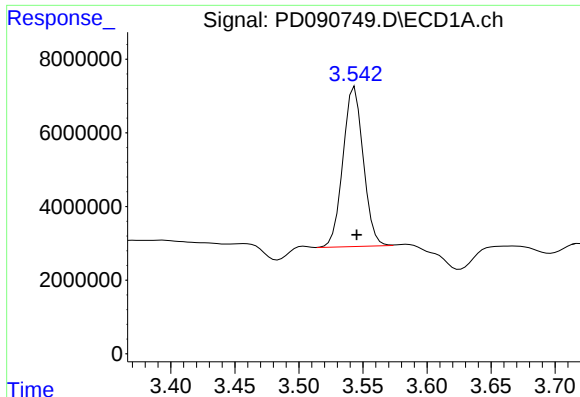
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/24/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:13:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





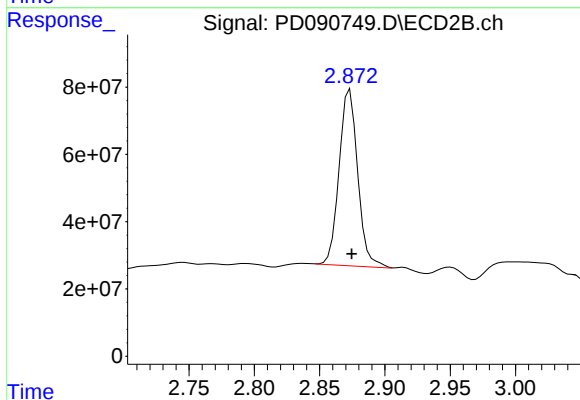
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 47846488
Conc: 15.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S08-000013-20251017

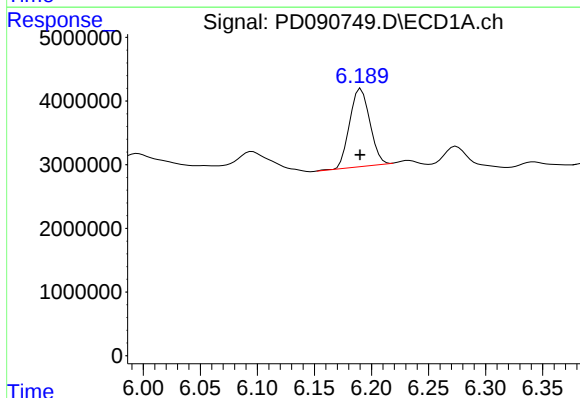
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



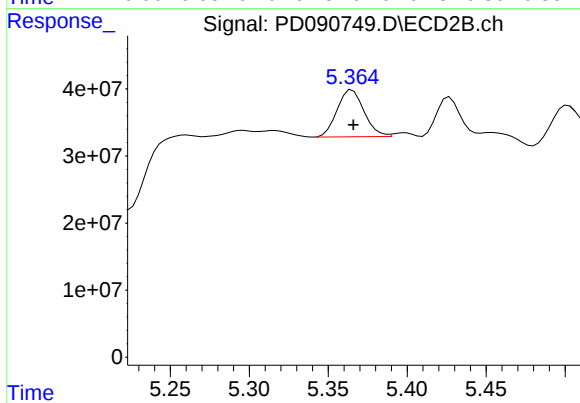
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.003 min
Response: 519956404
Conc: 17.46 ng/ml m



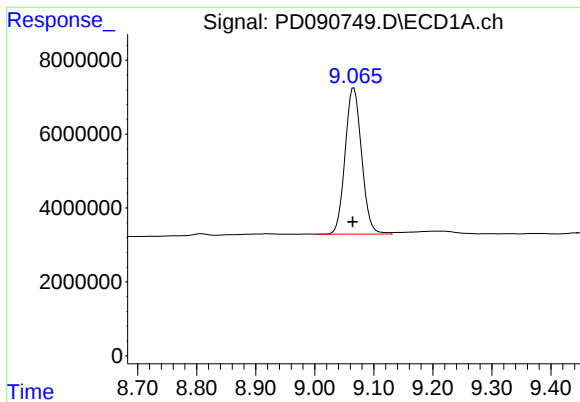
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 15065687
Conc: 2.83 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 83180794
Conc: 1.90 ng/ml



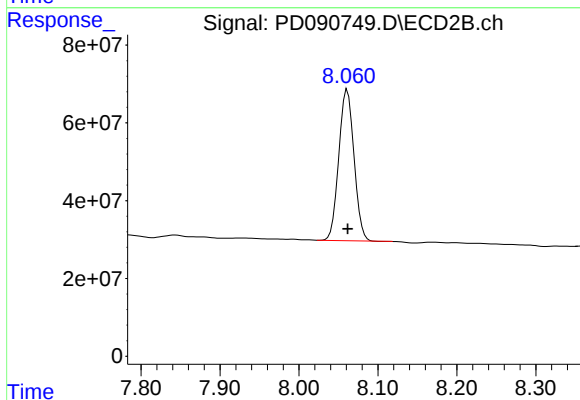
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 76962732
Conc: 16.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S08-000013-20251017

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 520252062
Conc: 17.17 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>Q3393</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>Q3393</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



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3393

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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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3393

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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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
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.:** Q3393
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

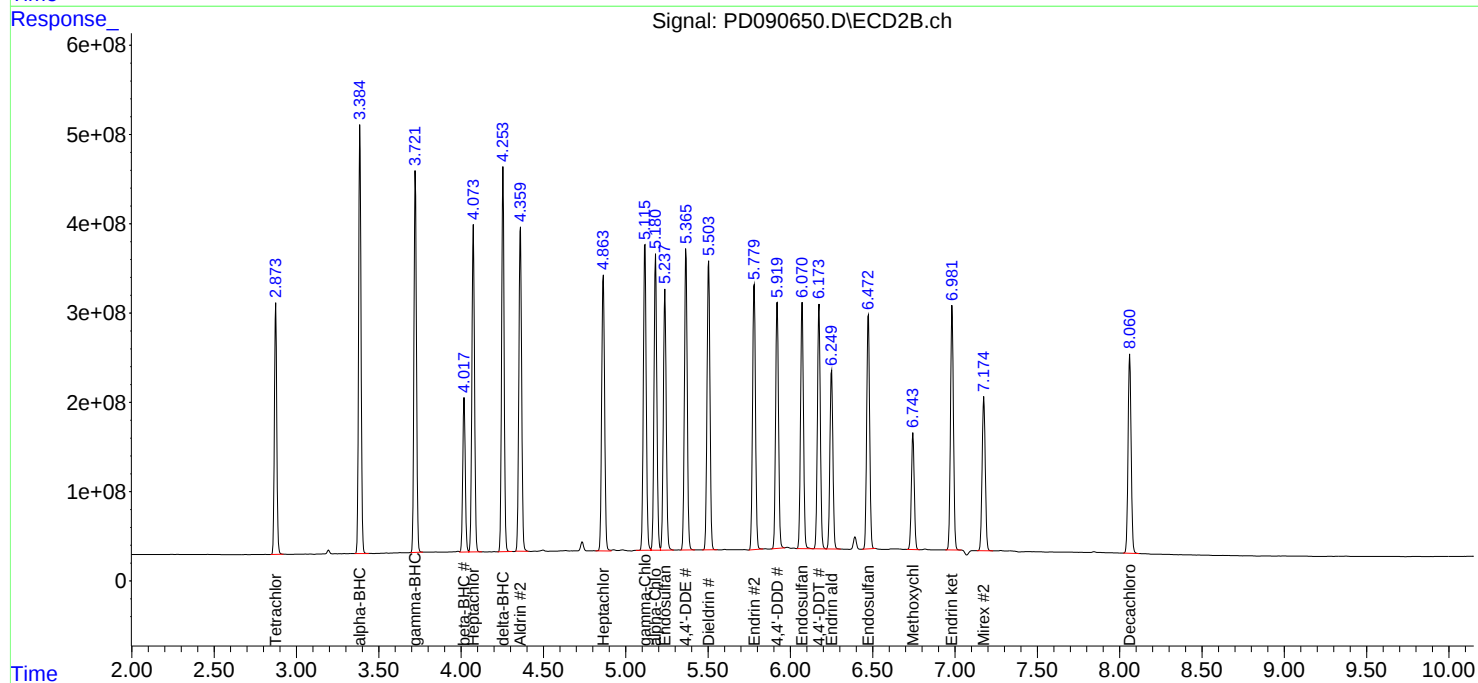
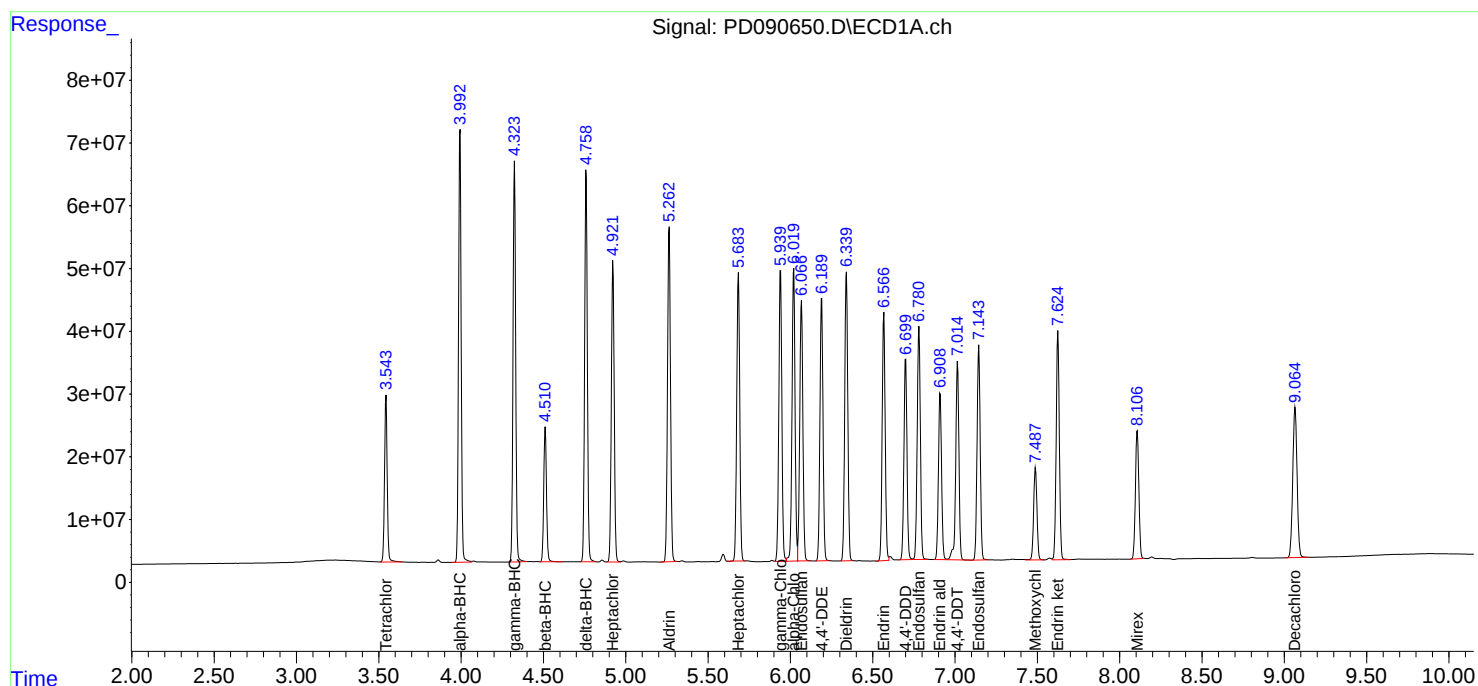
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

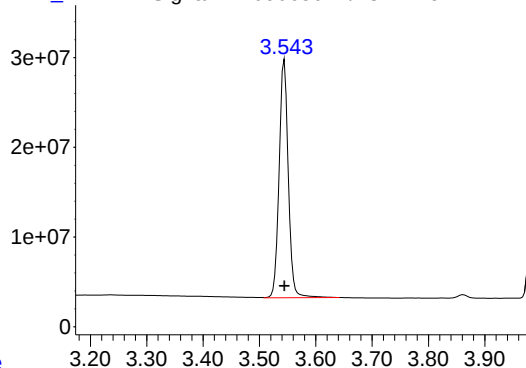
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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

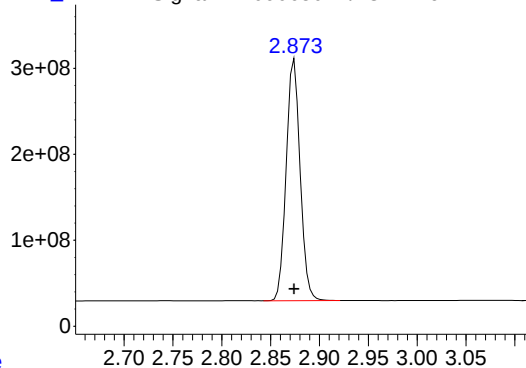


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

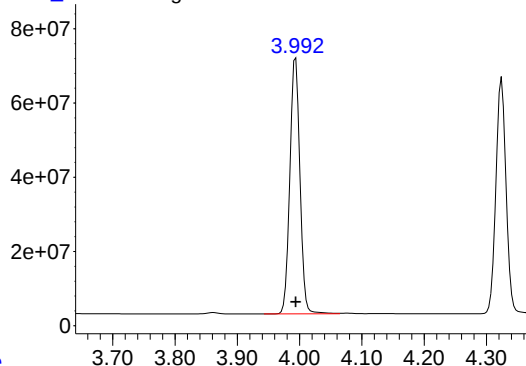
Time Response_ Signal: PD090650.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

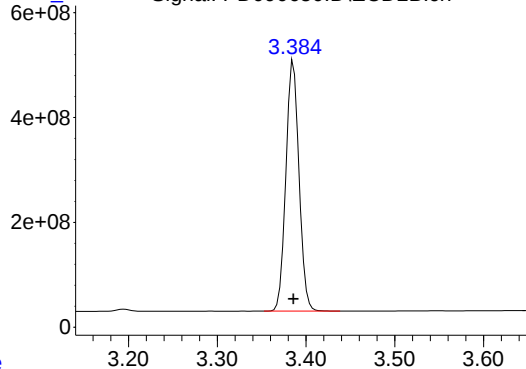
Time Response_ Signal: PD090650.D\ECD1A.ch



#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

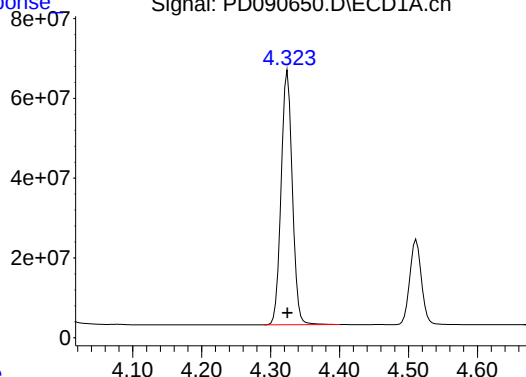
Conc: 102.76 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDICC100



Time

Response_

Signal: PD090650.D\ECD2B.ch

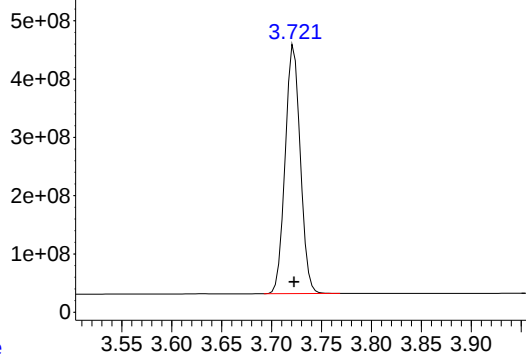
#3 gamma-BHC (Lindane)

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

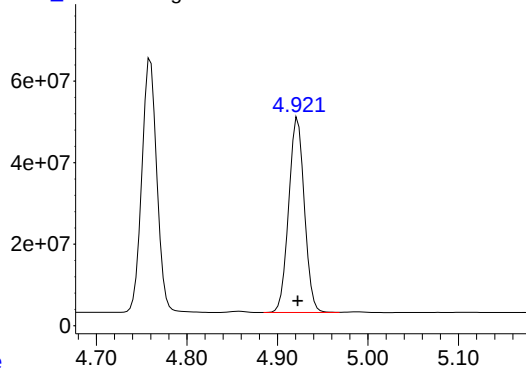
#4 Heptachlor

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

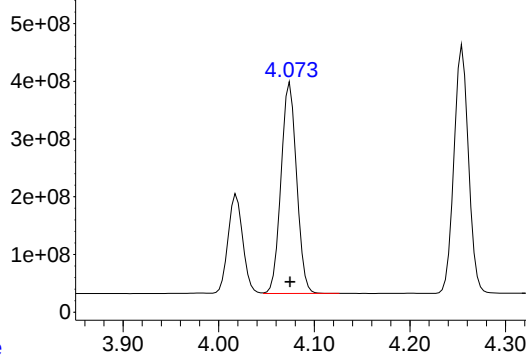
#4 Heptachlor

R.T.: 4.075 min

Delta R.T.: 0.000 min

Response: 4127234386

Conc: 97.67 ng/ml



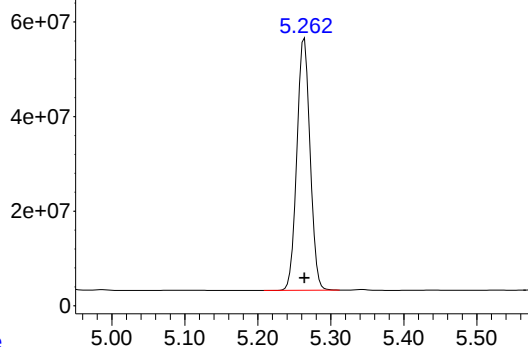
Time

Response_

Signal: PD090650.D\ECD1A.ch

#5 Aldrin

ICAL Form



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

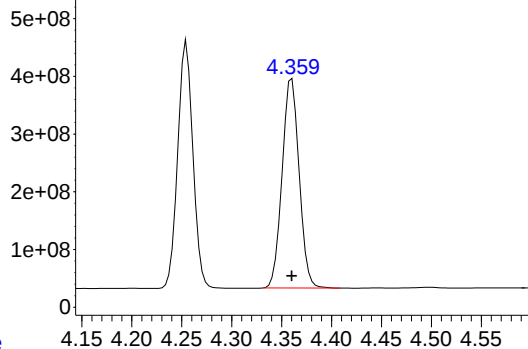
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#5 Aldrin



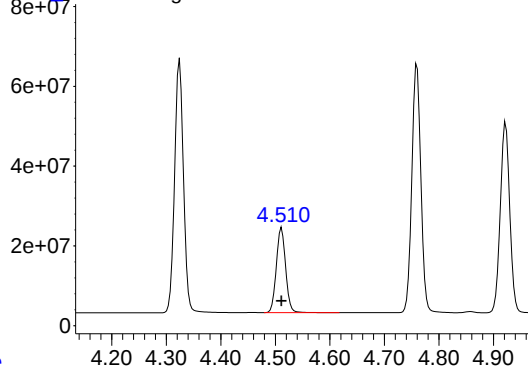
R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 4308380411
Conc: 97.79 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#6 beta-BHC



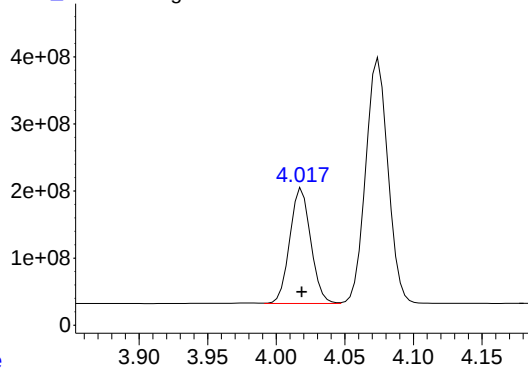
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 251520811
Conc: 99.50 ng/ml

Time

Response_

Signal: PD090650.D\ECD2B.ch

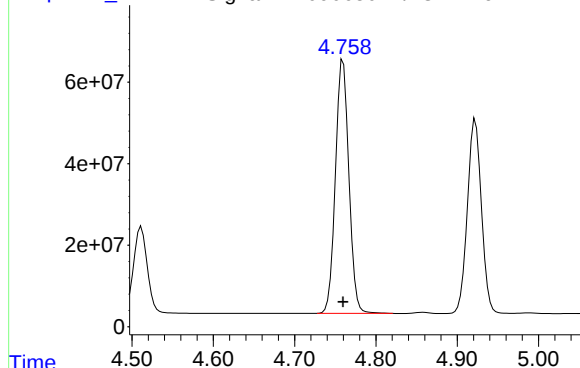
#6 beta-BHC



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

Time

Response_ Signal: PD090650.D\ECD1A.ch

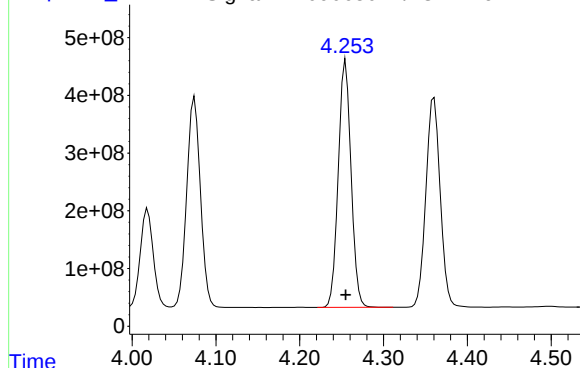


#7 delta-BHC

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

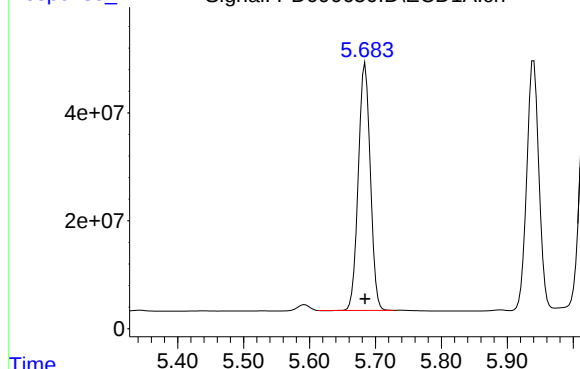
Response_ Signal: PD090650.D\ECD2B.ch



#7 delta-BHC

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

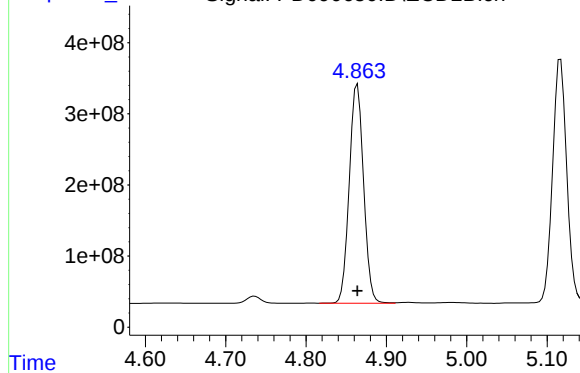
Response_ Signal: PD090650.D\ECD1A.ch



#8 Heptachlor epoxide

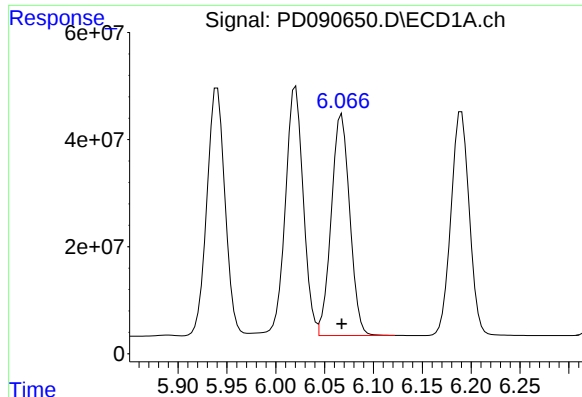
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 579557032
Conc: 100.67 ng/ml

Response_ Signal: PD090650.D\ECD2B.ch



#8 Heptachlor epoxide

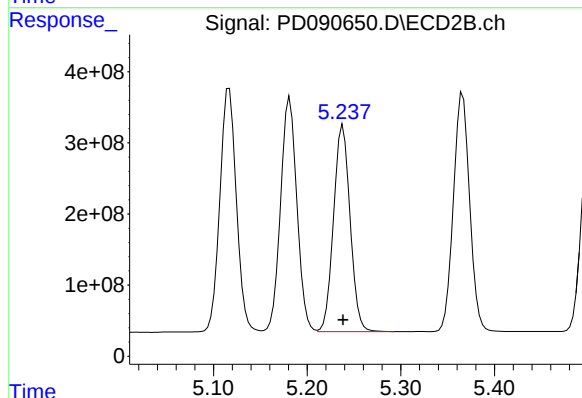
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 3820342410
Conc: 96.87 ng/ml



#9 Endosulfan I

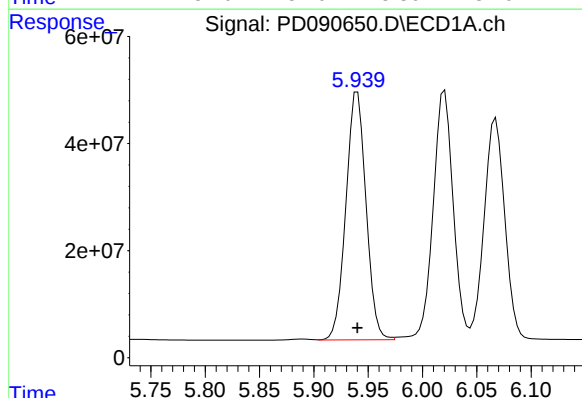
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 545227033
Conc: 100.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



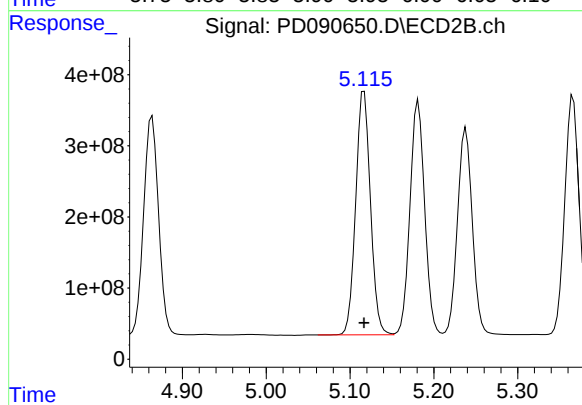
#9 Endosulfan I

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



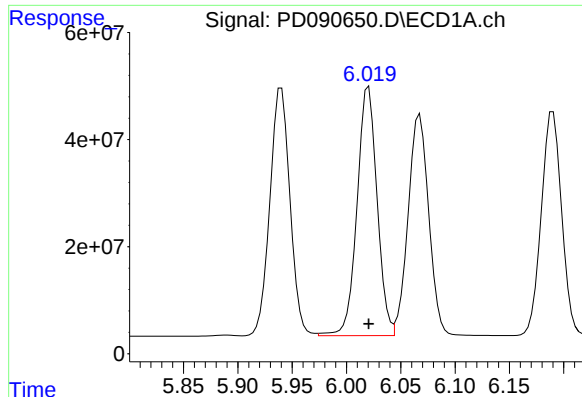
#10 gamma-Chlordane

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



#10 gamma-Chlordane

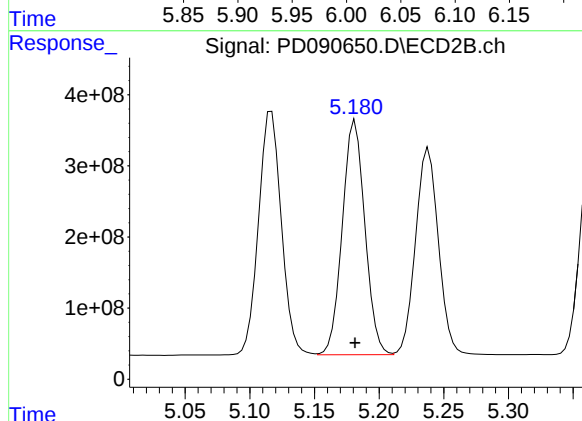
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 4192081714
Conc: 97.87 ng/ml



#11 alpha-Chlordane

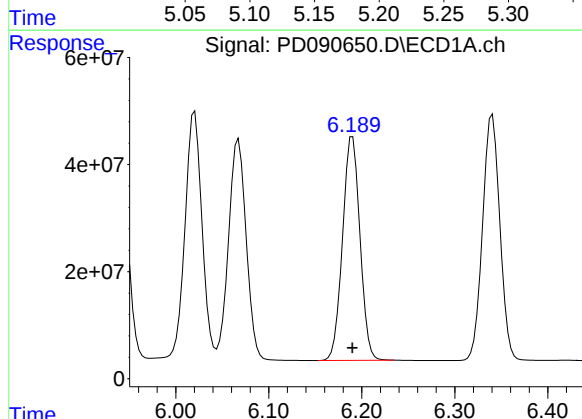
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 596606616
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



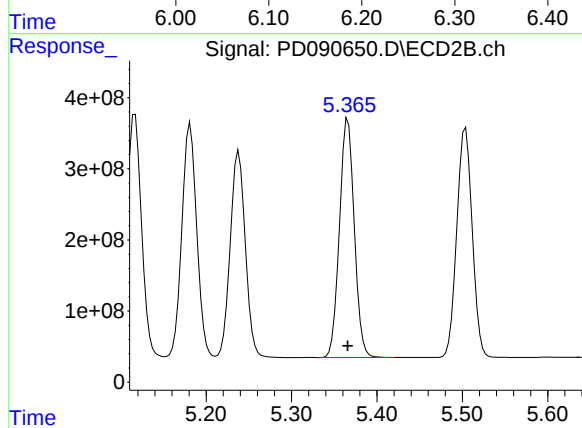
#11 alpha-Chlordane

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



#12 4,4'-DDE

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



#12 4,4'-DDE

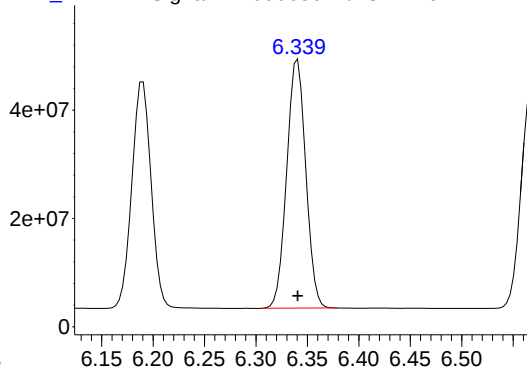
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 4050079316
Conc: 97.53 ng/ml

Response_

Signal: PD090650.D\ECD1A.ch

#13 Dieldrin

ICAL Form



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

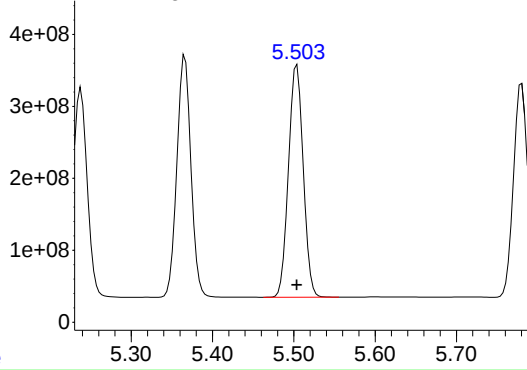
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#13 Dieldrin



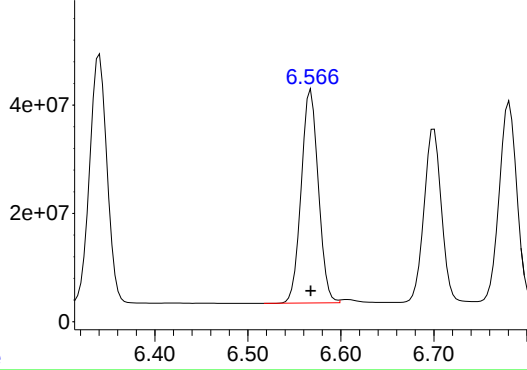
R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 4060107897
Conc: 97.02 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#14 Endrin



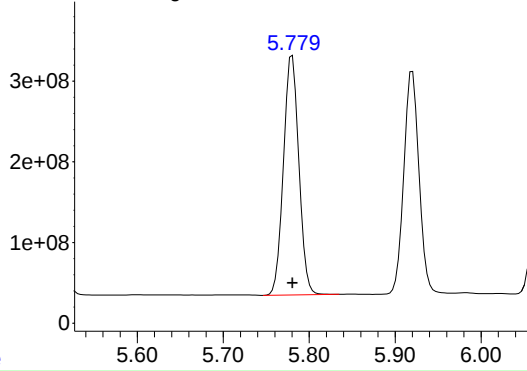
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 503593872
Conc: 100.98 ng/ml

Time

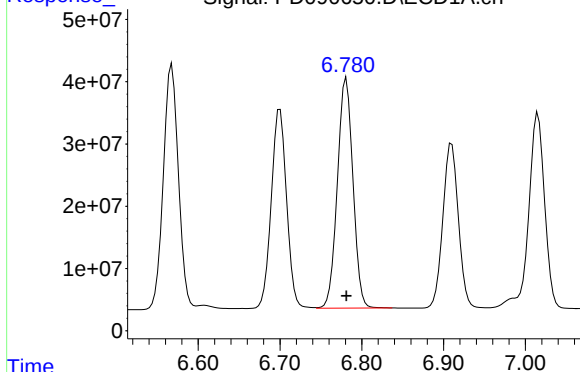
Response_

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

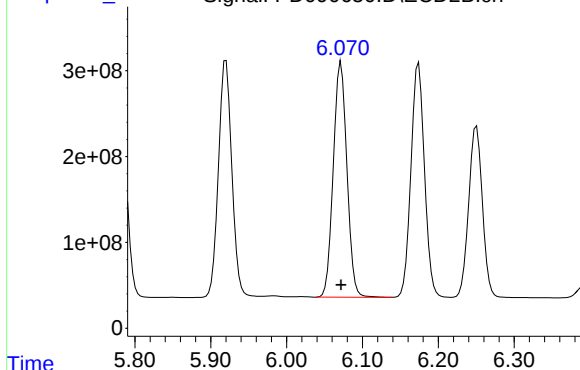
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#15 Endosulfan II



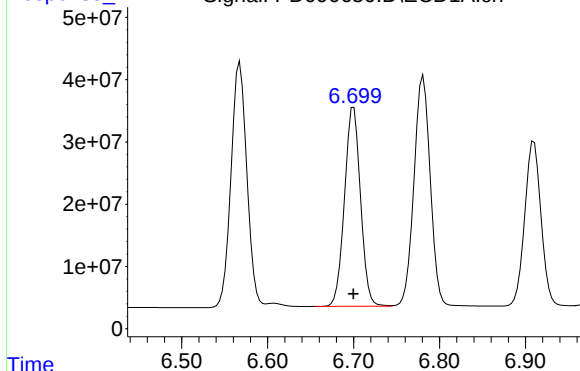
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 3426973062
Conc: 96.94 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#16 4,4'-DDD



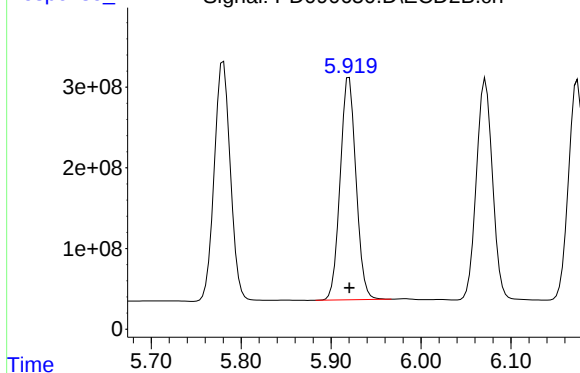
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 415098011
Conc: 101.16 ng/ml

Time

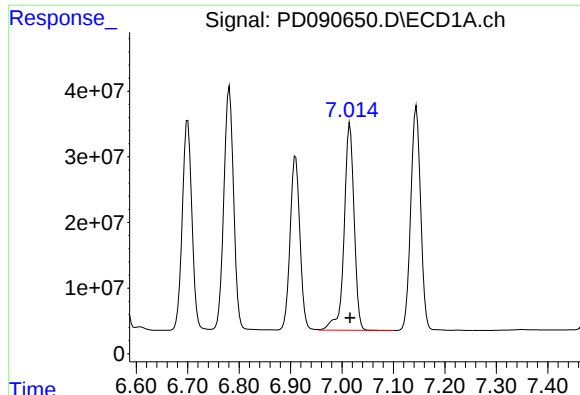
Response_

Signal: PD090650.D\ECD2B.ch

#16 4,4'-DDD



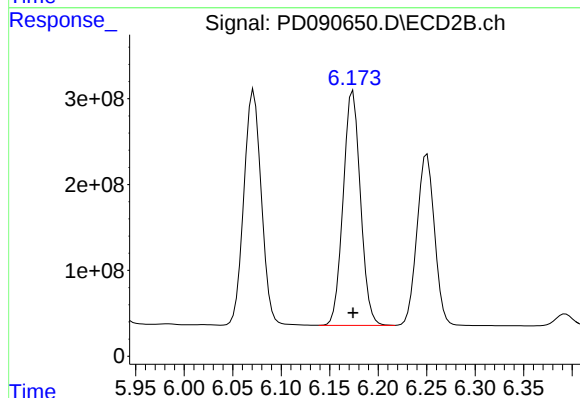
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 3370894623
Conc: 97.33 ng/ml



#17 4,4'-DDT

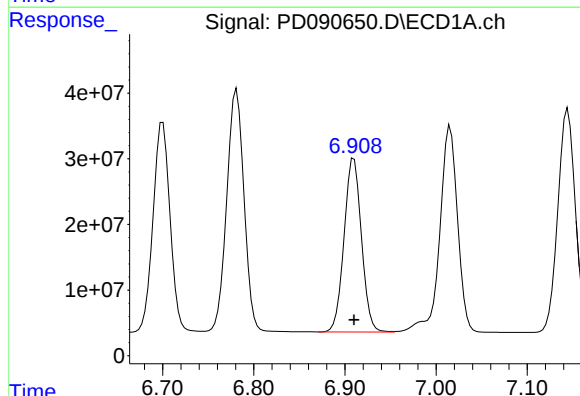
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 425681261
Conc: 101.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



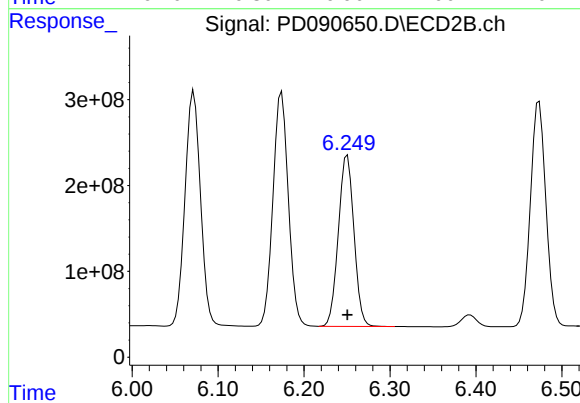
#17 4,4'-DDT

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



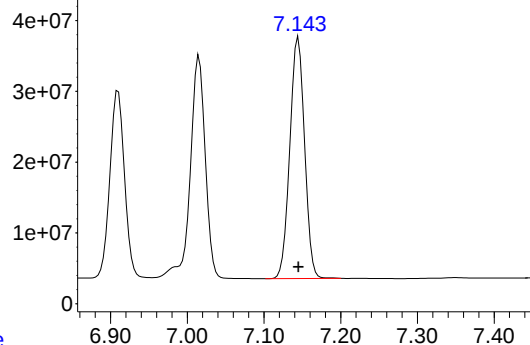
#18 Endrin aldehyde

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

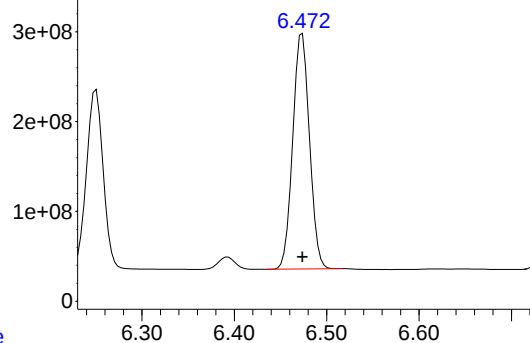
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090650.D\ECD2B.ch

#19 Endosulfan Sulfate



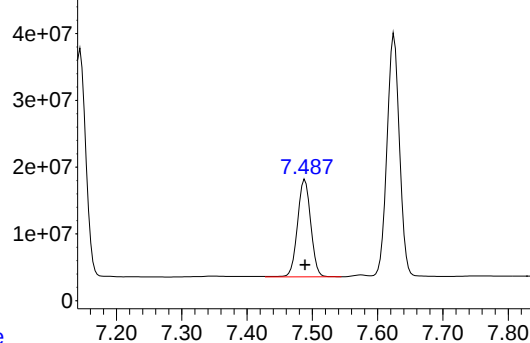
R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 3296343899
Conc: 97.06 ng/ml

Time

Response_

Signal: PD090650.D\ECD1A.ch

#20 Methoxychlor



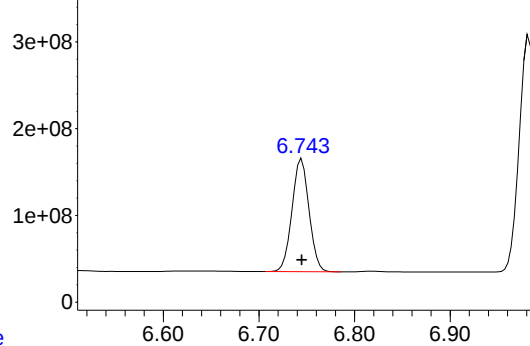
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 205006247
Conc: 99.31 ng/ml

Time

Response_

Signal: PD090650.D\ECD2B.ch

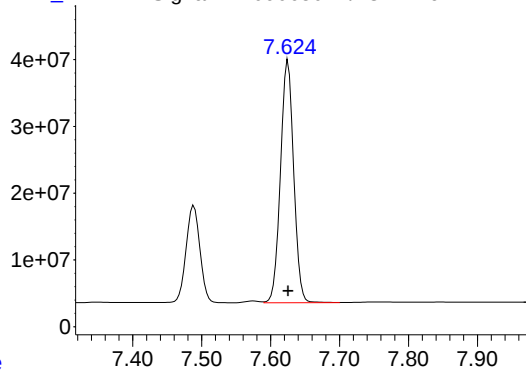
#20 Methoxychlor



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

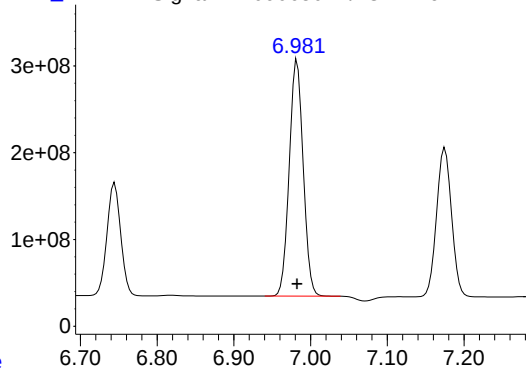


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

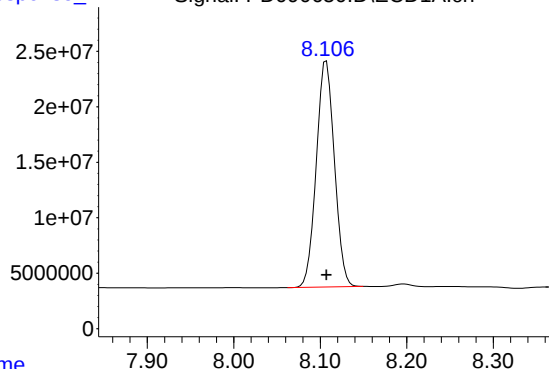
Time Response_ Signal: PD090650.D\ECD2B.ch



#21 Endrin ketone

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

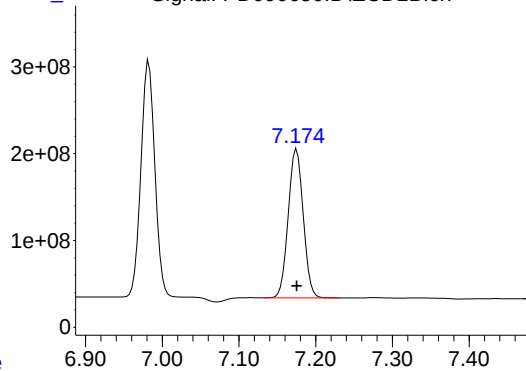
Time Response_ Signal: PD090650.D\ECD1A.ch



#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

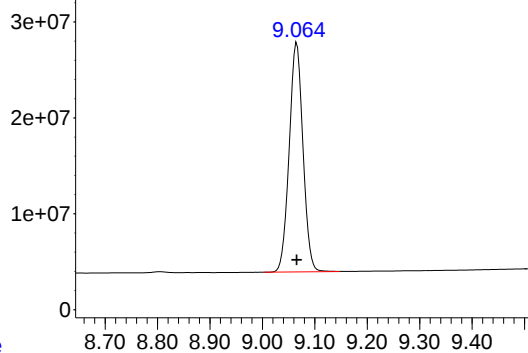
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 2331618859
Conc: 97.24 ng/ml

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

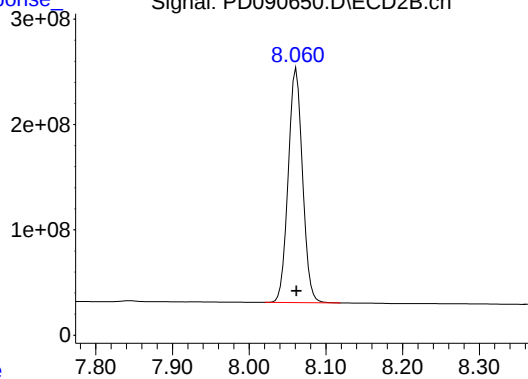
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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

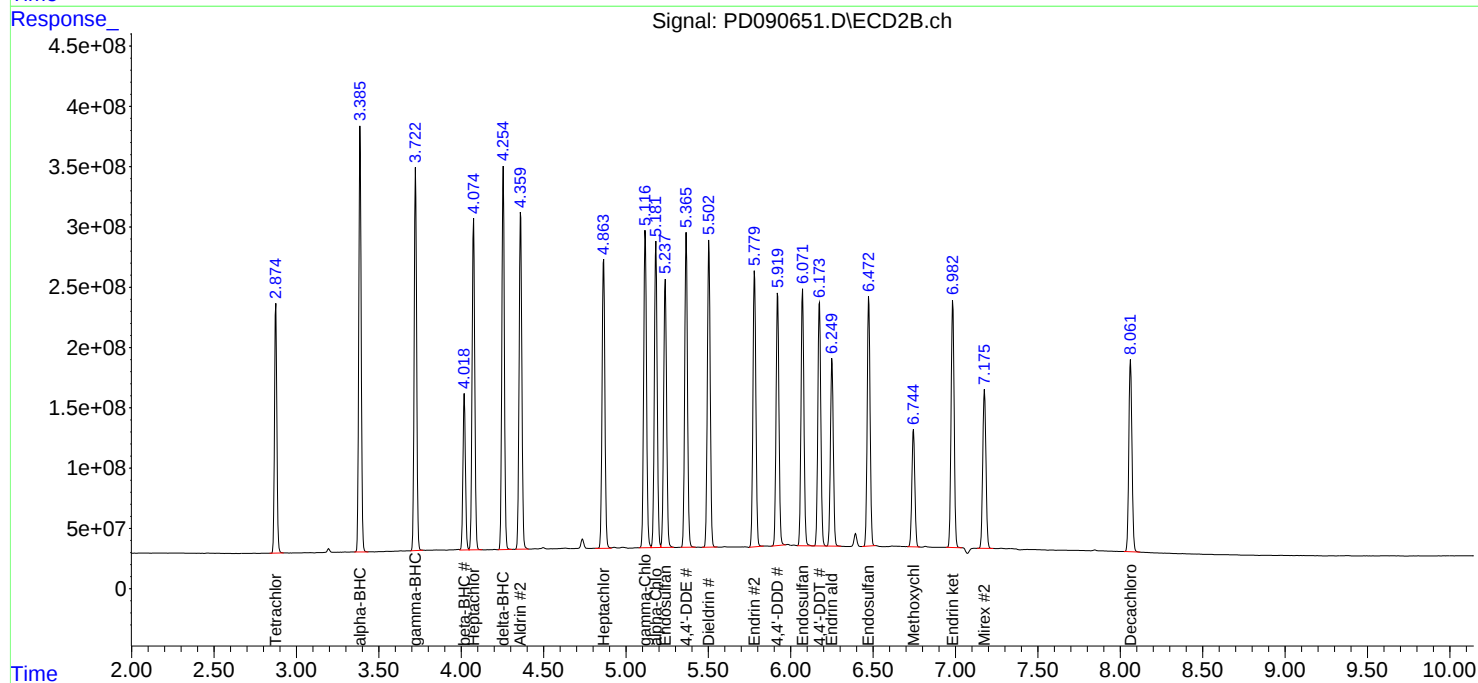
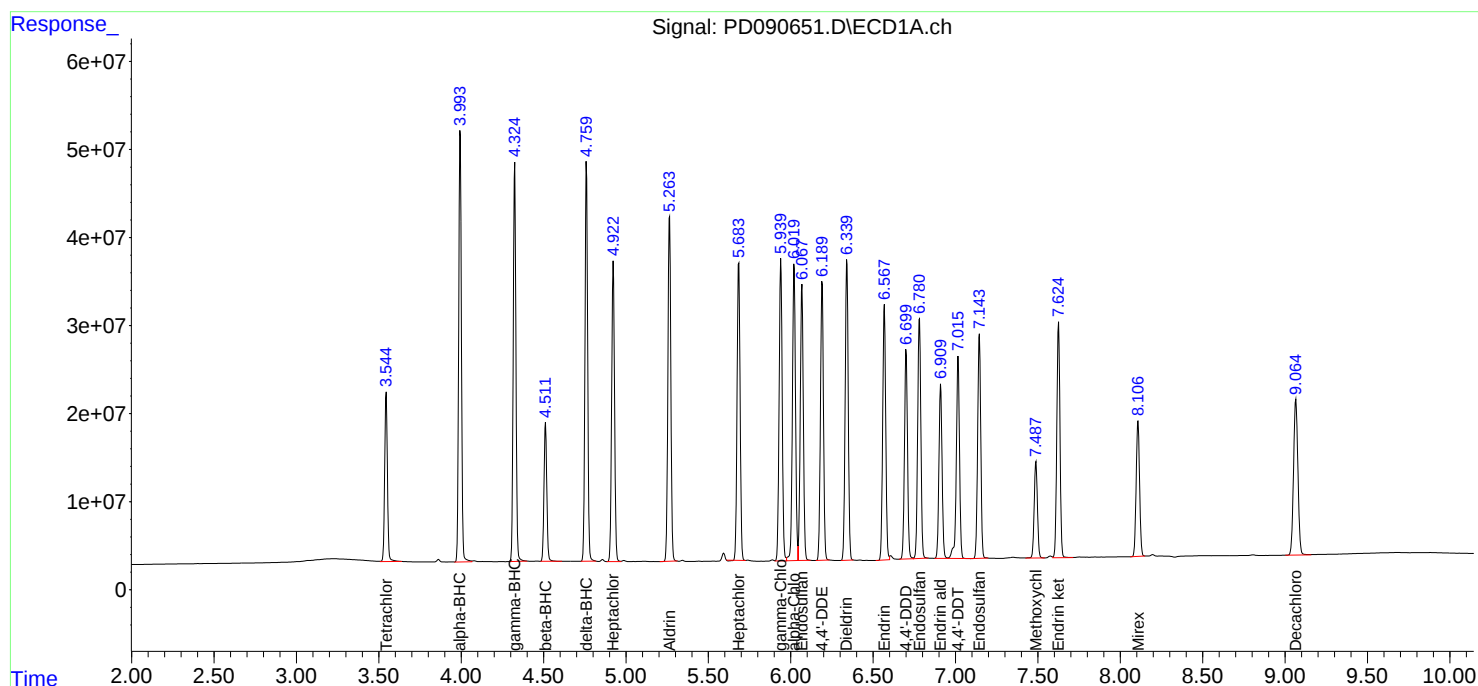
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

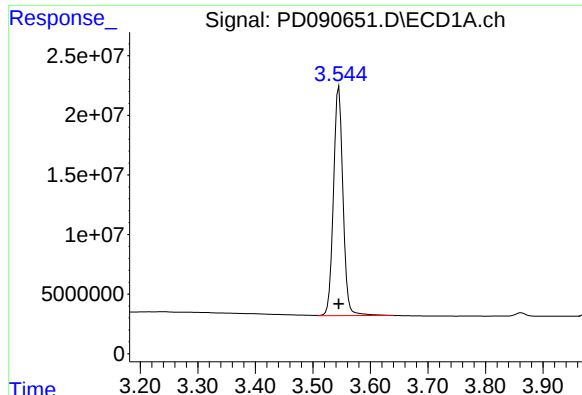
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

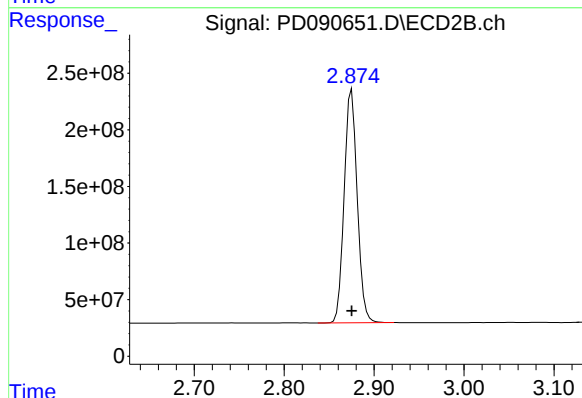




#1 Tetrachloro-m-xylene

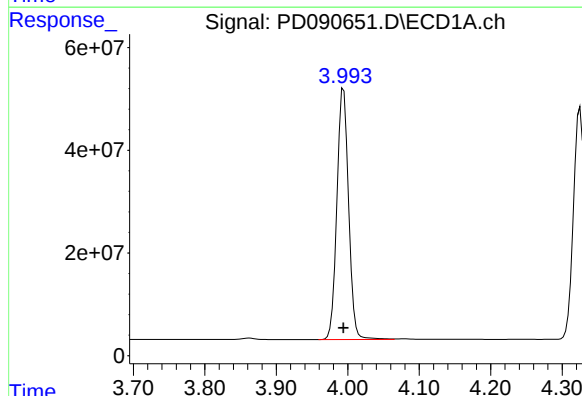
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 221338475
Conc: 73.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



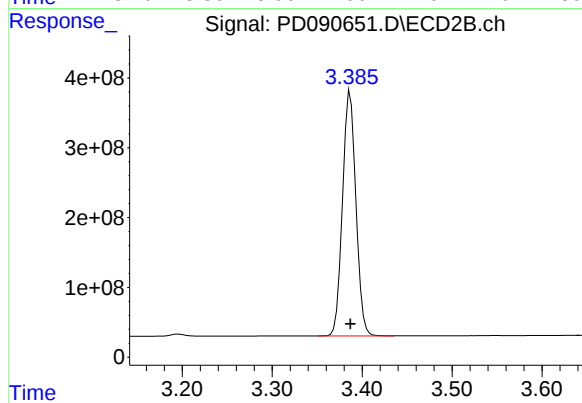
#1 Tetrachloro-m-xylene

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



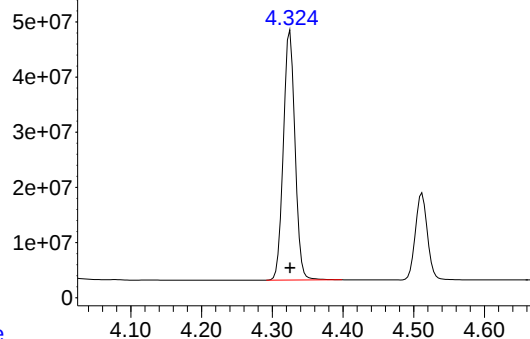
#2 alpha-BHC

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

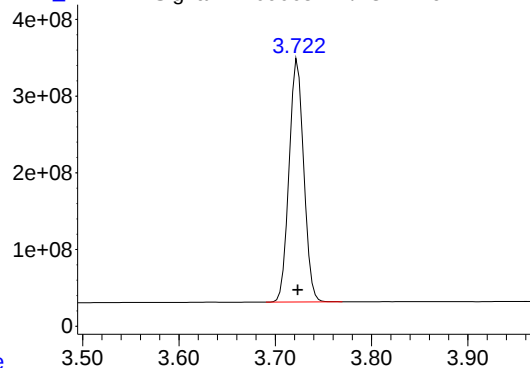
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#3 gamma-BHC (Lindane)



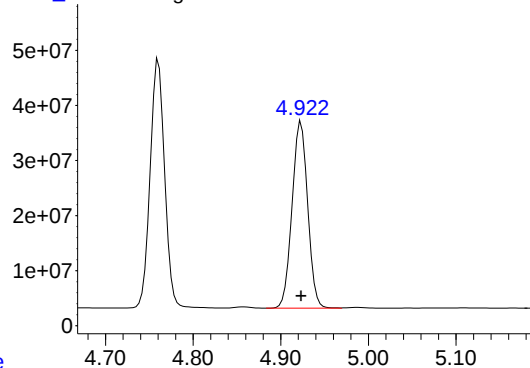
R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 3345366469
Conc: 74.04 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#4 Heptachlor



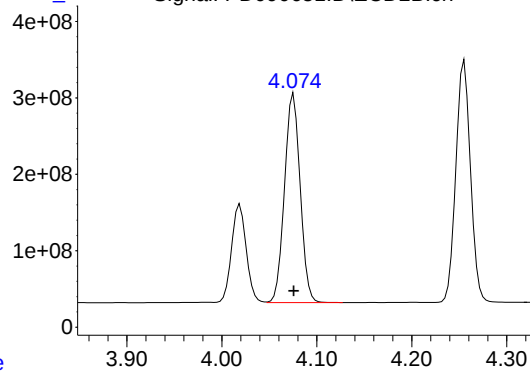
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 419813050
Conc: 74.52 ng/ml

Time

Response_

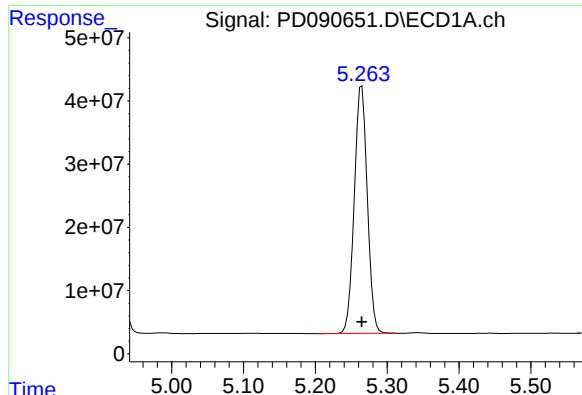
Signal: PD090651.D\ECD2B.ch

#4 Heptachlor



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

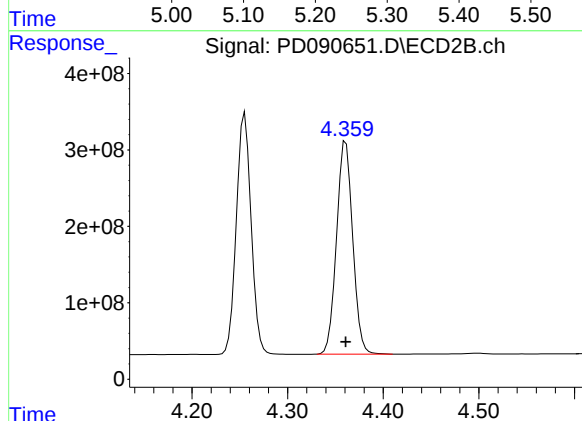
Time



#5 Aldrin

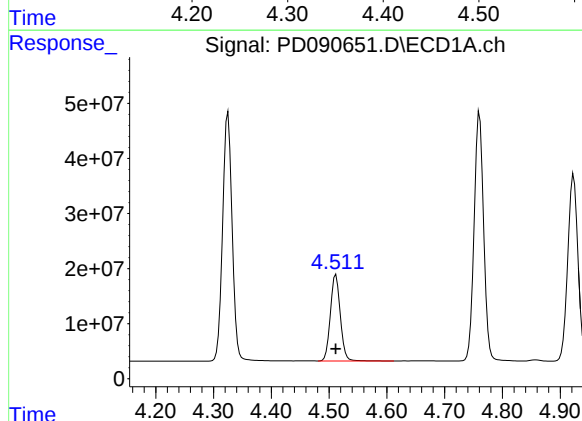
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 492167044
Conc: 74.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



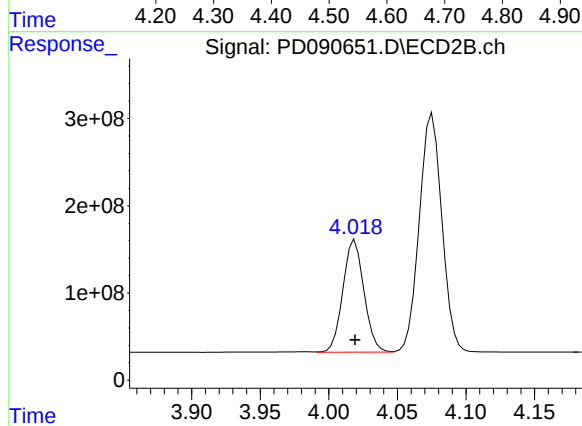
#5 Aldrin

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



#6 beta-BHC

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



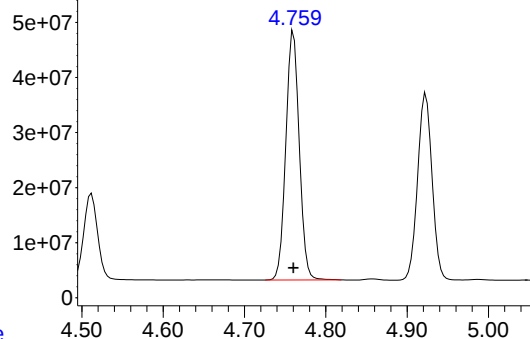
#6 beta-BHC

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

Response_

Signal: PD090651.D\ECD1A.ch

#7 delta-BHC



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

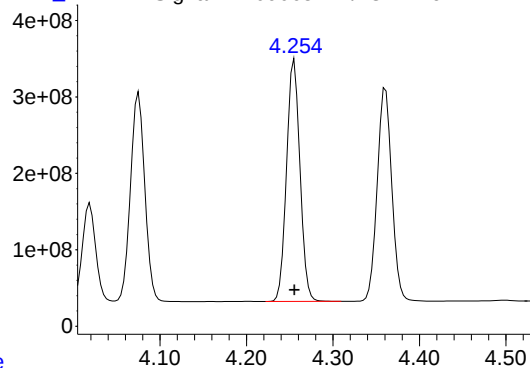
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#7 delta-BHC



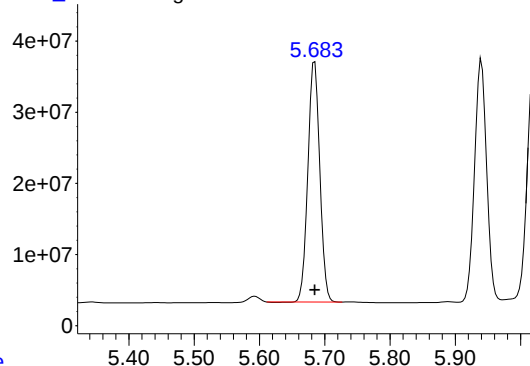
R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3391516826
Conc: 74.26 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#8 Heptachlor epoxide



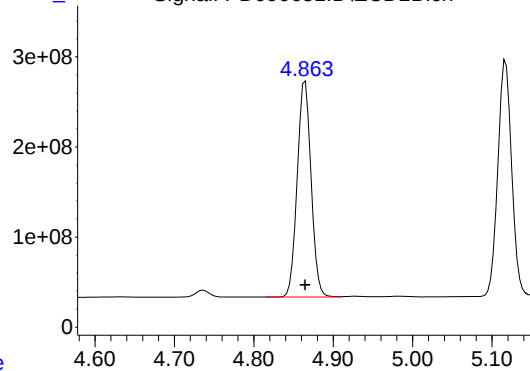
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 428112423
Conc: 74.57 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

#8 Heptachlor epoxide



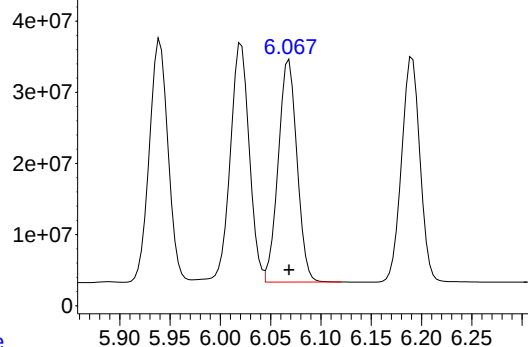
R.T.: 4.865 min
Delta R.T.: 0.000 min
Response: 2916863262
Conc: 74.30 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#9 Endosulfan I



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

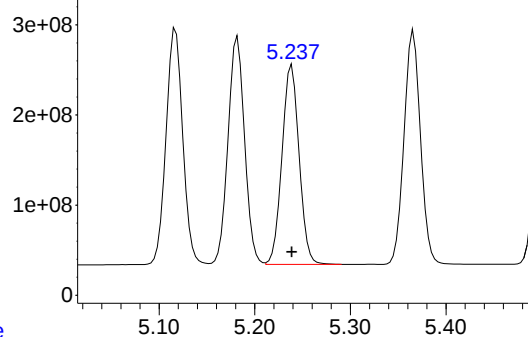
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#9 Endosulfan I



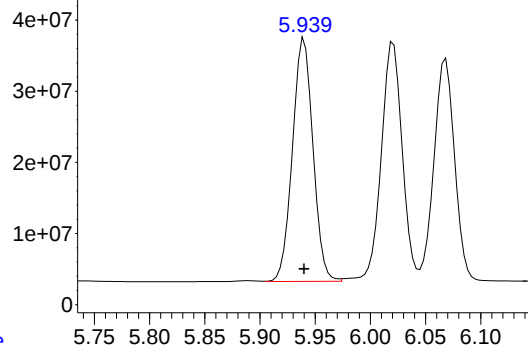
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 2743979164
Conc: 74.50 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#10 gamma-Chlordane



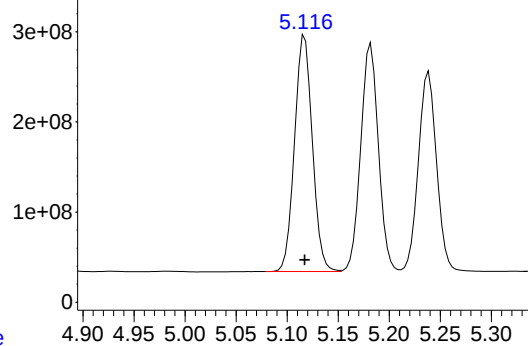
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 442053358
Conc: 74.83 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

#10 gamma-Chlordane



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

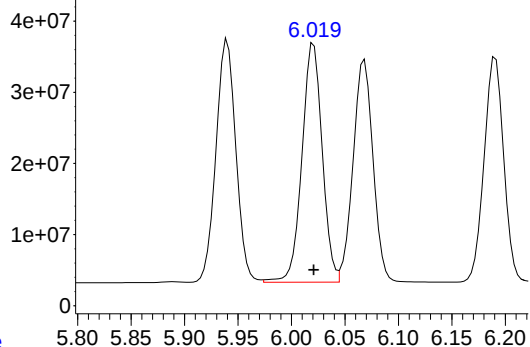
Time

Response_

Signal: PD090651.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



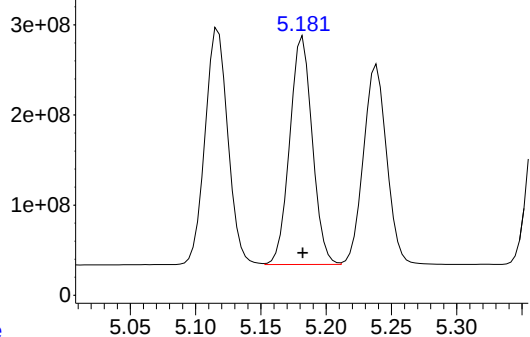
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 442910146
Conc: 74.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Response_

Signal: PD090651.D\ECD2B.ch

#11 alpha-Chlordane



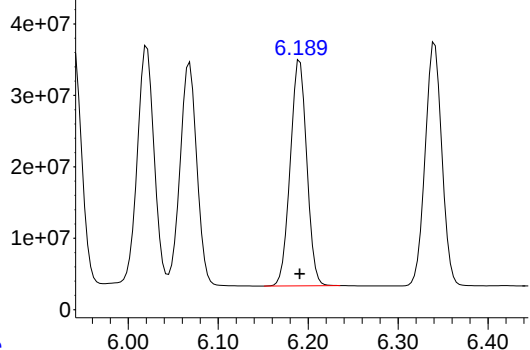
R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 3041262707
Conc: 74.51 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#12 4,4'-DDE



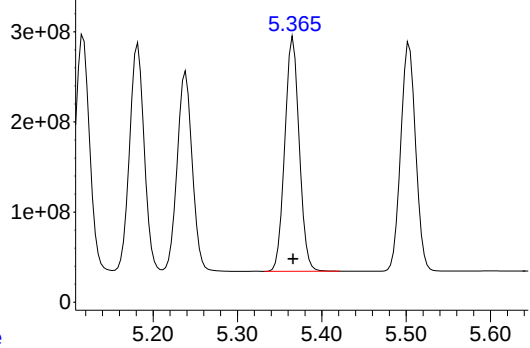
R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 402806011
Conc: 74.95 ng/ml

Time

Response_

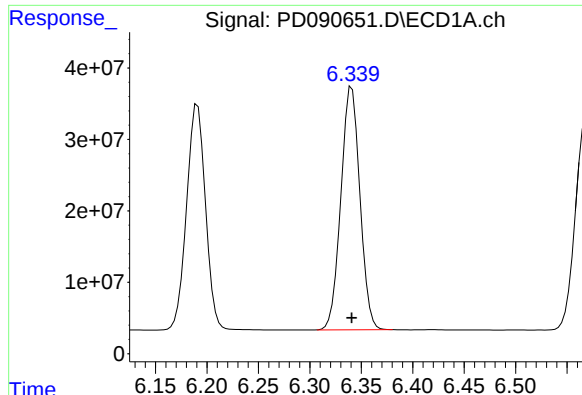
Signal: PD090651.D\ECD2B.ch

#12 4,4'-DDE



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

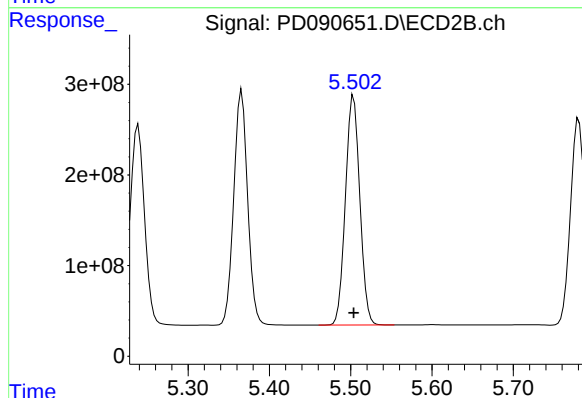
Time



#13 Dieldrin

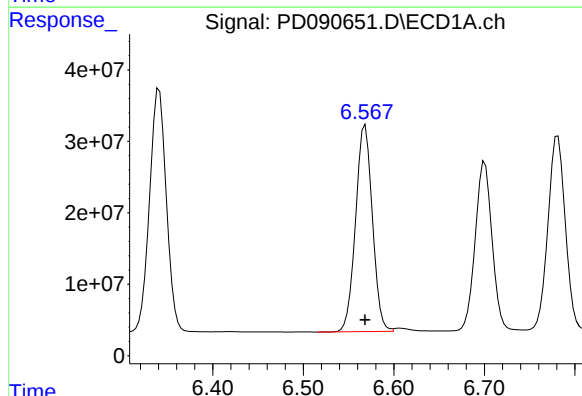
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 438145830
Conc: 74.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



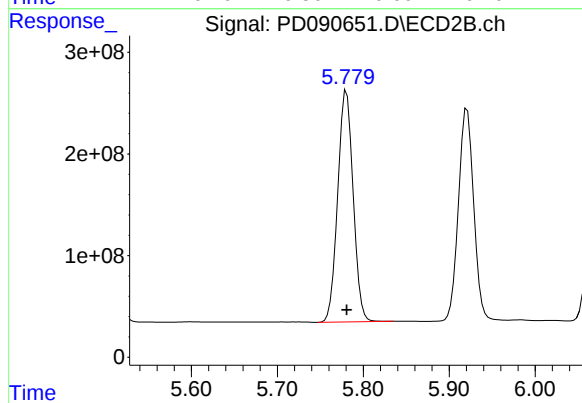
#13 Dieldrin

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



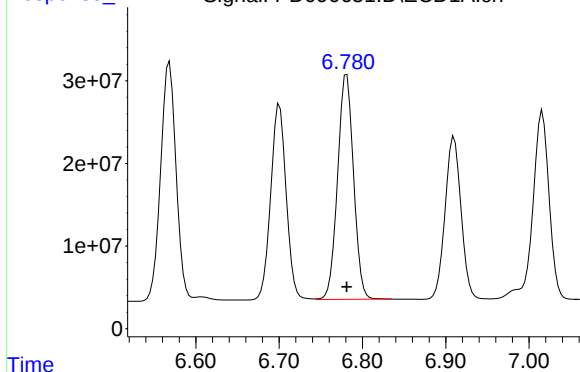
#14 Endrin

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

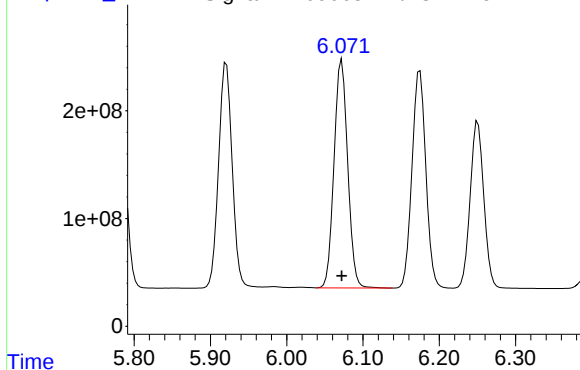
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#15 Endosulfan II



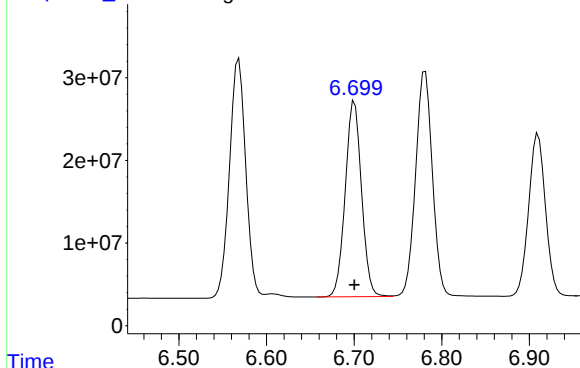
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 2622605787
Conc: 74.46 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#16 4,4'-DDD



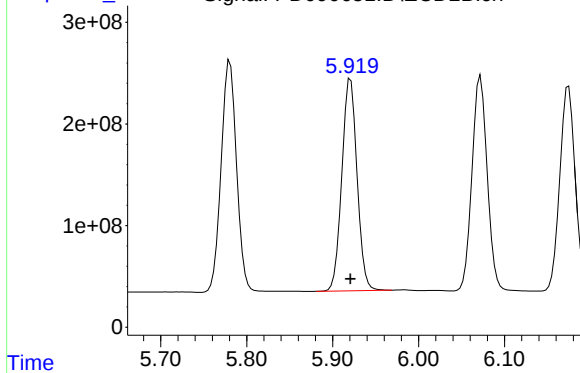
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 305645357
Conc: 74.66 ng/ml

Time

Response_

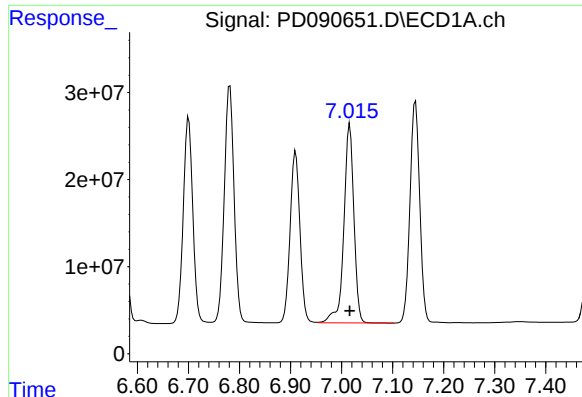
Signal: PD090651.D\ECD2B.ch

#16 4,4'-DDD



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

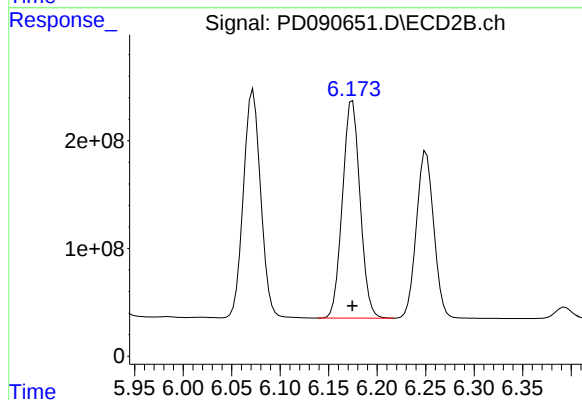
Time



#17 4,4'-DDT

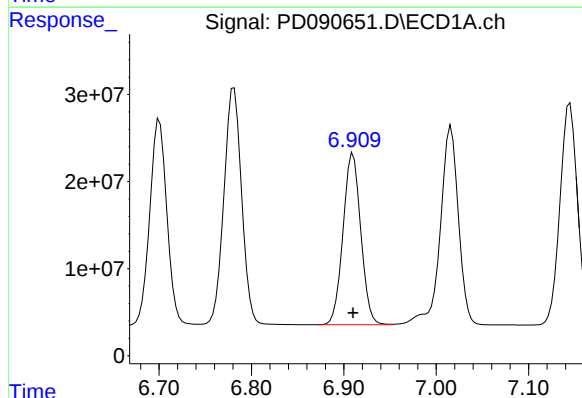
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 311444736
Conc: 74.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



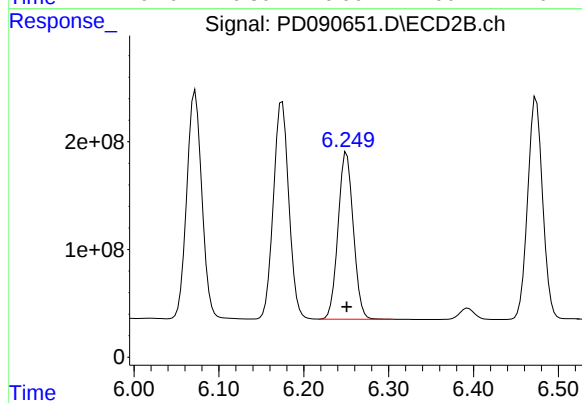
#17 4,4'-DDT

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



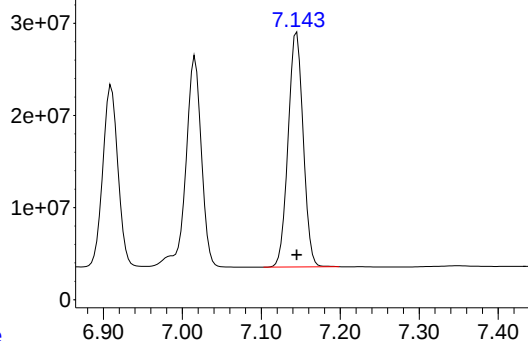
#18 Endrin aldehyde

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



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

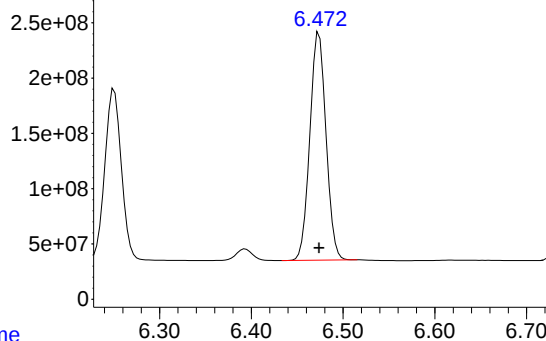
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090651.D\ECD2B.ch

#19 Endosulfan Sulfate



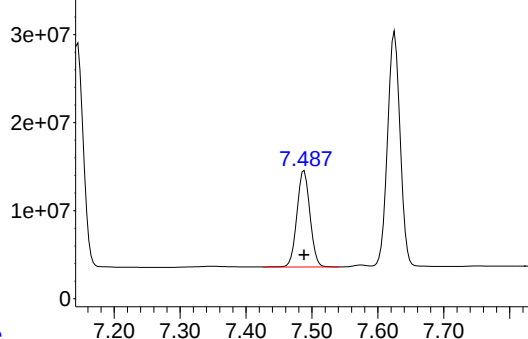
R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 2515420876
Conc: 74.37 ng/ml

Time

Response_

Signal: PD090651.D\ECD1A.ch

#20 Methoxychlor



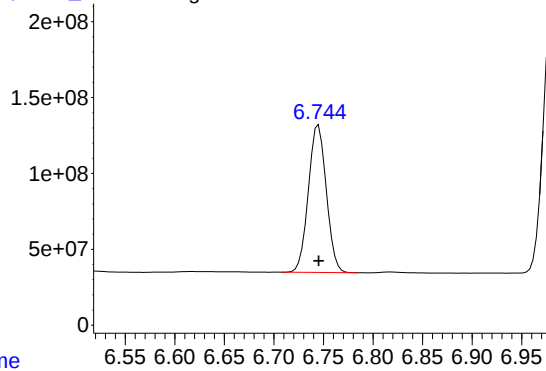
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 151150843
Conc: 73.80 ng/ml

Time

Response_

Signal: PD090651.D\ECD2B.ch

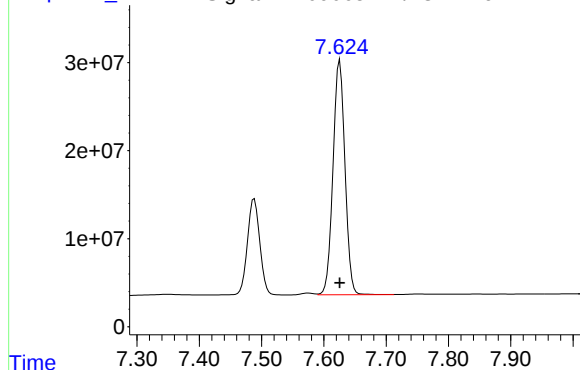
#20 Methoxychlor



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

Time

Response_ Signal: PD090651.D\ECD1A.ch

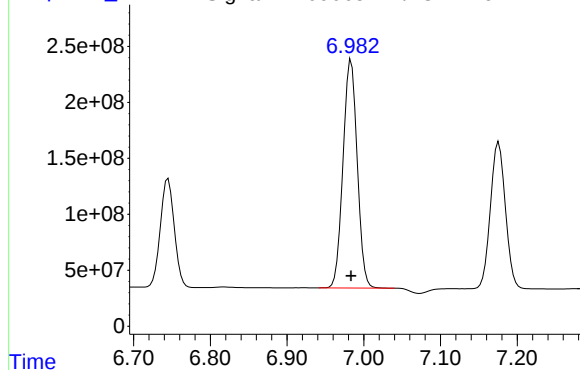


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

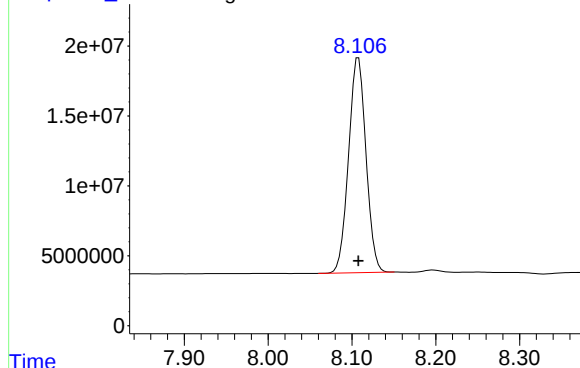
Response_ Signal: PD090651.D\ECD2B.ch



#21 Endrin ketone

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

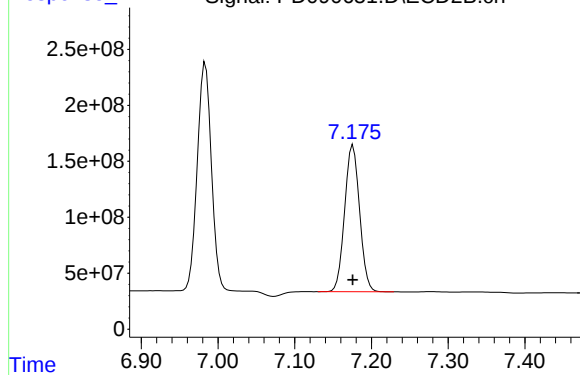
Response_ Signal: PD090651.D\ECD1A.ch



#22 Mirex

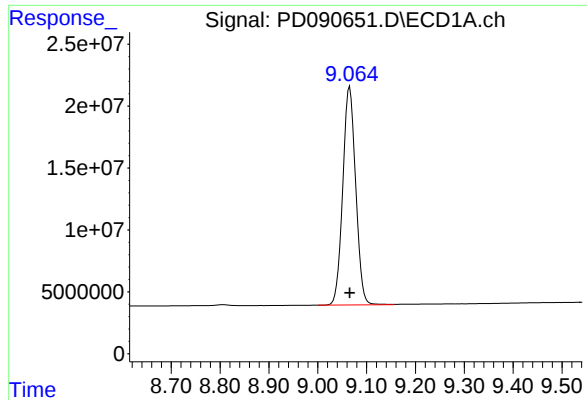
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 222493333
Conc: 74.05 ng/ml

Response_ Signal: PD090651.D\ECD2B.ch



#22 Mirex

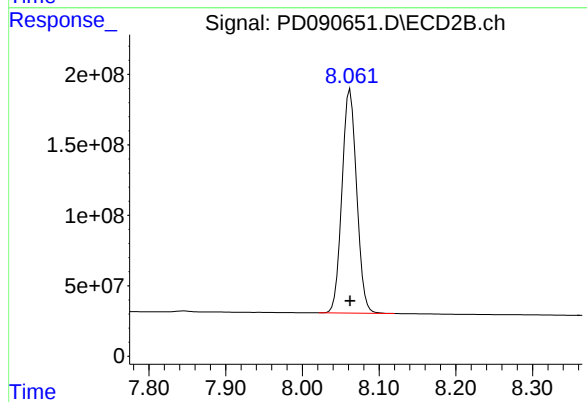
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1780357534
Conc: 74.50 ng/ml



#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

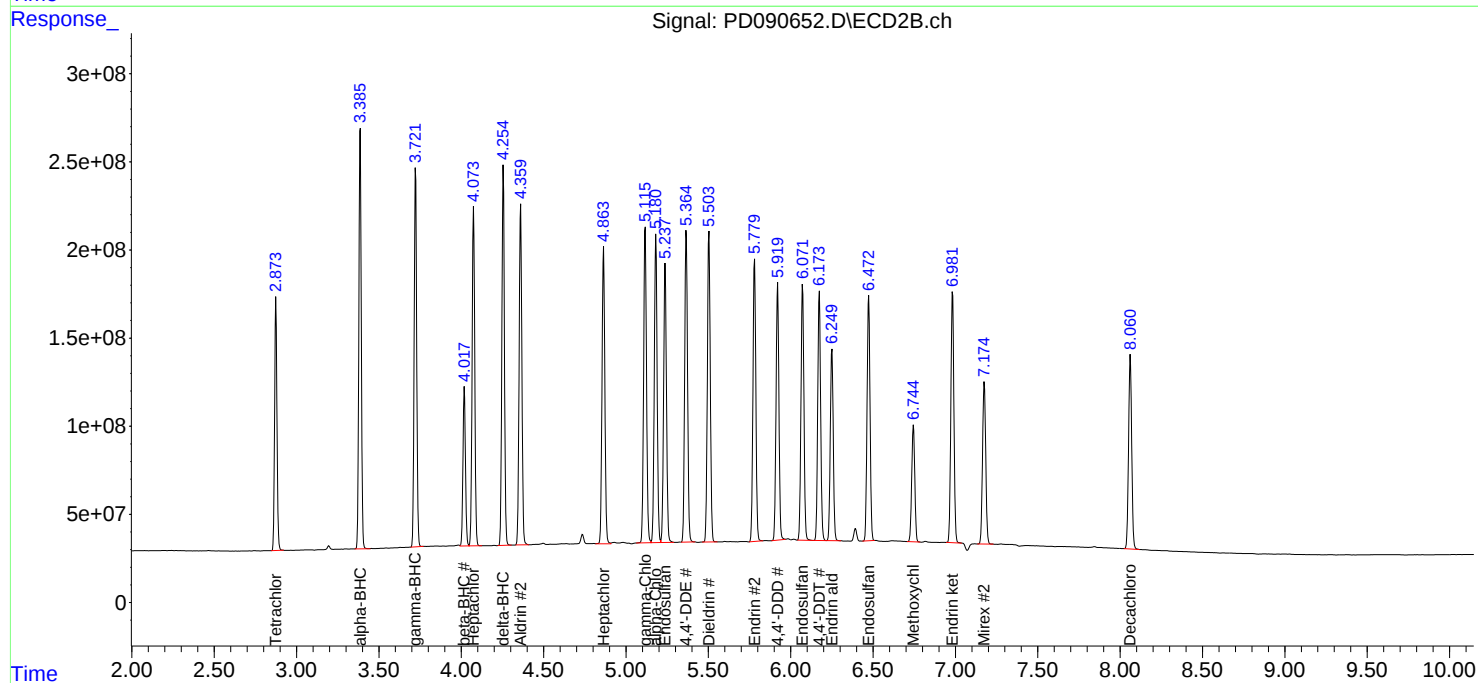
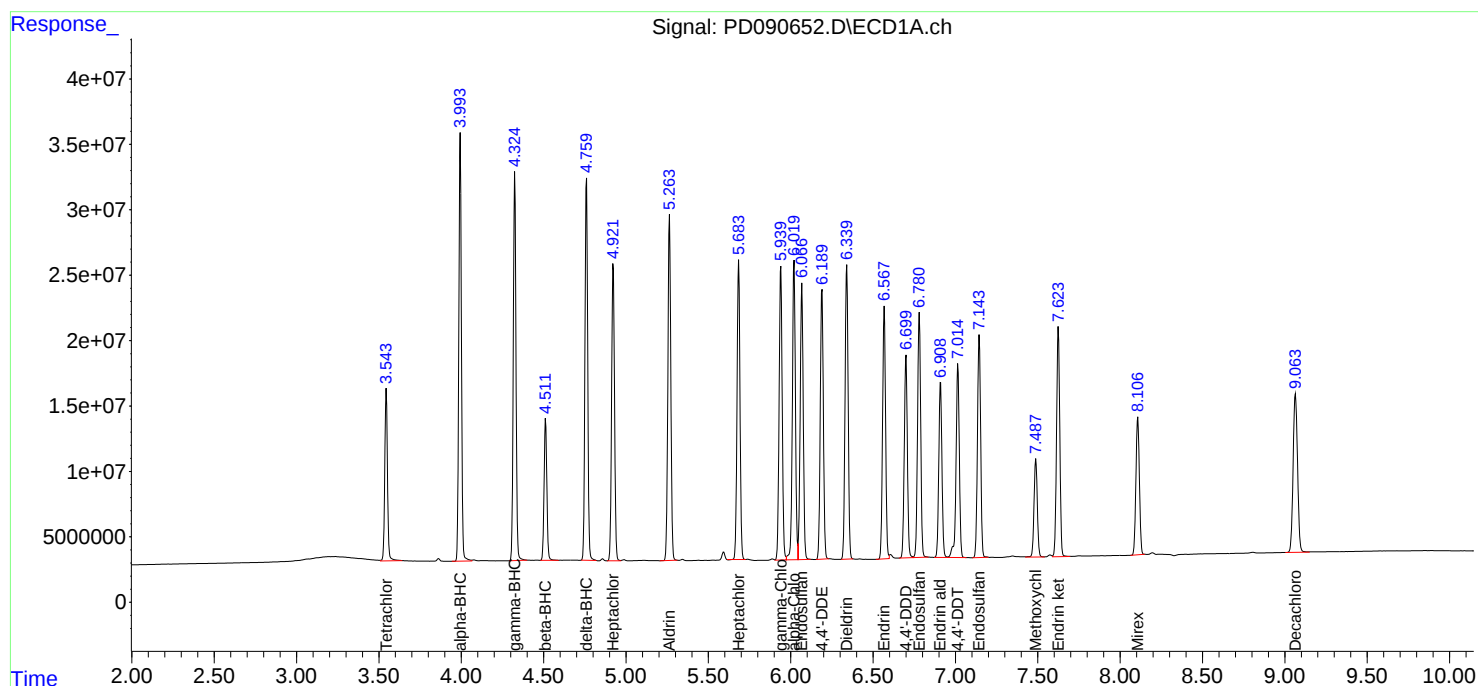
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

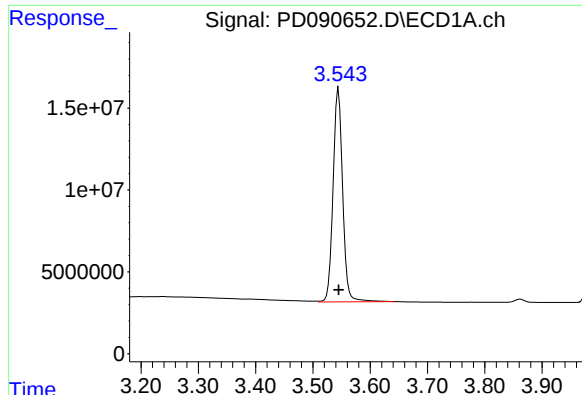
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:01
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

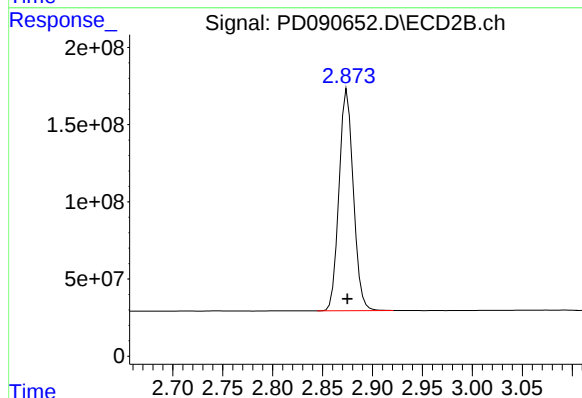




#1 Tetrachloro-m-xylene

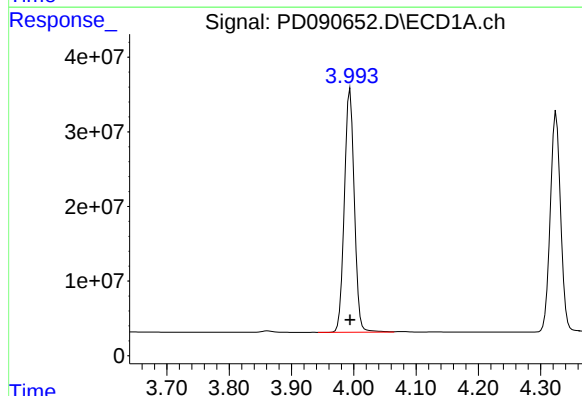
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 151504775
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



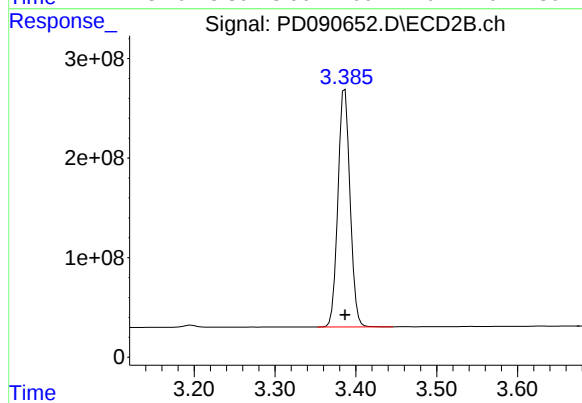
#1 Tetrachloro-m-xylene

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



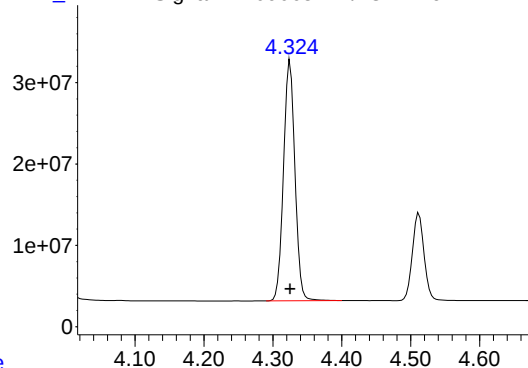
#2 alpha-BHC

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

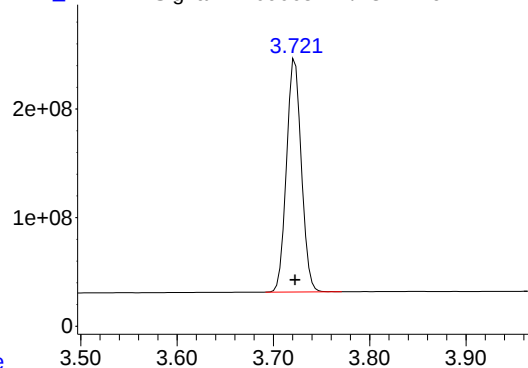
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#3 gamma-BHC (Lindane)



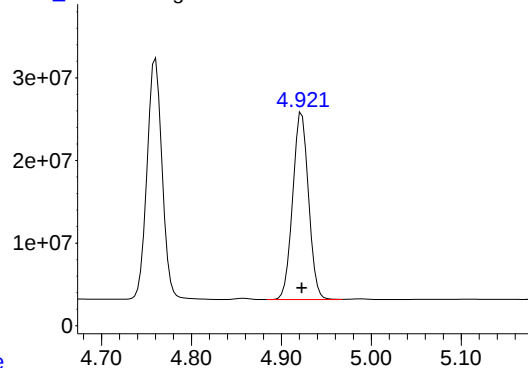
R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2298638612
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD1A.ch

#4 Heptachlor



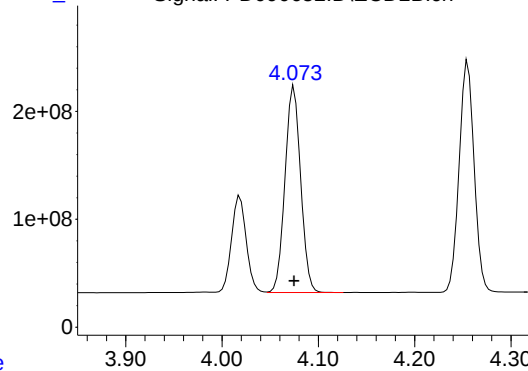
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 277277005
Conc: 50.00 ng/ml

Time

Response_

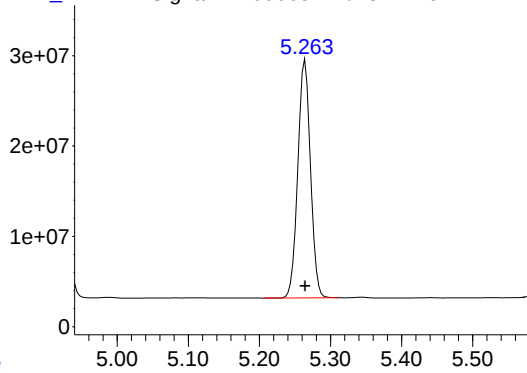
Signal: PD090652.D\ECD2B.ch

#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

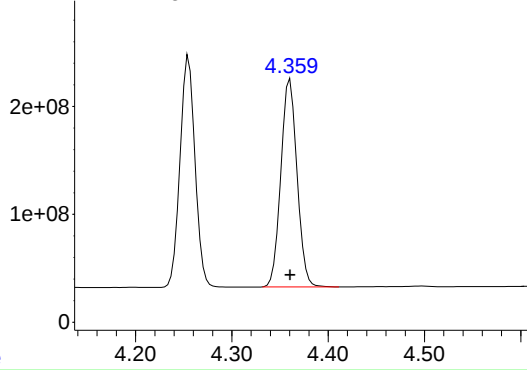
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PD090652.D\ECD2B.ch

#5 Aldrin



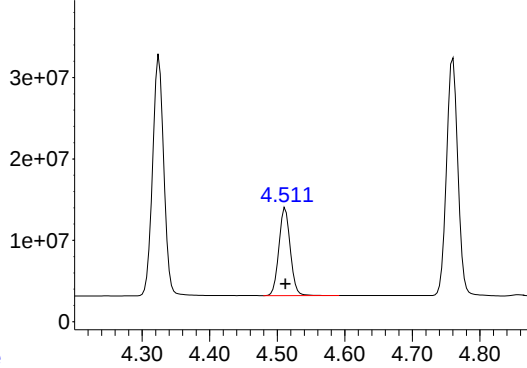
R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 2251688760
Conc: 50.00 ng/ml

Time

Response_

Signal: PD090652.D\ECD1A.ch

#6 beta-BHC



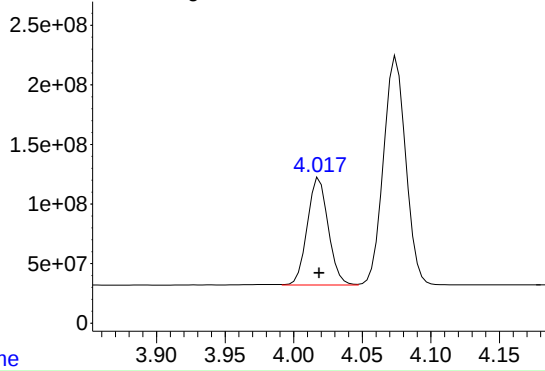
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 127018373
Conc: 50.00 ng/ml

Time

Response_

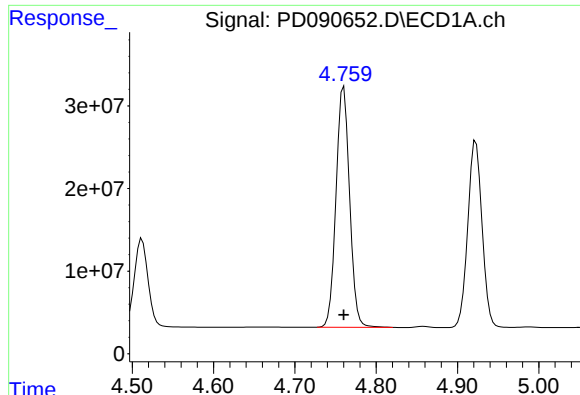
Signal: PD090652.D\ECD2B.ch

#6 beta-BHC



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

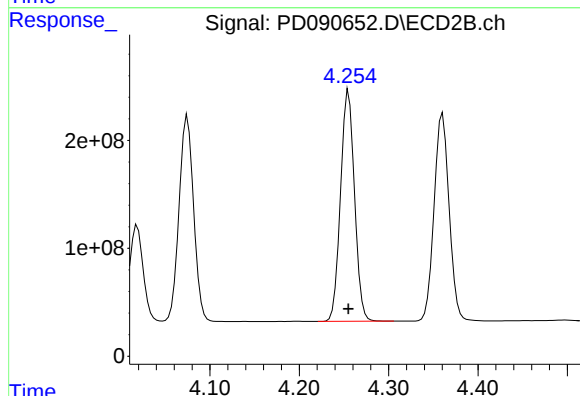
Time



#7 delta-BHC

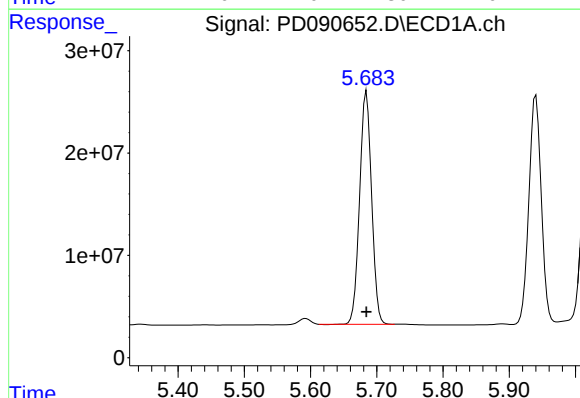
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 338575319
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



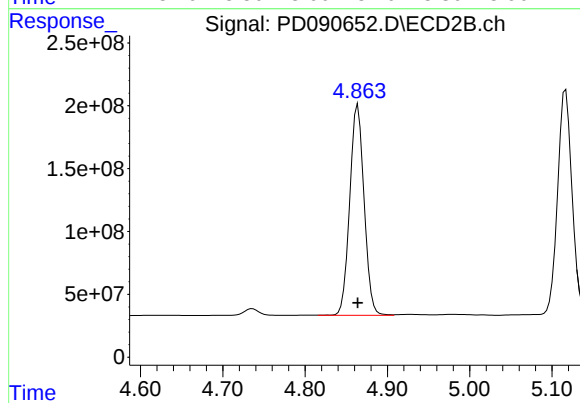
#7 delta-BHC

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



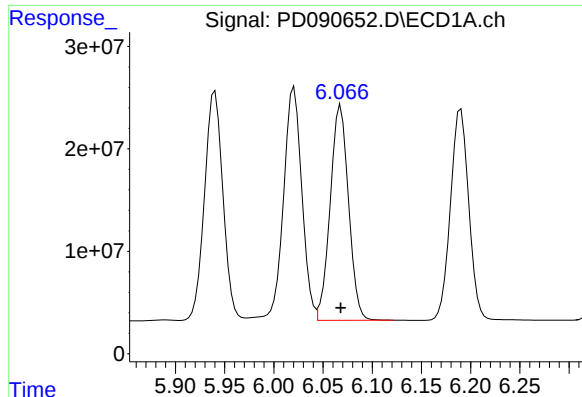
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

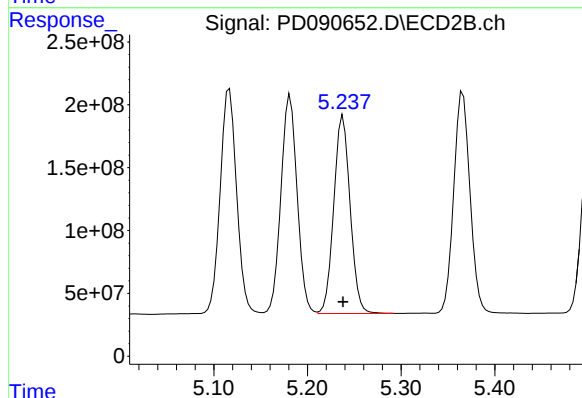
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2033647315
Conc: 50.00 ng/ml



#9 Endosulfan I

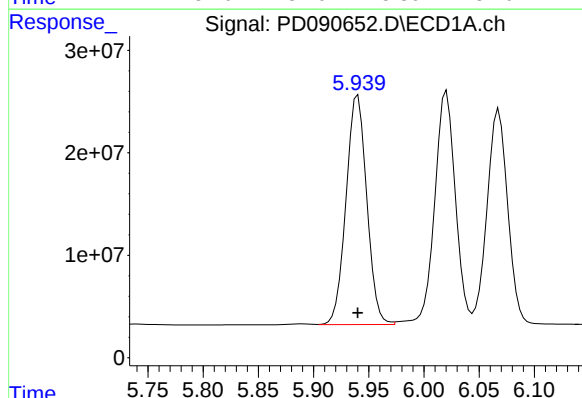
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 272452330
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



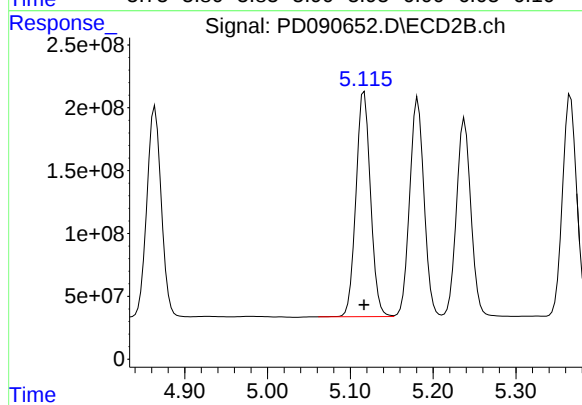
#9 Endosulfan I

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



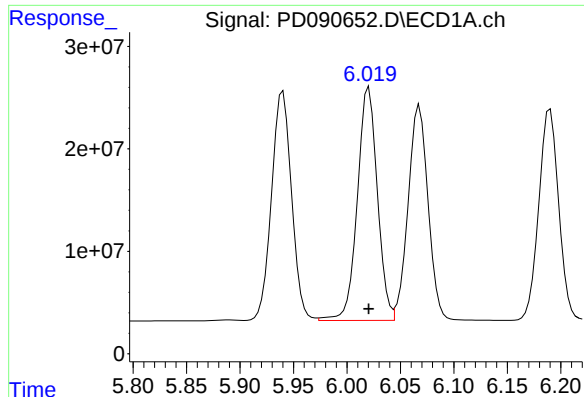
#10 gamma-Chlordane

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



#10 gamma-Chlordane

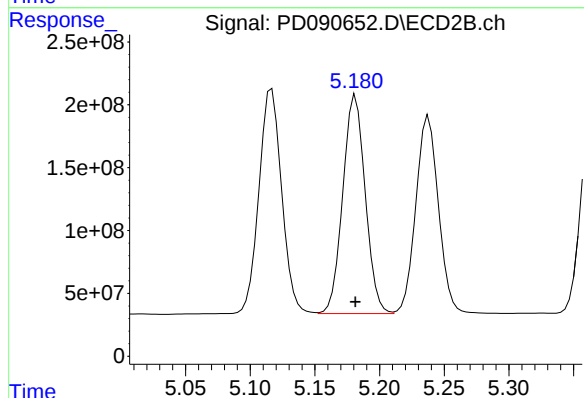
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2187405429
Conc: 50.00 ng/ml



#11 alpha-Chlordane

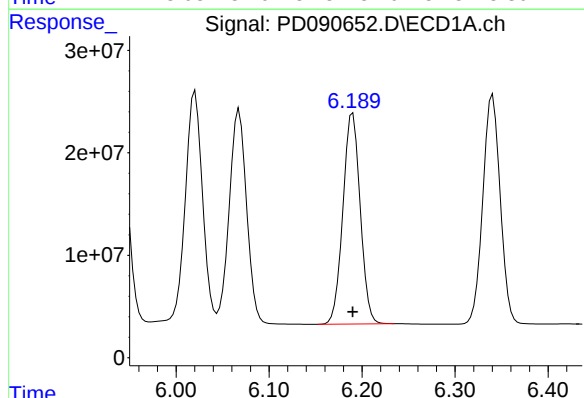
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 296932529
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



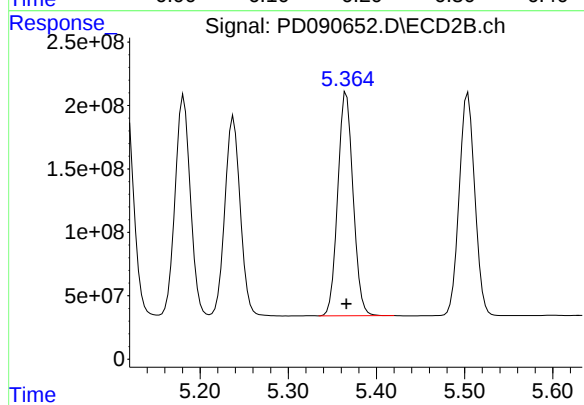
#11 alpha-Chlordane

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



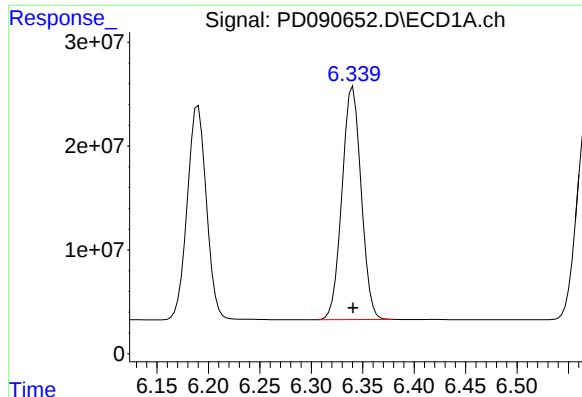
#12 4,4'-DDE

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



#12 4,4'-DDE

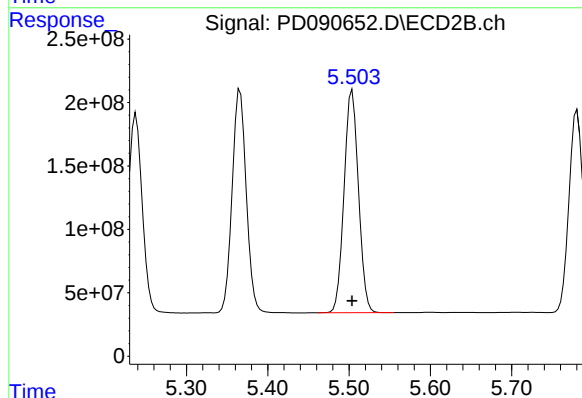
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2127431088
Conc: 50.00 ng/ml



#13 Dieldrin

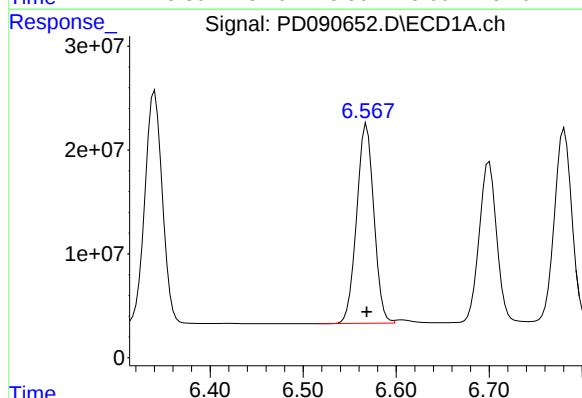
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 290909064
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



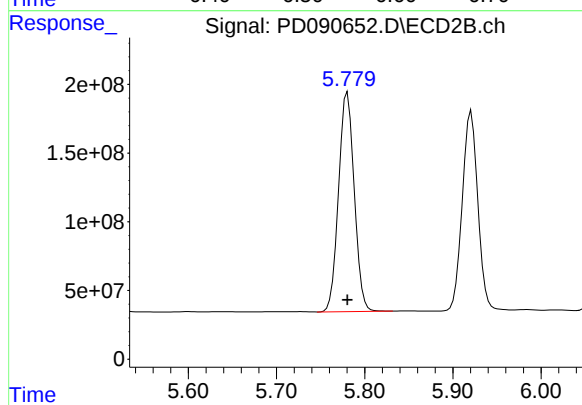
#13 Dieldrin

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



#14 Endrin

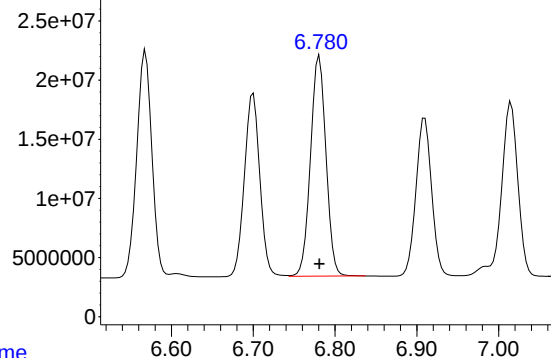
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 246912451
Conc: 50.00 ng/ml



#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

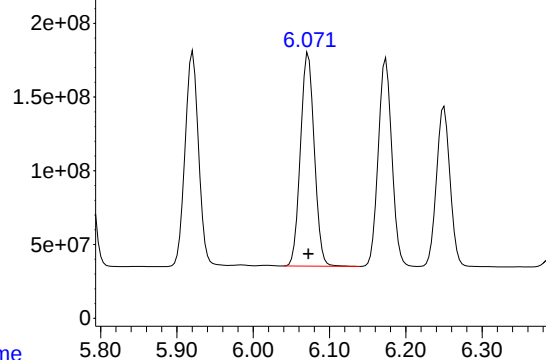


#15 Endosulfan II

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

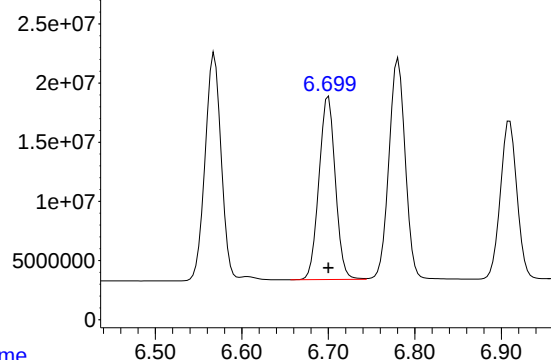
Time Response_ Signal: PD090652.D\ECD2B.ch



#15 Endosulfan II

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

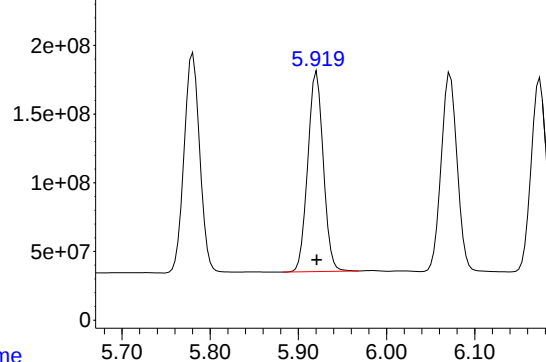
Time Response_ Signal: PD090652.D\ECD1A.ch



#16 4,4'-DDD

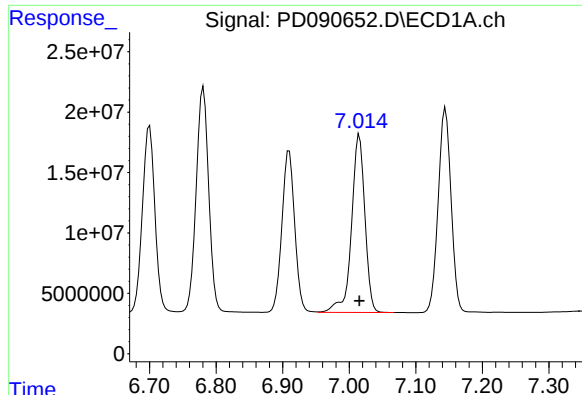
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 202773551
Conc: 50.00 ng/ml

Time Response_ Signal: PD090652.D\ECD2B.ch



#16 4,4'-DDD

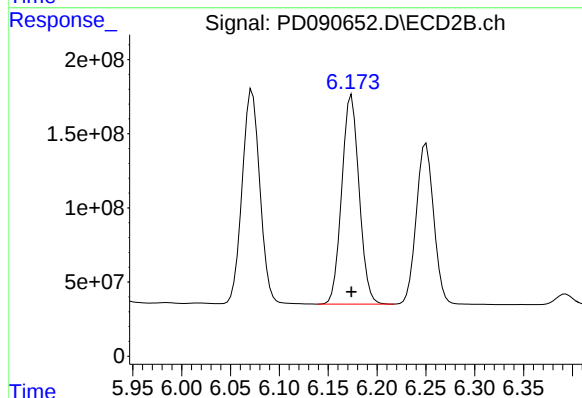
R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1778046885
Conc: 50.00 ng/ml



#17 4,4'-DDT

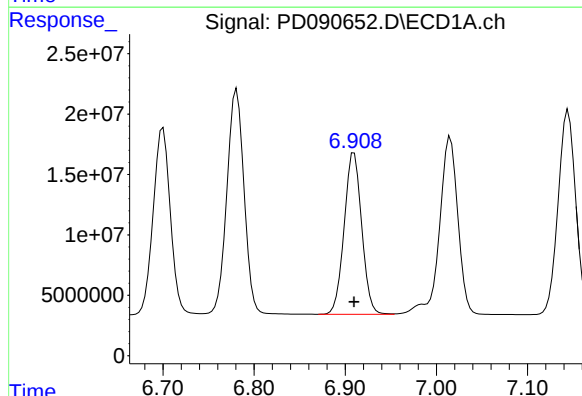
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 205896645
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



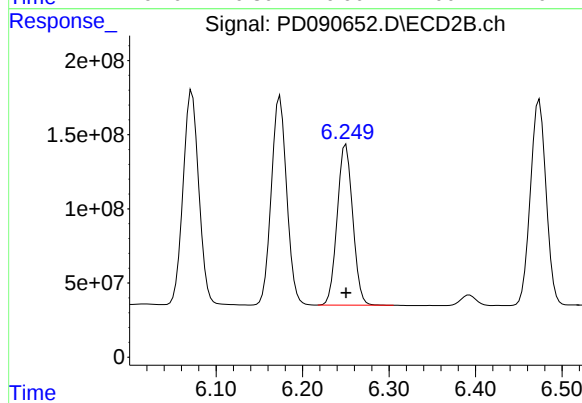
#17 4,4'-DDT

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



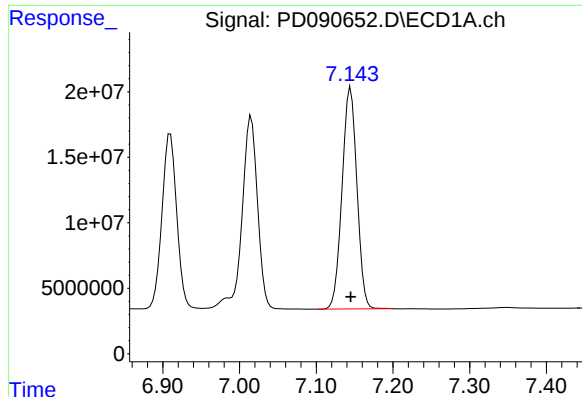
#18 Endrin aldehyde

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



#18 Endrin aldehyde

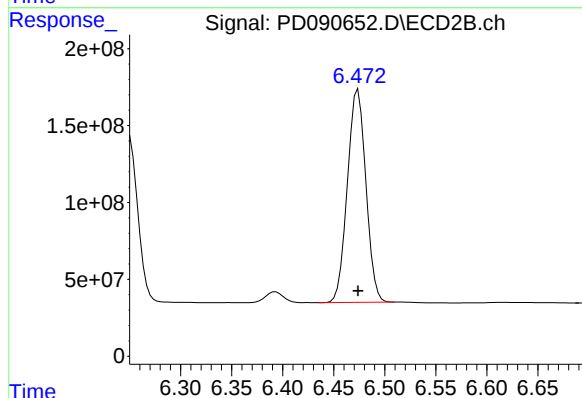
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1344655981
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

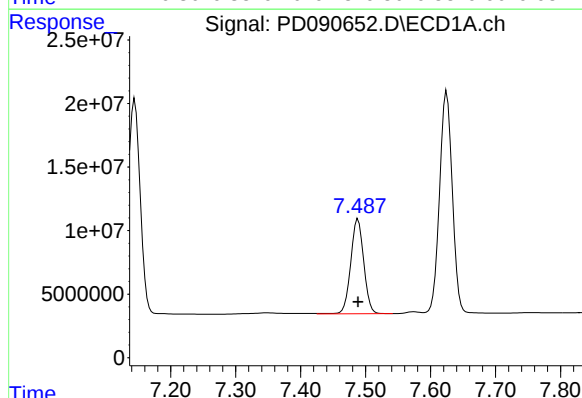
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 227808376
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



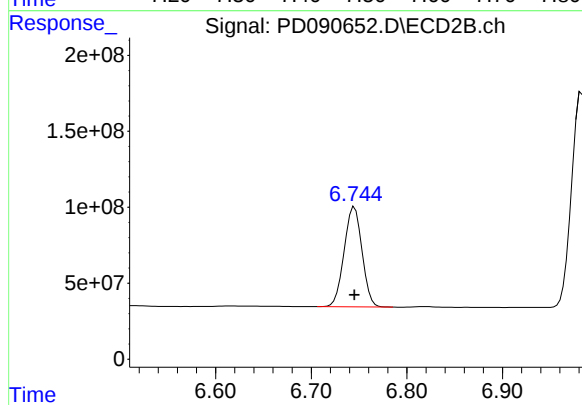
#19 Endosulfan Sulfate

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



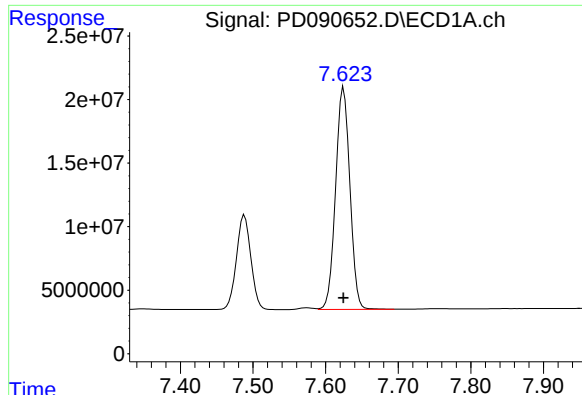
#20 Methoxychlor

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



#20 Methoxychlor

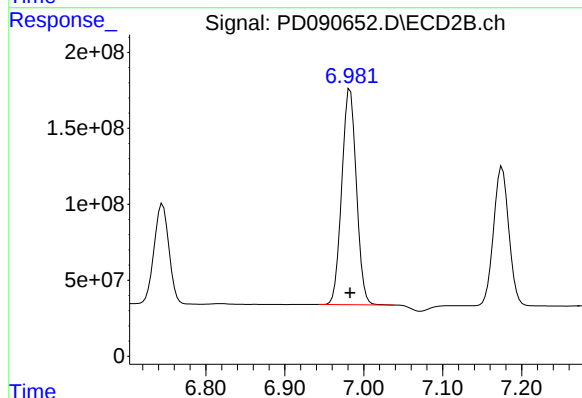
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 859946427
Conc: 50.00 ng/ml



#21 Endrin ketone

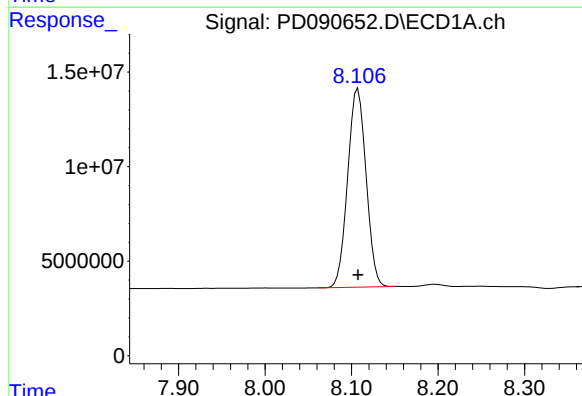
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 239116023
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



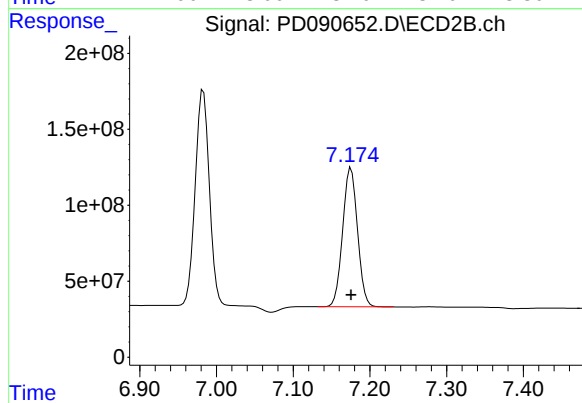
#21 Endrin ketone

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

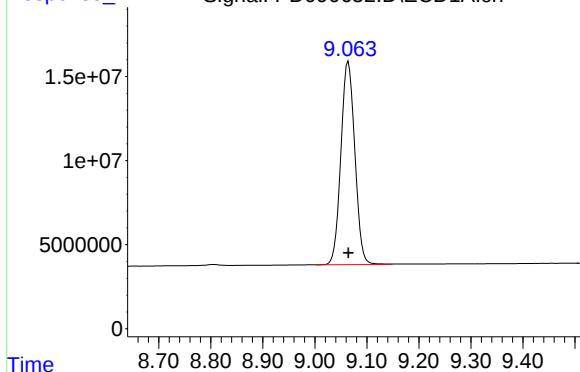
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1232028398
Conc: 50.00 ng/ml

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

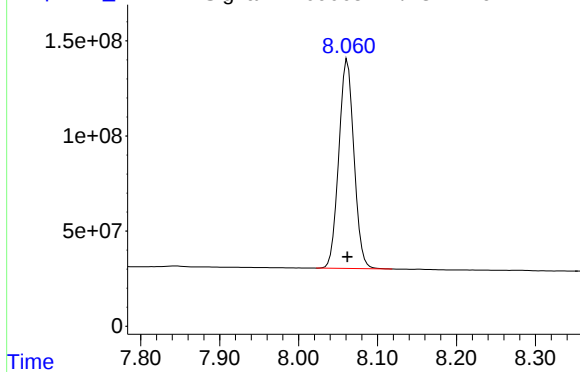
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

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

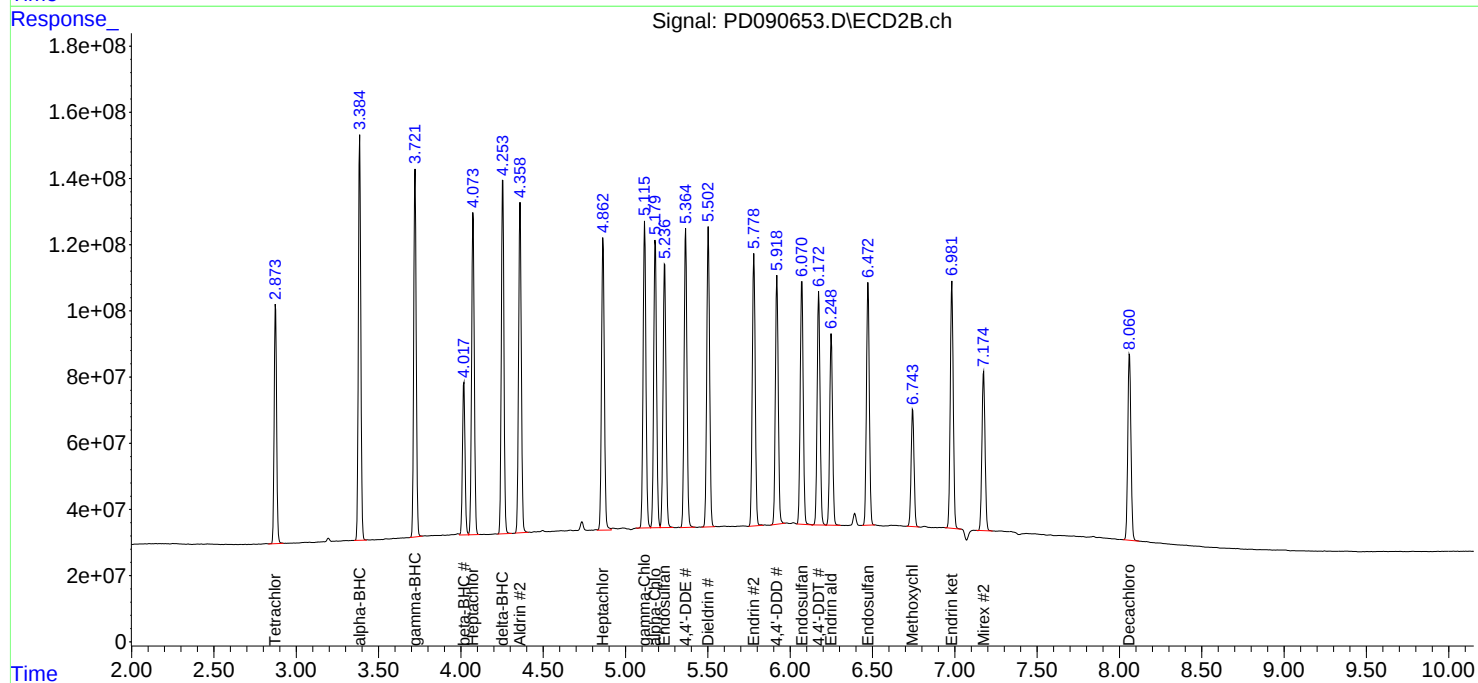
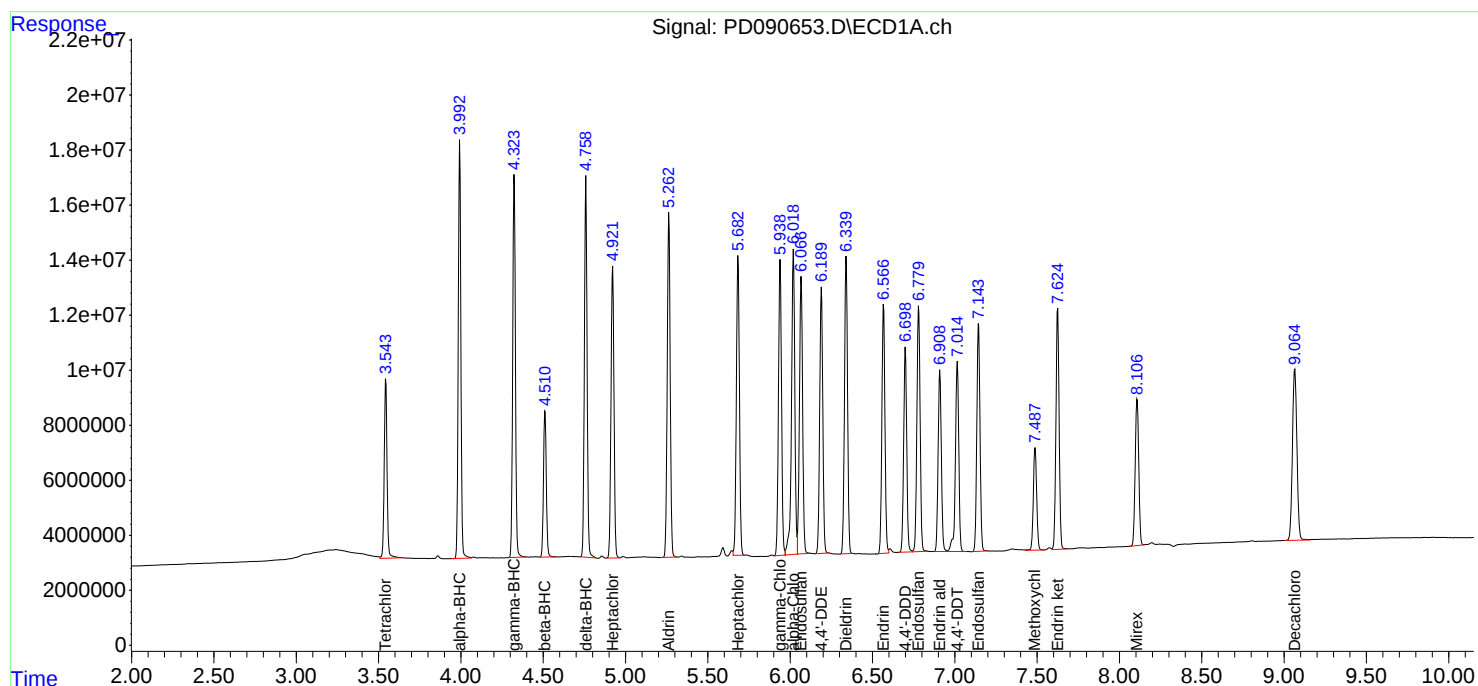
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

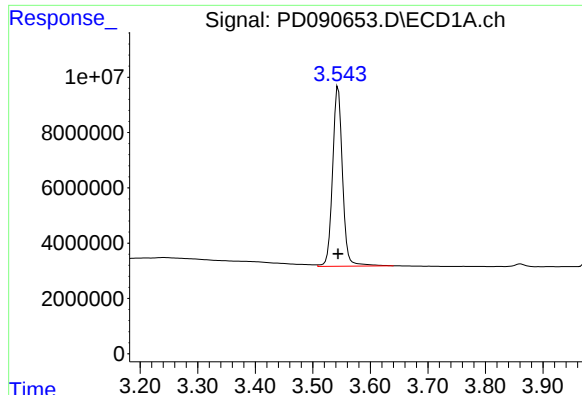
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 12:15
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

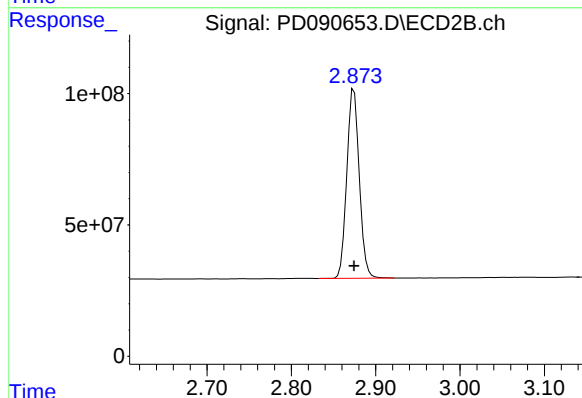




#1 Tetrachloro-m-xylene

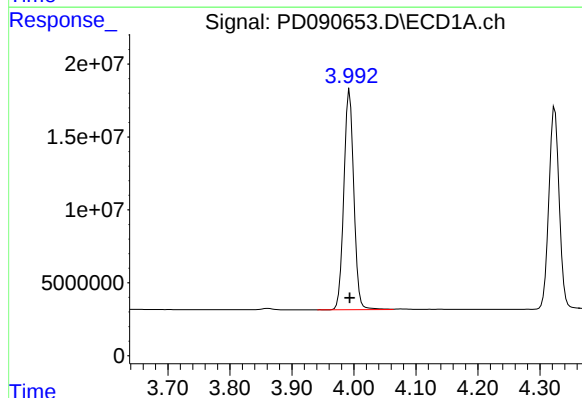
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 78107465
Conc: 25.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



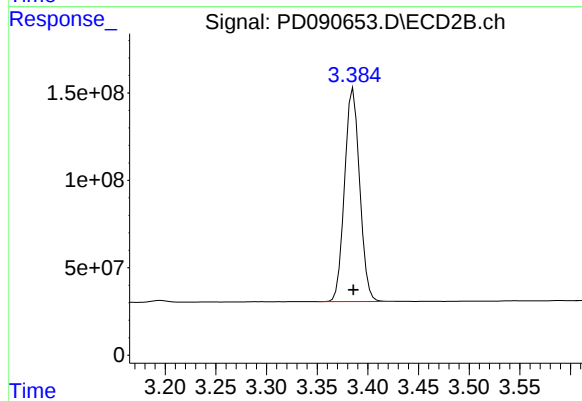
#1 Tetrachloro-m-xylene

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



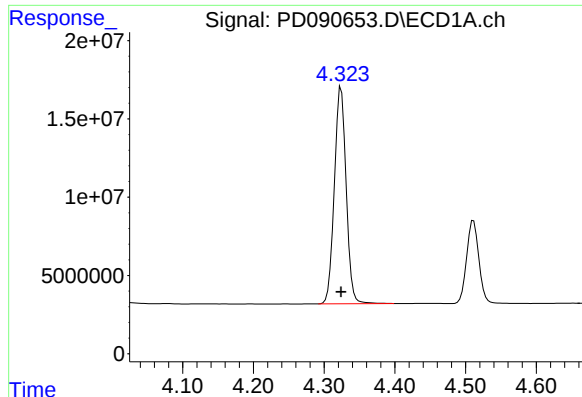
#2 alpha-BHC

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



#2 alpha-BHC

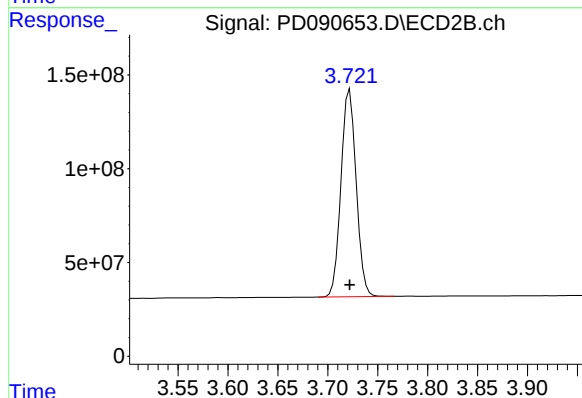
R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 1262506307
Conc: 25.54 ng/ml



#3 gamma-BHC (Lindane)

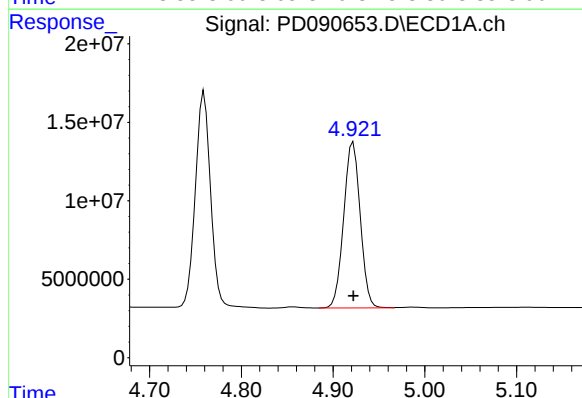
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 160449432
Conc: 23.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



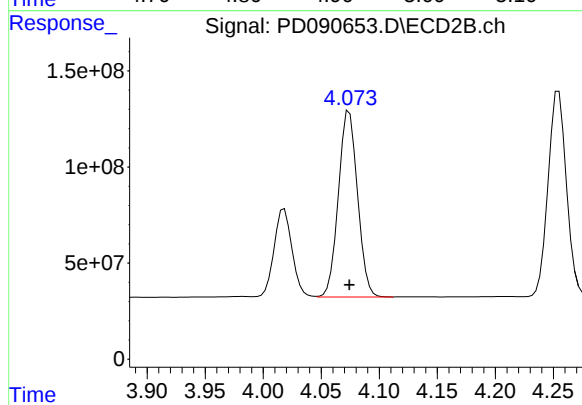
#3 gamma-BHC (Lindane)

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



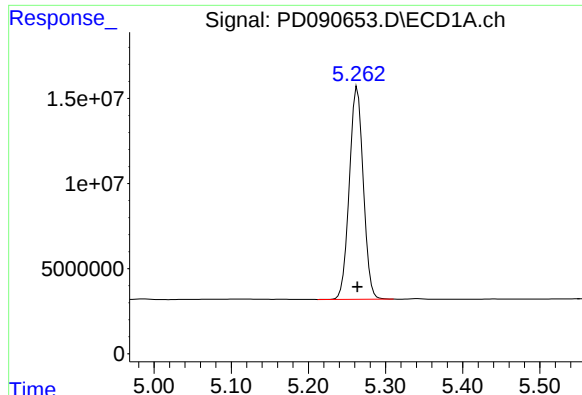
#4 Heptachlor

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



#4 Heptachlor

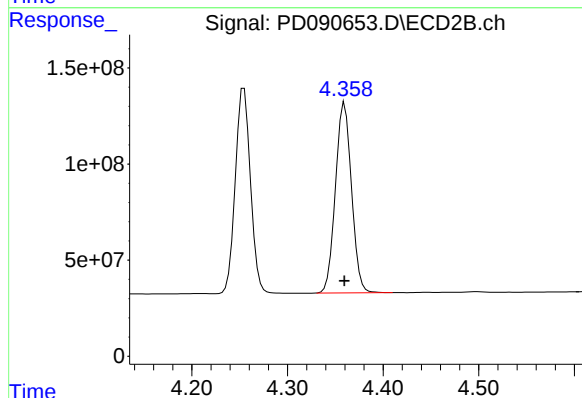
R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 1112572417
Conc: 26.05 ng/ml



#5 Aldrin

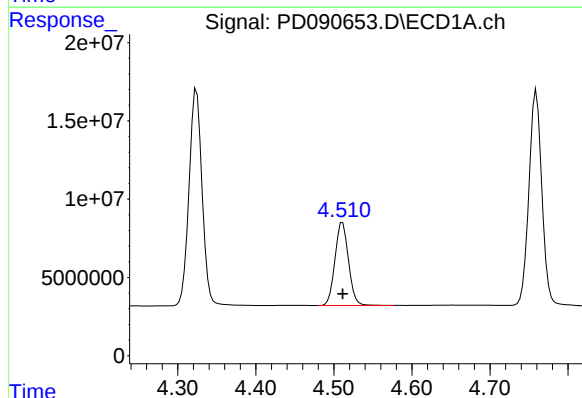
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 155953472
Conc: 23.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



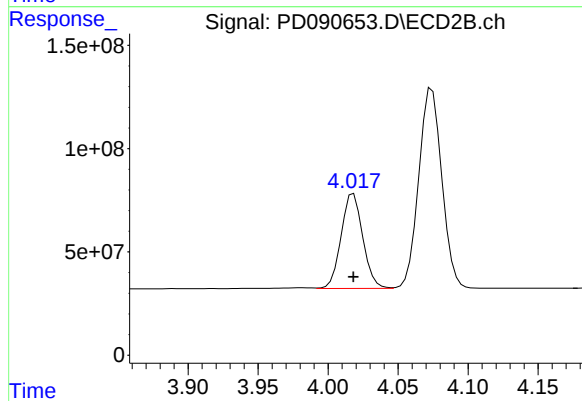
#5 Aldrin

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



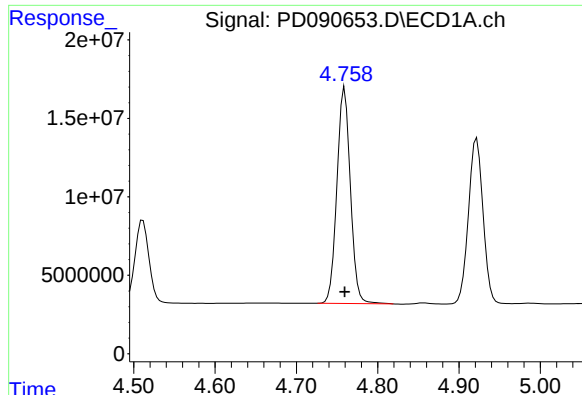
#6 beta-BHC

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



#6 beta-BHC

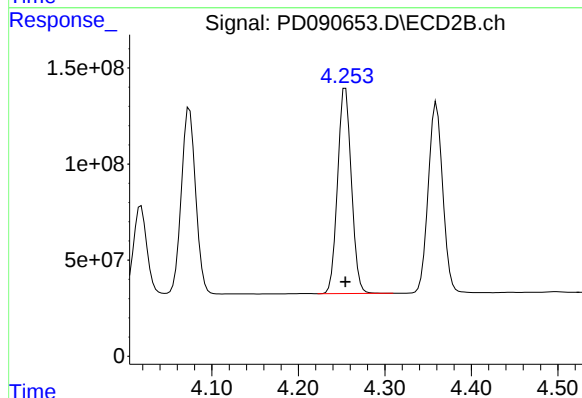
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 495101315
Conc: 26.21 ng/ml



#7 delta-BHC

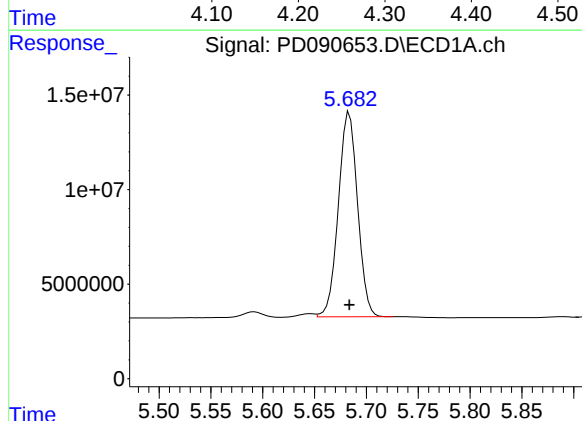
R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 158561347
Conc: 23.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



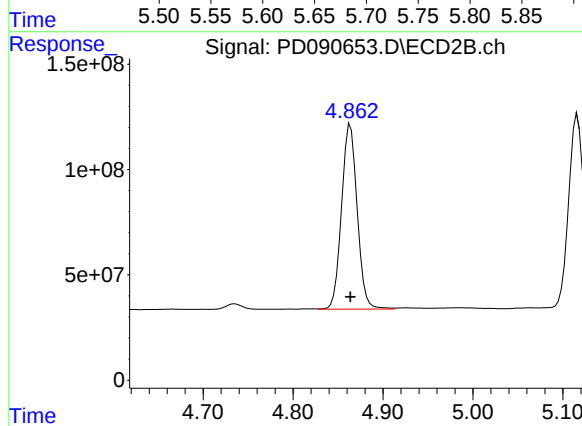
#7 delta-BHC

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



#8 Heptachlor epoxide

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



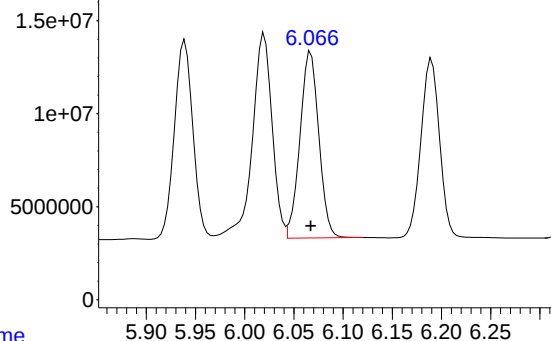
#8 Heptachlor epoxide

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

Response_

Signal: PD090653.D\ECD1A.ch

#9 Endosulfan I



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

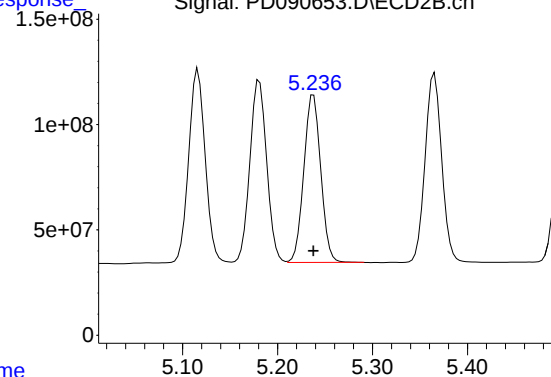
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response

Signal: PD090653.D\ECD2B.ch

#9 Endosulfan I



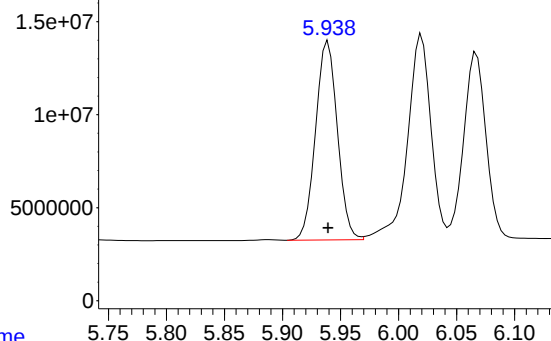
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 986966005
Conc: 26.32 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#10 gamma-Chlordane



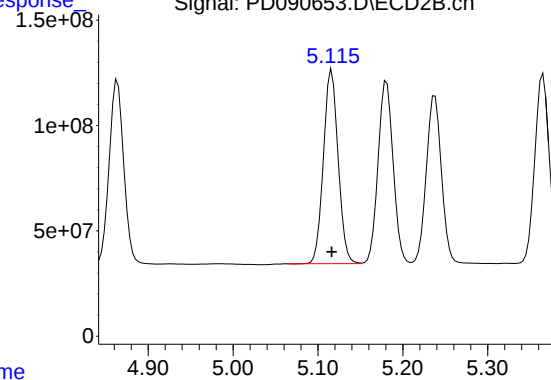
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 139816717
Conc: 23.99 ng/ml

Time

Response

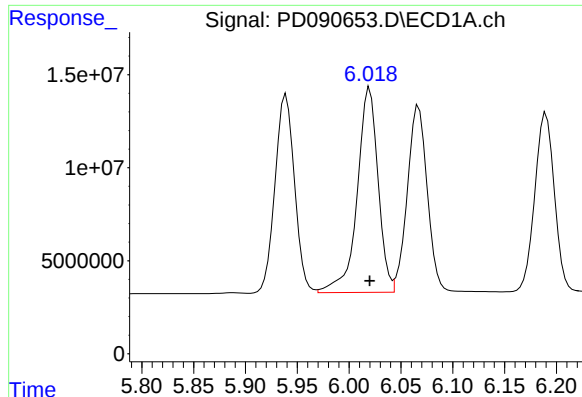
Signal: PD090653.D\ECD2B.ch

#10 gamma-Chlordane



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

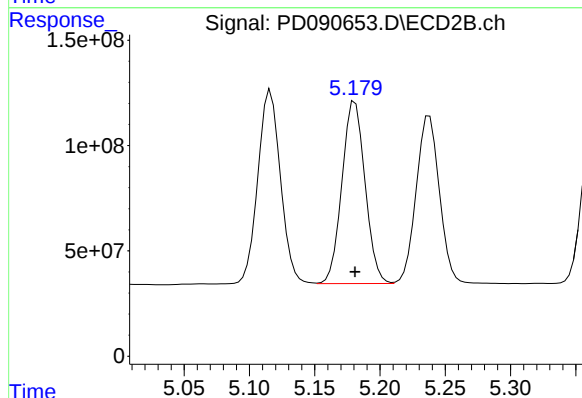
Time



#11 alpha-Chlordane

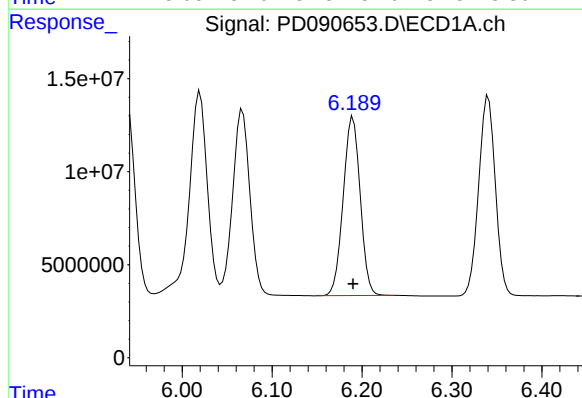
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 154261488
Conc: 25.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



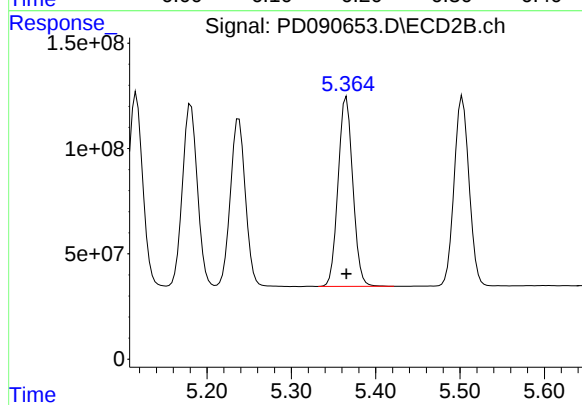
#11 alpha-Chlordane

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



#12 4,4'-DDE

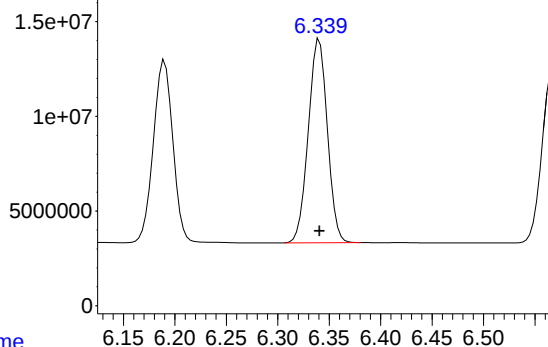
R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 126326499
Conc: 23.86 ng/ml



#12 4,4'-DDE

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

Response_ Signal: PD090653.D\ECD1A.ch

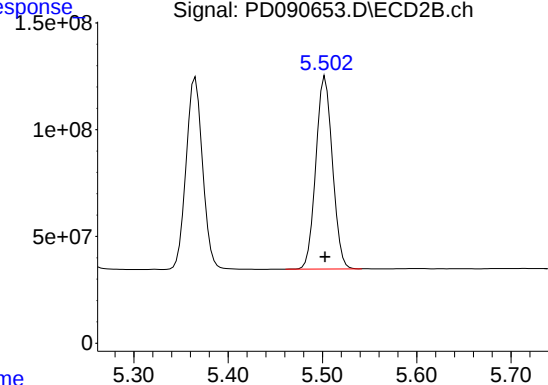


#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

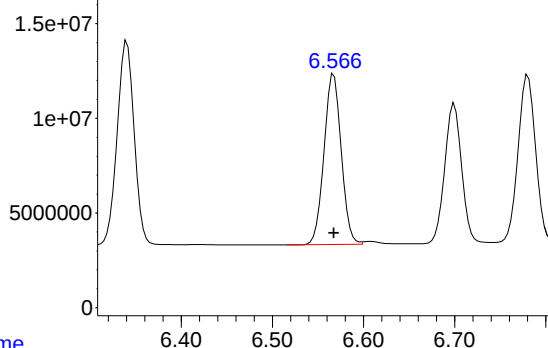
Time Response_ Signal: PD090653.D\ECD2B.ch



#13 Dieldrin

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

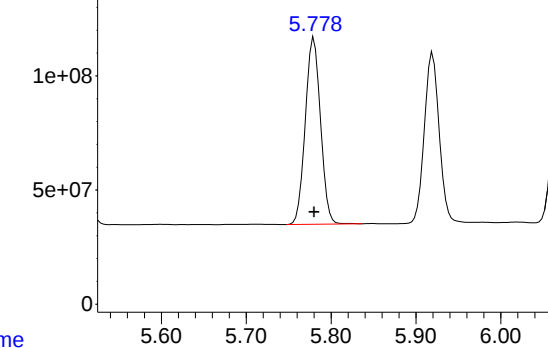
Time Response_ Signal: PD090653.D\ECD1A.ch



#14 Endrin

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

Time Response_ Signal: PD090653.D\ECD2B.ch



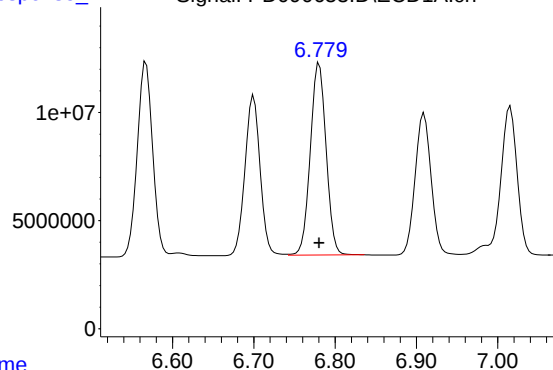
#14 Endrin

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

Response_

Signal: PD090653.D\ECD1A.ch

#15 Endosulfan II



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

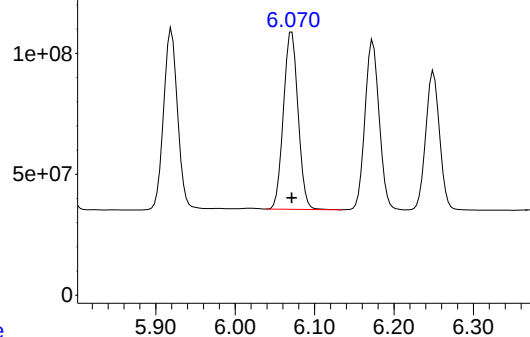
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#15 Endosulfan II



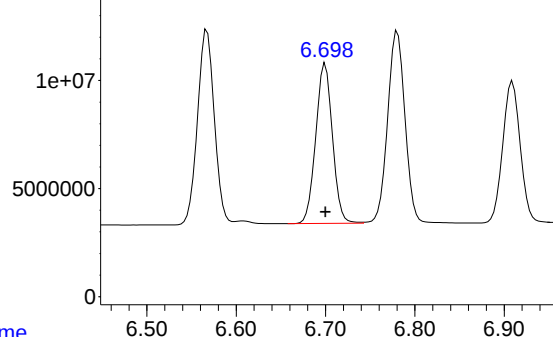
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 938003929
Conc: 26.20 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#16 4,4'-DDD



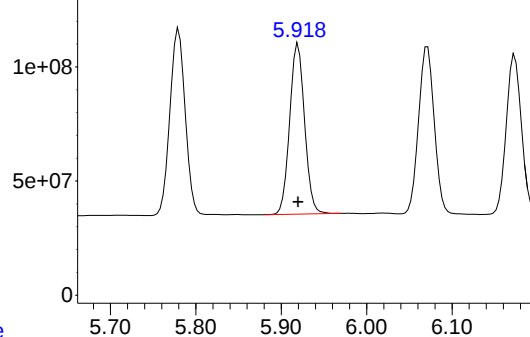
R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 96019034
Conc: 23.82 ng/ml

Time

Response_

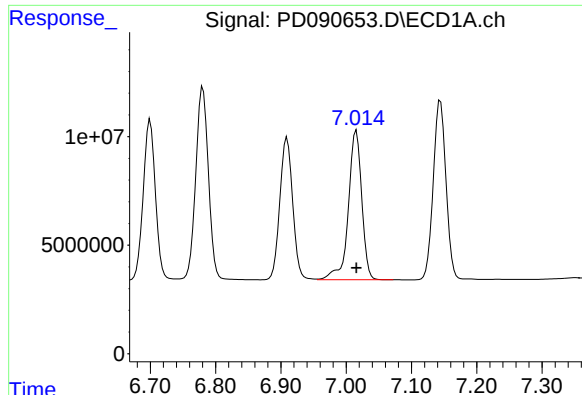
Signal: PD090653.D\ECD2B.ch

#16 4,4'-DDD



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

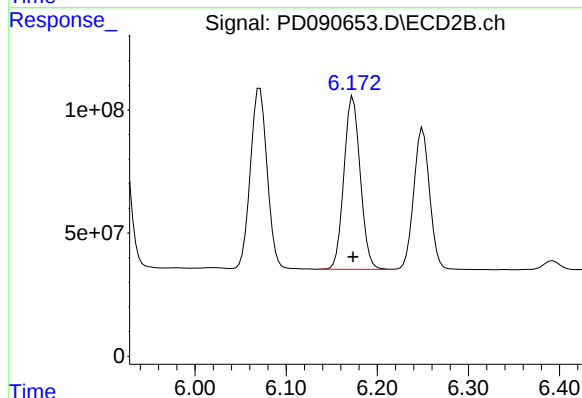
Time



#17 4,4'-DDT

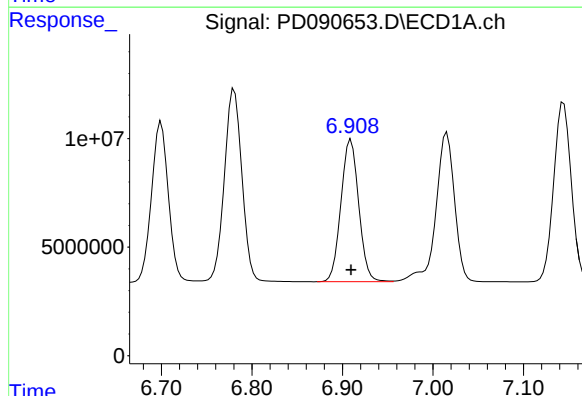
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 98197092
Conc: 23.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



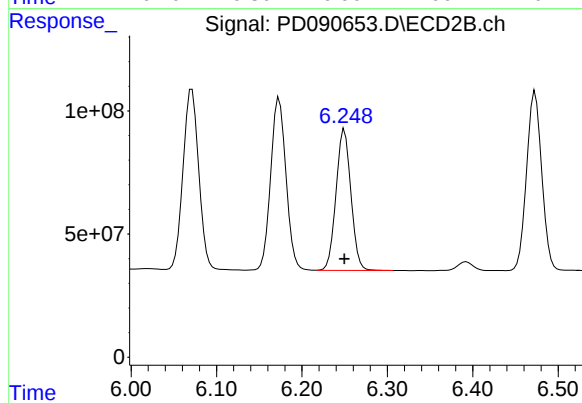
#17 4,4'-DDT

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



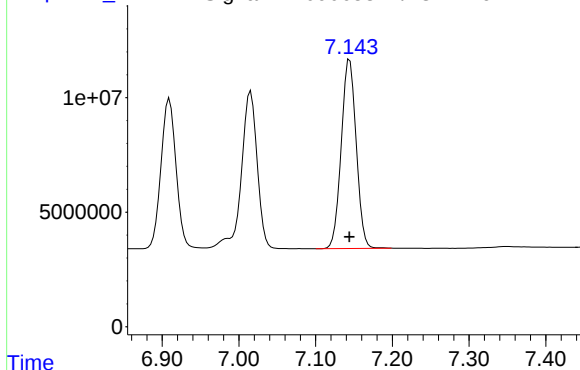
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



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

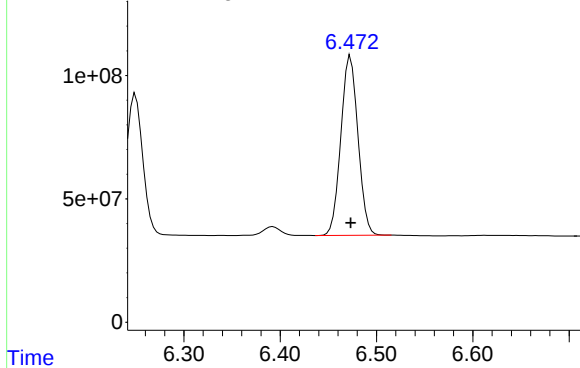
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090653.D\ECD2B.ch

#19 Endosulfan Sulfate



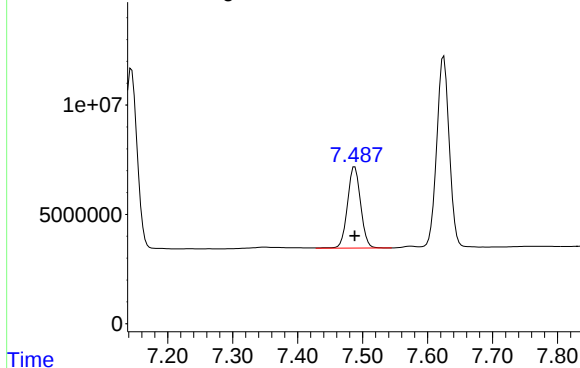
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 896525775
Conc: 26.11 ng/ml

Time

Response_

Signal: PD090653.D\ECD1A.ch

#20 Methoxychlor



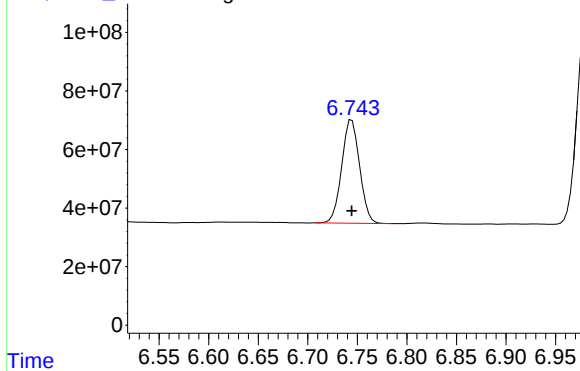
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 52364279
Conc: 25.42 ng/ml

Time

Response_

Signal: PD090653.D\ECD2B.ch

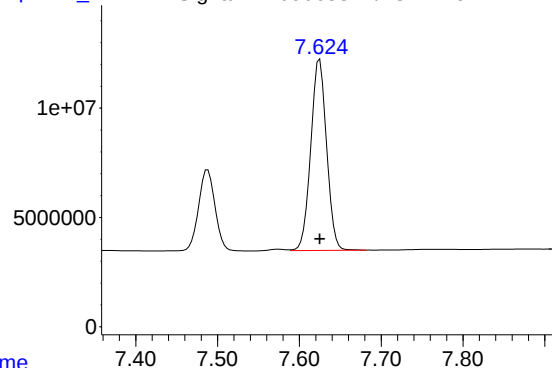
#20 Methoxychlor



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

Time

Response_ Signal: PD090653.D\ECD1A.ch

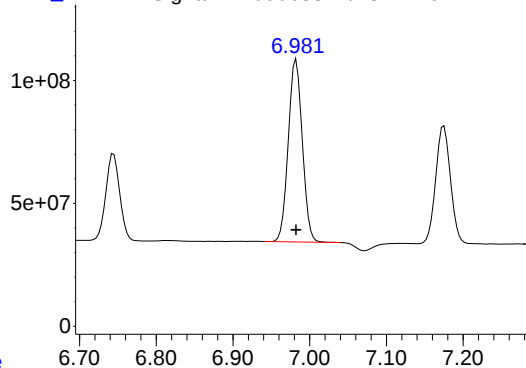


#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

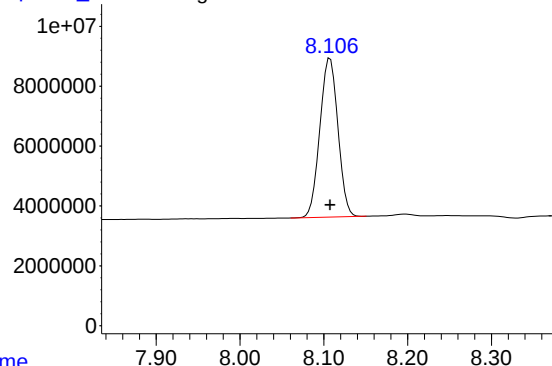
Time Response_ Signal: PD090653.D\ECD2B.ch



#21 Endrin ketone

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

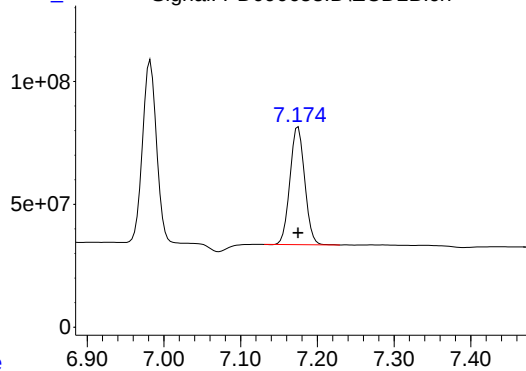
Time Response_ Signal: PD090653.D\ECD1A.ch



#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

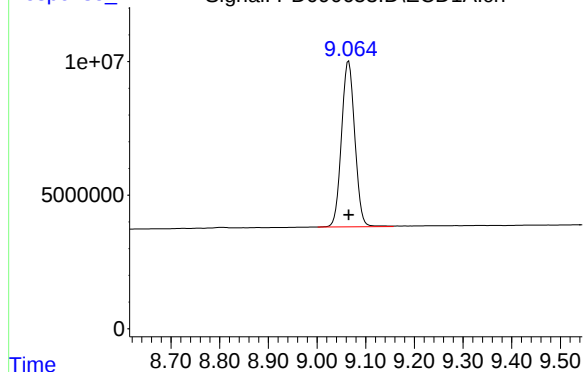
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 640790883
Conc: 26.34 ng/ml

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

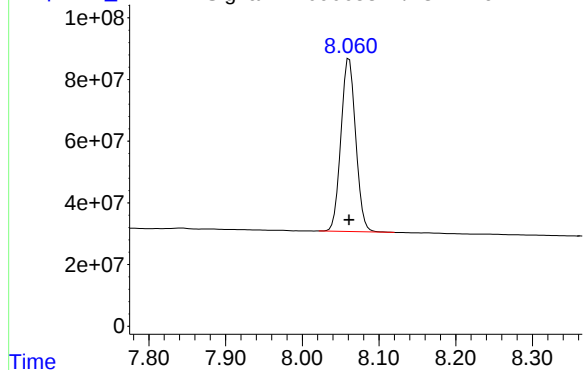
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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

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

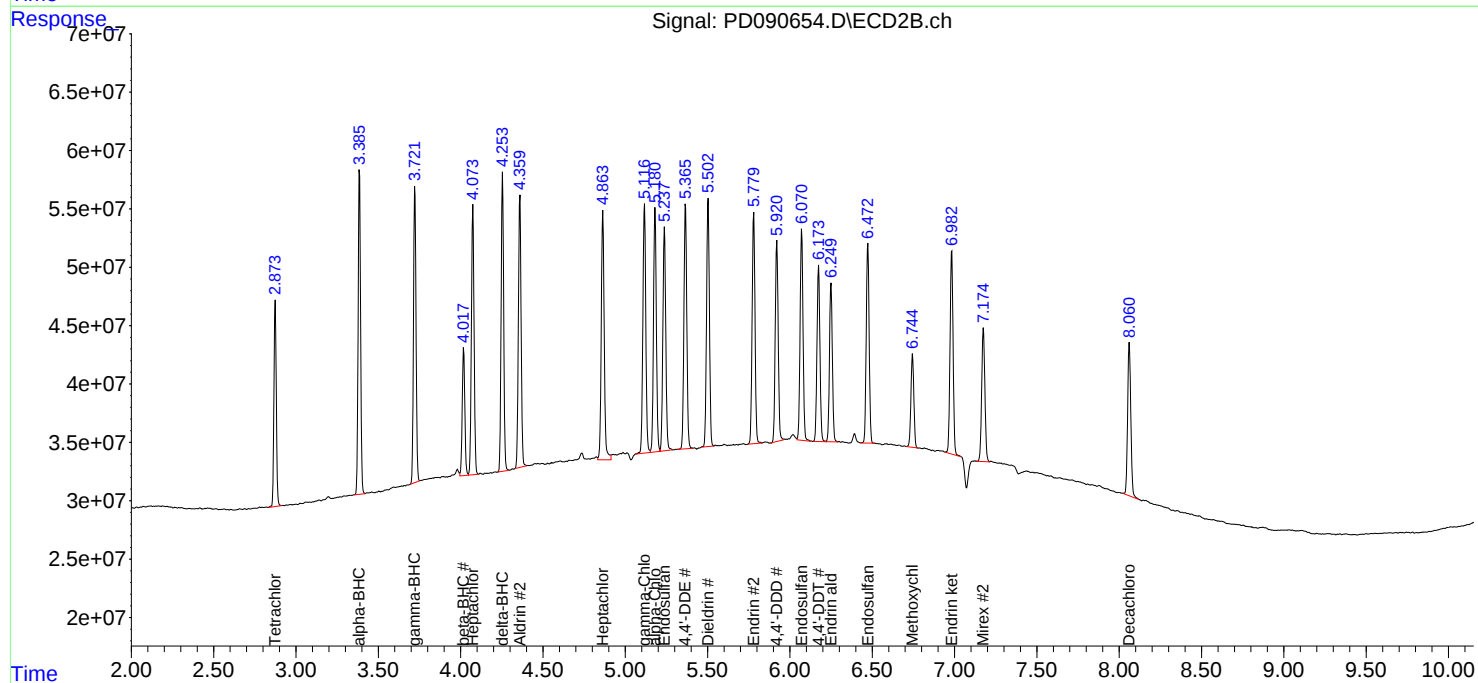
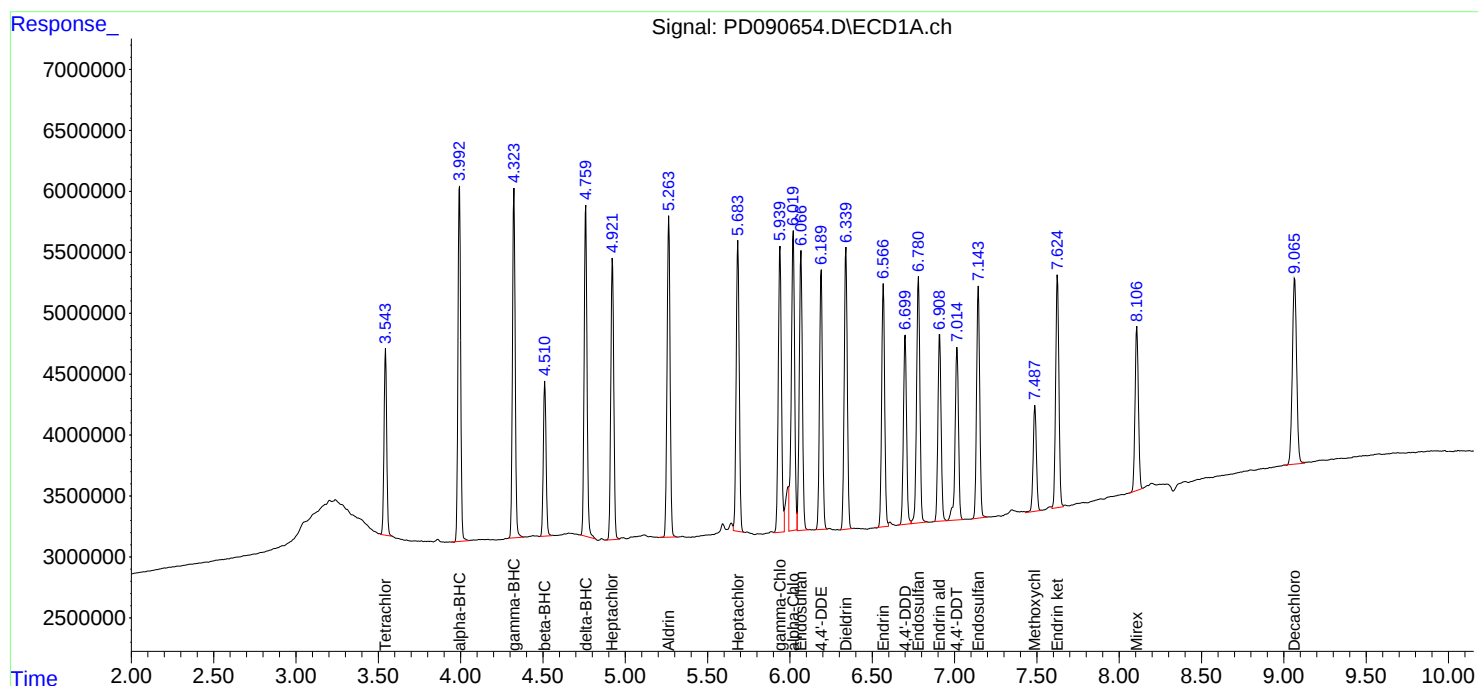
APPROVED

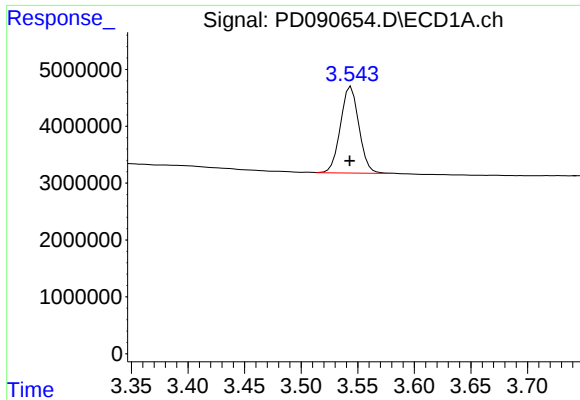
Reviewed By :Abdul Mirza 10/19/2025

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

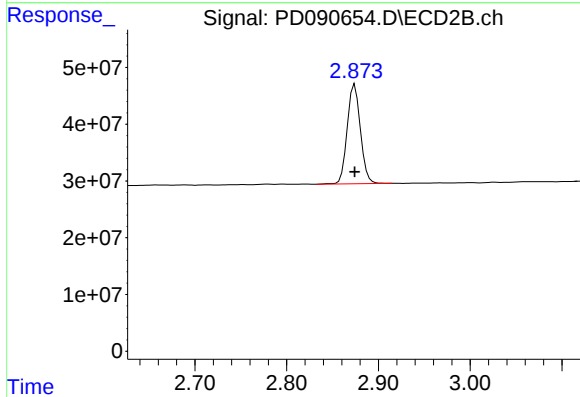
R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 17271955
Conc: 5.55 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

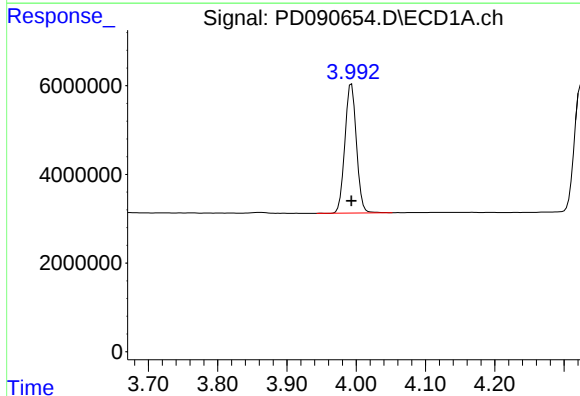
Manual Integrations
APPROVED

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



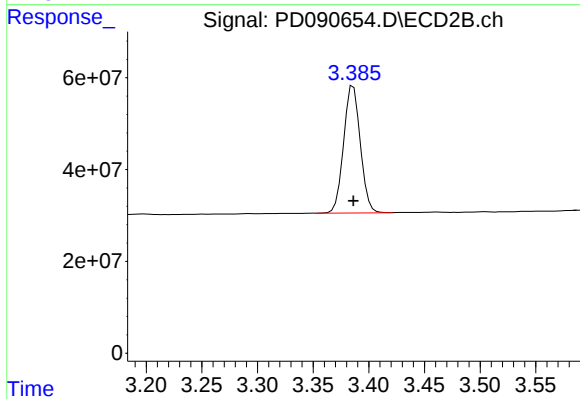
#1 Tetrachloro-m-xylene

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



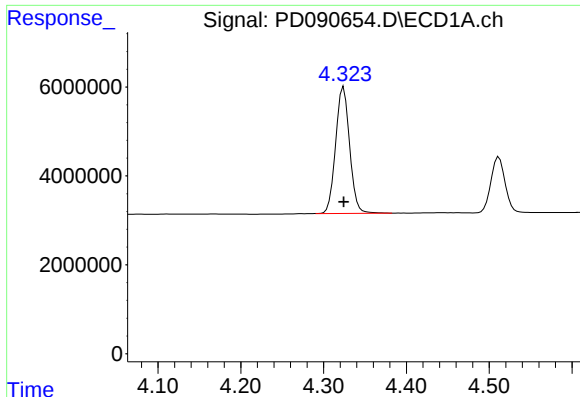
#2 alpha-BHC

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)

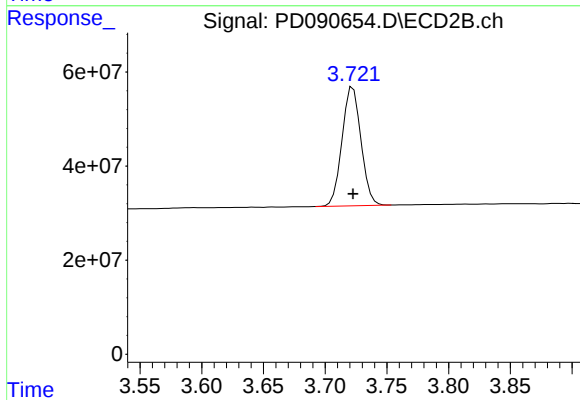
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 33423739
Conc: 4.92 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

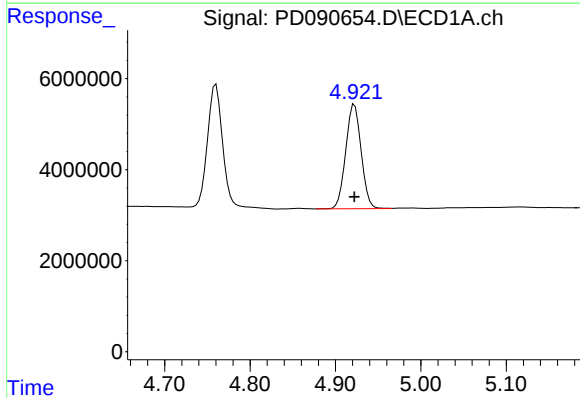
Manual Integrations
APPROVED

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



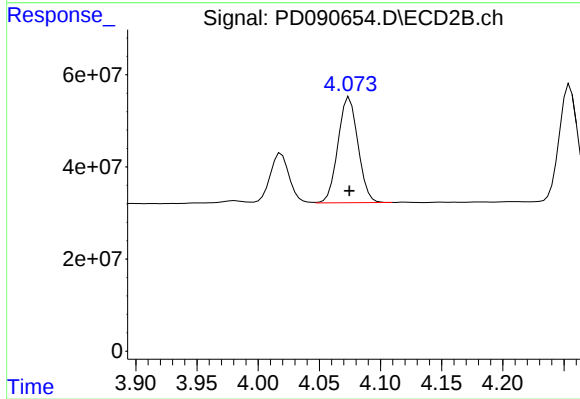
#3 gamma-BHC (Lindane)

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



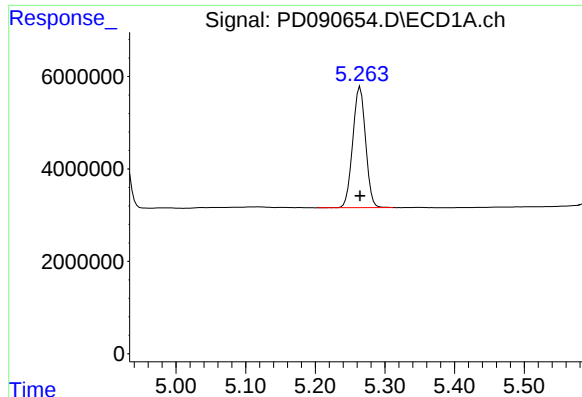
#4 Heptachlor

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



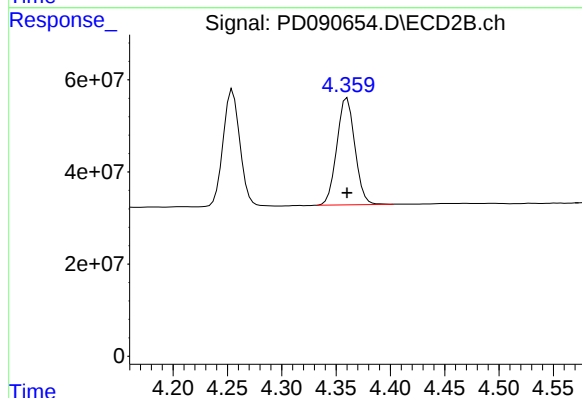
#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

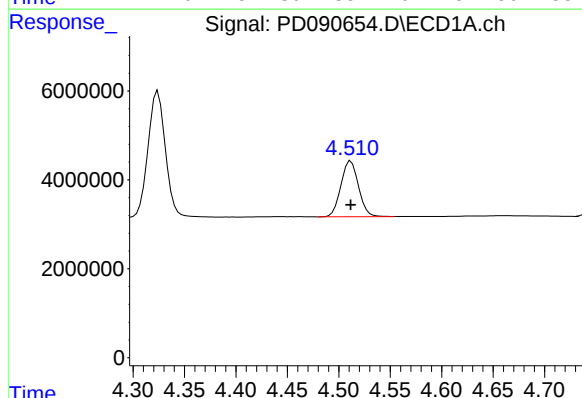
Manual Integrations
APPROVED

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



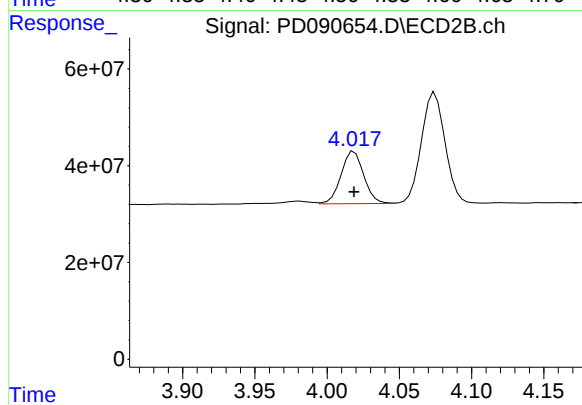
#5 Aldrin

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



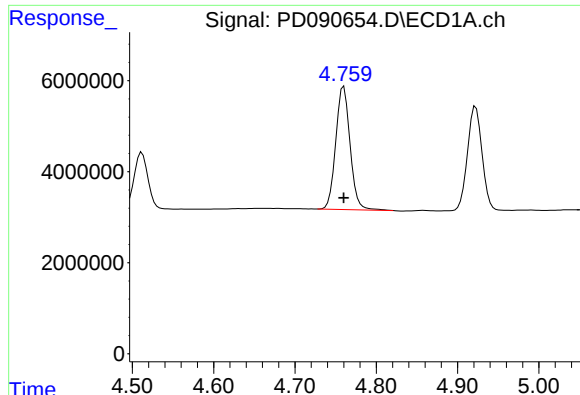
#6 beta-BHC

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



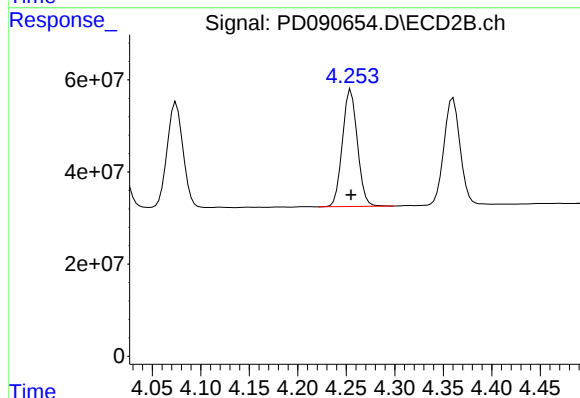
#7 delta-BHC

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

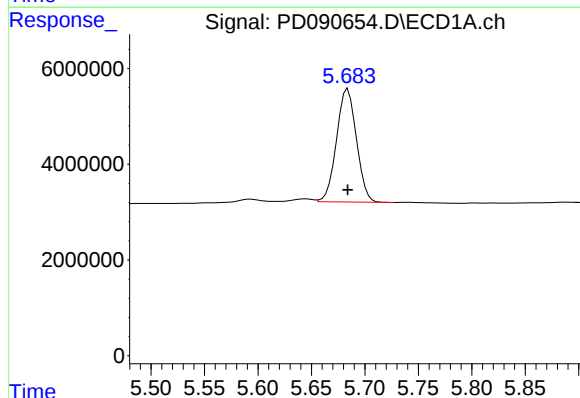
Manual Integrations
APPROVED

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



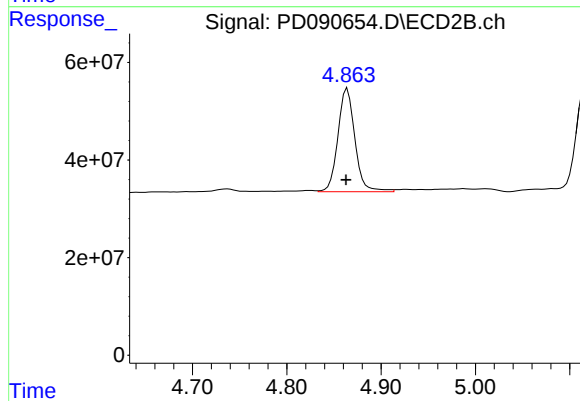
#7 delta-BHC

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



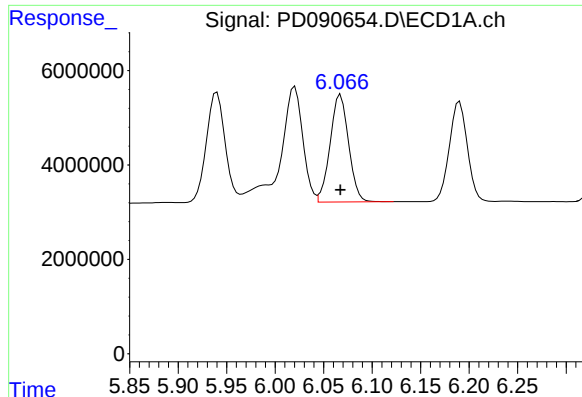
#8 Heptachlor epoxide

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



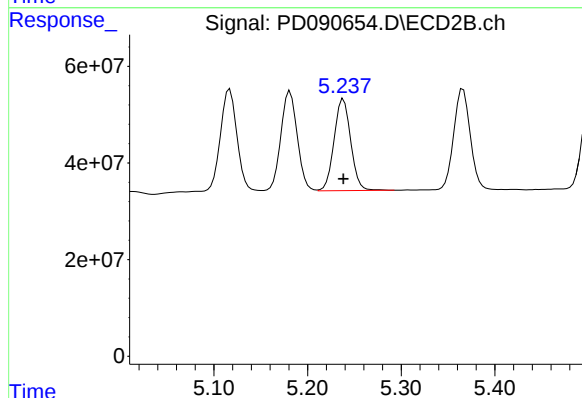
#9 Endosulfan I

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

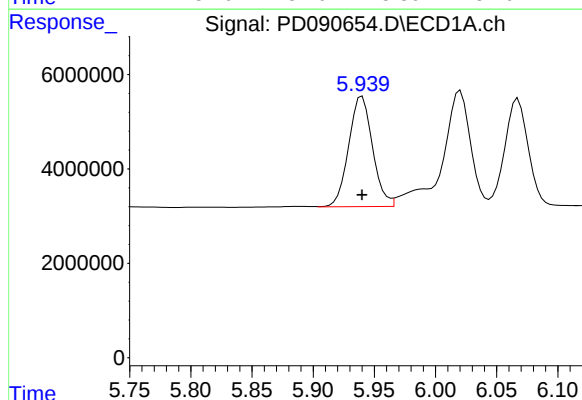
Manual Integrations
APPROVED

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



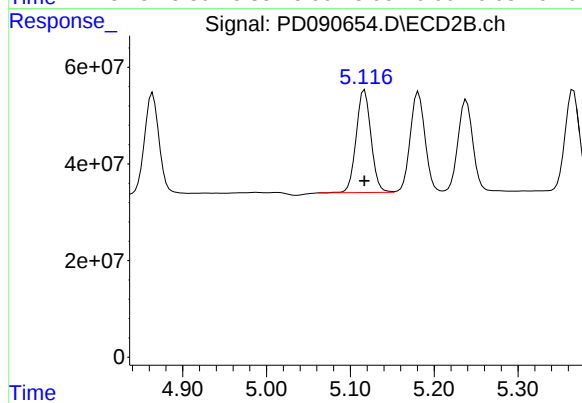
#9 Endosulfan I

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



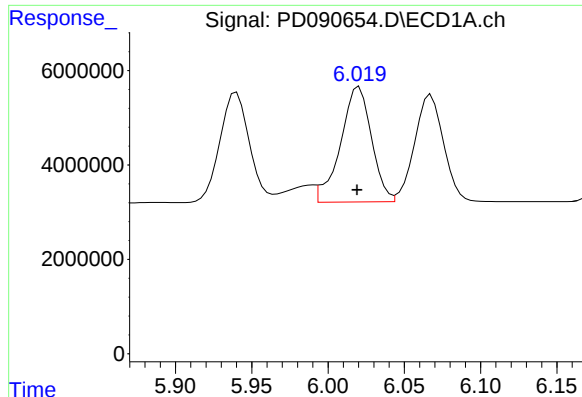
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



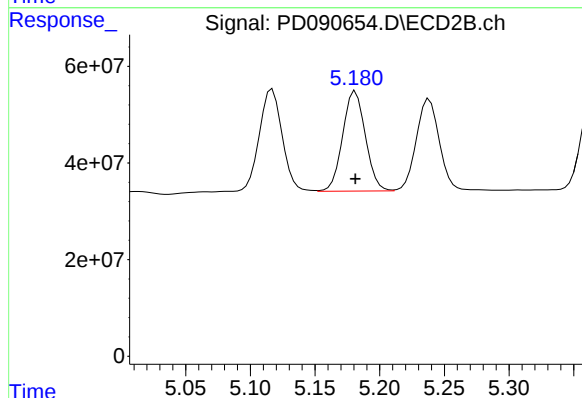
#11 alpha-Chlordane

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

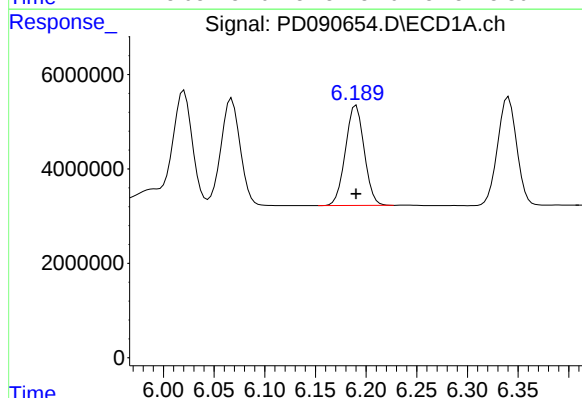
Manual Integrations
APPROVED

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



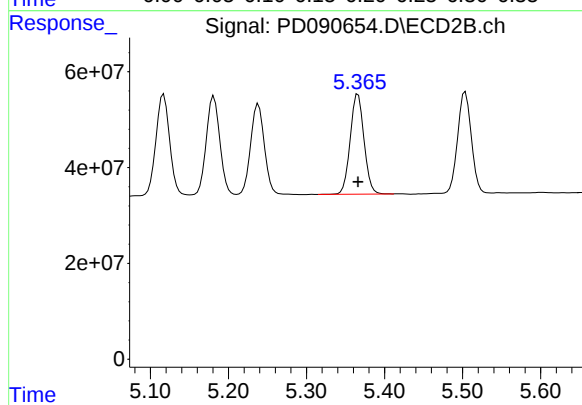
#11 alpha-Chlordane

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



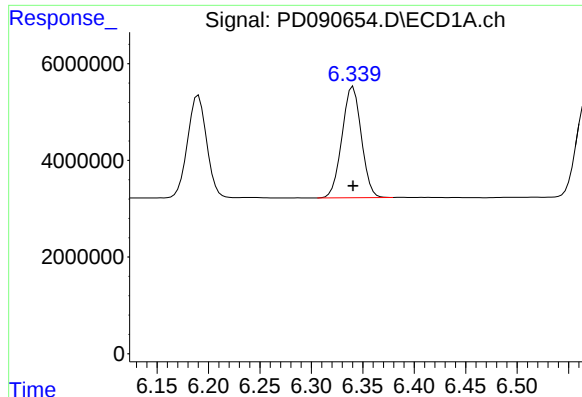
#12 4,4'-DDE

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



#12 4,4'-DDE

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



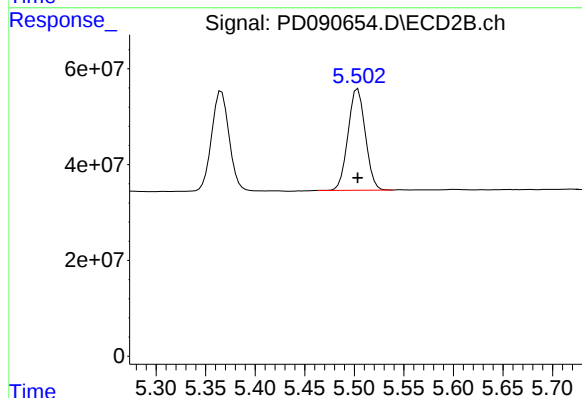
#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

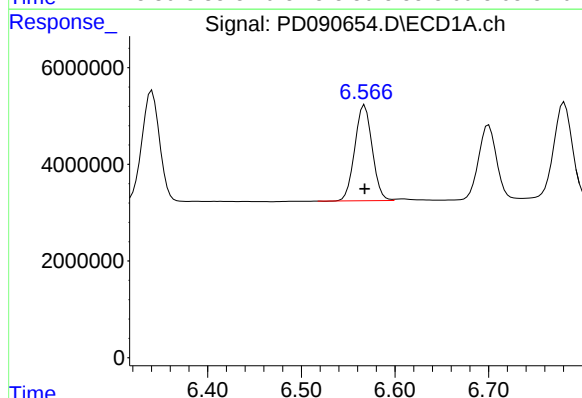
Manual Integrations
APPROVED

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



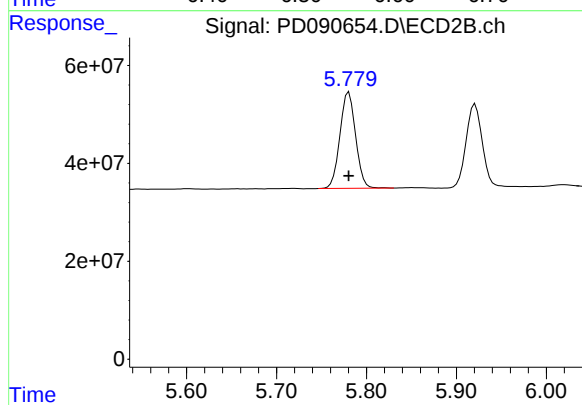
#13 Dieldrin

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



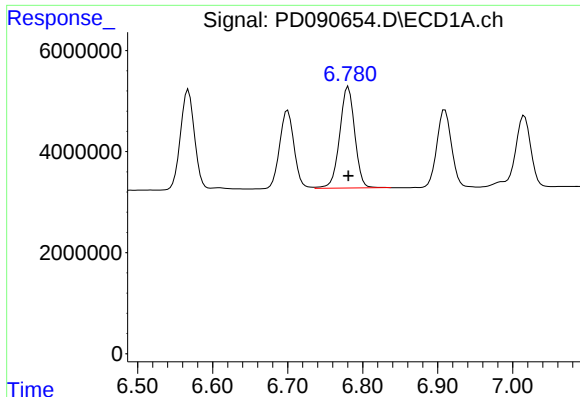
#14 Endrin

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



#14 Endrin

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



#15 Endosulfan II

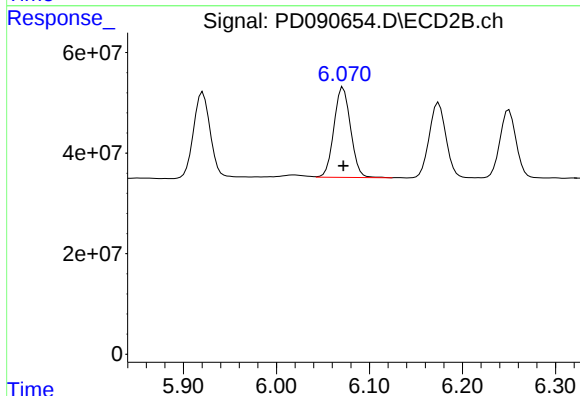
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 28078989
Conc: 5.62 ng/ml

ICAL Form

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

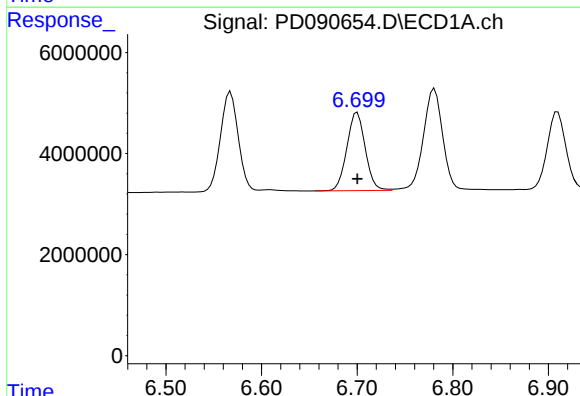
Manual Integrations
APPROVED

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



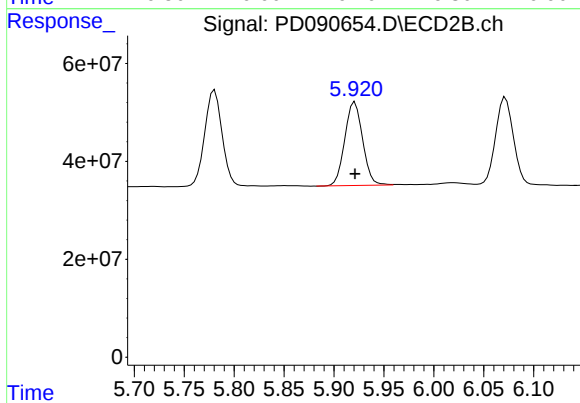
#15 Endosulfan II

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



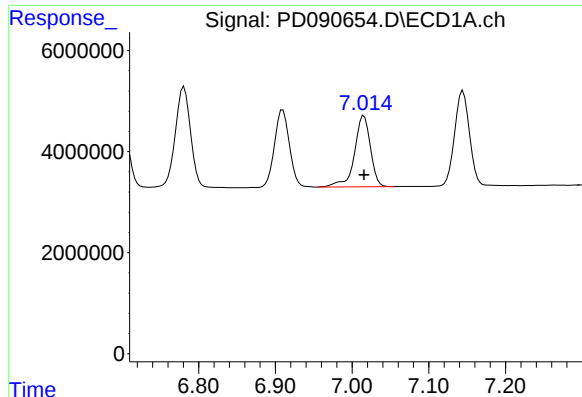
#16 4,4'-DDD

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



#16 4,4'-DDD

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



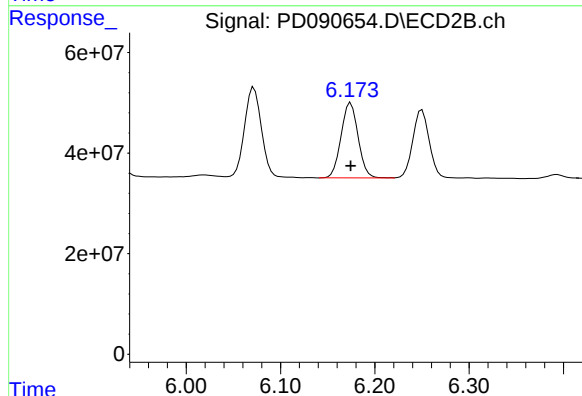
#17 4,4'-DDT

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

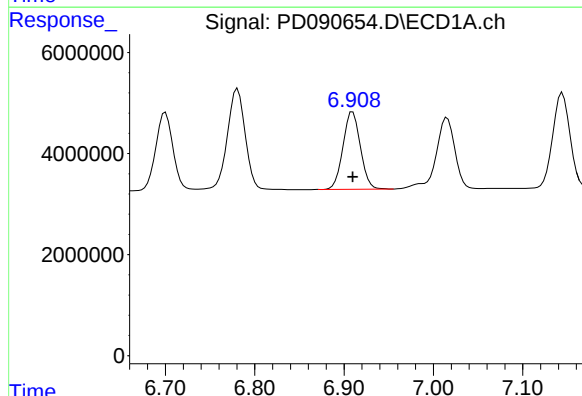
Manual Integrations
APPROVED

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



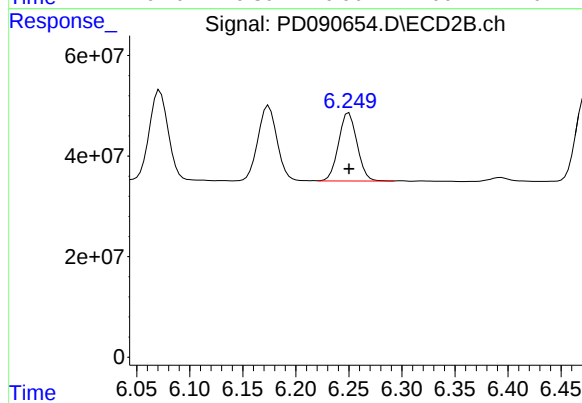
#17 4,4'-DDT

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



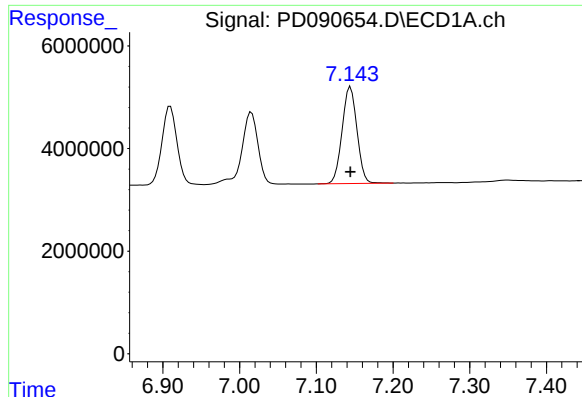
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



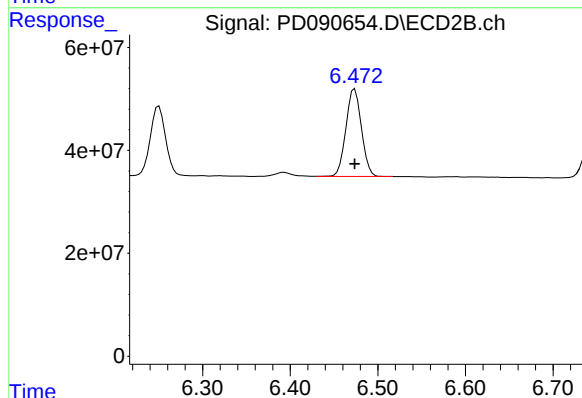
#19 Endosulfan Sulfate

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

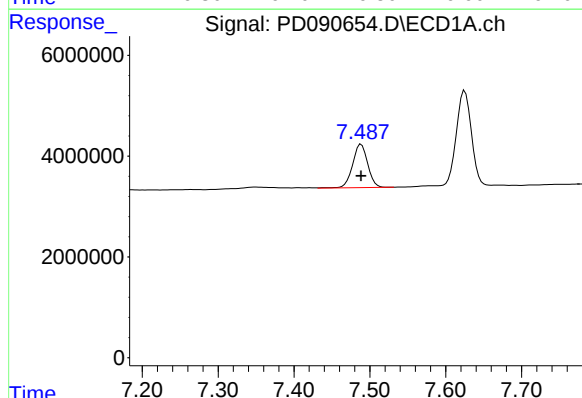
Manual Integrations
APPROVED

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



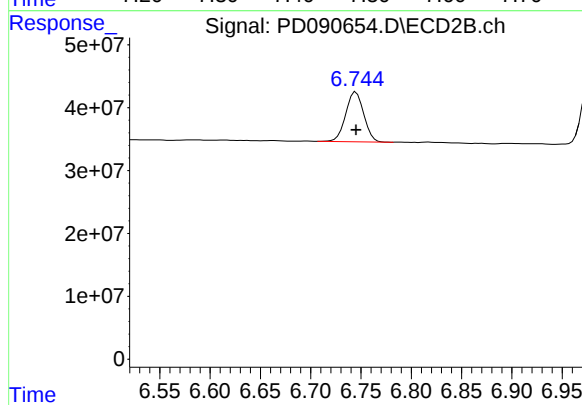
#19 Endosulfan Sulfate

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



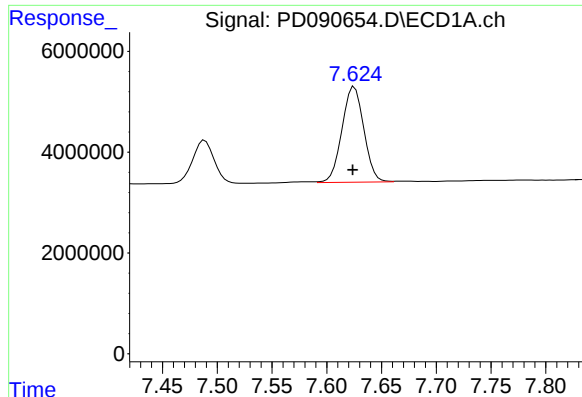
#20 Methoxychlor

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



#20 Methoxychlor

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



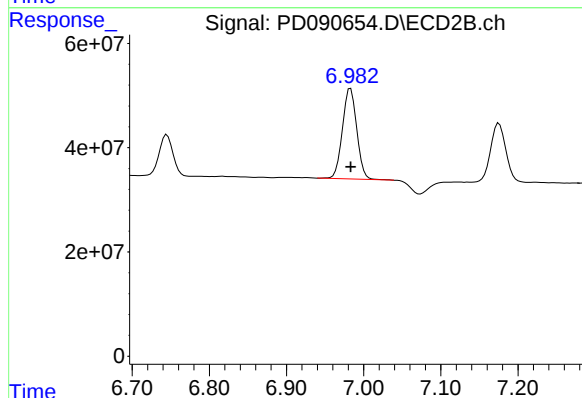
#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

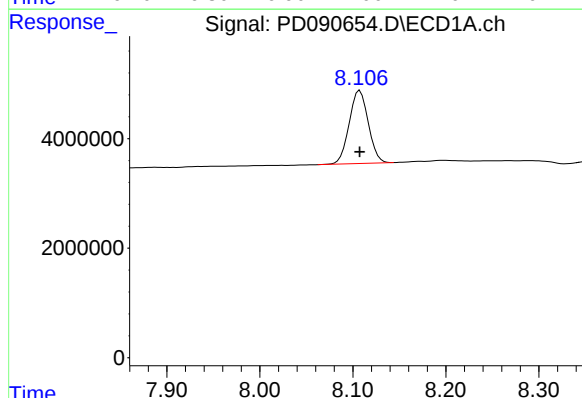
Manual Integrations
APPROVED

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



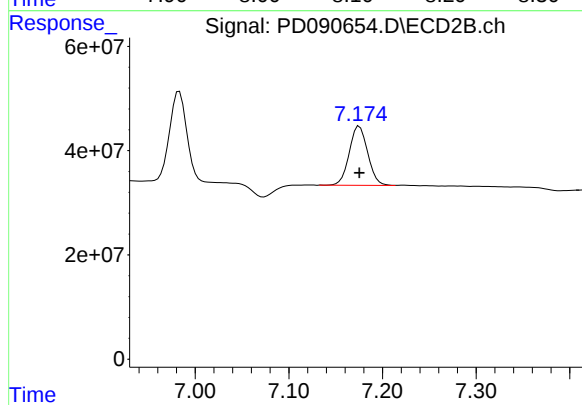
#21 Endrin ketone

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



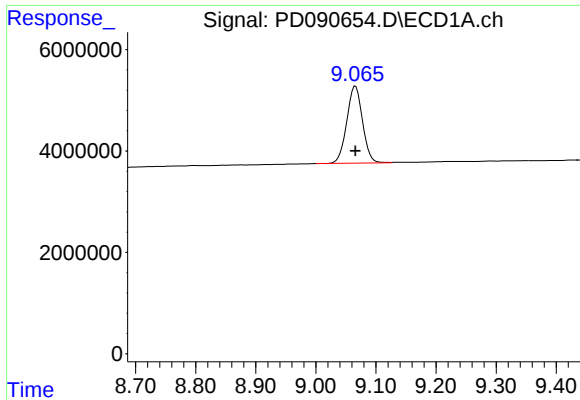
#22 Mirex

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



#22 Mirex

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



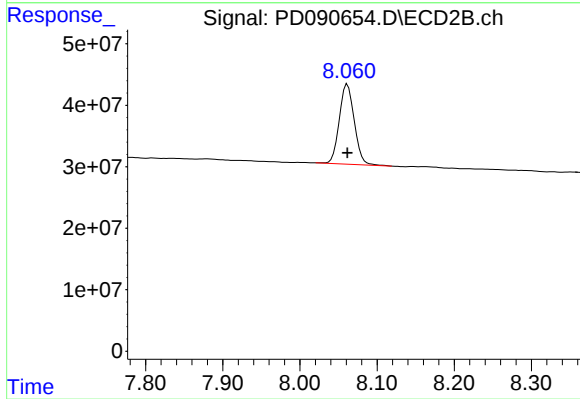
#28 Decachlorobiphenyl

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

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

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

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

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

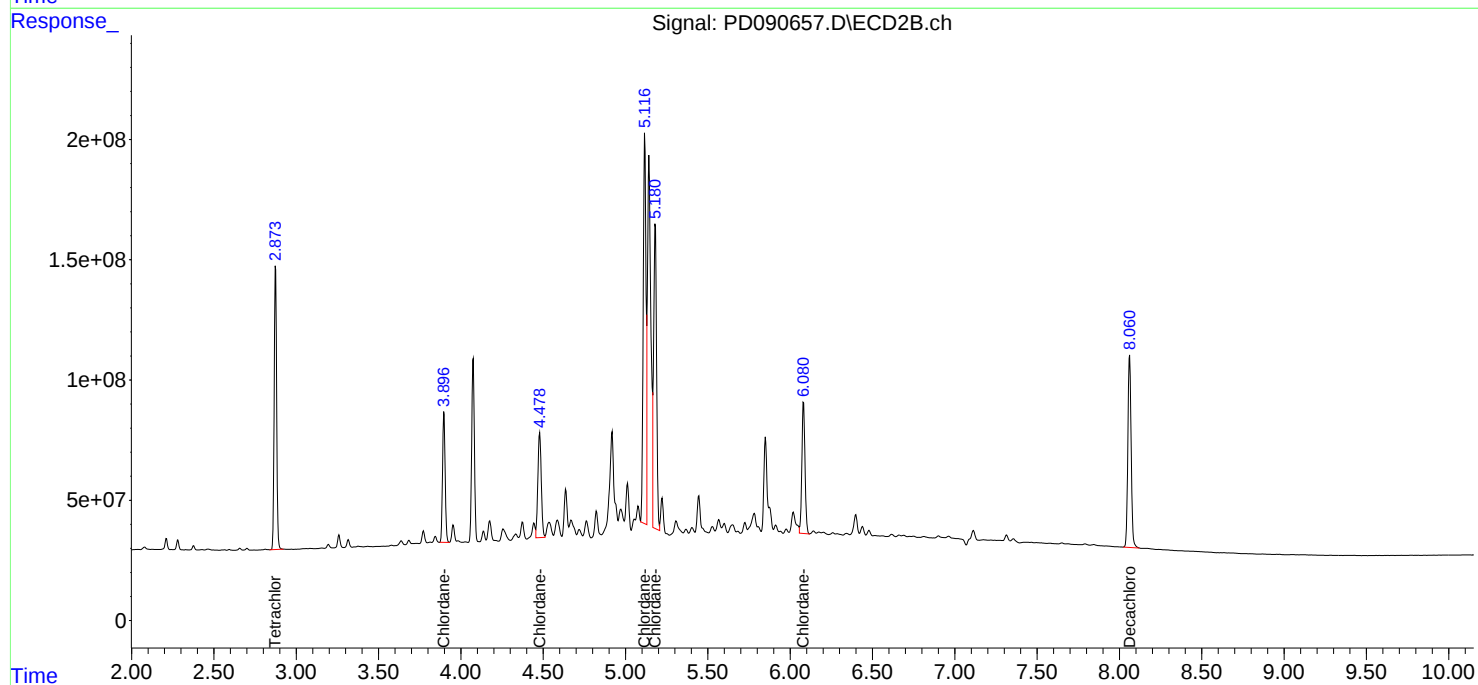
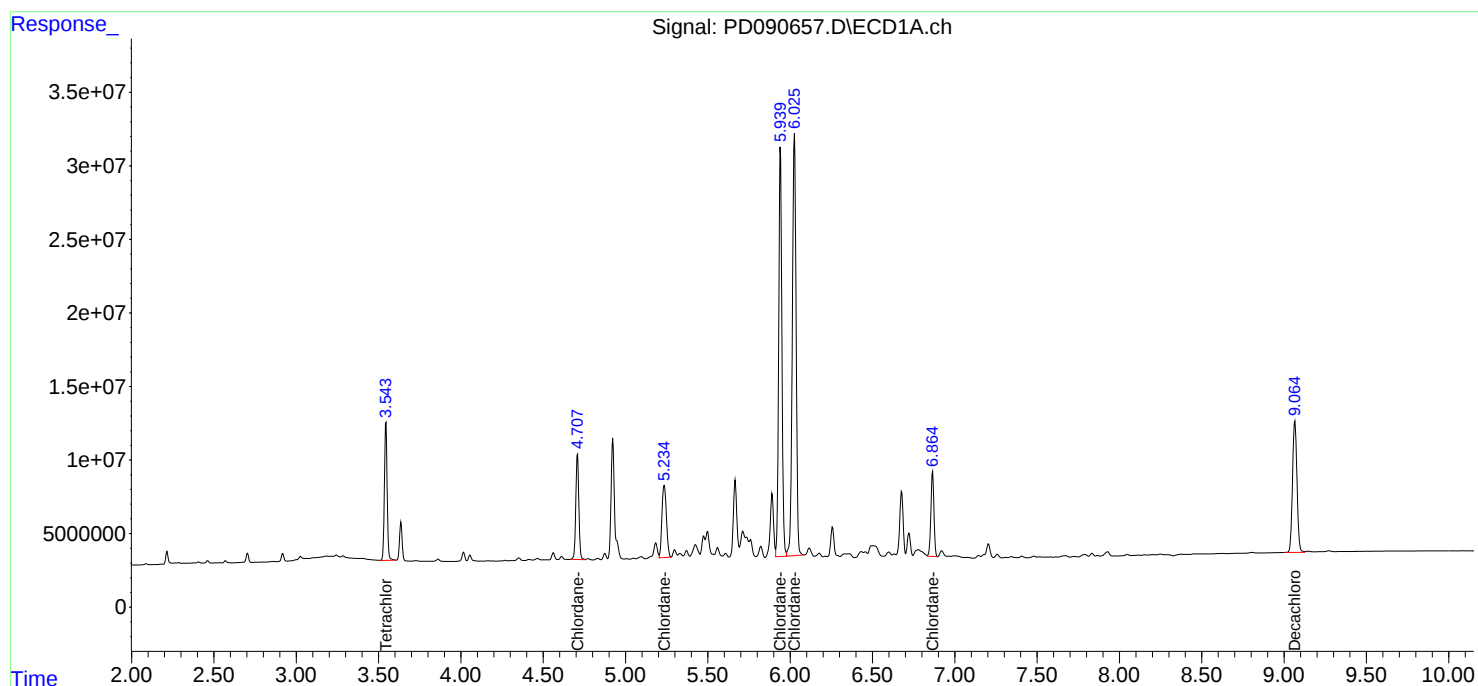
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

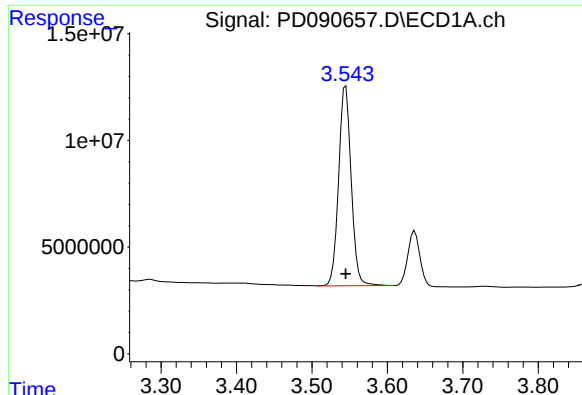
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 13:09
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

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

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

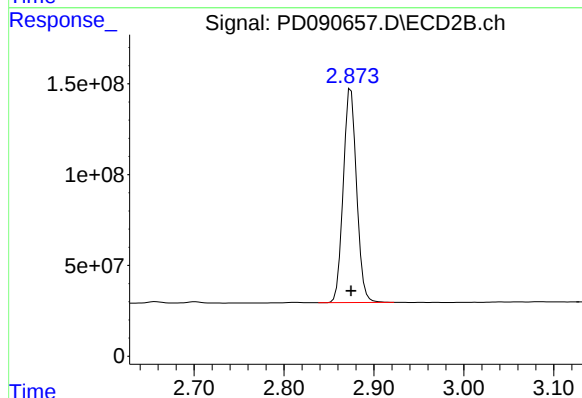




#1 Tetrachloro-m-xylene

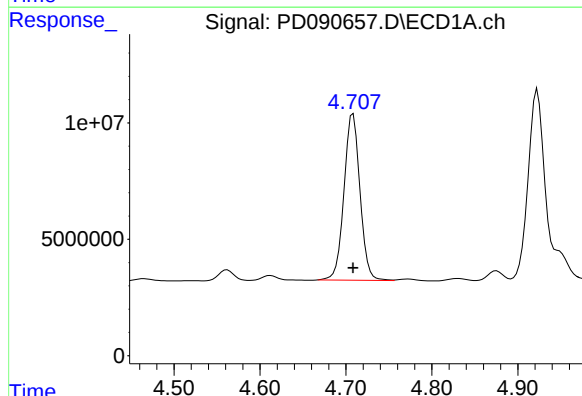
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 108758097
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



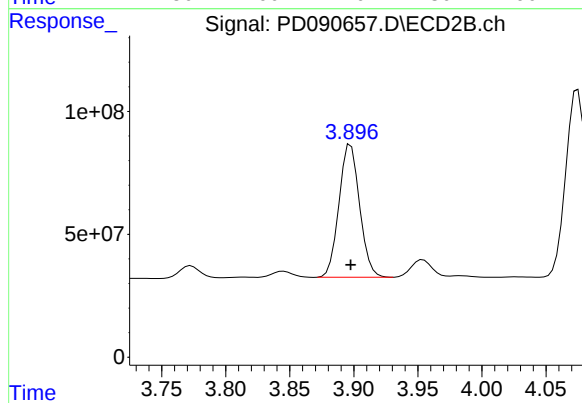
#1 Tetrachloro-m-xylene

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



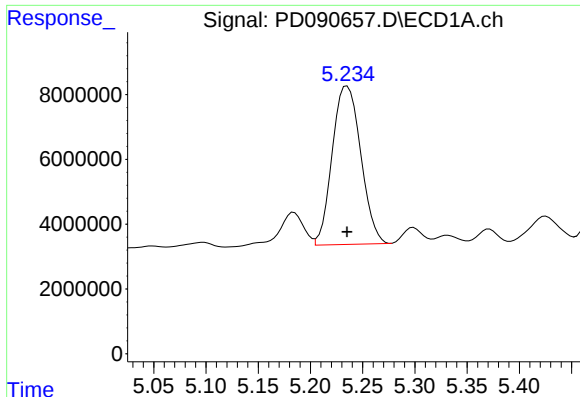
#23 Chlordane-1

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



#23 Chlordane-1

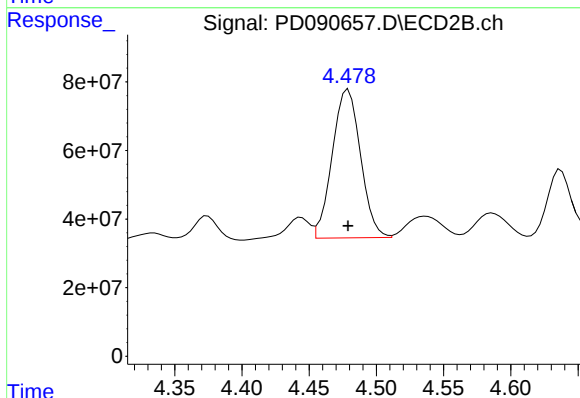
R.T.: 3.898 min
Delta R.T.: 0.000 min
Response: 605185458
Conc: 500.00 ng/ml



#24 Chlordane-2

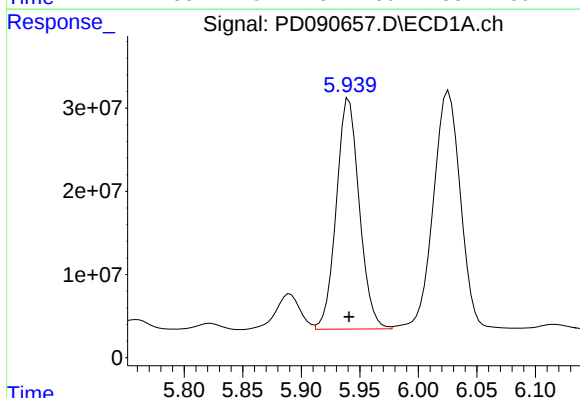
R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 92865500
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



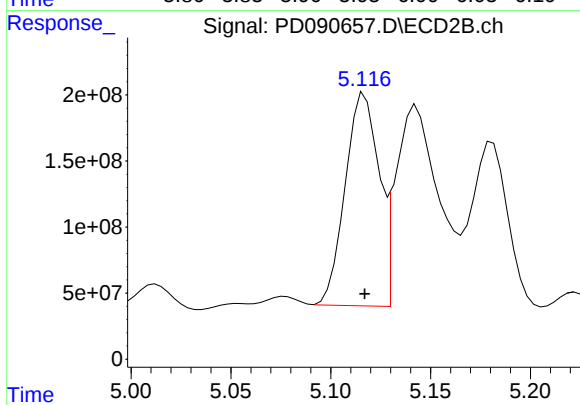
#24 Chlordane-2

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



#25 Chlordane-3

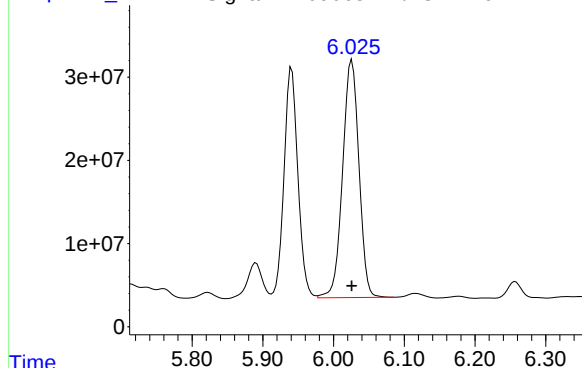
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 379095261
Conc: 500.00 ng/ml



#25 Chlordane-3

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

Response_ Signal: PD090657.D\ECD1A.ch

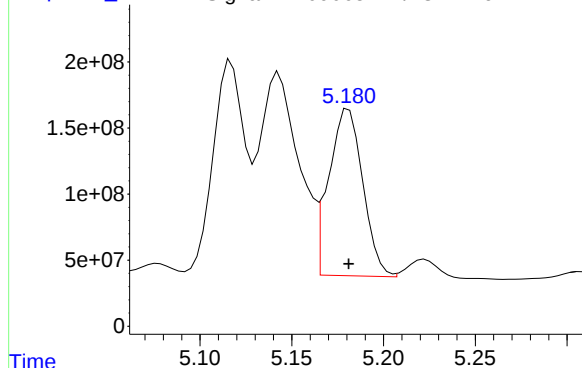


#26 Chlordane-4

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

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

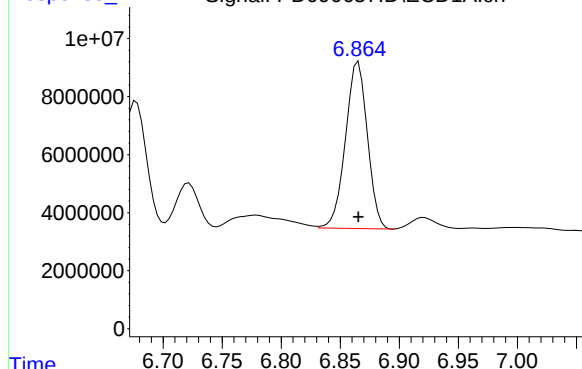
Time Response_ Signal: PD090657.D\ECD2B.ch



#26 Chlordane-4

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

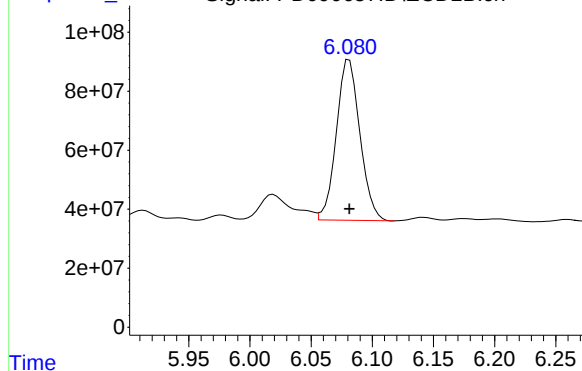
Time Response_ Signal: PD090657.D\ECD1A.ch



#27 Chlordane-5

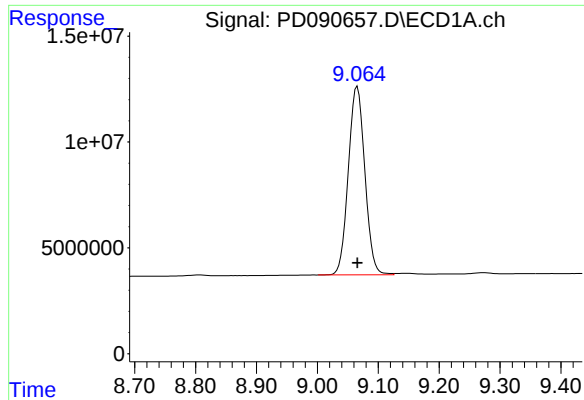
R.T.: 6.865 min
Delta R.T.: 0.000 min
Response: 74238996
Conc: 500.00 ng/ml

Time Response_ Signal: PD090657.D\ECD2B.ch



#27 Chlordane-5

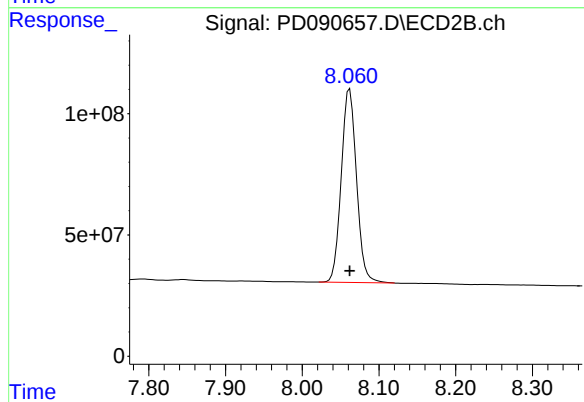
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 730253582
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

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

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

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

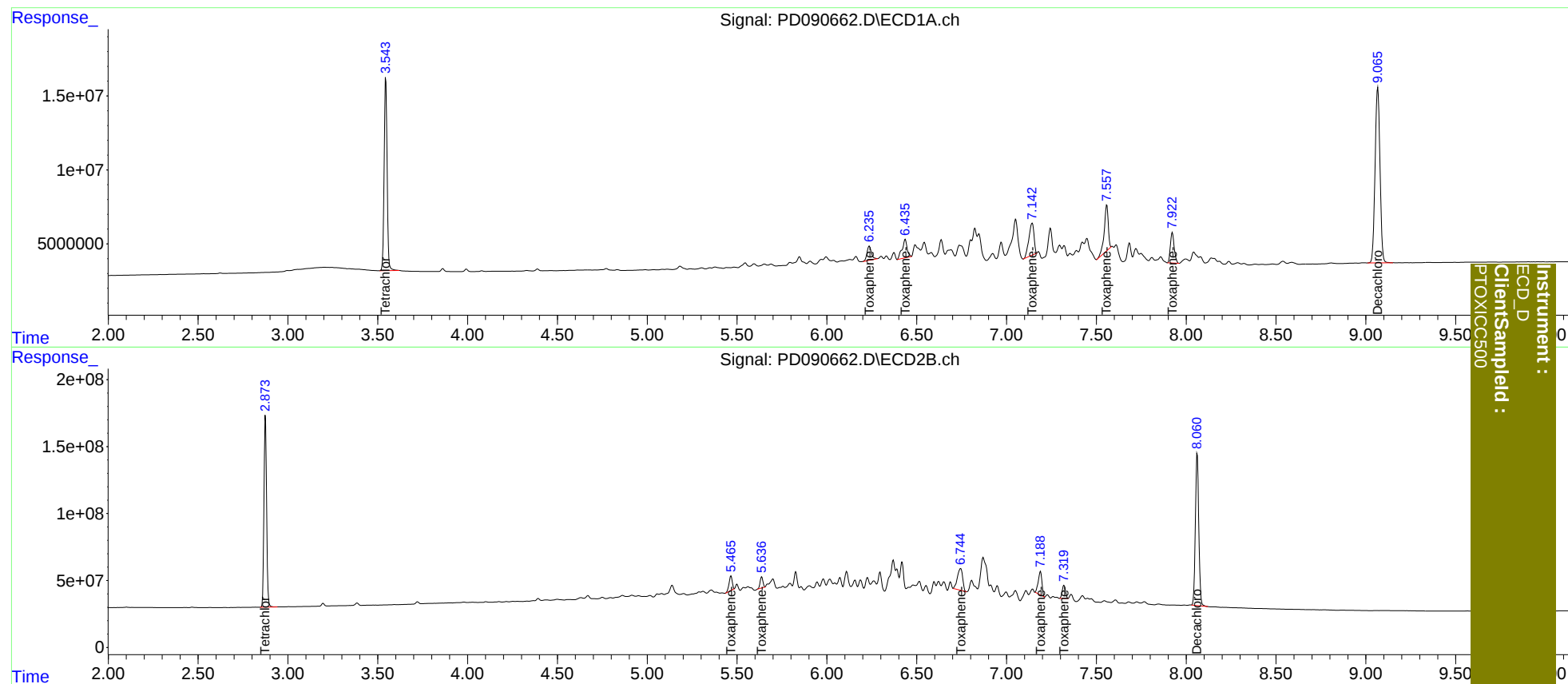
System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.875	149.0E6	1451.5E6	50.000	50.000
7) SA Decachlor...	9.066	8.062	225.6E6	1489.1E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.236	5.466	16282219	131.9E6	500.000	500.000
3) Toxaphene-2	6.436	5.638	24310877	88280081	500.000	500.000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

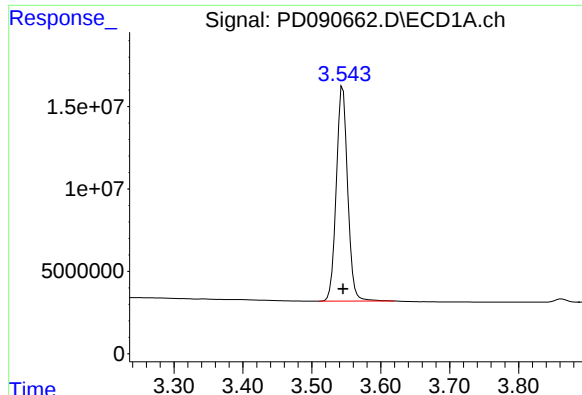
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

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

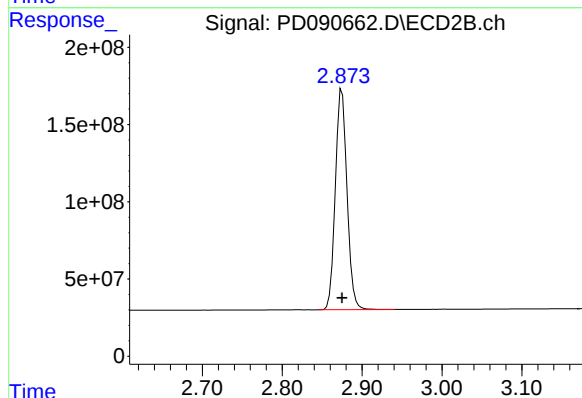




#1 Tetrachloro-m-xylene

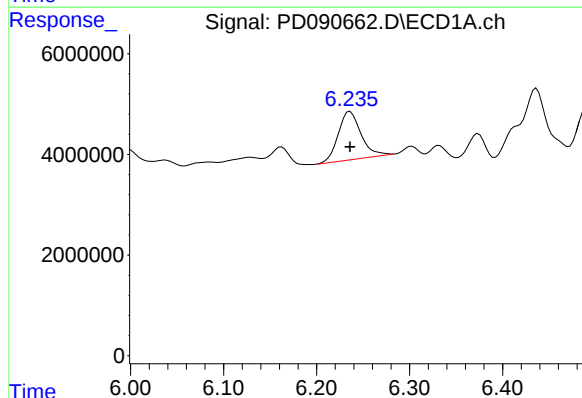
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 149025126
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



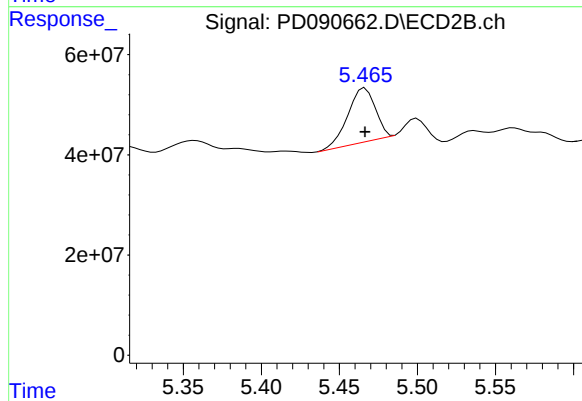
#1 Tetrachloro-m-xylene

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



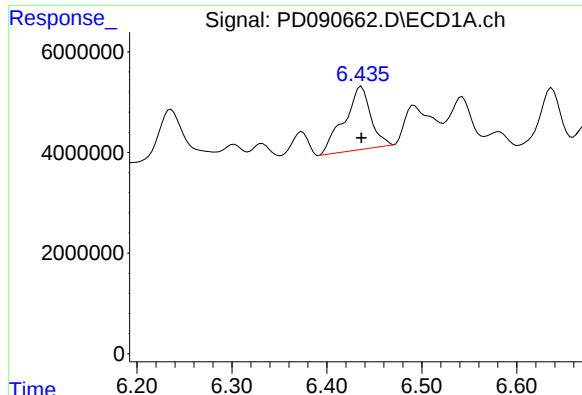
#2 Toxaphene-1

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



#2 Toxaphene-1

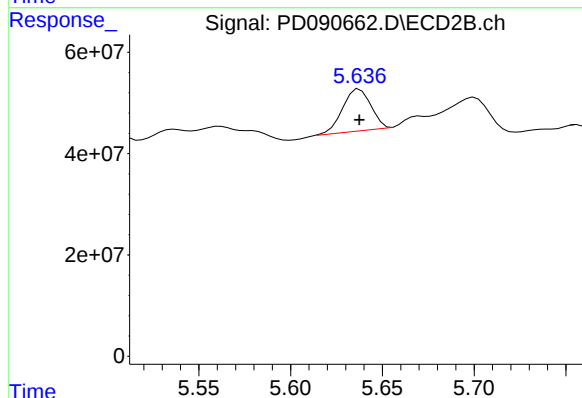
R.T.: 5.466 min
Delta R.T.: 0.000 min
Response: 131850816
Conc: 500.00 ng/ml



#3 Toxaphene-2

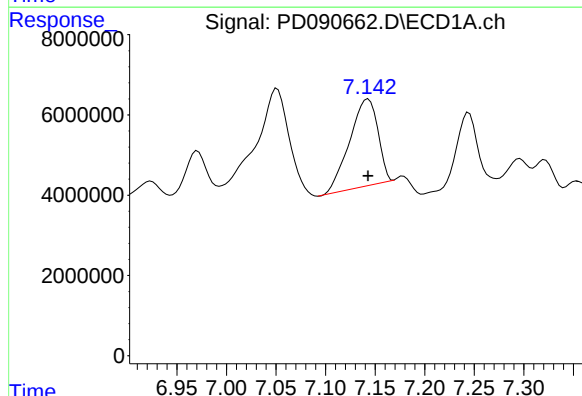
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 24310877
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



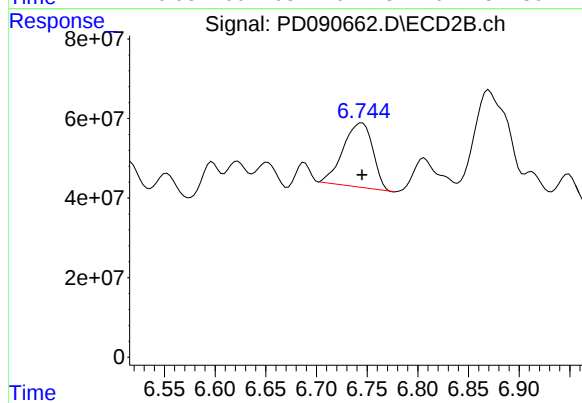
#3 Toxaphene-2

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



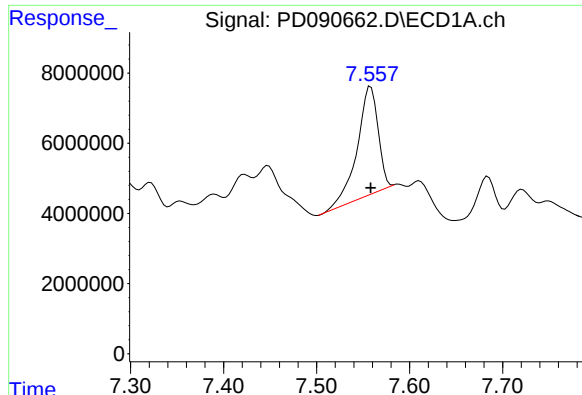
#4 Toxaphene-3

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



#4 Toxaphene-3

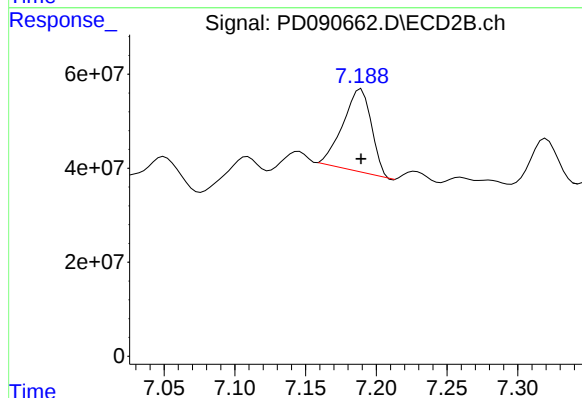
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 329441315
Conc: 500.00 ng/ml



#5 Toxaphene-4

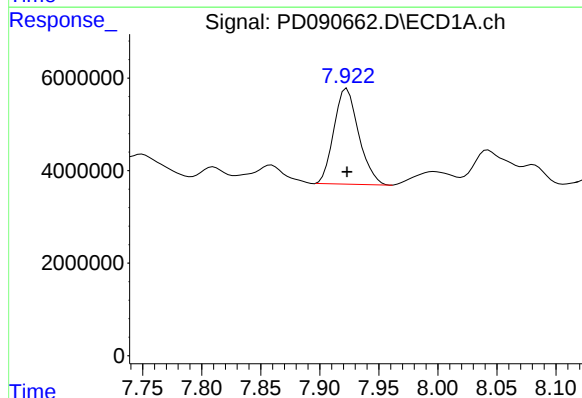
R.T.: 7.558 min
Delta R.T.: 0.000 min
Response: 47868684
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



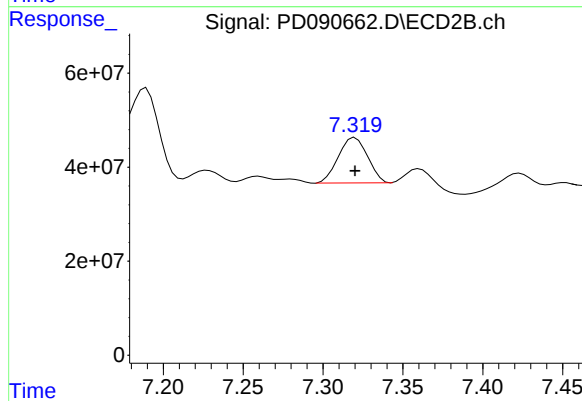
#5 Toxaphene-4

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

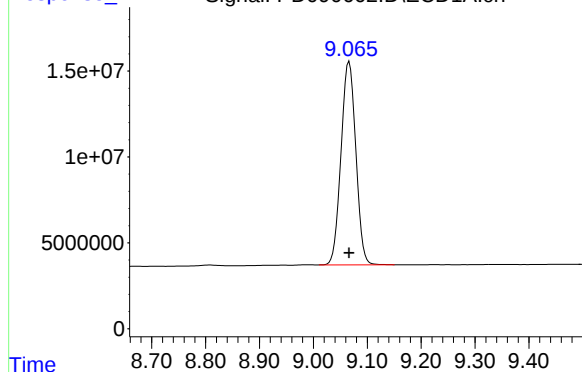
R.T.: 7.320 min
Delta R.T.: 0.000 min
Response: 123016477
Conc: 500.00 ng/ml

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

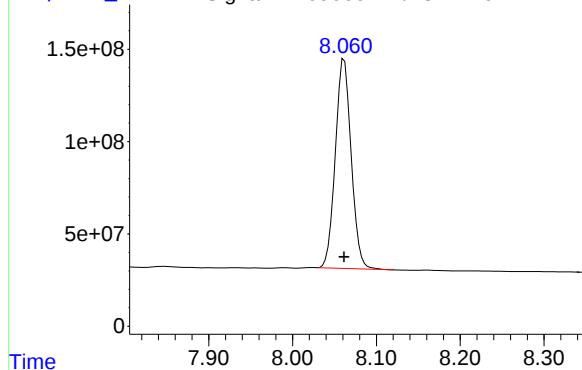
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

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

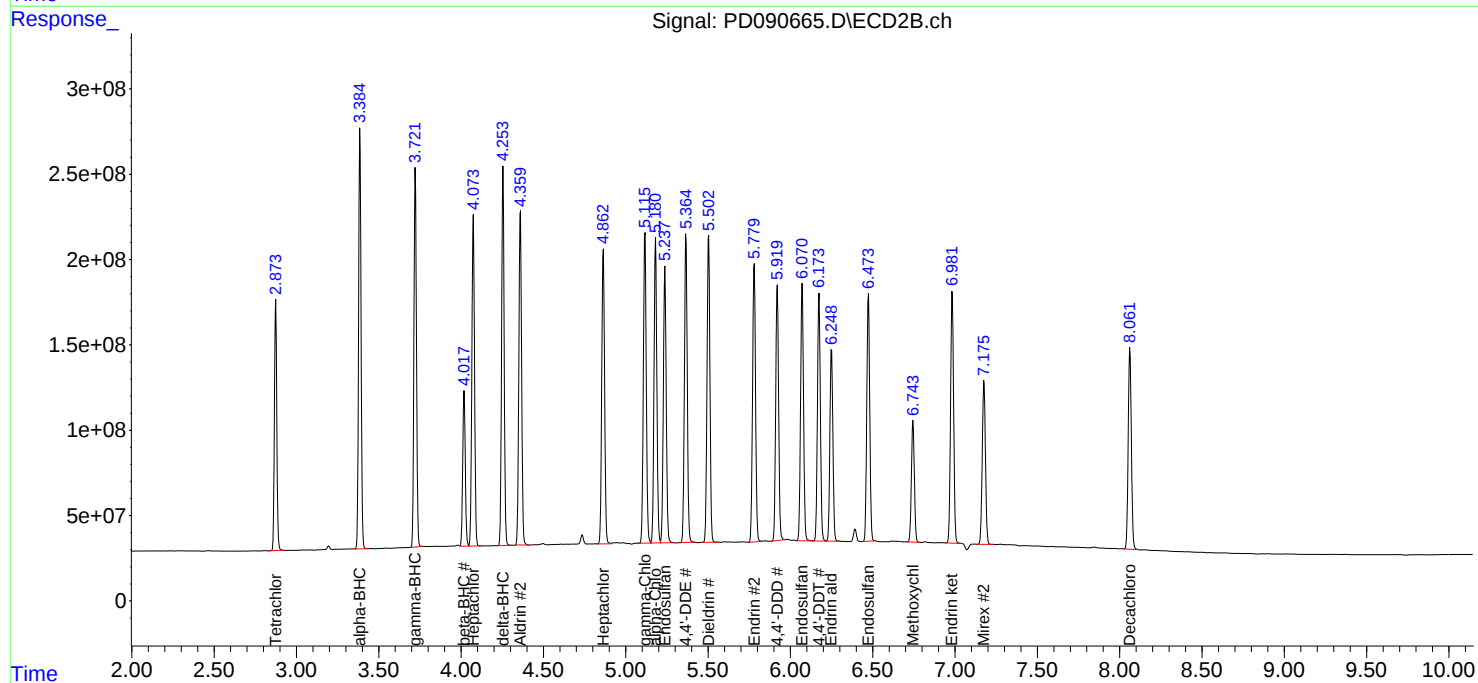
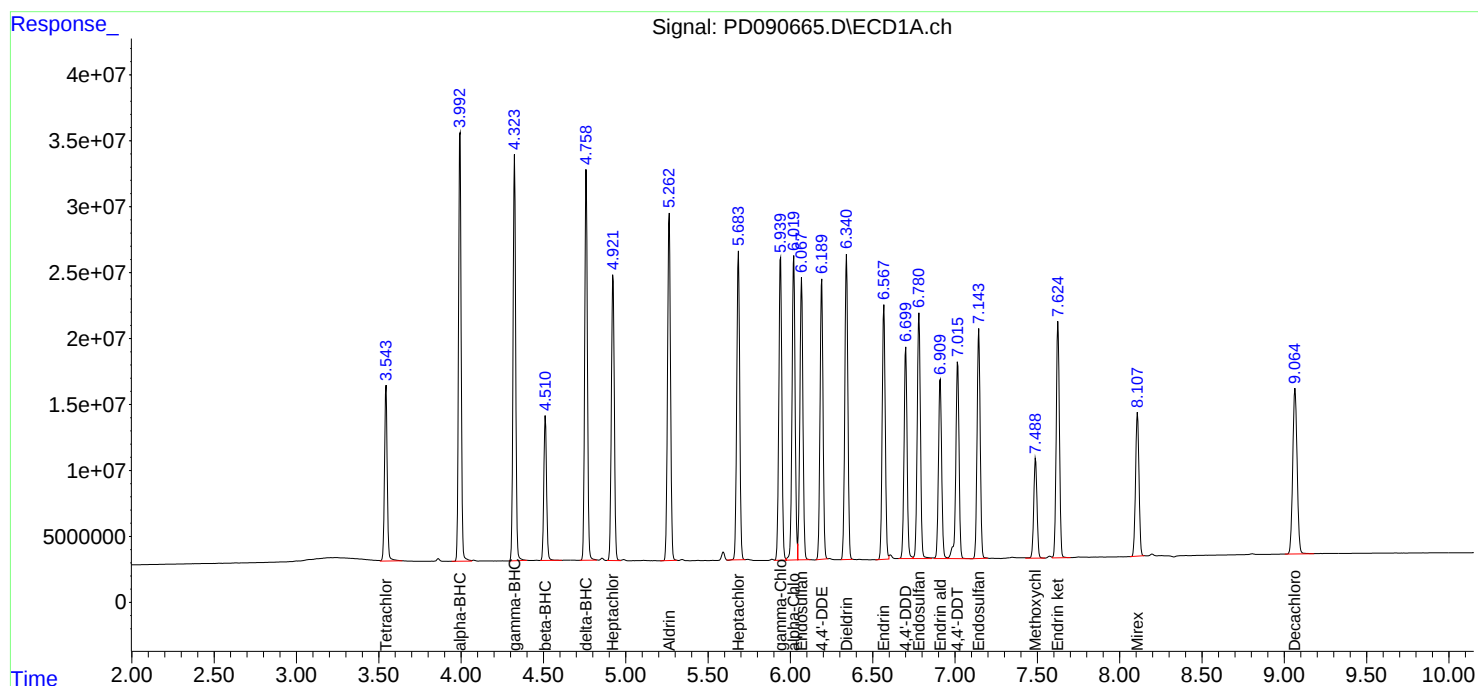
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

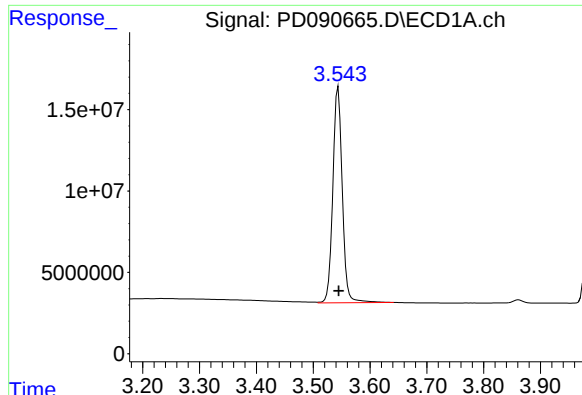
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090665.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 16:46
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

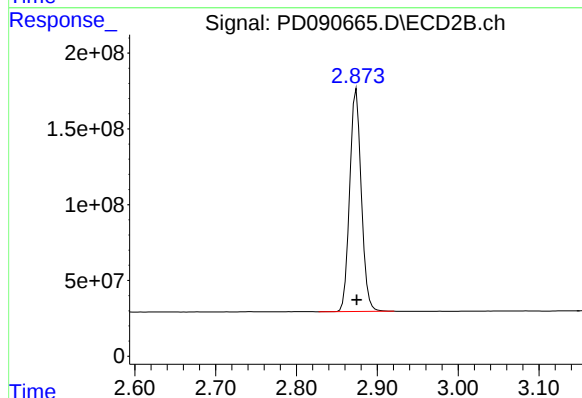




#1 Tetrachloro-m-xylene

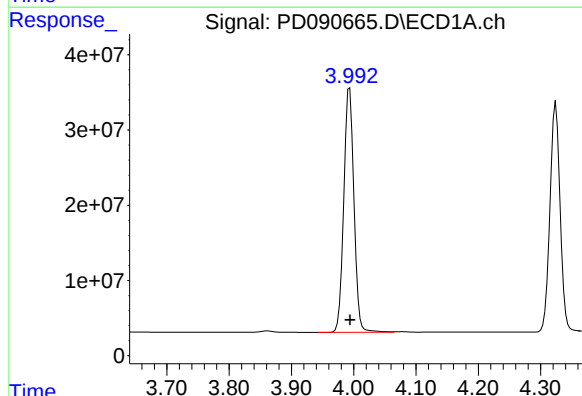
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 153674114
Conc: 49.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



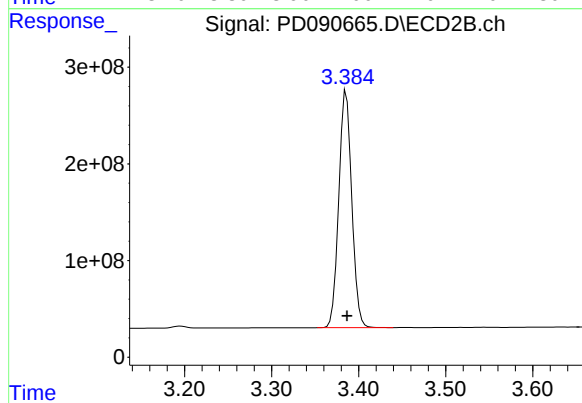
#1 Tetrachloro-m-xylene

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

Response

Signal: PD090665.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 346148511

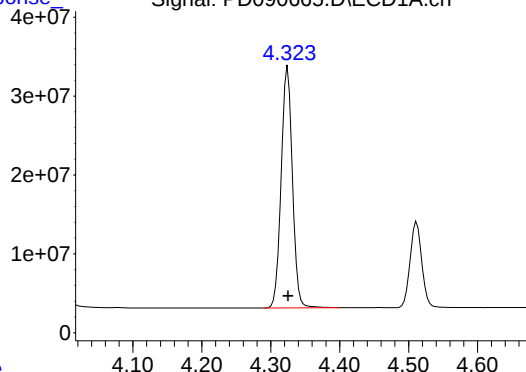
Conc: 50.91 ng/ml

Instrument :

ECD_D

ClientSampleId :

ICVPD101725



Time

Response

Signal: PD090665.D\ECD2B.ch

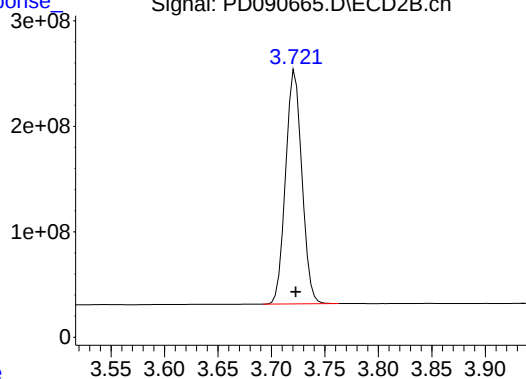
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 2351401356

Conc: 49.77 ng/ml



Time

Response

Signal: PD090665.D\ECD1A.ch

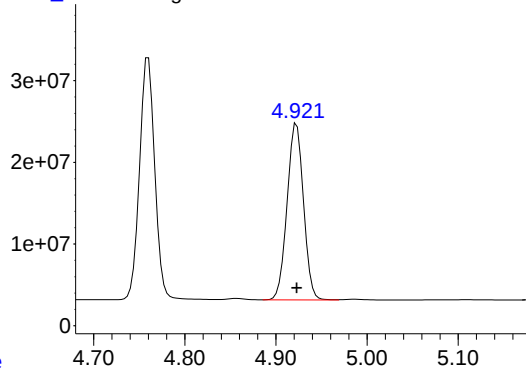
#4 Heptachlor

R.T.: 4.923 min

Delta R.T.: 0.000 min

Response: 269655012

Conc: 48.24 ng/ml



Time

Response

Signal: PD090665.D\ECD2B.ch

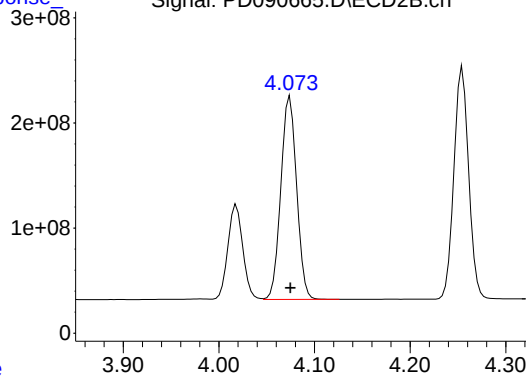
#4 Heptachlor

R.T.: 4.074 min

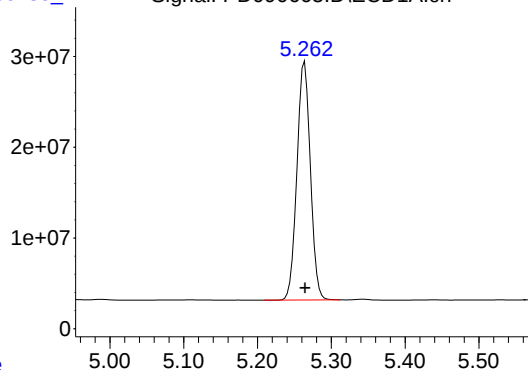
Delta R.T.: 0.000 min

Response: 2210699675

Conc: 49.56 ng/ml



Time



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

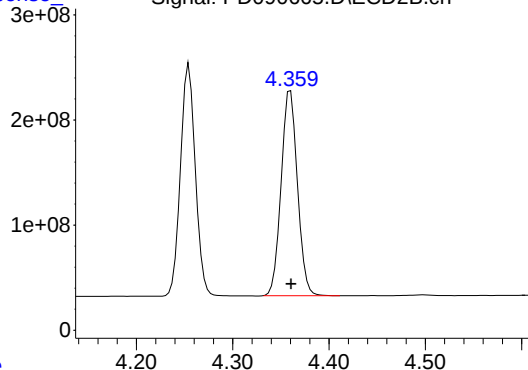
Instrument :
ECD_D
ClientSampleId :
ICVPD101725

Time

Response

Signal: PD090665.D\ECD2B.ch

#5 Aldrin



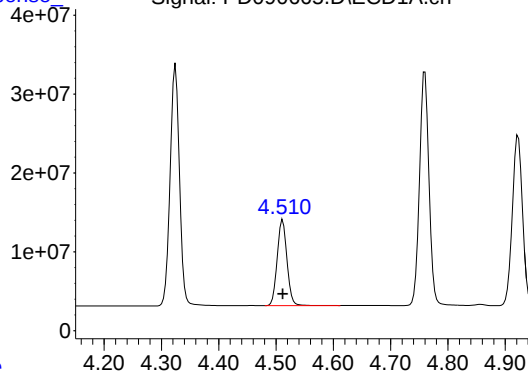
R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2302805919
Conc: 49.72 ng/ml

Time

Response

Signal: PD090665.D\ECD1A.ch

#6 beta-BHC



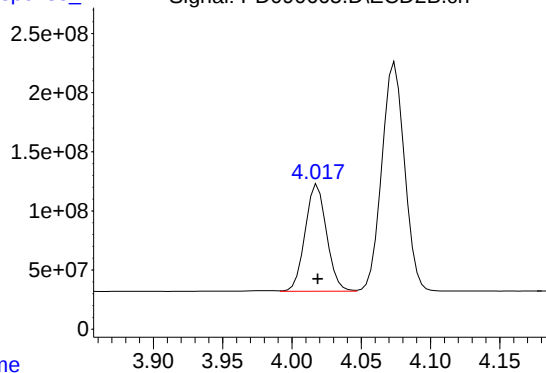
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 128796459
Conc: 49.17 ng/ml

Time

Response

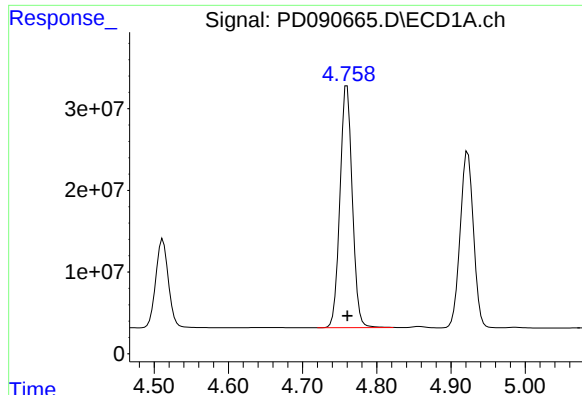
Signal: PD090665.D\ECD2B.ch

#6 beta-BHC



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

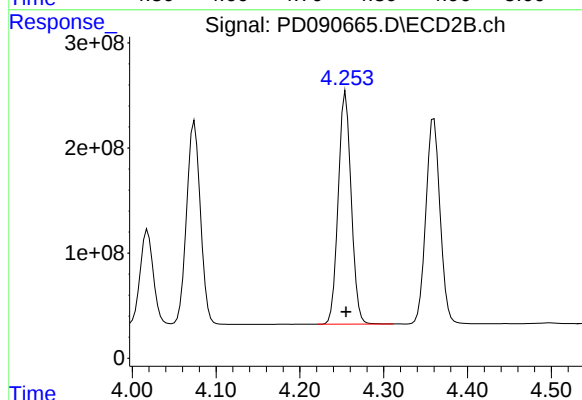
Time



#7 delta-BHC

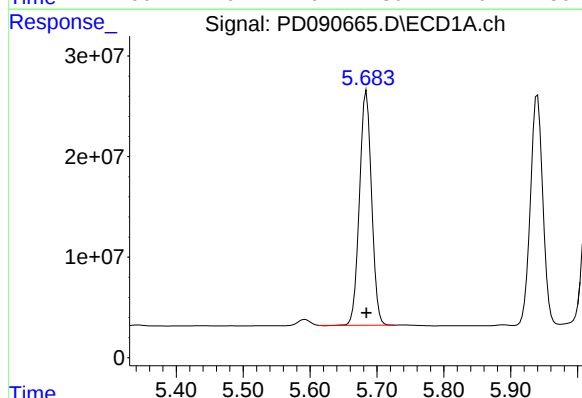
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 343712775
Conc: 50.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



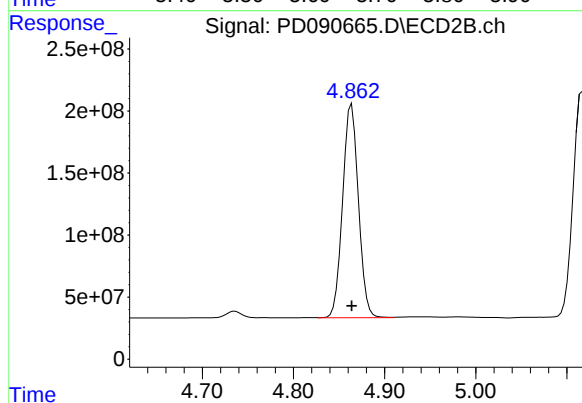
#7 delta-BHC

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



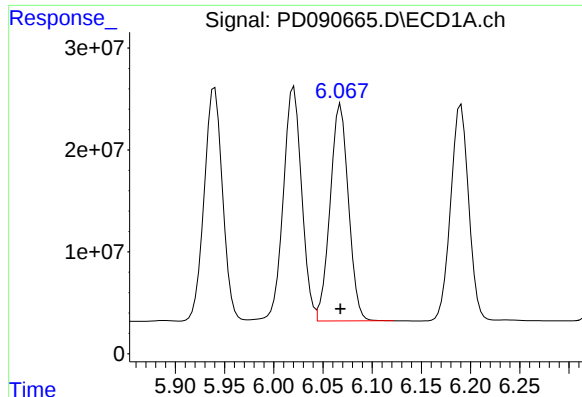
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

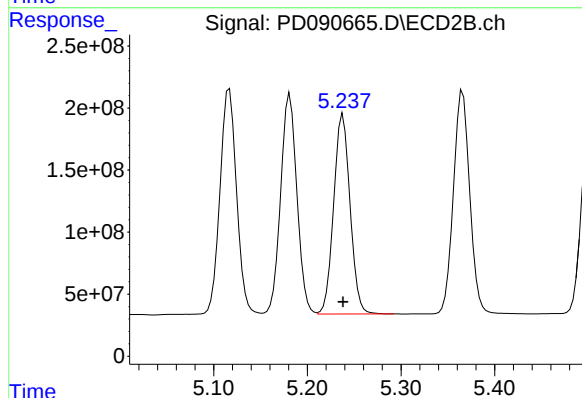
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2073663307
Conc: 48.63 ng/ml



#9 Endosulfan I

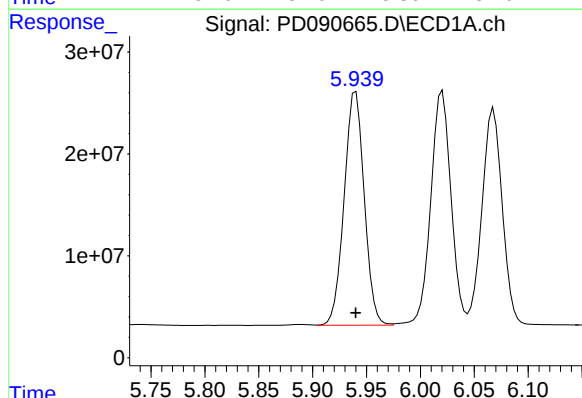
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 276731064
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



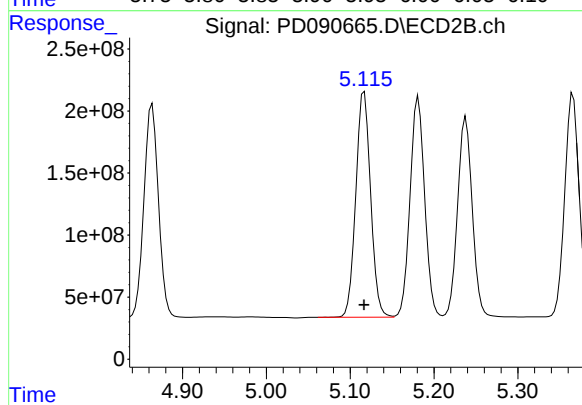
#9 Endosulfan I

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



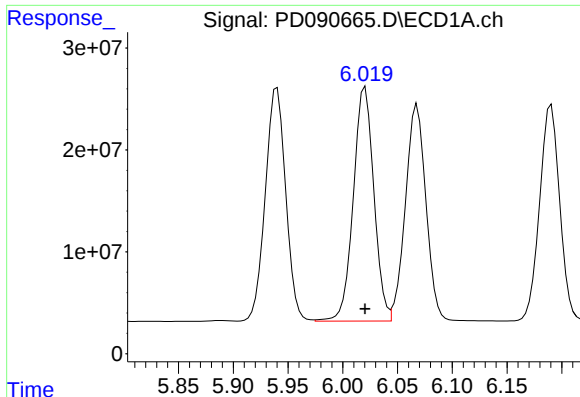
#10 gamma-Chlordane

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



#10 gamma-Chlordane

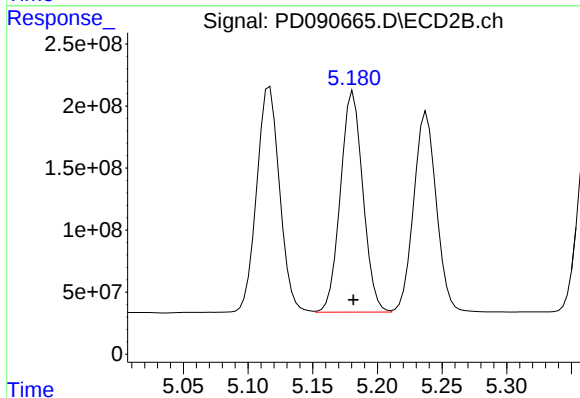
R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2235964406
Conc: 49.74 ng/ml



#11 alpha-Chlordane

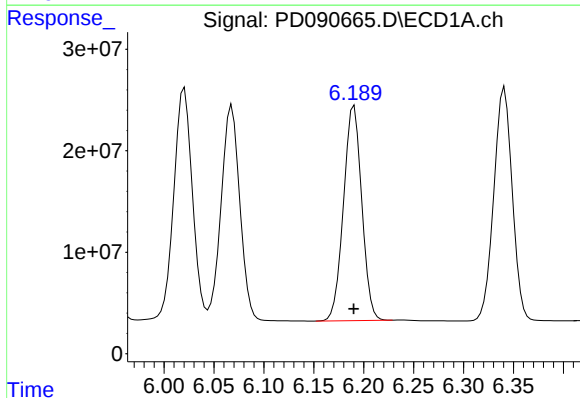
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 299573543
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



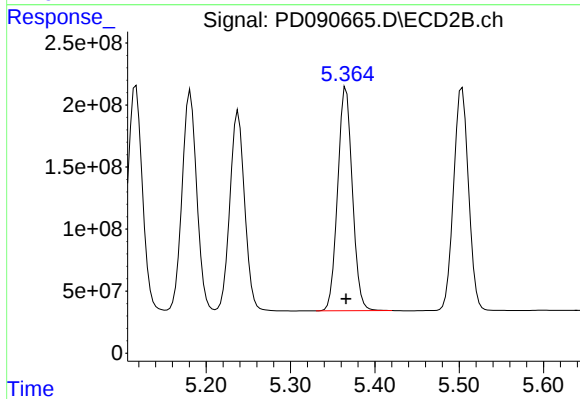
#11 alpha-Chlordane

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



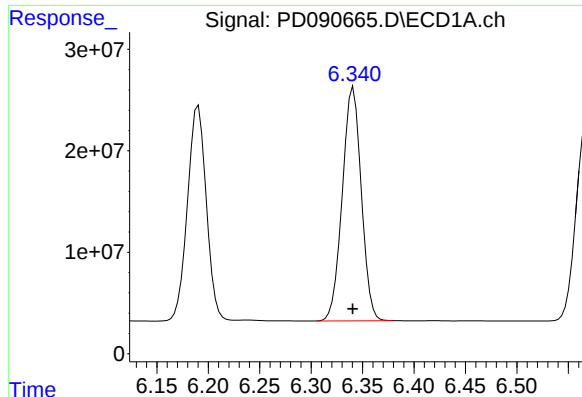
#12 4,4'-DDE

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



#12 4,4'-DDE

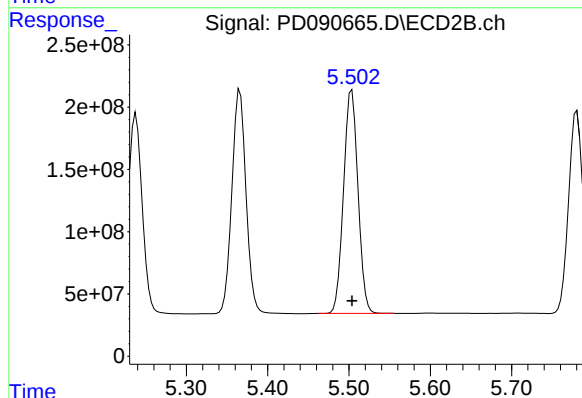
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2179474893
Conc: 49.72 ng/ml



#13 Dieldrin

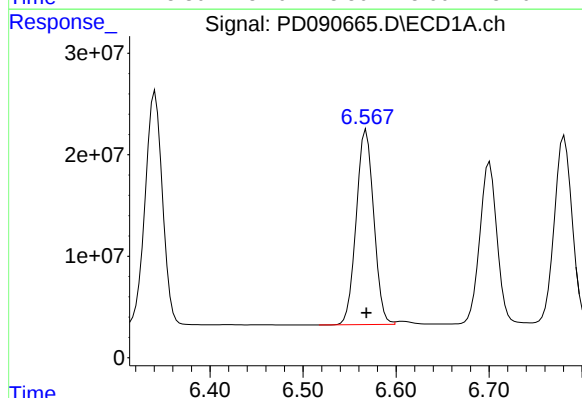
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 295678653
Conc: 50.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



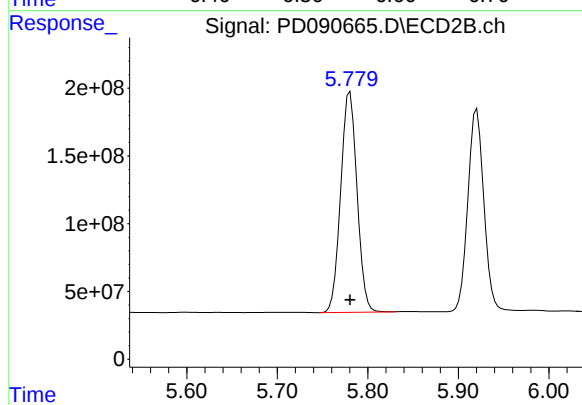
#13 Dieldrin

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



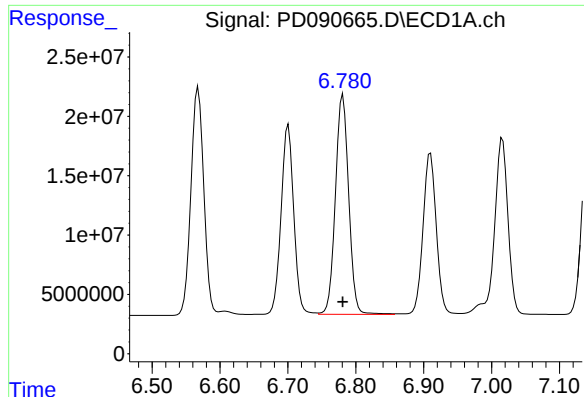
#14 Endrin

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



#14 Endrin

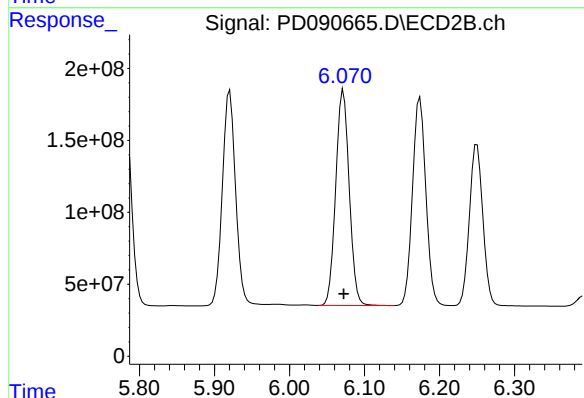
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2041761986
Conc: 50.42 ng/ml



#15 Endosulfan II

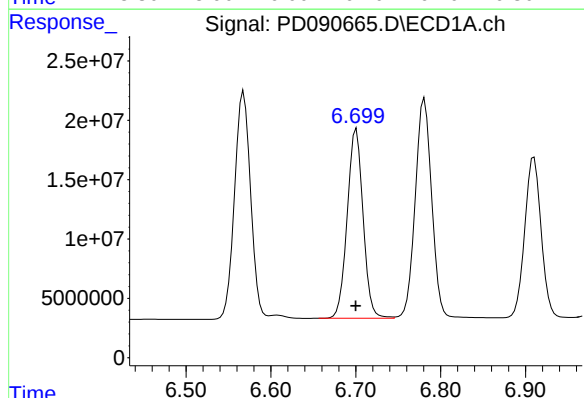
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 251374054
Conc: 50.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



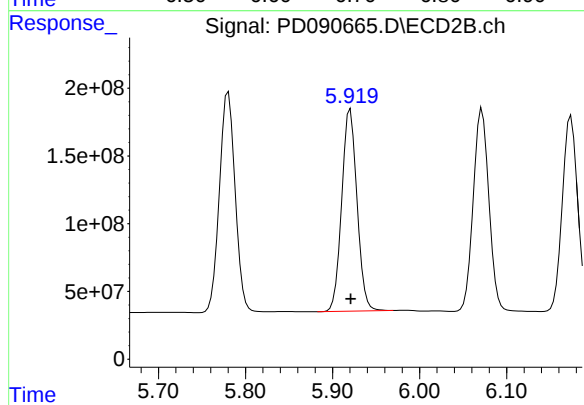
#15 Endosulfan II

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



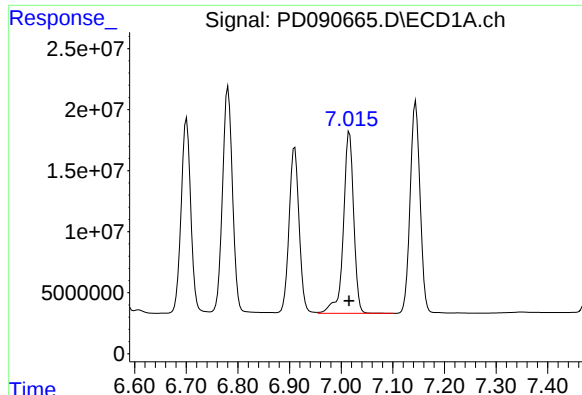
#16 4,4'-DDD

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



#16 4,4'-DDD

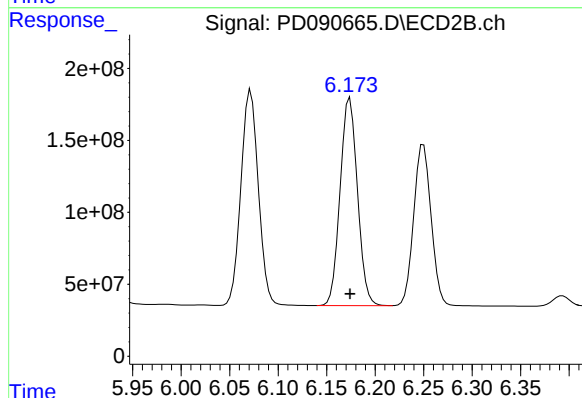
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1821049286
Conc: 49.98 ng/ml



#17 4,4'-DDT

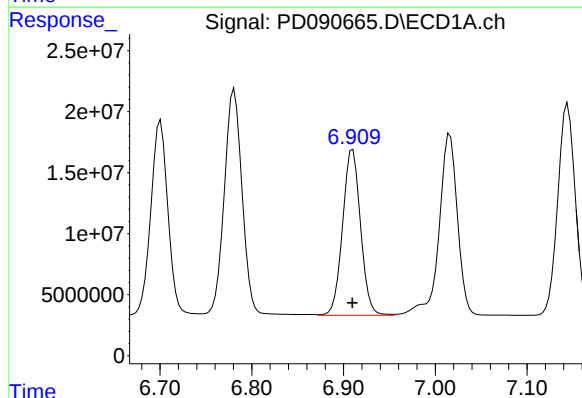
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 206839113
Conc: 50.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



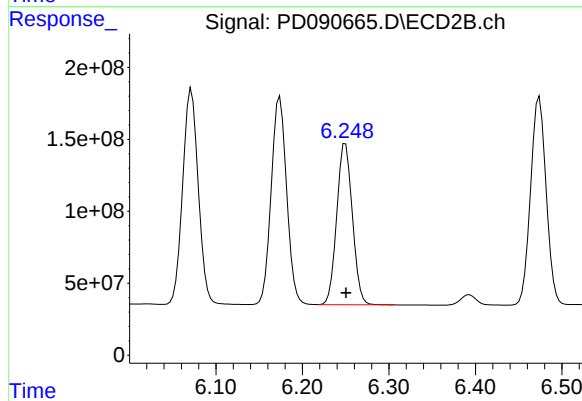
#17 4,4'-DDT

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



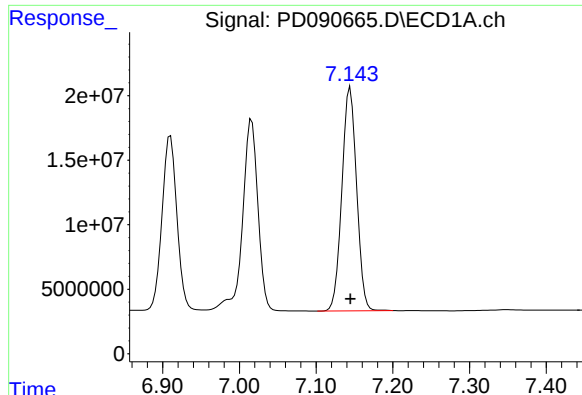
#18 Endrin aldehyde

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



#18 Endrin aldehyde

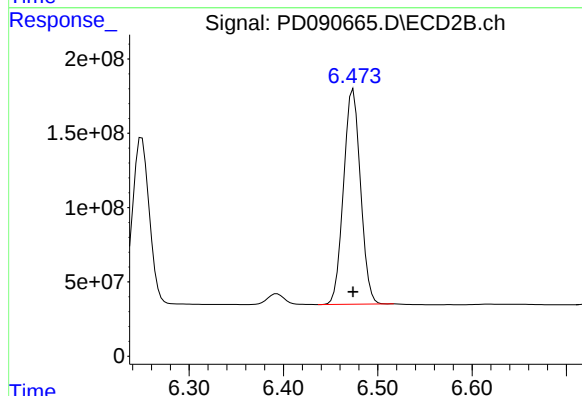
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1401255725
Conc: 50.60 ng/ml



#19 Endosulfan Sulfate

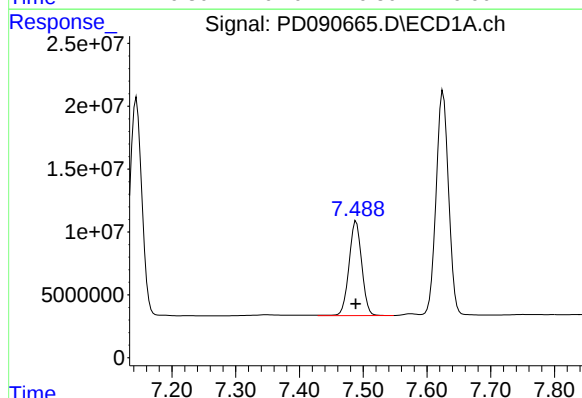
R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 231154352
Conc: 49.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



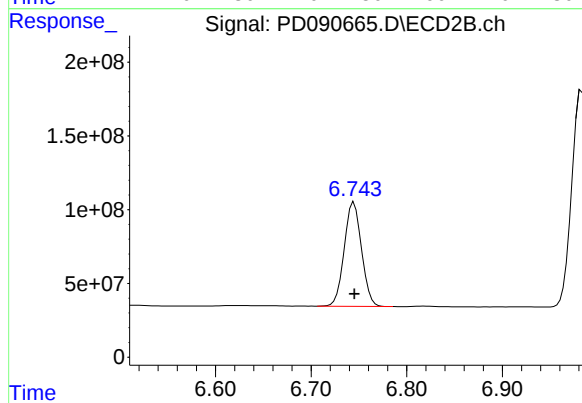
#19 Endosulfan Sulfate

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



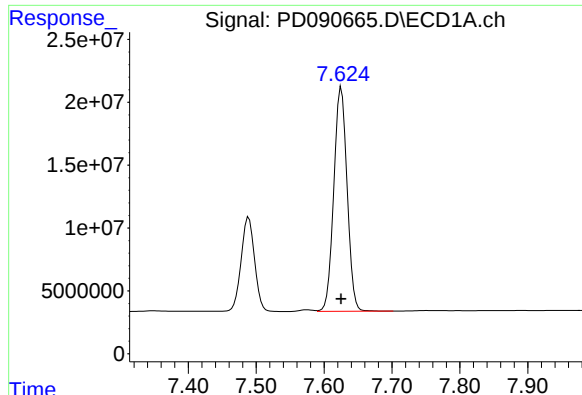
#20 Methoxychlor

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



#20 Methoxychlor

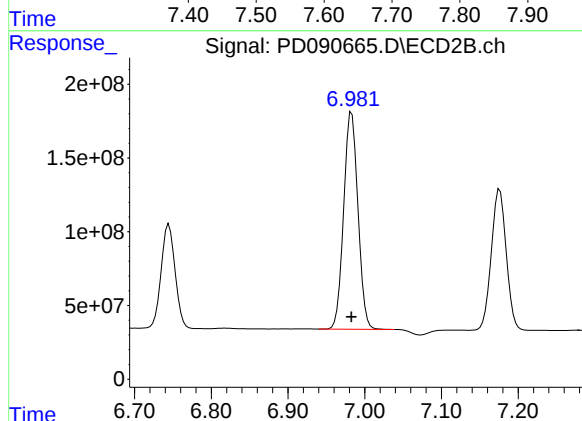
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 890144630
Conc: 51.08 ng/ml



#21 Endrin ketone

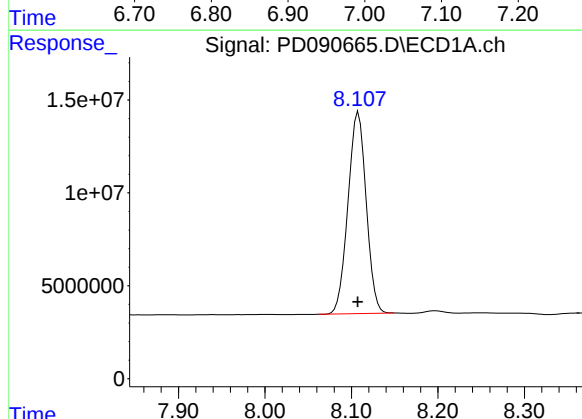
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 242853020
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD101725



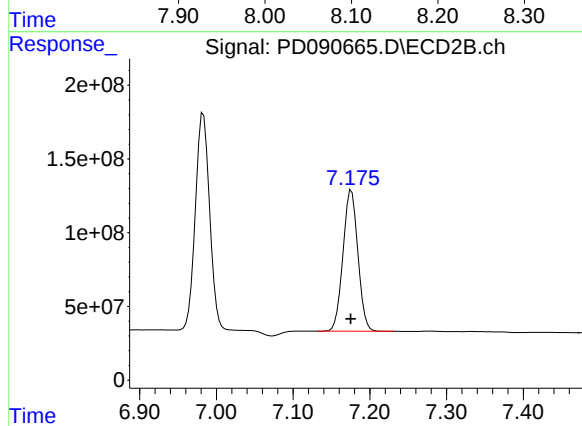
#21 Endrin ketone

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



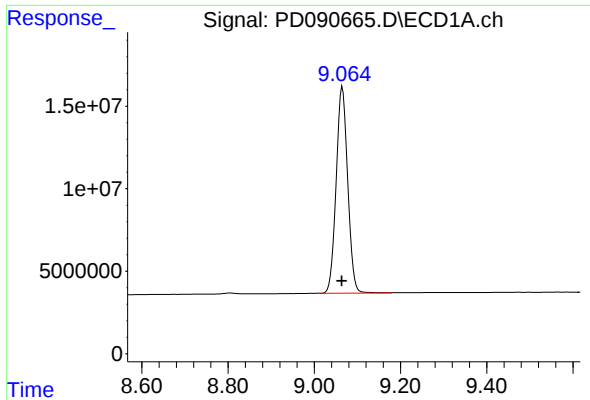
#22 Mirex

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

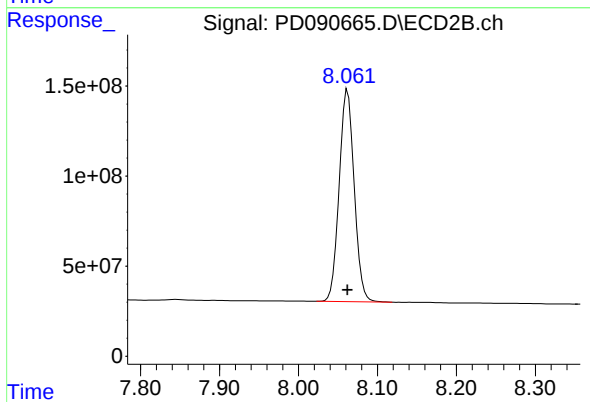


#28 Decachlorobiphenyl

ICAL Form

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.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 12:40

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	-0.02
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



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.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 12:40

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	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	5.51	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	0.00
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	6.99	6.98	6.88	7.08	-0.01
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.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090724.D **Time Analyzed:** 12:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.600	6.800	51.480	50.000	3.0
4,4'-DDE	6.198	6.090	6.290	48.110	50.000	-3.8
4,4'-DDT	7.024	6.915	7.115	52.120	50.000	4.2
Aldrin	5.272	5.164	5.364	49.580	50.000	-0.8
alpha-BHC	4.001	3.894	4.094	50.170	50.000	0.3
alpha-Chlordane	6.028	5.921	6.121	47.110	50.000	-5.8
beta-BHC	4.519	4.412	4.612	48.510	50.000	-3.0
Decachlorobiphenyl	9.076	8.964	9.164	44.960	50.000	-10.1
delta-BHC	4.768	4.660	4.860	49.430	50.000	-1.1
Dieldrin	6.349	6.240	6.440	49.490	50.000	-1.0
Endosulfan I	6.076	5.968	6.168	48.920	50.000	-2.2
Endosulfan II	6.788	6.681	6.881	50.200	50.000	0.4
Endosulfan sulfate	7.153	7.045	7.245	48.310	50.000	-3.4
Endrin	6.576	6.468	6.668	49.620	50.000	-0.8
Endrin aldehyde	6.918	6.810	7.010	50.080	50.000	0.2
Endrin ketone	7.633	7.525	7.725	49.100	50.000	-1.8
gamma-BHC (Lindane)	4.332	4.225	4.425	49.690	50.000	-0.6
gamma-Chlordane	5.948	5.840	6.040	49.260	50.000	-1.5
Heptachlor	4.930	4.823	5.023	57.640	50.000	15.3
Heptachlor epoxide	5.692	5.584	5.784	48.930	50.000	-2.1
Methoxychlor	7.496	7.388	7.588	50.060	50.000	0.1
Tetrachloro-m-xylene	3.551	3.445	3.645	47.040	50.000	-5.9



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.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090724.D **Time Analyzed:** 12:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.922	5.821	6.021	49.020	50.000	-2.0
4,4'-DDE	5.367	5.266	5.466	49.070	50.000	-1.9
4,4'-DDT	6.175	6.074	6.274	51.890	50.000	3.8
Aldrin	4.360	4.261	4.461	48.680	50.000	-2.6
alpha-BHC	3.385	3.287	3.487	48.530	50.000	-2.9
alpha-Chlordane	5.182	5.081	5.281	48.800	50.000	-2.4
beta-BHC	4.019	3.919	4.119	48.120	50.000	-3.8
Decachlorobiphenyl	8.064	7.962	8.162	49.110	50.000	-1.8
delta-BHC	4.255	4.155	4.355	48.560	50.000	-2.9
Dieldrin	5.505	5.404	5.604	49.350	50.000	-1.3
Endosulfan I	5.239	5.138	5.338	47.220	50.000	-5.6
Endosulfan II	6.073	5.972	6.172	49.320	50.000	-1.4
Endosulfan sulfate	6.475	6.374	6.574	49.710	50.000	-0.6
Endrin	5.781	5.681	5.881	49.540	50.000	-0.9
Endrin aldehyde	6.251	6.150	6.350	49.960	50.000	-0.1
Endrin ketone	6.985	6.883	7.083	50.710	50.000	1.4
gamma-BHC (Lindane)	3.722	3.623	3.823	48.590	50.000	-2.8
gamma-Chlordane	5.117	5.017	5.217	49.020	50.000	-2.0
Heptachlor	4.074	3.975	4.175	48.870	50.000	-2.3
Heptachlor epoxide	4.864	4.764	4.964	47.740	50.000	-4.5
Methoxychlor	6.747	6.645	6.845	51.200	50.000	2.4
Tetrachloro-m-xylene	2.873	2.775	2.975	47.850	50.000	-4.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090724.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 12:40
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:09:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.873	146.5E6	1425.0E6	47.044	47.854
28)	SA Decachlor...	9.076	8.064	210.3E6	1487.8E6	44.964	49.115
Target Compounds							
2)	A alpha-BHC	4.001	3.385	360.1E6	2479.8E6	50.170	48.533
3)	MA gamma-BHC...	4.332	3.722	337.8E6	2295.8E6	49.692	48.589
4)	MA Heptachlor	4.930	4.074	322.2E6	2179.8E6	57.644	48.871
5)	MB Aldrin	5.272	4.360	324.6E6	2255.0E6	49.580	48.684
6)	B beta-BHC	4.519	4.017	127.1E6	941.2E6	48.505	47.465m
7)	B delta-BHC	4.768	4.255	334.2E6	2317.0E6	49.427	48.557
8)	B Heptachlo...	5.691	4.864	285.4E6	2035.4E6	49.292m	47.736
9)	A Endosulfan I	6.076	5.239	270.8E6	1860.2E6	48.916	47.224
10)	B gamma-Chl...	5.948	5.117	292.2E6	2203.3E6	49.262	49.017
11)	B alpha-Chl...	6.028	5.182	291.1E6	2105.0E6	47.106	48.798
12)	B 4,4'-DDE	6.198	5.367	256.3E6	2151.1E6	48.112	49.070
13)	MA Dieldrin	6.349	5.505	288.6E6	2180.5E6	49.487	49.350
14)	MA Endrin	6.576	5.781	245.8E6	2006.0E6	49.616	49.537
15)	B Endosulfa...	6.788	6.073	251.0E6	1852.1E6	50.203	49.315
16)	A 4,4'-DDD	6.708	5.922	208.7E6	1786.2E6	51.478	49.020
17)	MA 4,4'-DDT	7.024	6.175	214.3E6	1819.9E6	52.124	51.889
18)	B Endrin al...	6.918	6.251	183.4E6	1383.7E6	50.082	49.965
19)	B Endosulfa...	7.153	6.475	224.1E6	1782.0E6	48.312	49.715
20)	A Methoxychlor	7.496	6.747	106.4E6	892.3E6	50.061	51.198
21)	B Endrin ke...	7.633	6.985	238.6E6	1912.7E6	49.102	50.711
22)	Mirex	8.116	7.177	153.7E6	1290.2E6	48.033	50.219

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090724.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 12:40
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

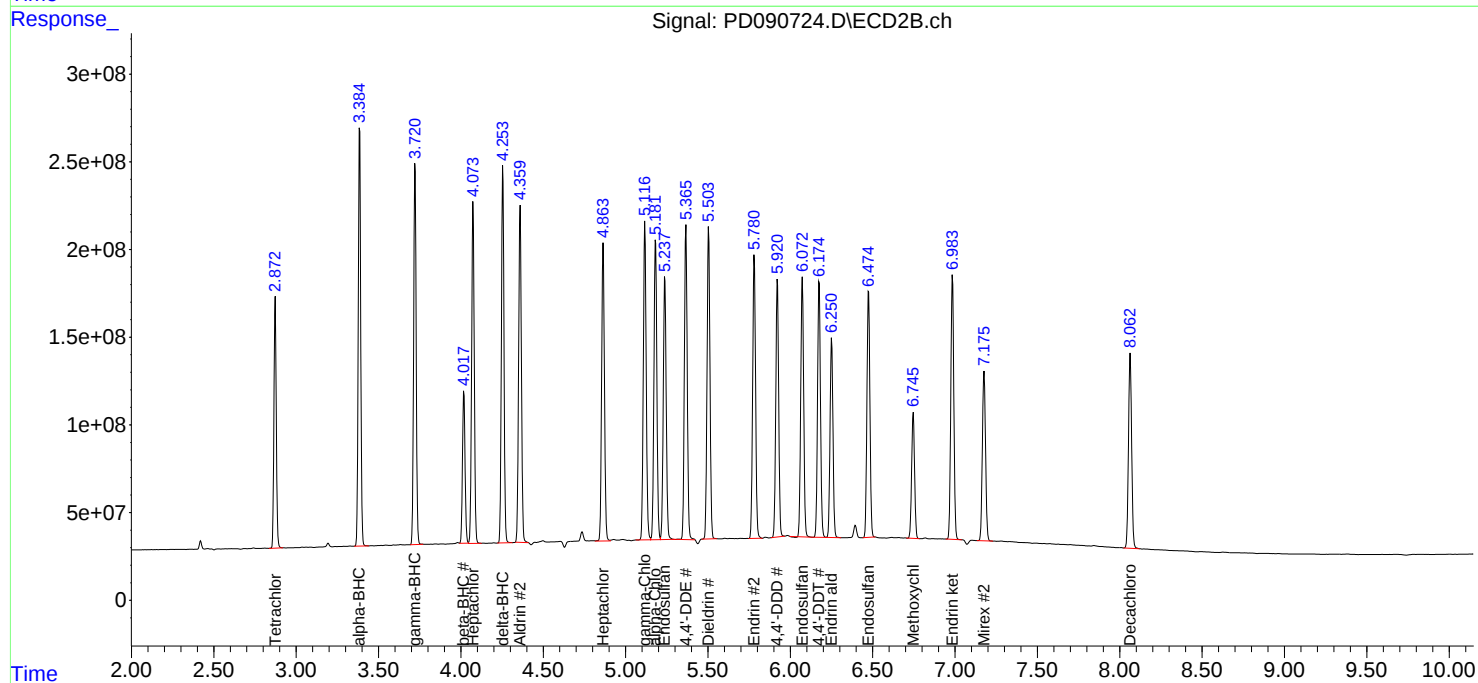
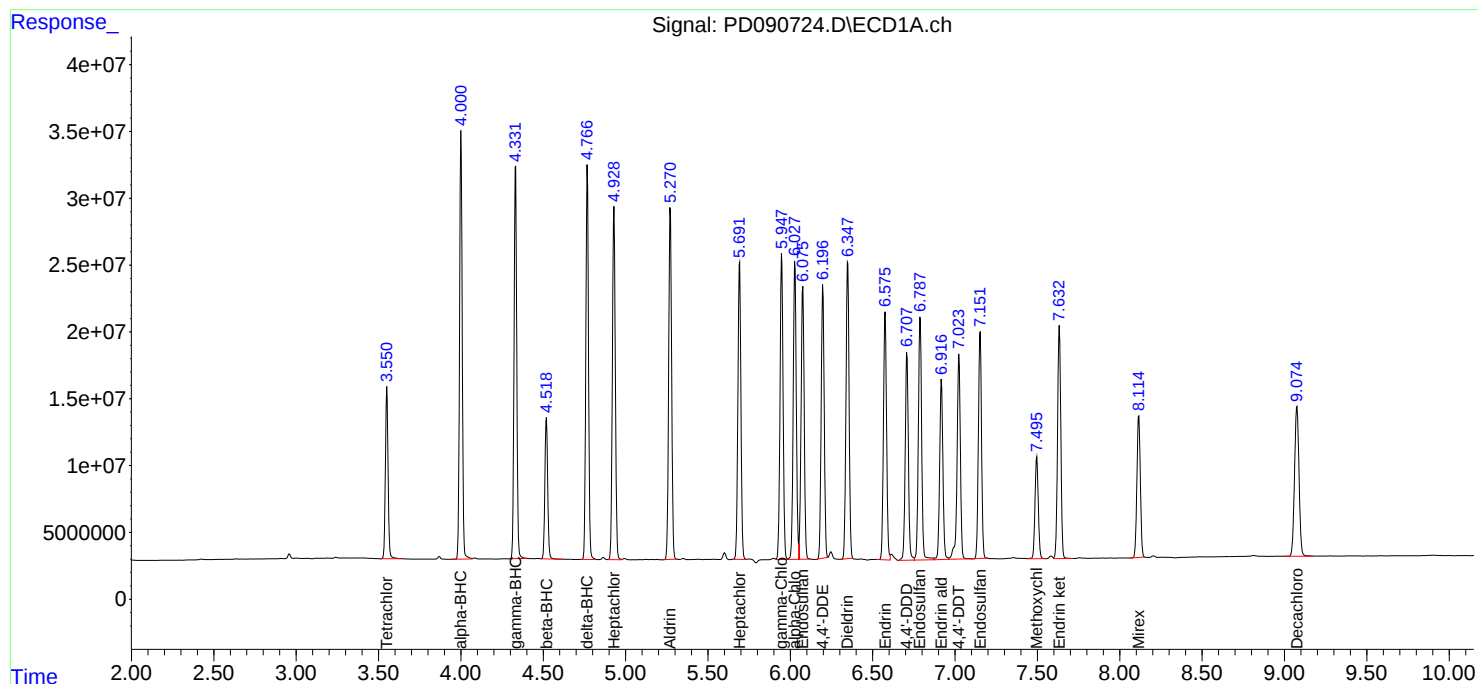
APPROVED

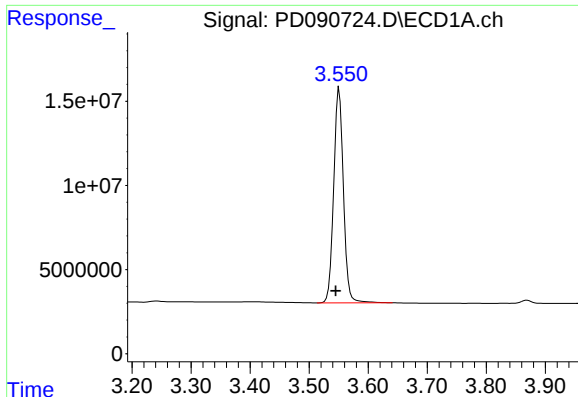
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:09:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.006 min
Response: 146501367
Conc: 47.04 ng/ml

Instrument :

ECD_D

ClientSampleId :

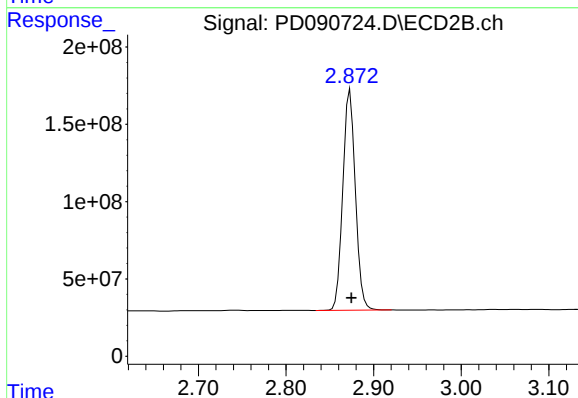
PSTDCCC050

Manual Integrations

APPROVED

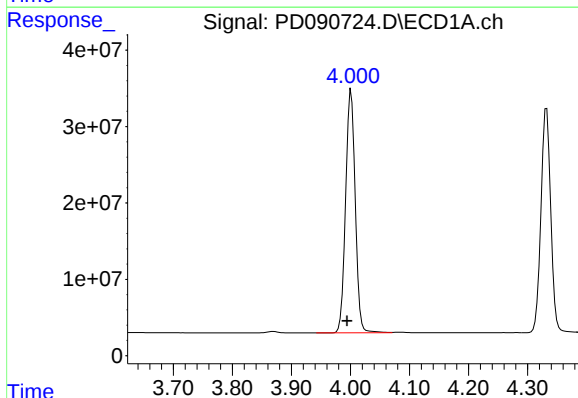
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



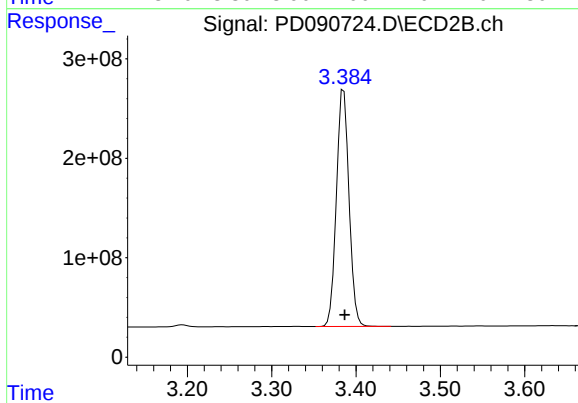
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 1424968709
Conc: 47.85 ng/ml



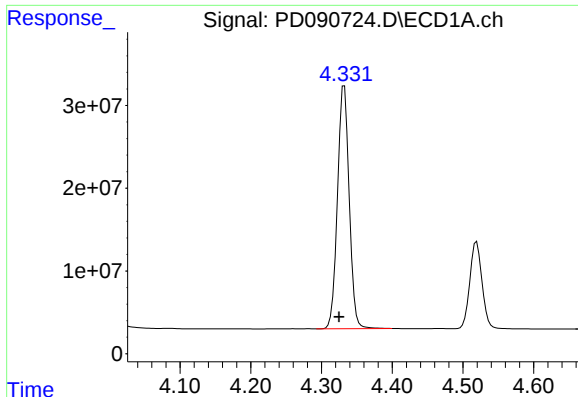
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.007 min
Response: 360075053
Conc: 50.17 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2479834497
Conc: 48.53 ng/ml



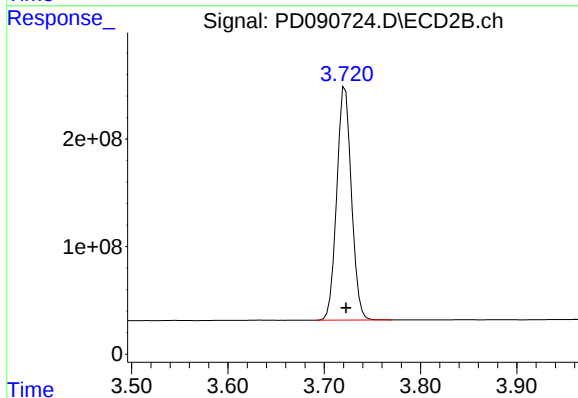
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.007 min
Response: 337849558
Conc: 49.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

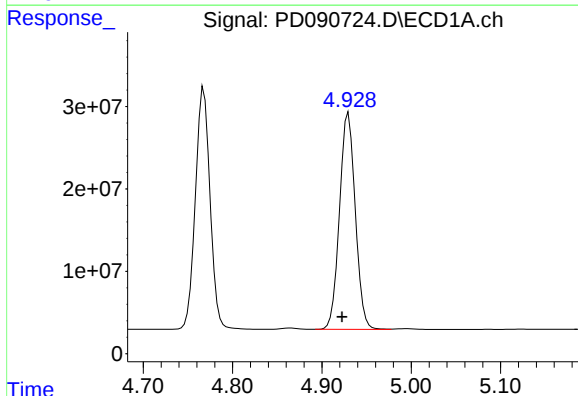
Manual Integrations
APPROVED

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



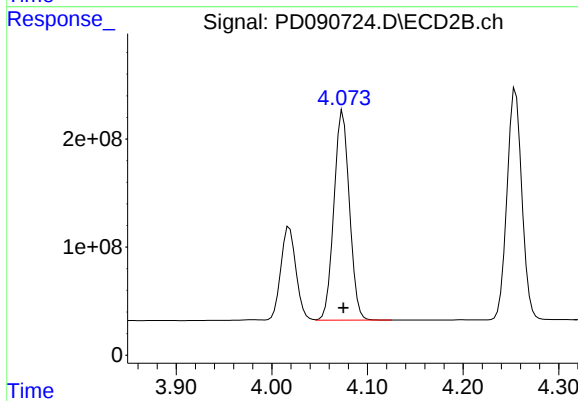
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2295769140
Conc: 48.59 ng/ml



#4 Heptachlor

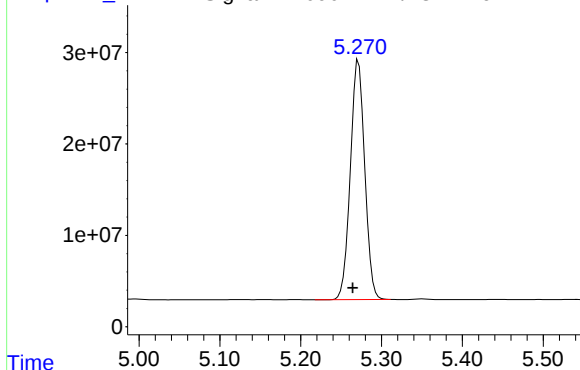
R.T.: 4.930 min
Delta R.T.: 0.007 min
Response: 322204232
Conc: 57.64 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2179767752
Conc: 48.87 ng/ml

Response_ Signal: PD090724.D\ECD1A.ch



#5 Aldrin

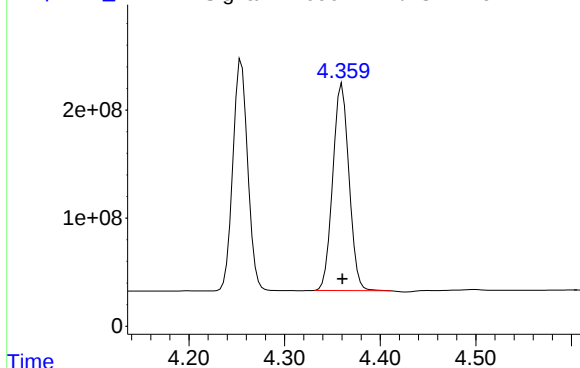
R.T.: 5.272 min
Delta R.T.: 0.007 min
Response: 324615349
Conc: 49.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

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

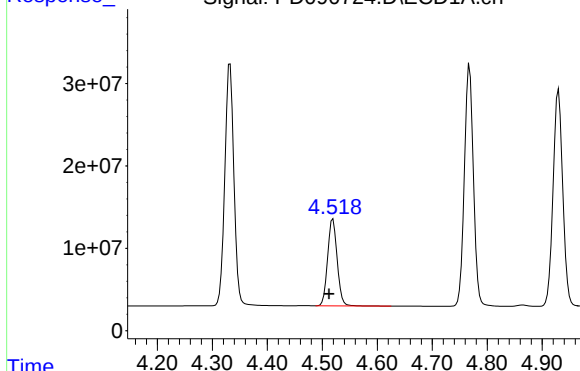
Response_ Signal: PD090724.D\ECD2B.ch



#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2254996921
Conc: 48.68 ng/ml

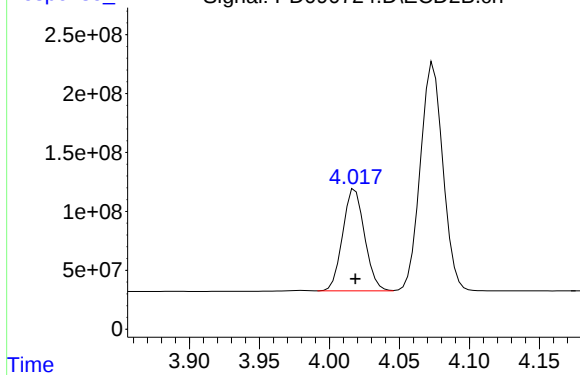
Response_ Signal: PD090724.D\ECD1A.ch



#6 beta-BHC

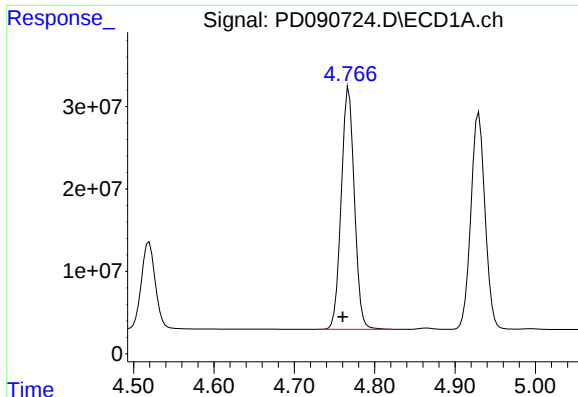
R.T.: 4.519 min
Delta R.T.: 0.007 min
Response: 127066160
Conc: 48.51 ng/ml

Response_ Signal: PD090724.D\ECD2B.ch



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 941209923
Conc: 47.47 ng/ml m



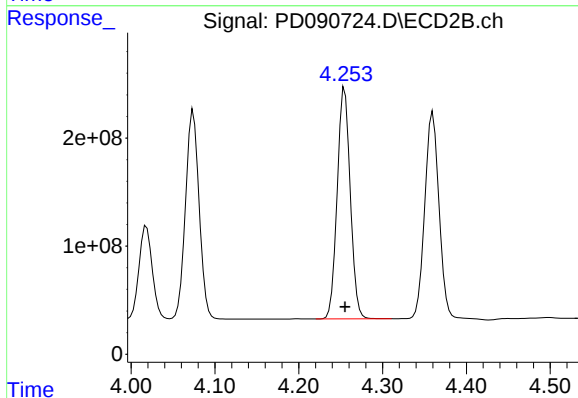
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.008 min
Response: 334214917
Conc: 49.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

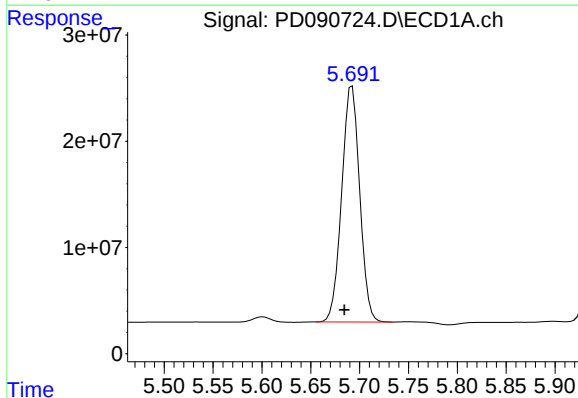
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



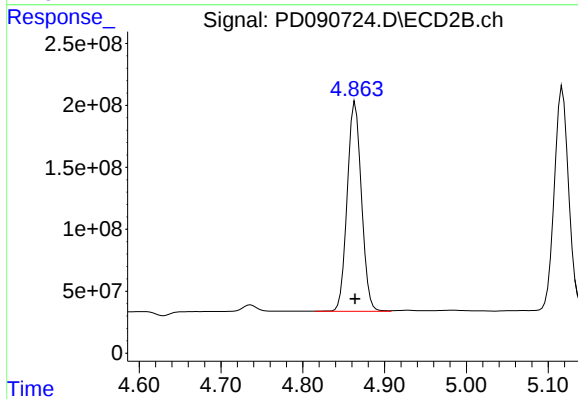
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2316995740
Conc: 48.56 ng/ml



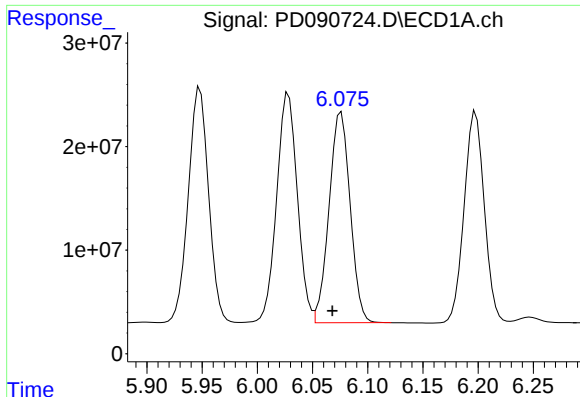
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.007 min
Response: 285353934
Conc: 49.29 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2035409025
Conc: 47.74 ng/ml



#9 Endosulfan I

R.T.: 6.076 min
 Delta R.T.: 0.008 min
 Response: 270829277
 Conc: 48.92 ng/ml

Instrument :

ECD_D

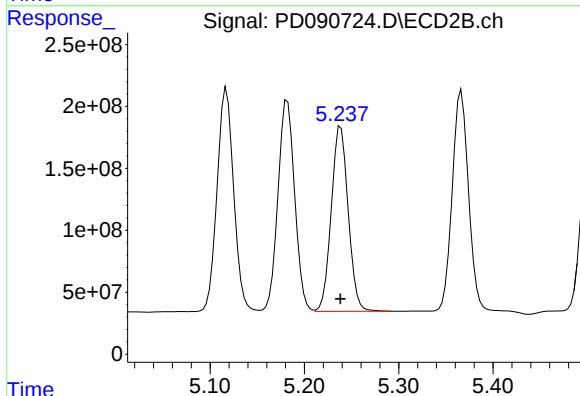
ClientSampleId :

PSTDCCC050

Manual Integrations

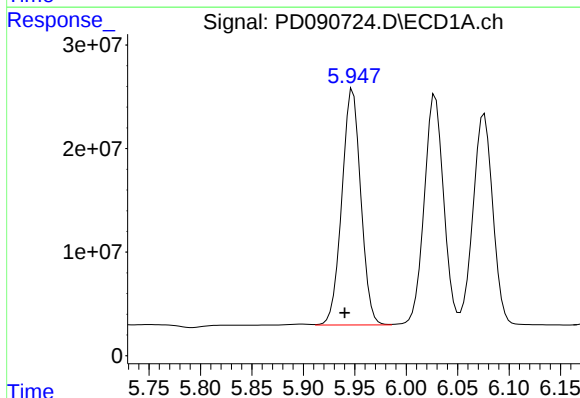
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 Supervised By :mohammad ahmed 10/28/2025



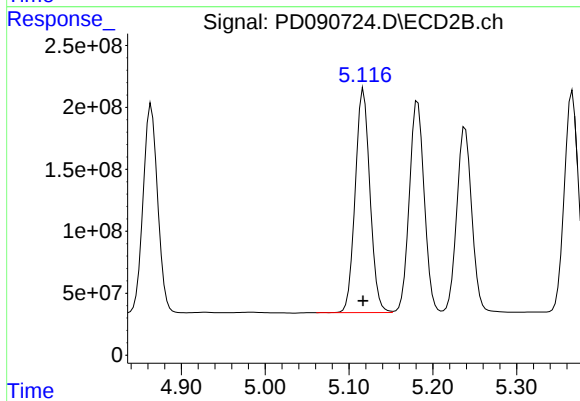
#9 Endosulfan I

R.T.: 5.239 min
 Delta R.T.: 0.000 min
 Response: 1860171236
 Conc: 47.22 ng/ml



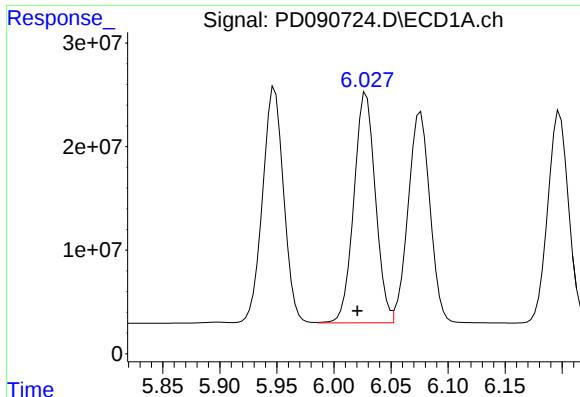
#10 gamma-Chlordane

R.T.: 5.948 min
 Delta R.T.: 0.008 min
 Response: 292184113
 Conc: 49.26 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
 Delta R.T.: 0.000 min
 Response: 2203271922
 Conc: 49.02 ng/ml



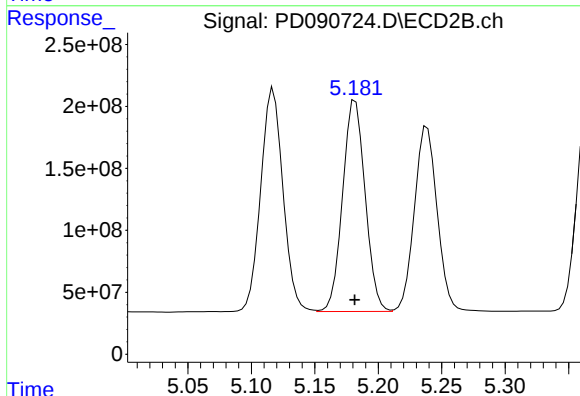
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.008 min
Response: 291129742
Conc: 47.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

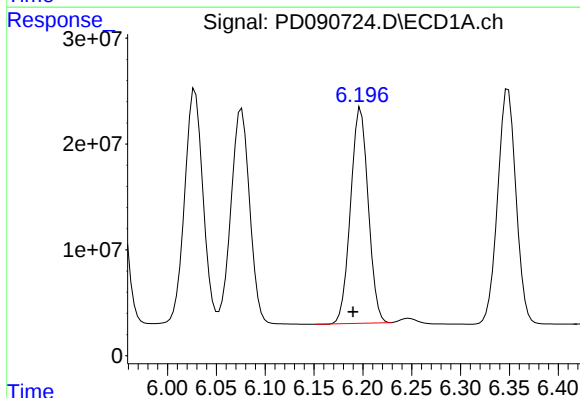
Manual Integrations
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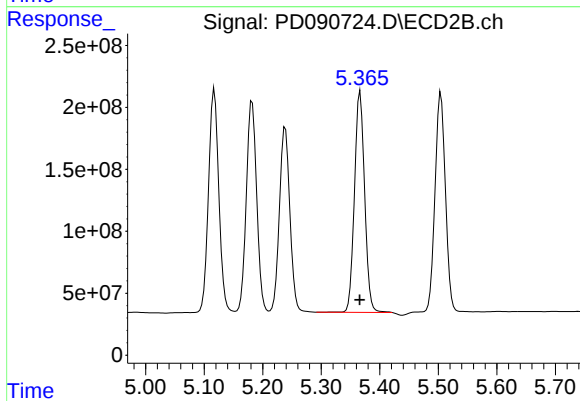
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 2105049065
Conc: 48.80 ng/ml



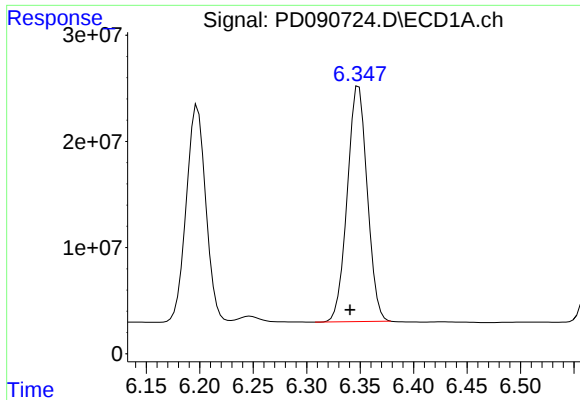
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.008 min
Response: 256275618
Conc: 48.11 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: 0.000 min
Response: 2151144256
Conc: 49.07 ng/ml



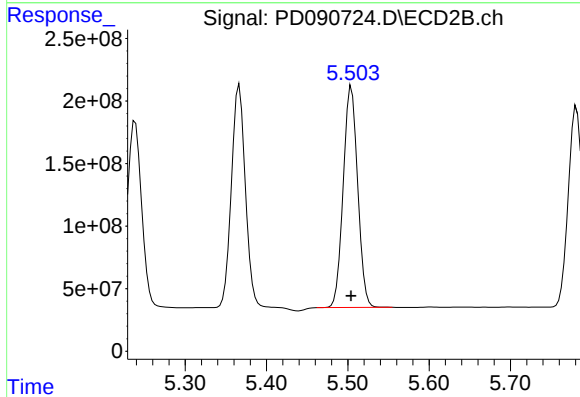
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.008 min
Response: 288574227
Conc: 49.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

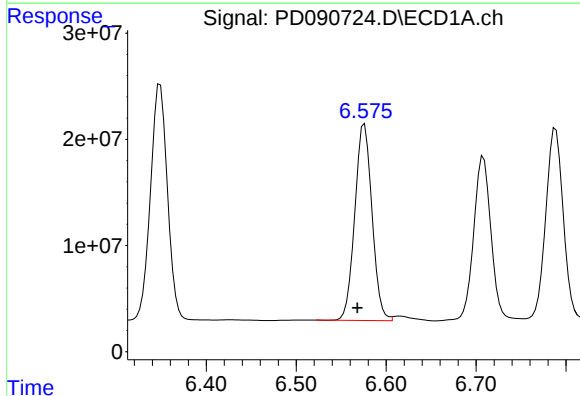
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



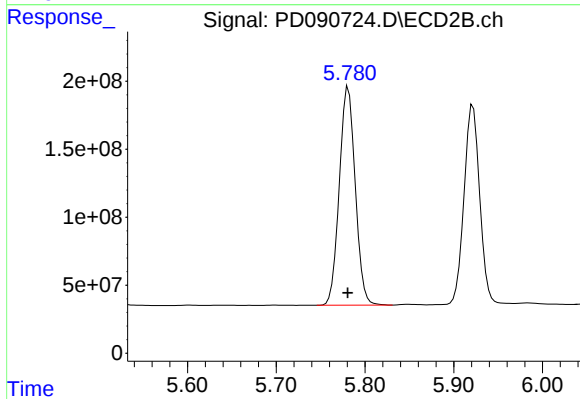
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 2180479961
Conc: 49.35 ng/ml



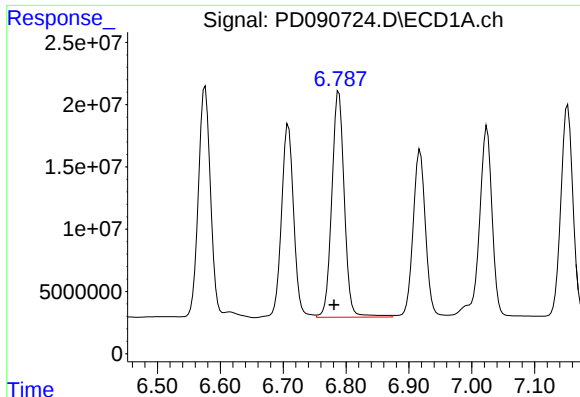
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.008 min
Response: 245782695
Conc: 49.62 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 2005954729
Conc: 49.54 ng/ml



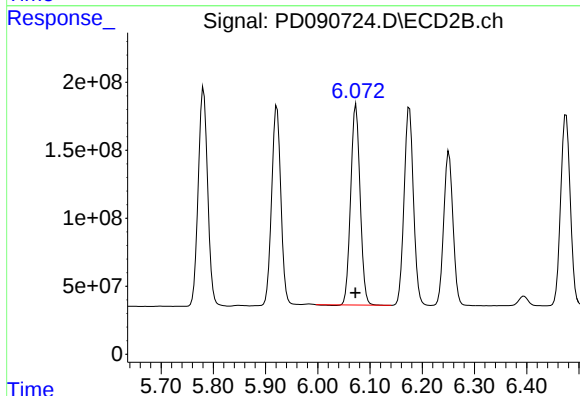
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.008 min
Response: 251012291
Conc: 50.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

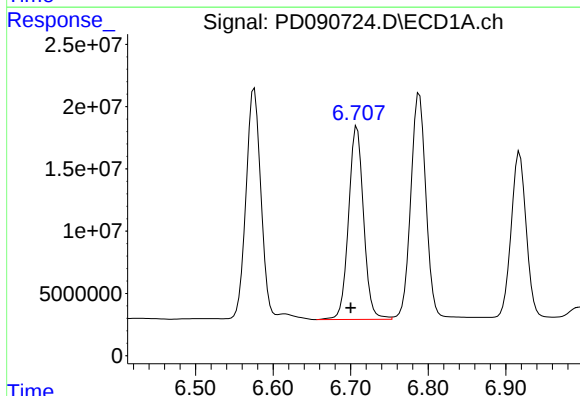
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



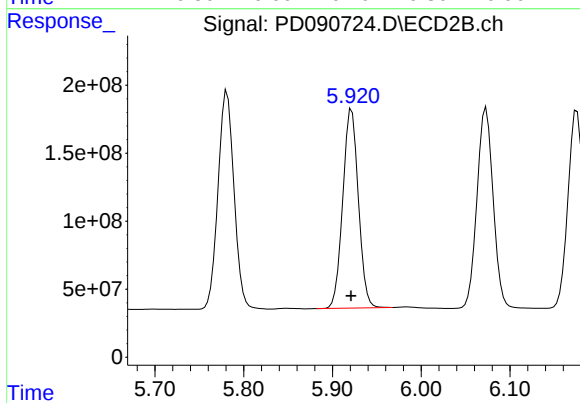
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.001 min
Response: 1852062192
Conc: 49.32 ng/ml



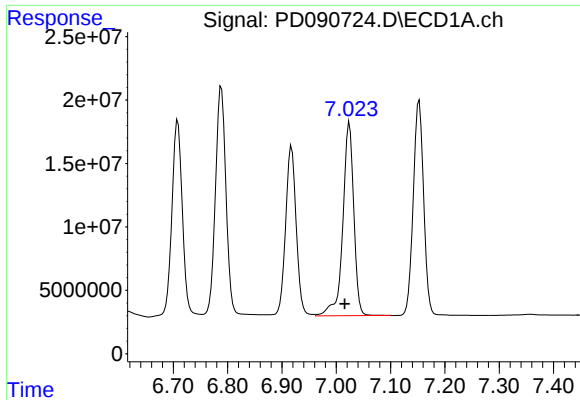
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.008 min
Response: 208704673
Conc: 51.48 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1786197074
Conc: 49.02 ng/ml



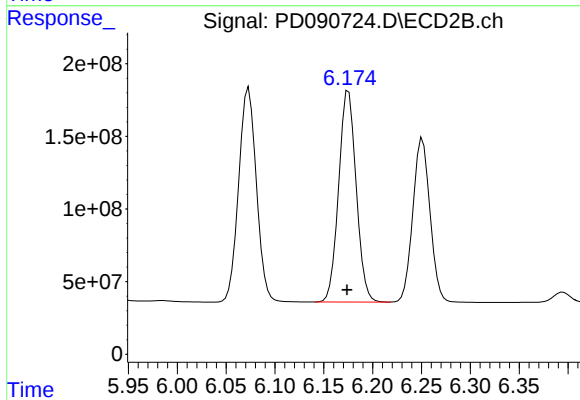
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.009 min
Response: 214255709
Conc: 52.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

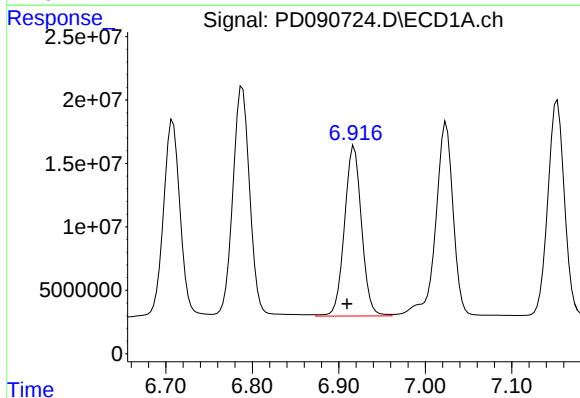
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



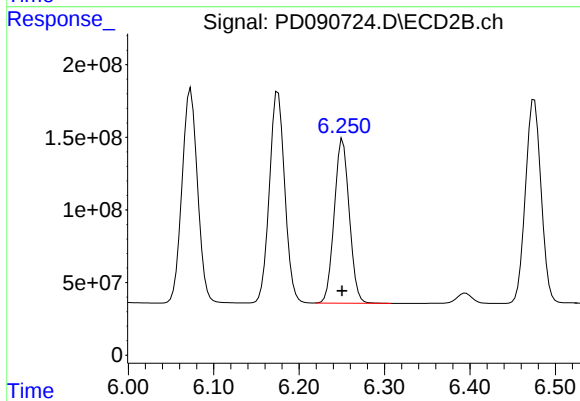
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.001 min
Response: 1819901768
Conc: 51.89 ng/ml



#18 Endrin aldehyde

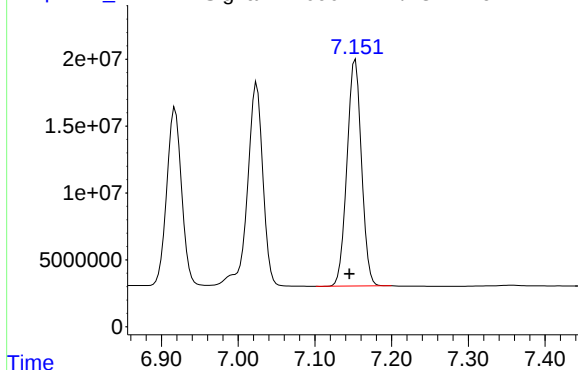
R.T.: 6.918 min
Delta R.T.: 0.008 min
Response: 183436836
Conc: 50.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1383660186
Conc: 49.96 ng/ml

Response_ Signal: PD090724.D\ECD1A.ch



#19 Endosulfan Sulfate

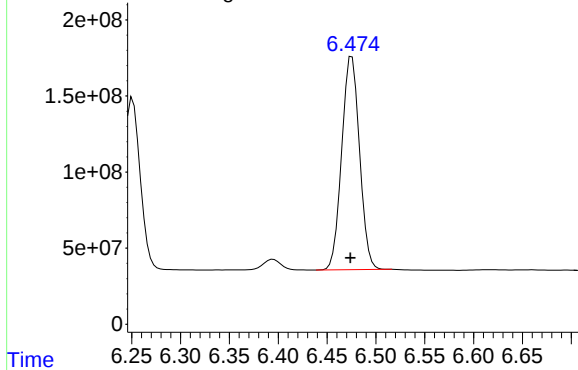
R.T.: 7.153 min
Delta R.T.: 0.008 min
Response: 224081980
Conc: 48.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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

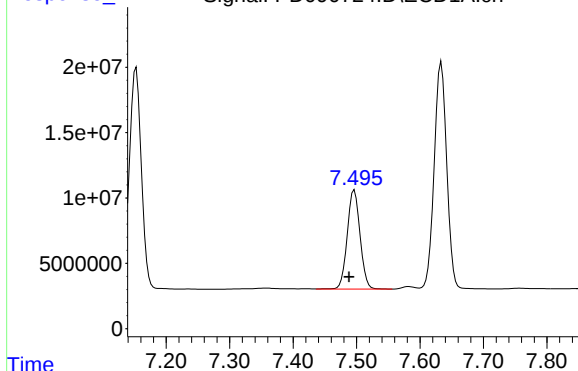
Response_ Signal: PD090724.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.002 min
Response: 1782034998
Conc: 49.71 ng/ml

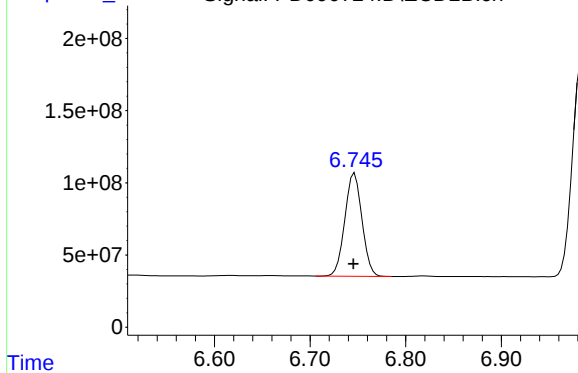
Response_ Signal: PD090724.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.008 min
Response: 106409436
Conc: 50.06 ng/ml

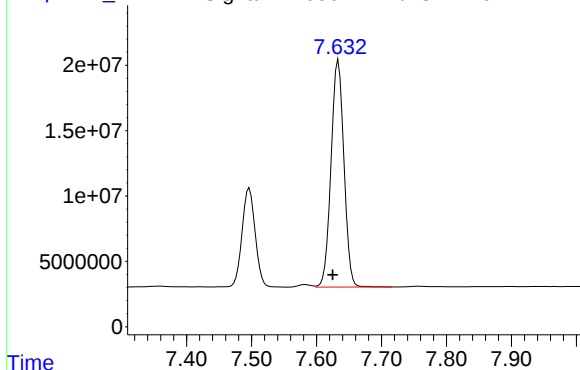
Response_ Signal: PD090724.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 892261916
Conc: 51.20 ng/ml

Response_ Signal: PD090724.D\ECD1A.ch



#21 Endrin ketone

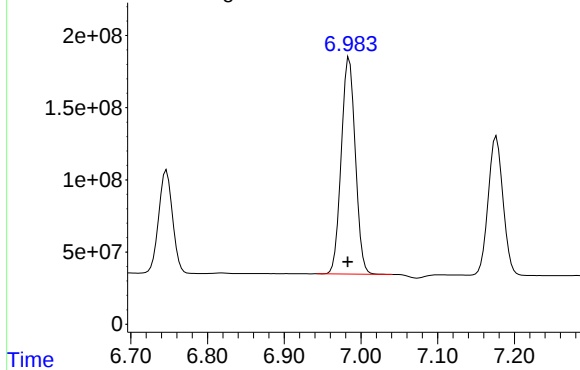
R.T.: 7.633 min
Delta R.T.: 0.009 min
Response: 238577994
Conc: 49.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
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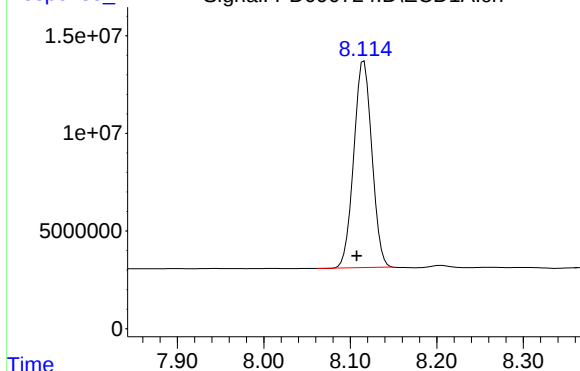
Response_ Signal: PD090724.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.002 min
Response: 1912724040
Conc: 50.71 ng/ml

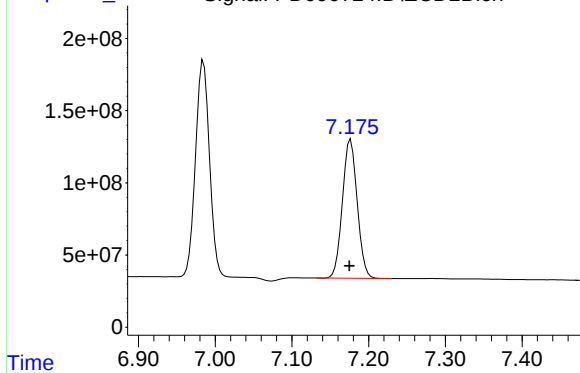
Response_ Signal: PD090724.D\ECD1A.ch



#22 Mirex

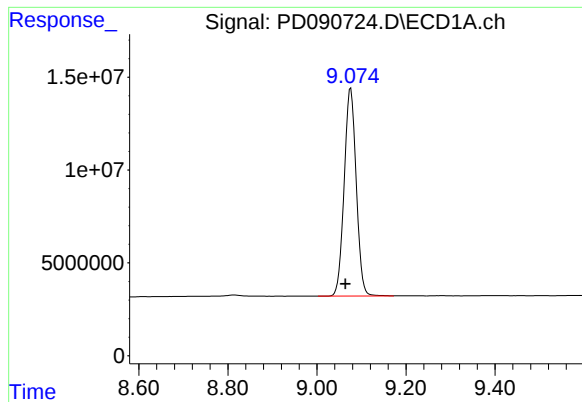
R.T.: 8.116 min
Delta R.T.: 0.008 min
Response: 153746476
Conc: 48.03 ng/ml

Response_ Signal: PD090724.D\ECD2B.ch



#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.001 min
Response: 1290174767
Conc: 50.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.012 min
Response: 210341528
Conc: 44.96 ng/ml

Instrument :

ECD_D

ClientSampleId :

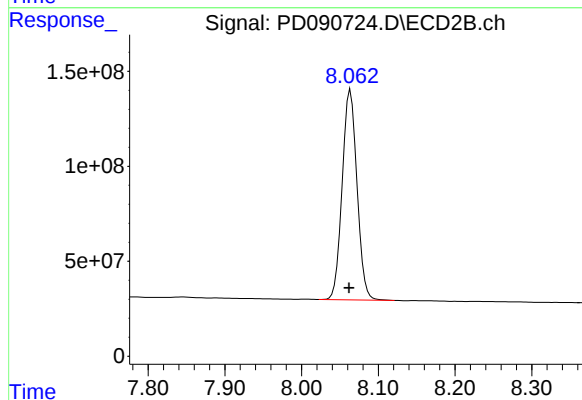
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.002 min
Response: 1487759255
Conc: 49.11 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 16:40

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	3.54	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)	4.33	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	7.15	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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 16:40

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	6.17	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.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090733.D **Time Analyzed:** 16:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	50.260	50.000	0.5
4,4'-DDE	6.190	6.090	6.290	47.320	50.000	-5.4
4,4'-DDT	7.016	6.915	7.115	51.040	50.000	2.1
Aldrin	5.264	5.164	5.364	49.030	50.000	-1.9
alpha-BHC	3.994	3.894	4.094	49.260	50.000	-1.5
alpha-Chlordane	6.021	5.921	6.121	46.430	50.000	-7.1
beta-BHC	4.512	4.412	4.612	47.700	50.000	-4.6
Decachlorobiphenyl	9.066	8.964	9.164	44.630	50.000	-10.7
delta-BHC	4.760	4.660	4.860	48.820	50.000	-2.4
Dieldrin	6.341	6.240	6.440	49.060	50.000	-1.9
Endosulfan I	6.068	5.968	6.168	48.350	50.000	-3.3
Endosulfan II	6.781	6.681	6.881	49.170	50.000	-1.7
Endosulfan sulfate	7.145	7.045	7.245	47.900	50.000	-4.2
Endrin	6.568	6.468	6.668	49.030	50.000	-1.9
Endrin aldehyde	6.910	6.810	7.010	49.030	50.000	-1.9
Endrin ketone	7.626	7.525	7.725	51.010	50.000	2.0
gamma-BHC (Lindane)	4.325	4.225	4.425	48.870	50.000	-2.3
gamma-Chlordane	5.940	5.840	6.040	48.660	50.000	-2.7
Heptachlor	4.923	4.823	5.023	56.860	50.000	13.7
Heptachlor epoxide	5.684	5.584	5.784	48.460	50.000	-3.1
Methoxychlor	7.489	7.388	7.588	49.140	50.000	-1.7
Tetrachloro-m-xylene	3.544	3.445	3.645	47.380	50.000	-5.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090733.D **Time Analyzed:** 16:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	49.010	50.000	-2.0
4,4'-DDE	5.366	5.266	5.466	48.880	50.000	-2.2
4,4'-DDT	6.174	6.074	6.274	51.440	50.000	2.9
Aldrin	4.360	4.261	4.461	48.670	50.000	-2.7
alpha-BHC	3.386	3.287	3.487	48.710	50.000	-2.6
alpha-Chlordane	5.181	5.081	5.281	48.790	50.000	-2.4
beta-BHC	4.019	3.919	4.119	47.630	50.000	-4.7
Decachlorobiphenyl	8.061	7.962	8.162	49.500	50.000	-1.0
delta-BHC	4.255	4.155	4.355	48.600	50.000	-2.8
Dieldrin	5.503	5.404	5.604	49.330	50.000	-1.3
Endosulfan I	5.238	5.138	5.338	47.170	50.000	-5.7
Endosulfan II	6.072	5.972	6.172	49.300	50.000	-1.4
Endosulfan sulfate	6.474	6.374	6.574	49.780	50.000	-0.4
Endrin	5.780	5.681	5.881	50.530	50.000	1.1
Endrin aldehyde	6.250	6.150	6.350	49.860	50.000	-0.3
Endrin ketone	6.983	6.883	7.083	50.910	50.000	1.8
gamma-BHC (Lindane)	3.722	3.623	3.823	48.540	50.000	-2.9
gamma-Chlordane	5.116	5.017	5.217	49.070	50.000	-1.9
Heptachlor	4.075	3.975	4.175	49.570	50.000	-0.9
Heptachlor epoxide	4.864	4.764	4.964	47.520	50.000	-5.0
Methoxychlor	6.744	6.645	6.845	51.470	50.000	2.9
Tetrachloro-m-xylene	2.874	2.775	2.975	47.910	50.000	-4.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090733.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 16:40
 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 23 13:10:45 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	147.6E6	1426.5E6	47.384	47.906
2)	SA Decachlor...	9.066	8.061	208.8E6	1499.5E6	44.633	49.501
Target Compounds							
2)	A alpha-BHC	3.994	3.386	353.5E6	2488.8E6	49.259	48.708
3)	MA gamma-BHC...	4.325	3.722	332.3E6	2293.7E6	48.869	48.544
4)	MA Heptachlor	4.923	4.075	317.8E6	2211.1E6	56.858	49.572
5)	MB Aldrin	5.264	4.360	321.0E6	2254.3E6	49.029	48.670
6)	B beta-BHC	4.512	4.019	125.0E6	944.6E6	47.698	47.634
7)	B delta-BHC	4.760	4.255	330.1E6	2319.0E6	48.818	48.599
8)	B Heptachlo...	5.684	4.864	280.6E6	2026.3E6	48.463	47.521
9)	A Endosulfan I	6.068	5.238	267.7E6	1858.1E6	48.347	47.171
10)	B gamma-Chl...	5.940	5.116	288.6E6	2205.7E6	48.660	49.071
11)	B alpha-Chl...	6.021	5.181	286.9E6	2104.6E6	46.426	48.788
12)	B 4,4'-DDE	6.190	5.366	252.0E6	2143.0E6	47.316	48.883
13)	MA Dieldrin	6.341	5.503	286.1E6	2179.7E6	49.056	49.332
14)	MA Endrin	6.568	5.780	242.9E6	2046.1E6	49.031	50.528
15)	B Endosulfa...	6.781	6.072	245.9E6	1851.4E6	49.174	49.297
16)	A 4,4'-DDD	6.700	5.920	203.8E6	1785.8E6	50.261	49.009
17)	MA 4,4'-DDT	7.016	6.174	209.8E6	1804.1E6	51.039	51.437
18)	B Endrin al...	6.910	6.250	179.6E6	1380.6E6	49.027	49.855
19)	B Endosulfa...	7.145	6.474	222.2E6	1784.5E6	47.902	49.784
20)	A Methoxychlor	7.489	6.744	104.4E6	897.1E6	49.136	51.474
21)	B Endrin ke...	7.626	6.983	247.8E6	1920.4E6	51.009	50.914
22)	Mirex	8.108	7.175	152.7E6	1294.7E6	47.698	50.394

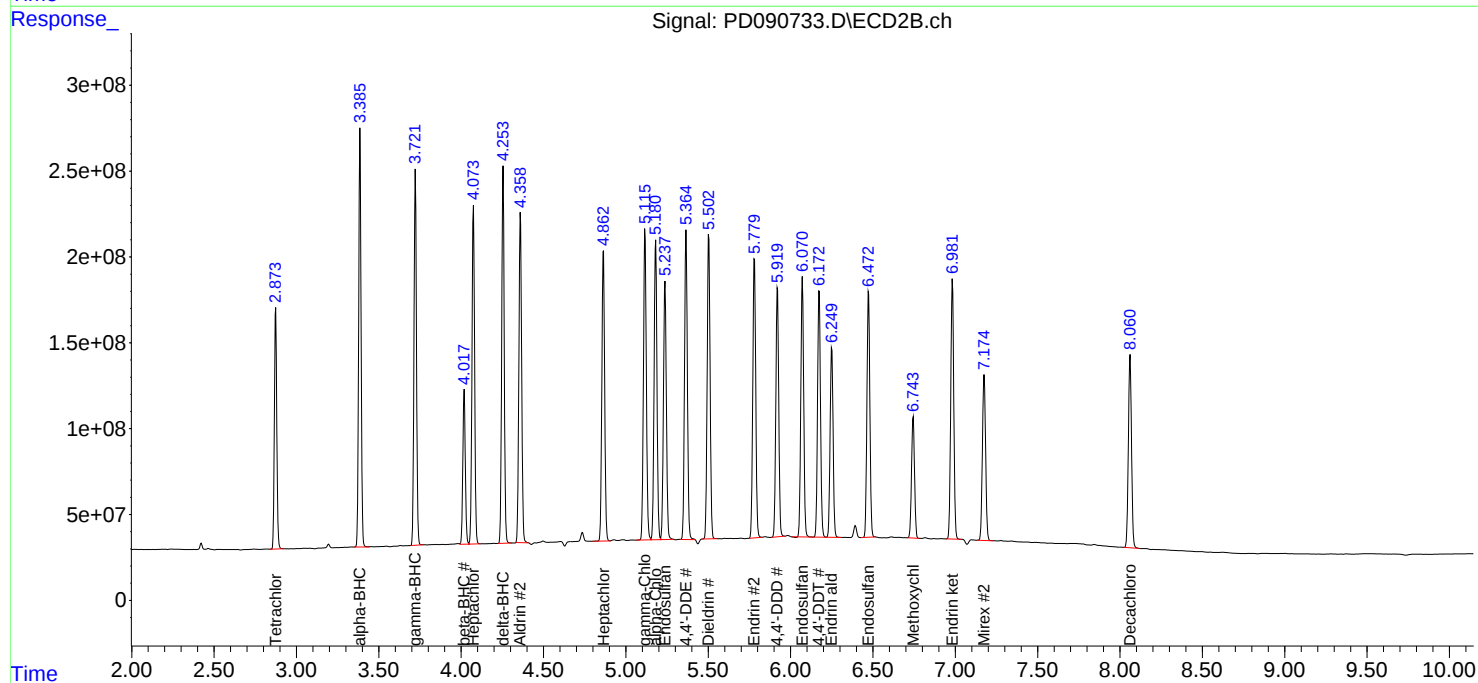
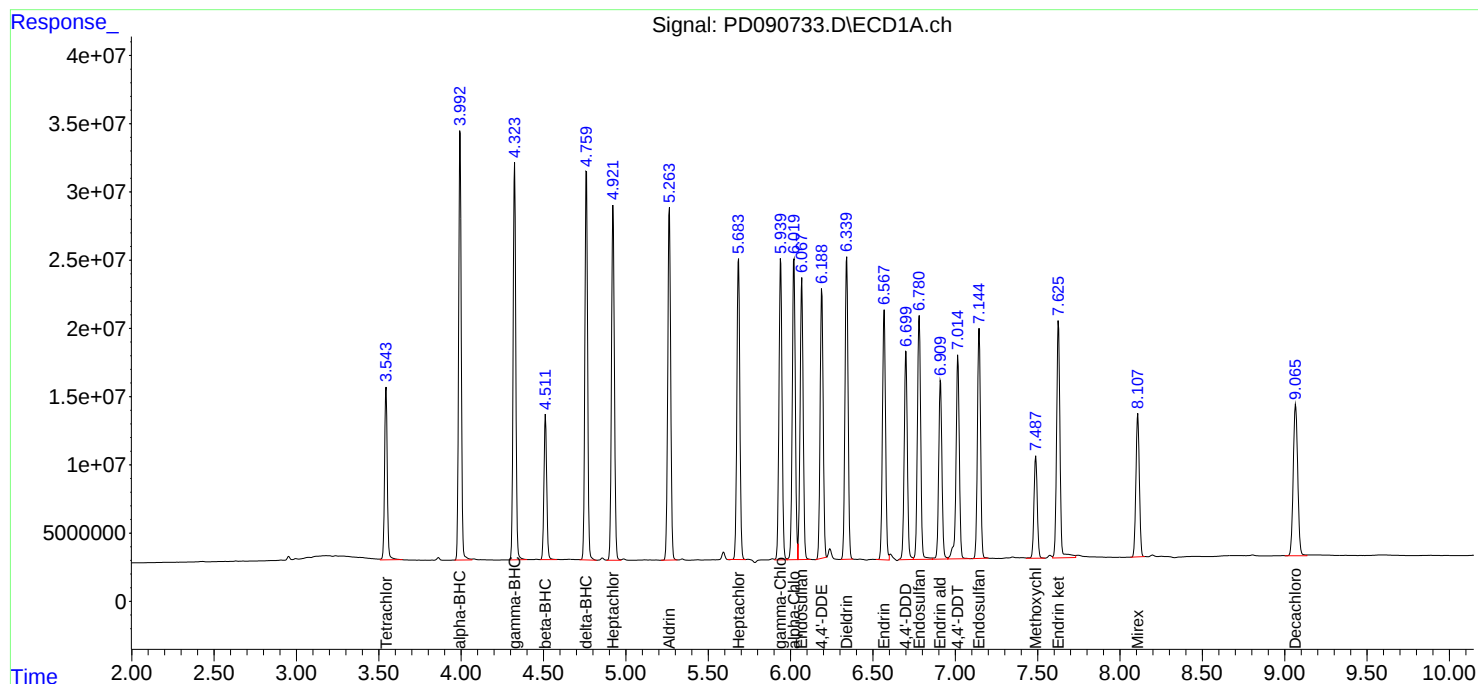
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

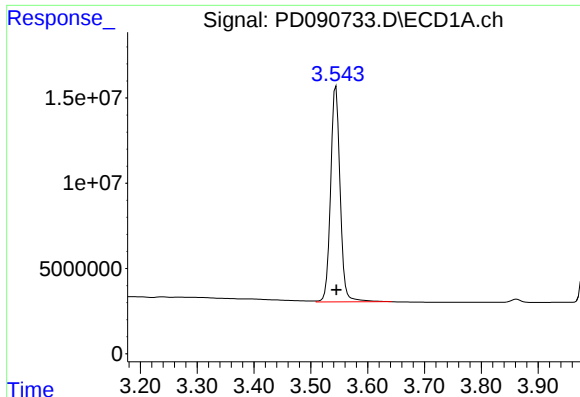
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090733.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:40
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:10:45 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

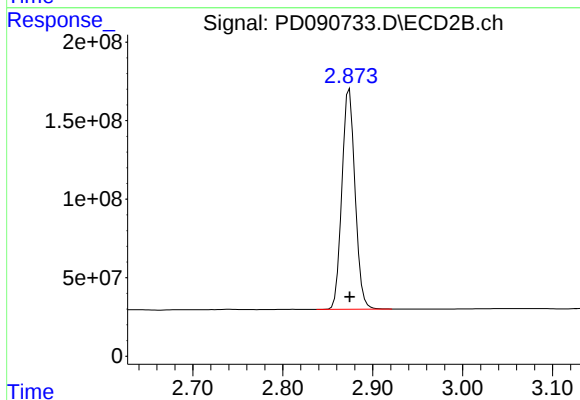




#1 Tetrachloro-m-xylene

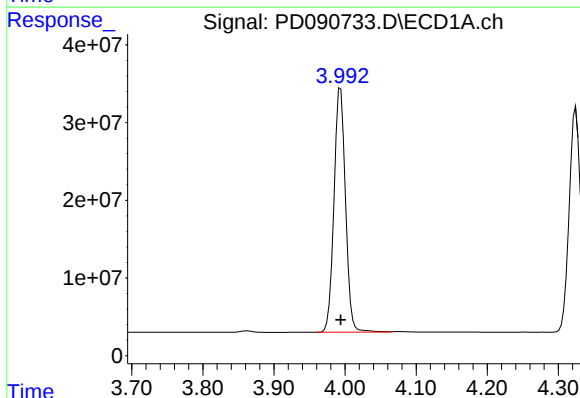
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 147561110
Conc: 47.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



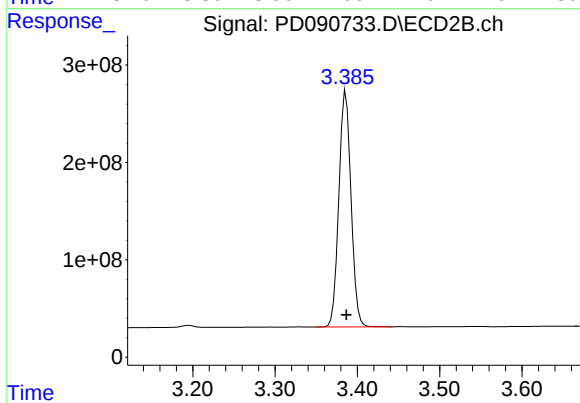
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1426502404
Conc: 47.91 ng/ml



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 353541013
Conc: 49.26 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2488770821
Conc: 48.71 ng/ml

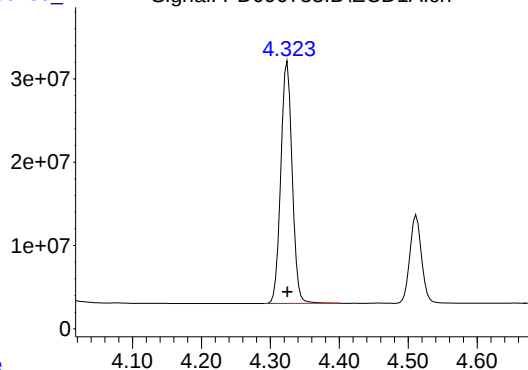
Response_

Signal: PD090733.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 332254759
Conc: 48.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



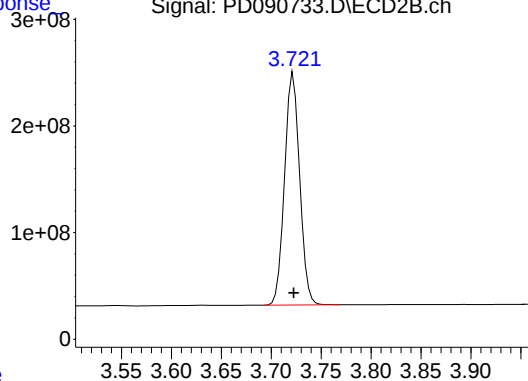
Time

Response

Signal: PD090733.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2293671668
Conc: 48.54 ng/ml



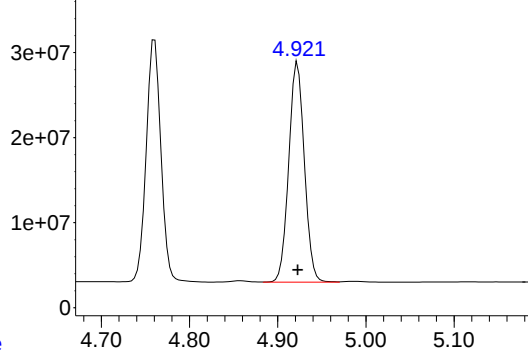
Time

Response_

Signal: PD090733.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 317812103
Conc: 56.86 ng/ml



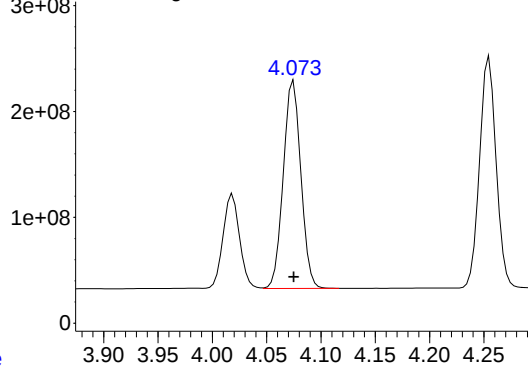
Time

Response

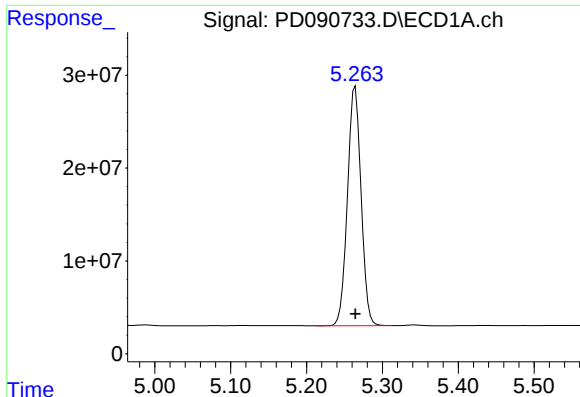
Signal: PD090733.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2211064455
Conc: 49.57 ng/ml



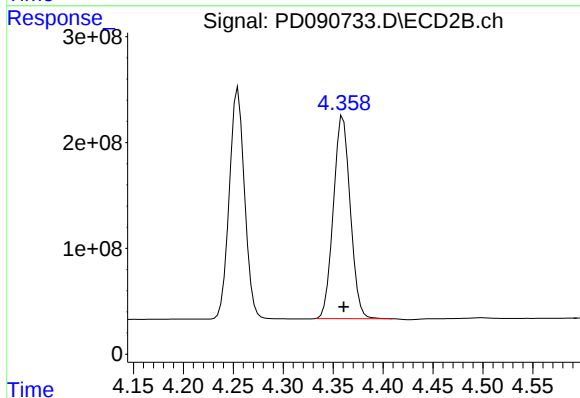
Time



#5 Aldrin

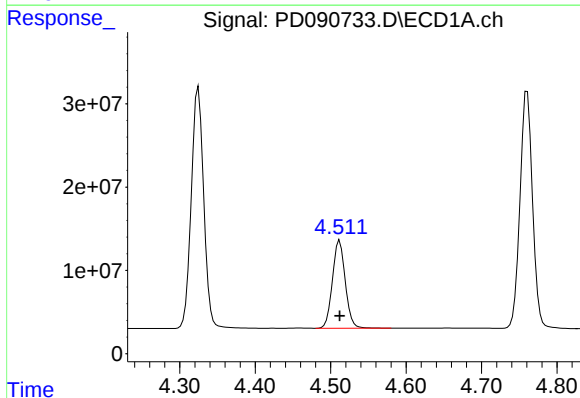
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 321007761
Conc: 49.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



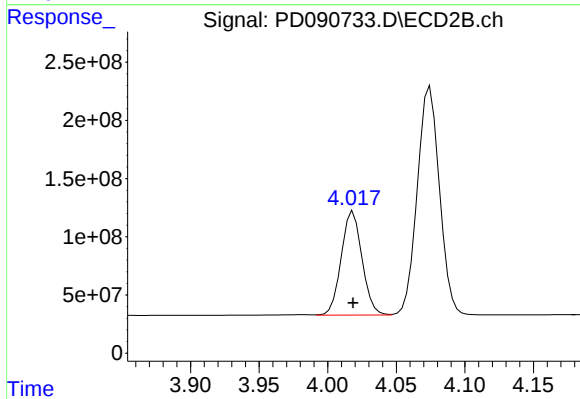
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2254319430
Conc: 48.67 ng/ml



#6 beta-BHC

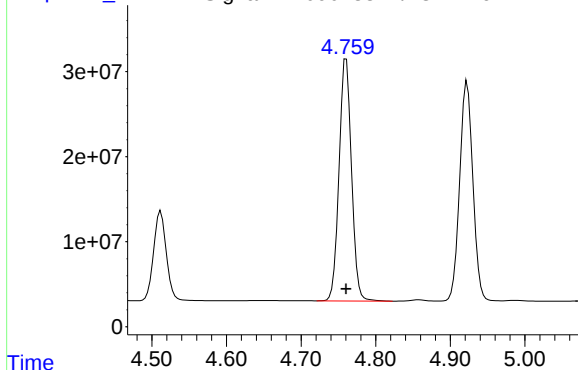
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 124950487
Conc: 47.70 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 944564735
Conc: 47.63 ng/ml

Response_ Signal: PD090733.D\ECD1A.ch

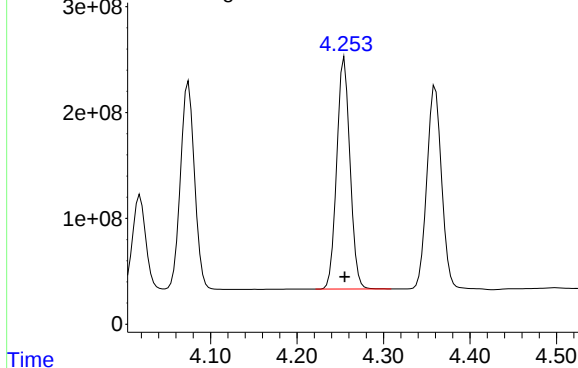


#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 330094330
Conc: 48.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

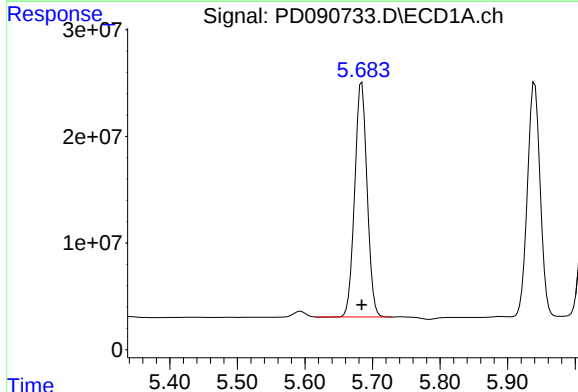
Response_ Signal: PD090733.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2318980060
Conc: 48.60 ng/ml

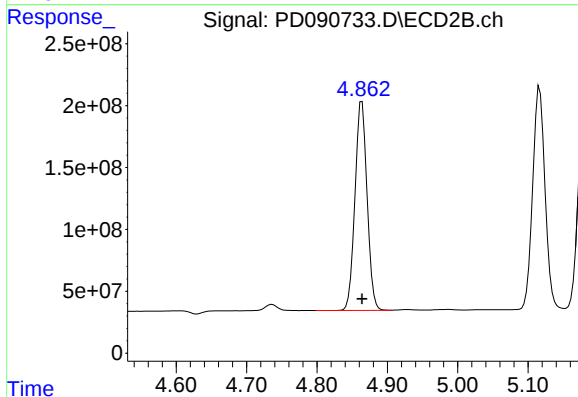
Response_ Signal: PD090733.D\ECD1A.ch



#8 Heptachlor epoxide

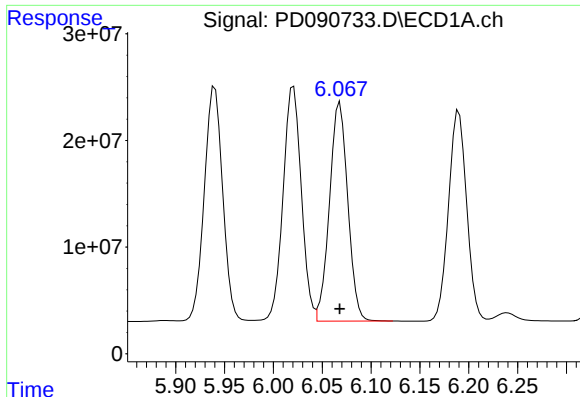
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 280557810
Conc: 48.46 ng/ml

Response_ Signal: PD090733.D\ECD2B.ch



#8 Heptachlor epoxide

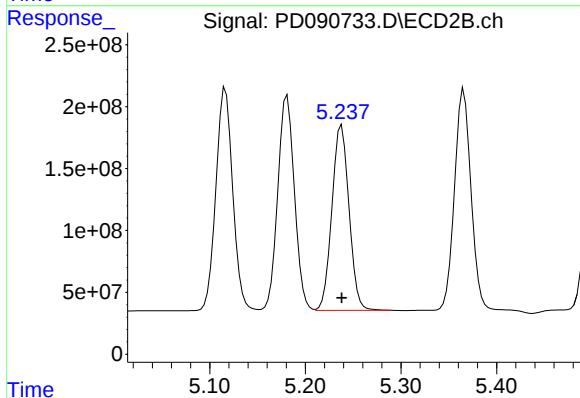
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2026253038
Conc: 47.52 ng/ml



#9 Endosulfan I

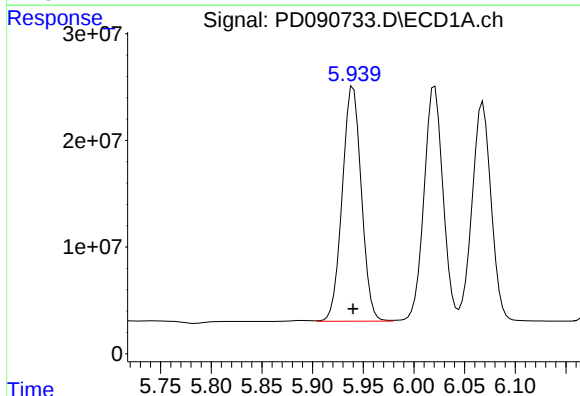
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 267680485
Conc: 48.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



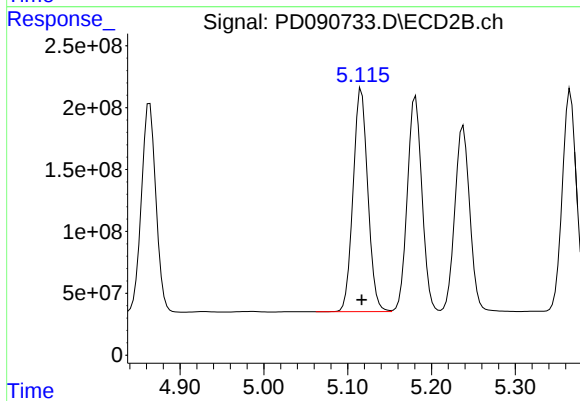
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1858075700
Conc: 47.17 ng/ml



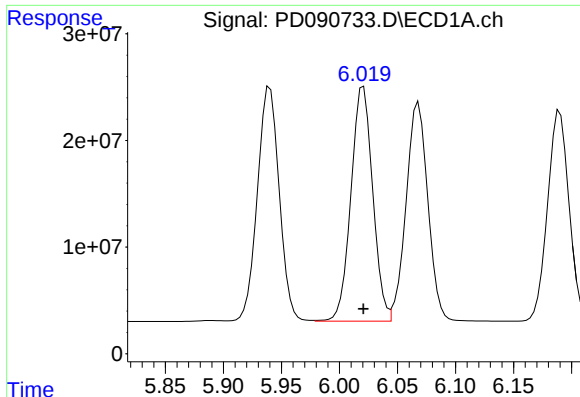
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 288611691
Conc: 48.66 ng/ml



#10 gamma-Chlordane

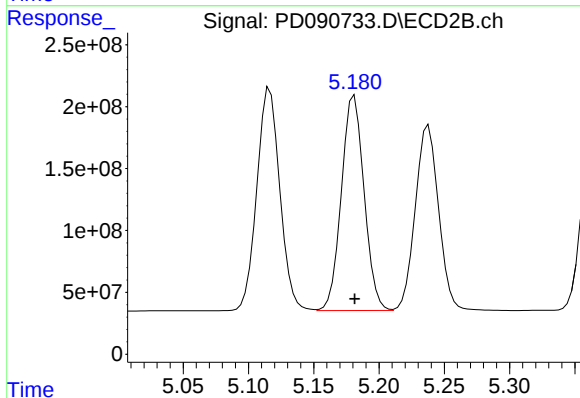
R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2205702894
Conc: 49.07 ng/ml



#11 alpha-Chlordane

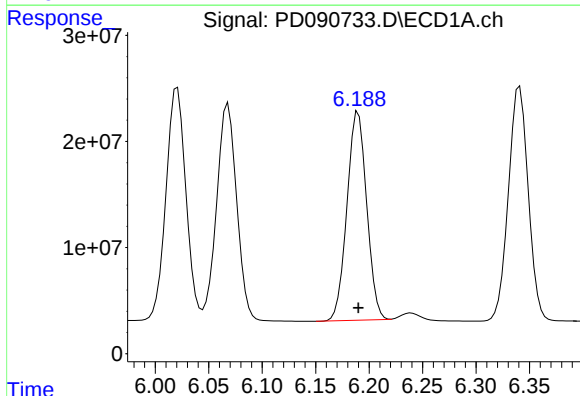
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 286921444
Conc: 46.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



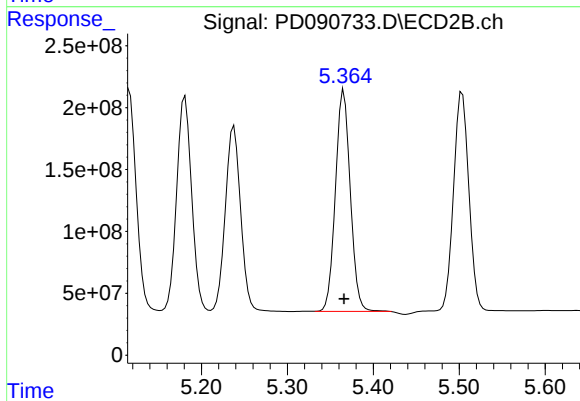
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2104606469
Conc: 48.79 ng/ml



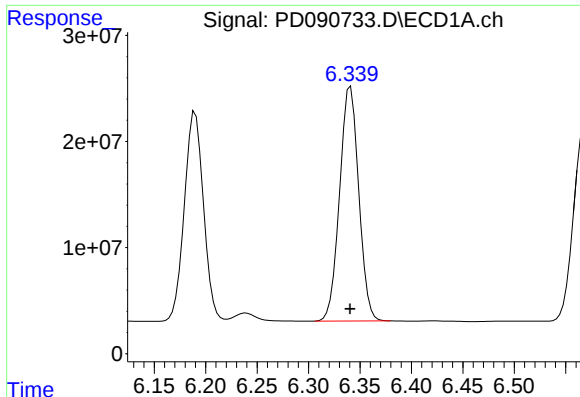
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 252035939
Conc: 47.32 ng/ml



#12 4,4'-DDE

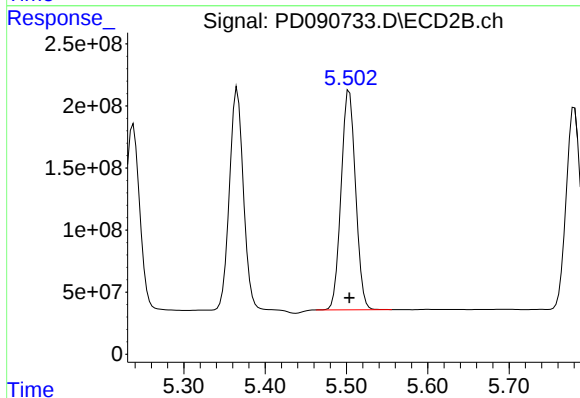
R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2142964943
Conc: 48.88 ng/ml



#13 Dieldrin

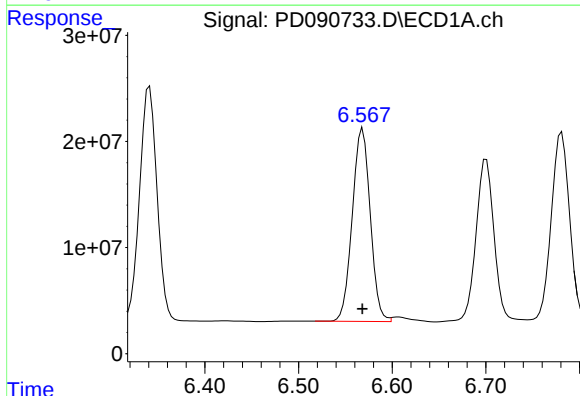
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 286060775
Conc: 49.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



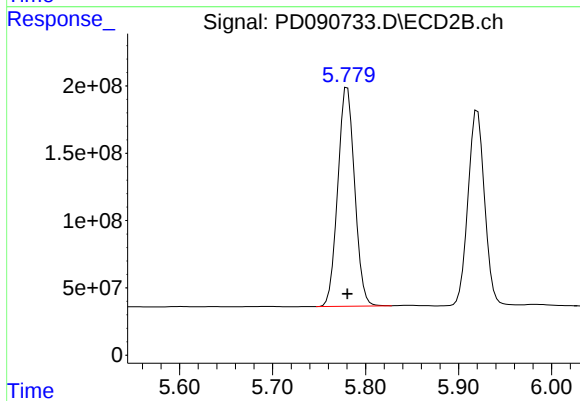
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2179684032
Conc: 49.33 ng/ml



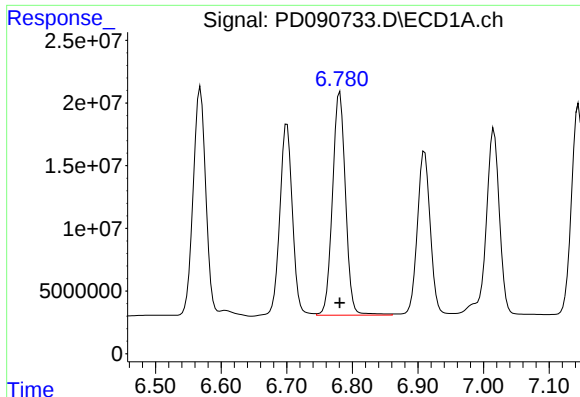
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 242885604
Conc: 49.03 ng/ml



#14 Endrin

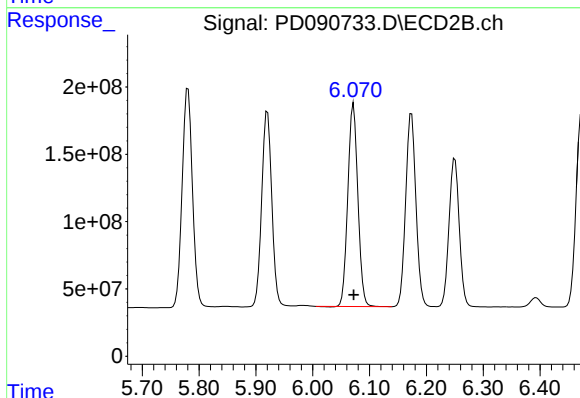
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2046087914
Conc: 50.53 ng/ml



#15 Endosulfan II

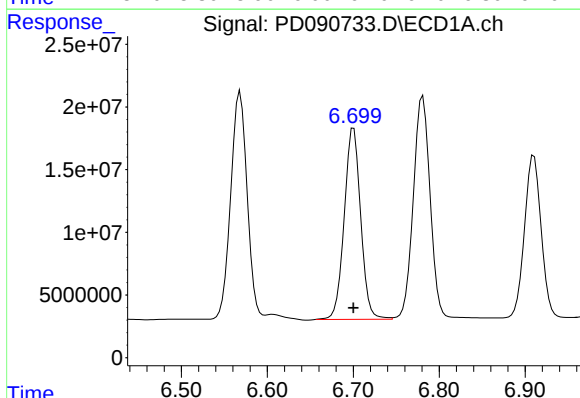
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 245866242
Conc: 49.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



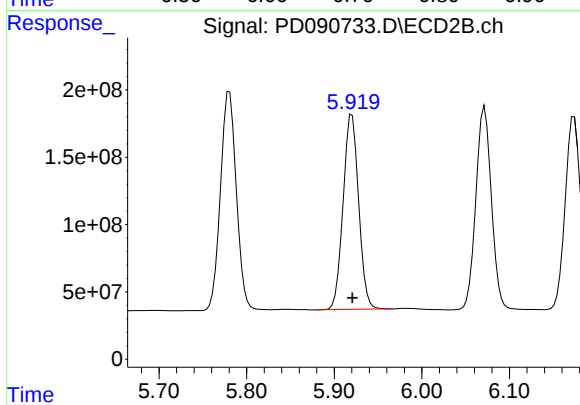
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1851388229
Conc: 49.30 ng/ml



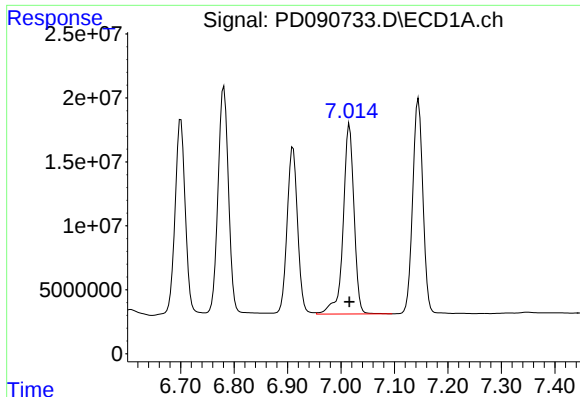
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 203768554
Conc: 50.26 ng/ml



#16 4,4'-DDD

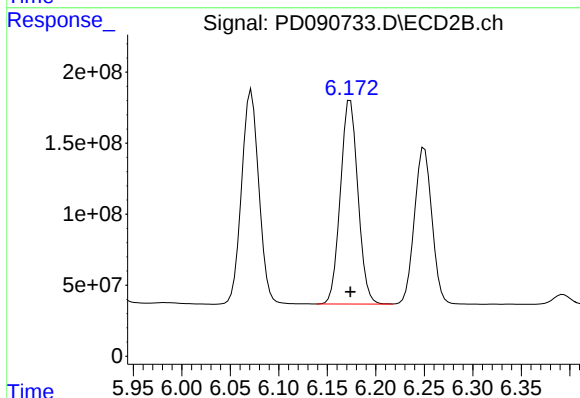
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1785793772
Conc: 49.01 ng/ml



#17 4,4'-DDT

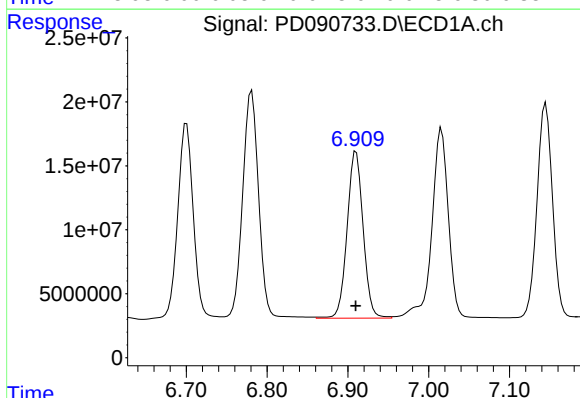
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 209795009
Conc: 51.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



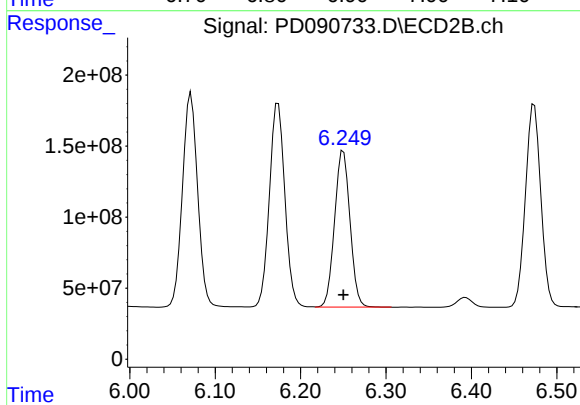
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1804060636
Conc: 51.44 ng/ml



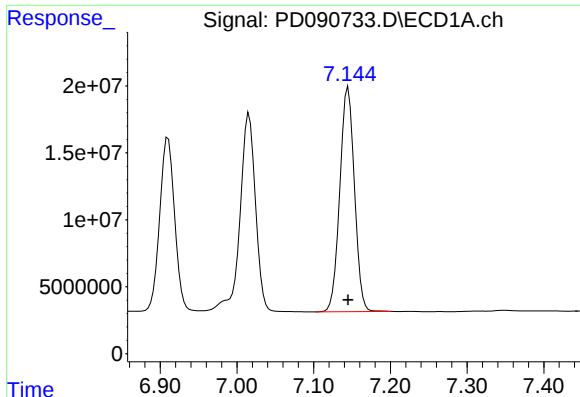
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 179572024
Conc: 49.03 ng/ml



#18 Endrin aldehyde

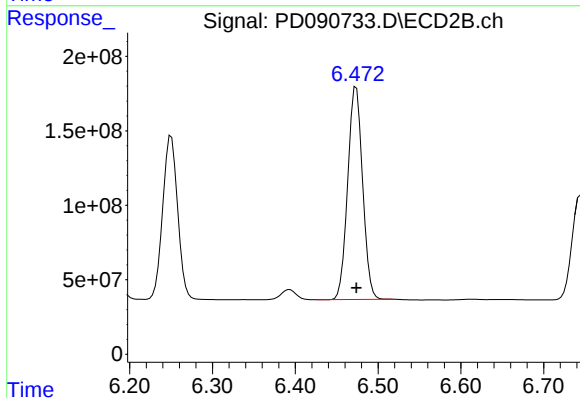
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1380626625
Conc: 49.86 ng/ml



#19 Endosulfan Sulfate

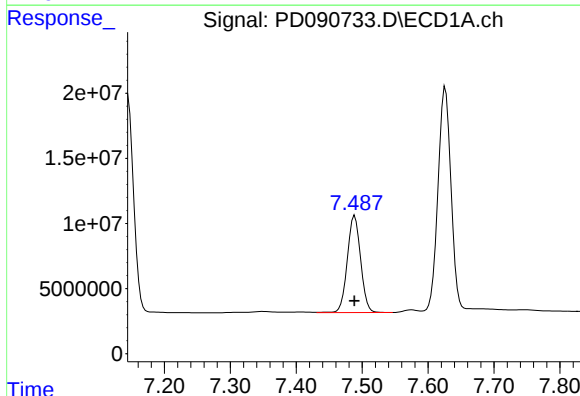
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 222178725
Conc: 47.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



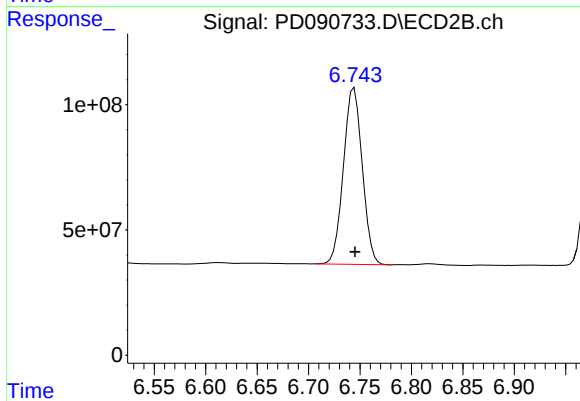
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1784504919
Conc: 49.78 ng/ml



#20 Methoxychlor

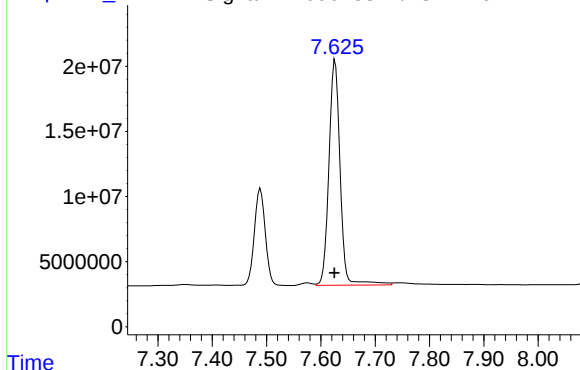
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 104442233
Conc: 49.14 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 897073868
Conc: 51.47 ng/ml

Response_ Signal: PD090733.D\ECD1A.ch

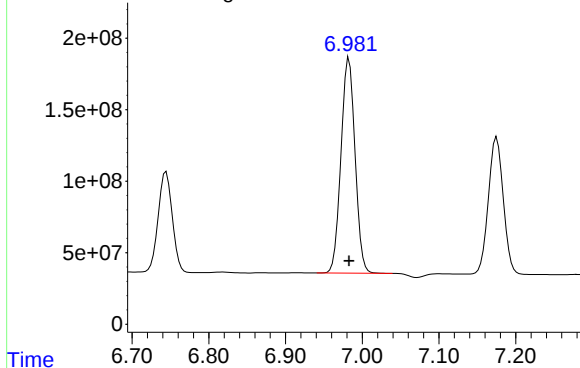


#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 247847186
Conc: 51.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

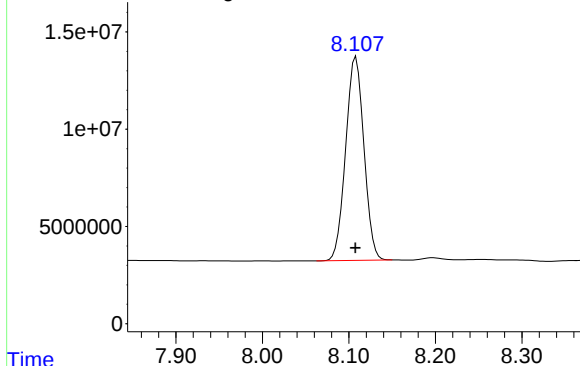
Response_ Signal: PD090733.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1920350202
Conc: 50.91 ng/ml

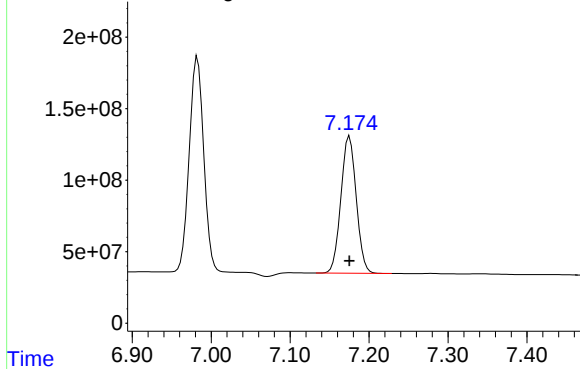
Response_ Signal: PD090733.D\ECD1A.ch



#22 Mirex

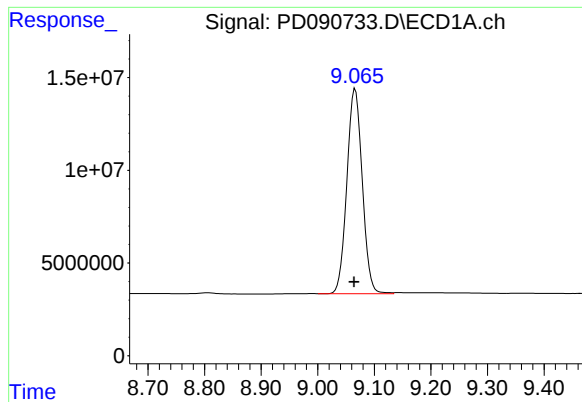
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 152673652
Conc: 47.70 ng/ml

Response_ Signal: PD090733.D\ECD2B.ch



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1294679339
Conc: 50.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min

Delta R.T.: 0.002 min

Response: 208790901

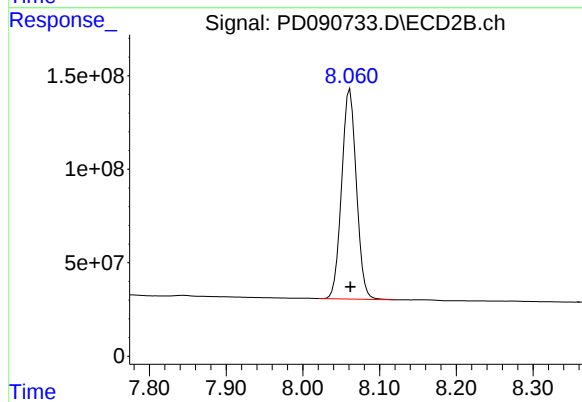
Conc: 44.63 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.061 min

Delta R.T.: 0.000 min

Response: 1499462489

Conc: 49.50 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.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 19:38

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	3.54	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)	4.33	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	7.15	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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 19:38

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	6.75	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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090746.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	49.860	50.000	-0.3
4,4'-DDE	6.190	6.090	6.290	46.810	50.000	-6.4
4,4'-DDT	7.016	6.915	7.115	50.050	50.000	0.1
Aldrin	5.264	5.164	5.364	48.220	50.000	-3.6
alpha-BHC	3.994	3.894	4.094	48.460	50.000	-3.1
alpha-Chlordane	6.021	5.921	6.121	46.450	50.000	-7.1
beta-BHC	4.512	4.412	4.612	47.190	50.000	-5.6
Decachlorobiphenyl	9.066	8.964	9.164	45.090	50.000	-9.8
delta-BHC	4.760	4.660	4.860	48.270	50.000	-3.5
Dieldrin	6.341	6.240	6.440	48.320	50.000	-3.4
Endosulfan I	6.068	5.968	6.168	47.740	50.000	-4.5
Endosulfan II	6.781	6.681	6.881	48.440	50.000	-3.1
Endosulfan sulfate	7.145	7.045	7.245	47.500	50.000	-5.0
Endrin	6.568	6.468	6.668	48.160	50.000	-3.7
Endrin aldehyde	6.910	6.810	7.010	48.550	50.000	-2.9
Endrin ketone	7.626	7.525	7.725	48.400	50.000	-3.2
gamma-BHC (Lindane)	4.325	4.225	4.425	48.090	50.000	-3.8
gamma-Chlordane	5.940	5.840	6.040	48.000	50.000	-4.0
Heptachlor	4.922	4.823	5.023	55.710	50.000	11.4
Heptachlor epoxide	5.684	5.584	5.784	47.850	50.000	-4.3
Methoxychlor	7.489	7.388	7.588	48.670	50.000	-2.7
Tetrachloro-m-xylene	3.544	3.445	3.645	46.390	50.000	-7.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090746.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	49.190	50.000	-1.6
4,4'-DDE	5.365	5.266	5.466	48.920	50.000	-2.2
4,4'-DDT	6.174	6.074	6.274	50.890	50.000	1.8
Aldrin	4.359	4.261	4.461	48.200	50.000	-3.6
alpha-BHC	3.386	3.287	3.487	47.860	50.000	-4.3
alpha-Chlordane	5.181	5.081	5.281	48.460	50.000	-3.1
beta-BHC	4.018	3.919	4.119	47.130	50.000	-5.7
Decachlorobiphenyl	8.062	7.962	8.162	51.020	50.000	2.0
delta-BHC	4.255	4.155	4.355	48.130	50.000	-3.7
Dieldrin	5.503	5.404	5.604	48.950	50.000	-2.1
Endosulfan I	5.237	5.138	5.338	46.940	50.000	-6.1
Endosulfan II	6.071	5.972	6.172	49.460	50.000	-1.1
Endosulfan sulfate	6.474	6.374	6.574	49.650	50.000	-0.7
Endrin	5.780	5.681	5.881	49.970	50.000	-0.1
Endrin aldehyde	6.250	6.150	6.350	50.030	50.000	0.1
Endrin ketone	6.983	6.883	7.083	51.180	50.000	2.4
gamma-BHC (Lindane)	3.722	3.623	3.823	47.790	50.000	-4.4
gamma-Chlordane	5.116	5.017	5.217	48.480	50.000	-3.0
Heptachlor	4.074	3.975	4.175	48.850	50.000	-2.3
Heptachlor epoxide	4.864	4.764	4.964	47.140	50.000	-5.7
Methoxychlor	6.745	6.645	6.845	51.200	50.000	2.4
Tetrachloro-m-xylene	2.874	2.775	2.975	47.140	50.000	-5.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090746.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 19:38
 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 23 13:12:55 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	144.5E6	1403.7E6	46.389	47.140
2)	SA Decachlor...	9.066	8.062	210.9E6	1545.5E6	45.092	51.021
Target Compounds							
2)	A alpha-BHC	3.994	3.386	347.8E6	2445.7E6	48.461	47.865
3)	MA gamma-BHC...	4.325	3.722	327.0E6	2258.1E6	48.091	47.792
4)	MA Heptachlor	4.922	4.074	311.4E6	2179.0E6	55.713	48.854
5)	MB Aldrin	5.264	4.359	315.7E6	2232.7E6	48.219	48.203
6)	B beta-BHC	4.512	4.018	123.6E6	934.6E6	47.189	47.133
7)	B delta-BHC	4.760	4.255	326.4E6	2296.7E6	48.272	48.131
8)	B Heptachlo...	5.684	4.864	277.0E6	2010.2E6	47.850	47.145
9)	A Endosulfan I	6.068	5.237	264.3E6	1849.0E6	47.744	46.941
10)	B gamma-Chl...	5.940	5.116	284.7E6	2179.0E6	48.003	48.478
11)	B alpha-Chl...	6.021	5.181	287.1E6	2090.7E6	46.449	48.465
12)	B 4,4'-DDE	6.190	5.365	249.3E6	2144.7E6	46.805	48.924
13)	MA Dieldrin	6.341	5.503	281.8E6	2162.6E6	48.318	48.946
14)	MA Endrin	6.568	5.780	238.6E6	2023.3E6	48.163	49.966
15)	B Endosulfa...	6.781	6.071	242.2E6	1857.4E6	48.442	49.457
16)	A 4,4'-DDD	6.700	5.920	202.1E6	1792.5E6	49.861	49.194
17)	MA 4,4'-DDT	7.016	6.174	205.7E6	1785.0E6	50.052	50.892
18)	B Endrin al...	6.910	6.250	177.8E6	1385.5E6	48.554	50.031
19)	B Endosulfa...	7.145	6.474	220.3E6	1779.8E6	47.503	49.653
20)	A Methoxychlor	7.489	6.745	103.5E6	892.4E6	48.670	51.203
21)	B Endrin ke...	7.626	6.983	235.2E6	1930.3E6	48.399	51.176
22)	Mirex	8.108	7.175	152.3E6	1301.4E6	47.566	50.656

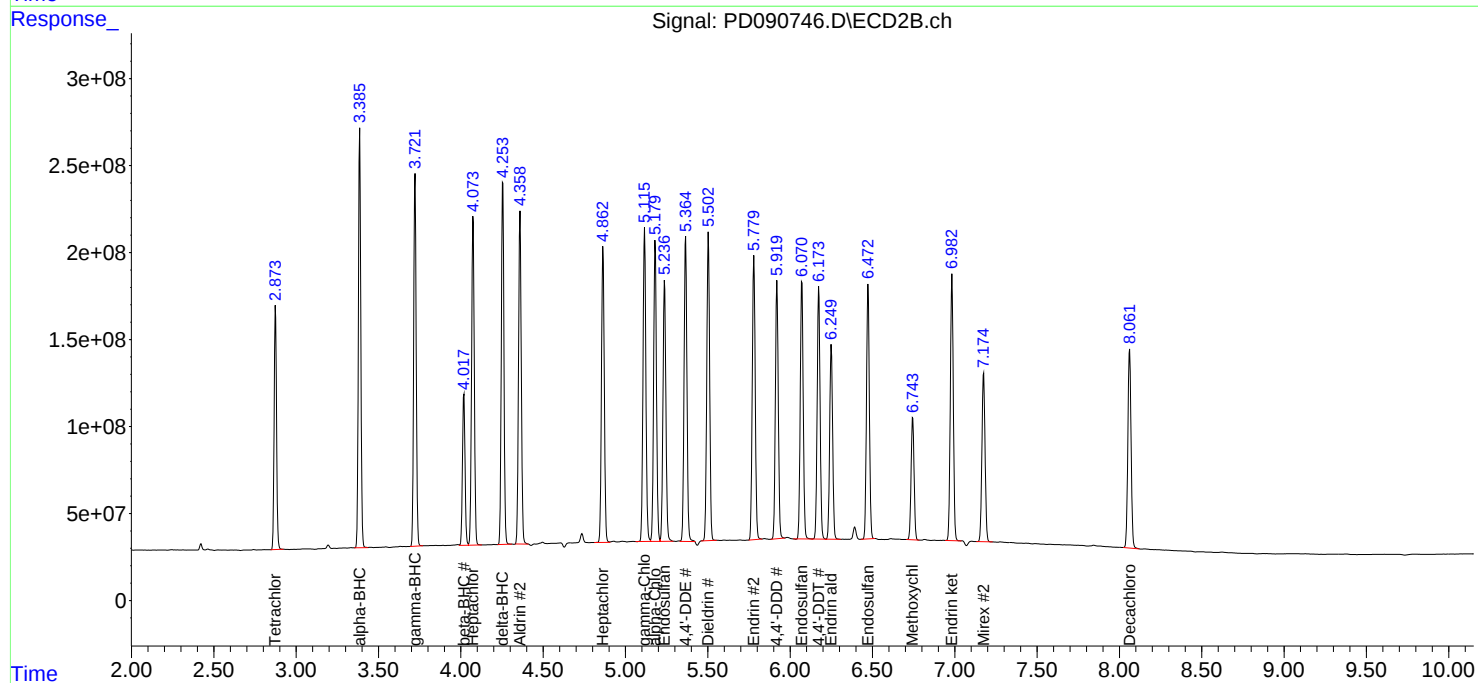
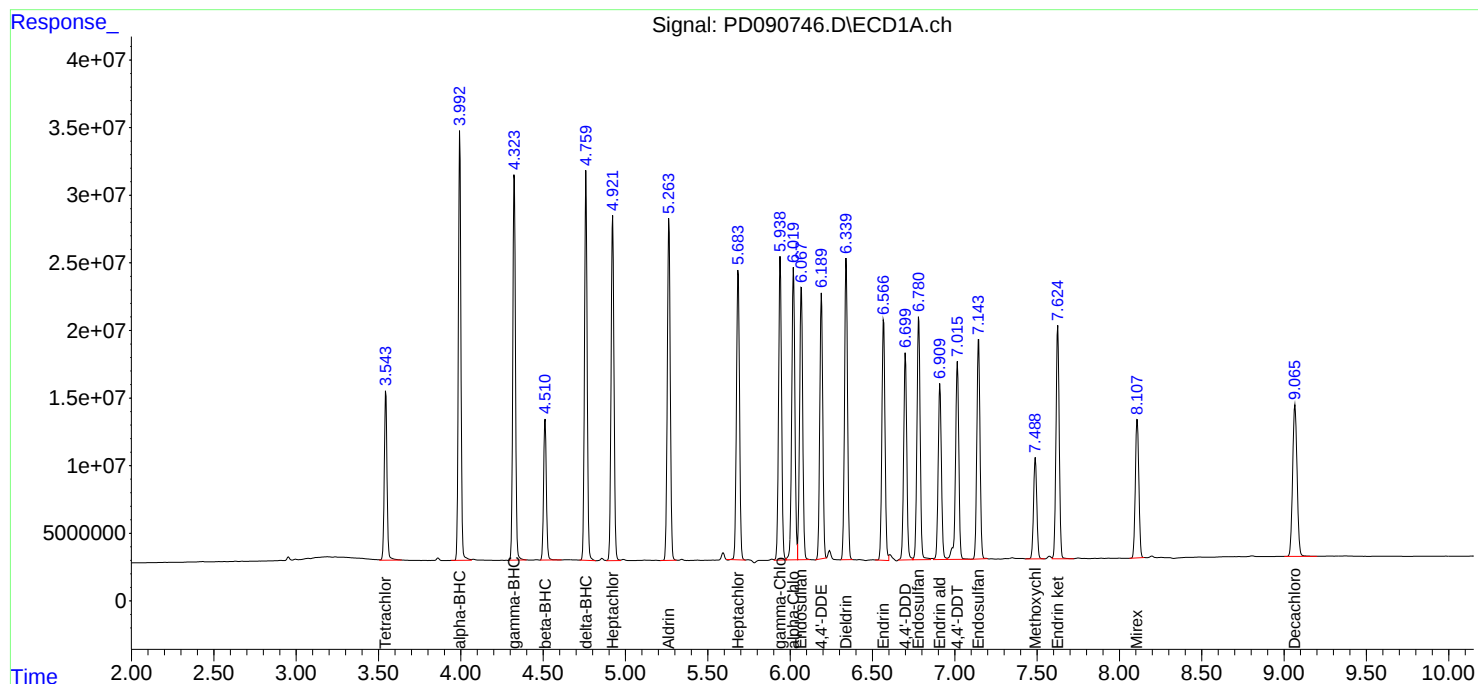
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

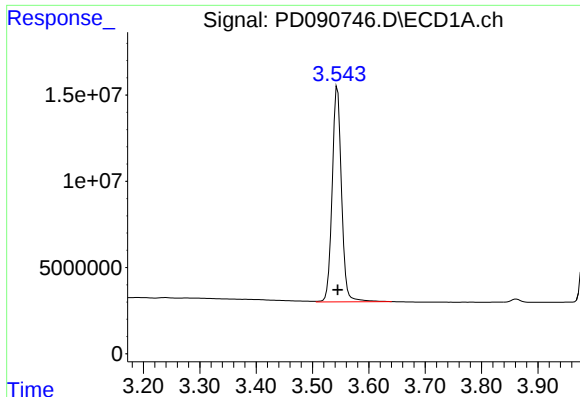
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 19:38
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:12:55 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

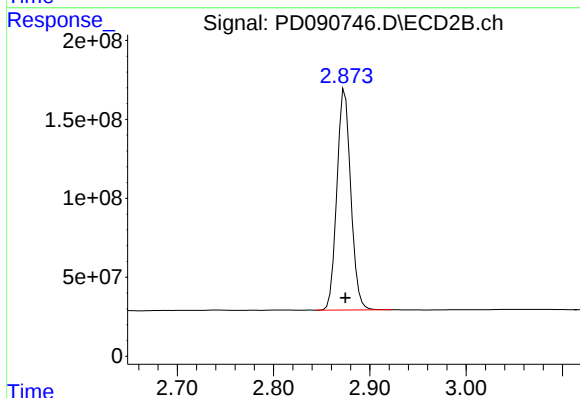




#1 Tetrachloro-m-xylene

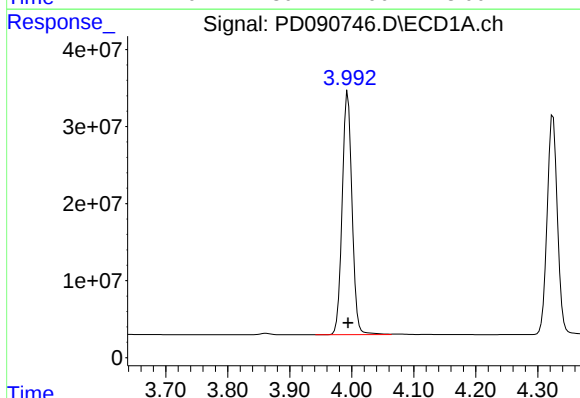
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 144463940
Conc: 46.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



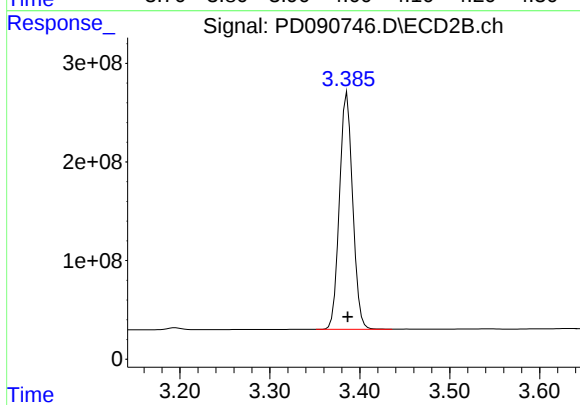
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1403685646
Conc: 47.14 ng/ml



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 347809244
Conc: 48.46 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2445692766
Conc: 47.86 ng/ml

Response_

Signal: PD090746.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 326961245

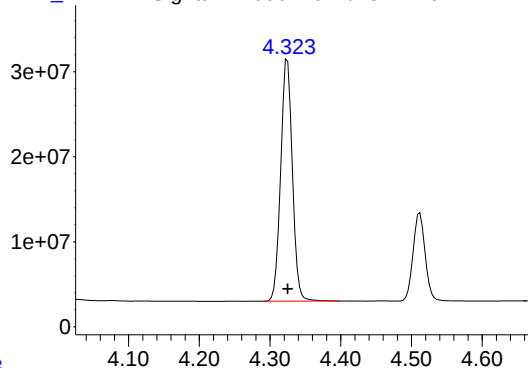
Conc: 48.09 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



Time

Response_

Signal: PD090746.D\ECD2B.ch

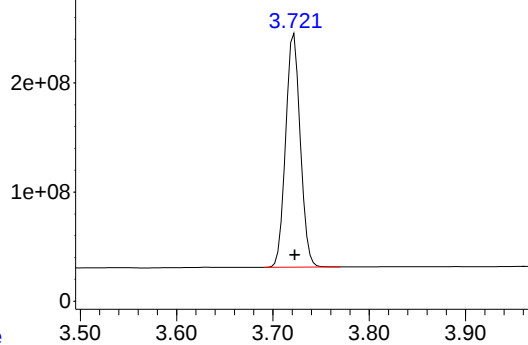
#3 gamma-BHC (Lindane)

R.T.: 3.722 min

Delta R.T.: 0.000 min

Response: 2258131235

Conc: 47.79 ng/ml



Time

Response_

Signal: PD090746.D\ECD1A.ch

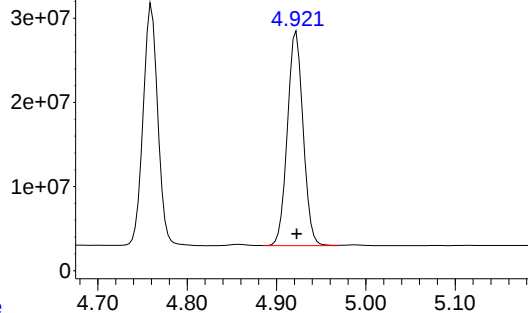
#4 Heptachlor

R.T.: 4.922 min

Delta R.T.: 0.000 min

Response: 311411530

Conc: 55.71 ng/ml



Time

Response_

Signal: PD090746.D\ECD2B.ch

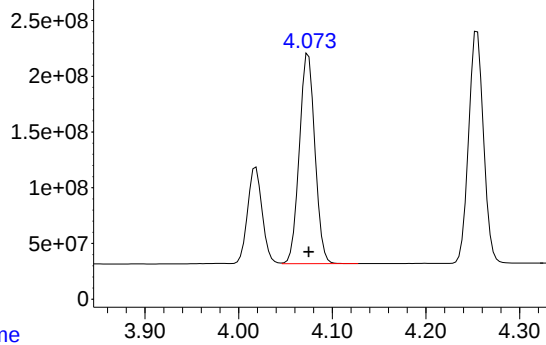
#4 Heptachlor

R.T.: 4.074 min

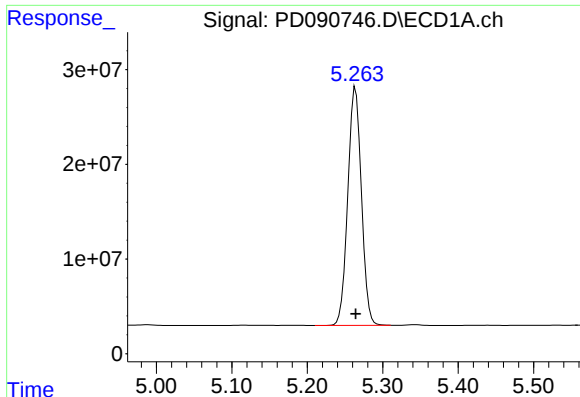
Delta R.T.: 0.000 min

Response: 2179005896

Conc: 48.85 ng/ml



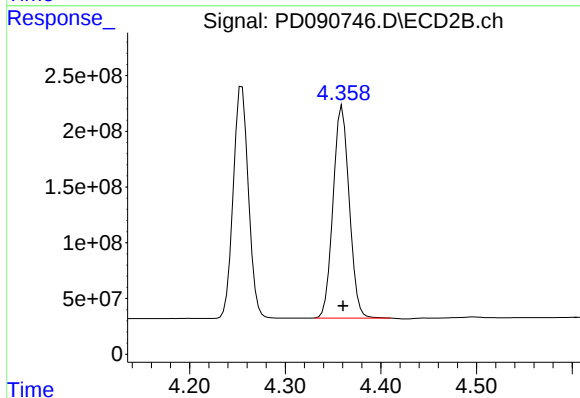
Time



#5 Aldrin

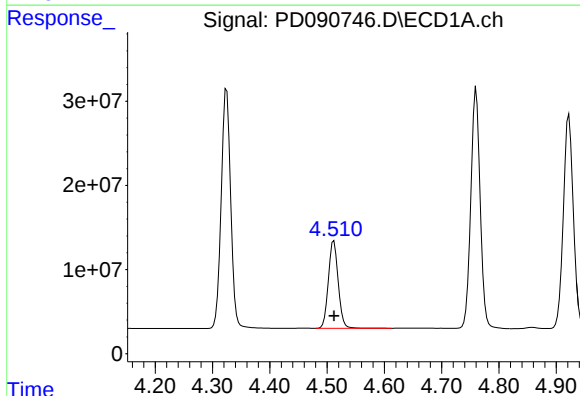
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 315702524
Conc: 48.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



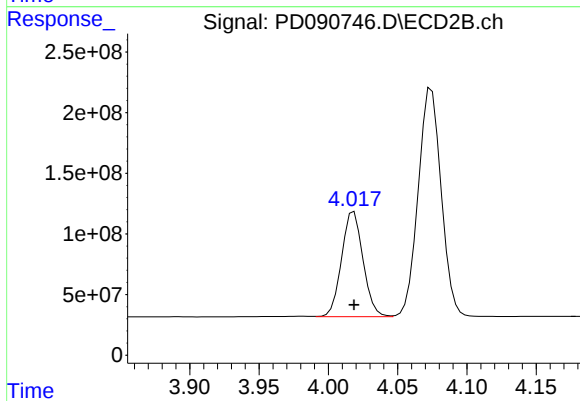
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.001 min
Response: 2232726594
Conc: 48.20 ng/ml



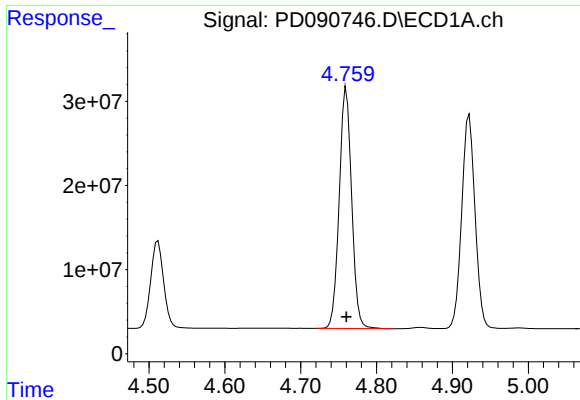
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 123616792
Conc: 47.19 ng/ml



#6 beta-BHC

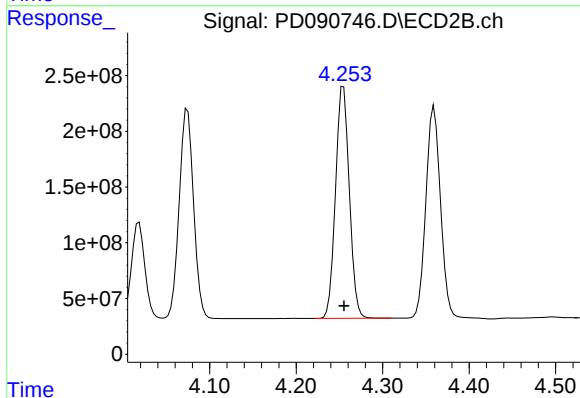
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 934635632
Conc: 47.13 ng/ml



#7 delta-BHC

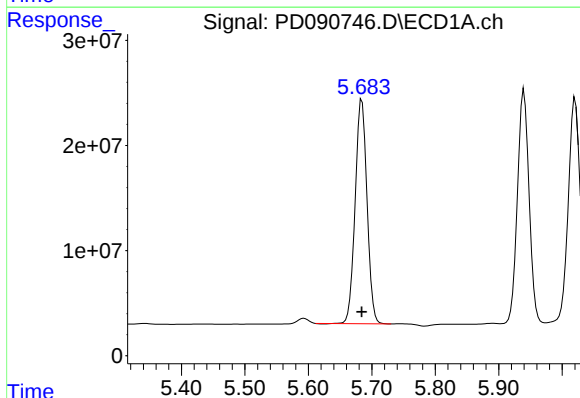
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 326399176
Conc: 48.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



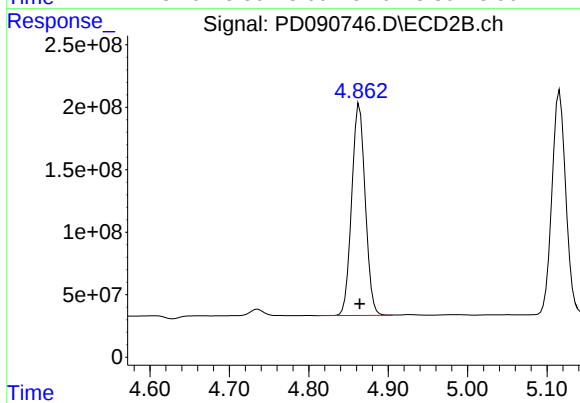
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2296652906
Conc: 48.13 ng/ml



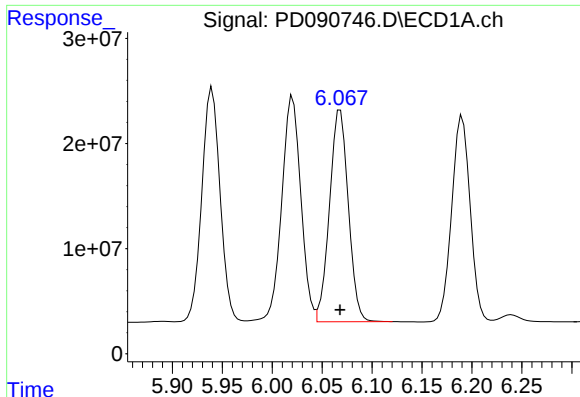
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 277004010
Conc: 47.85 ng/ml



#8 Heptachlor epoxide

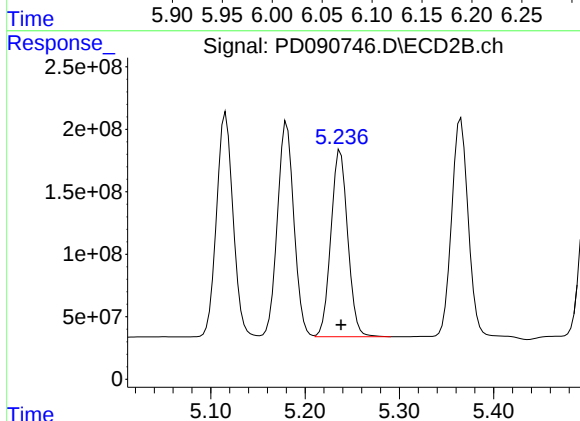
R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2010210573
Conc: 47.14 ng/ml



#9 Endosulfan I

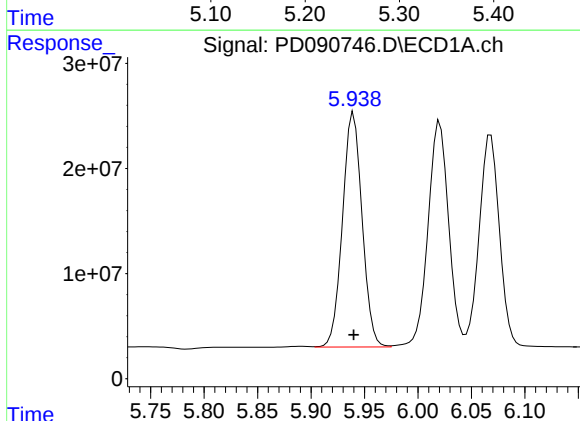
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 264342415
Conc: 47.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



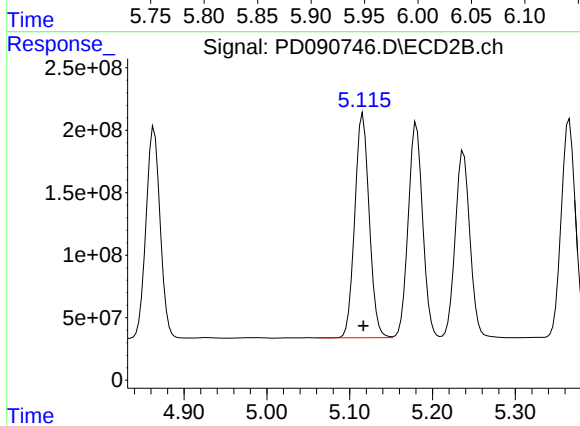
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: 0.000 min
Response: 1849040489
Conc: 46.94 ng/ml



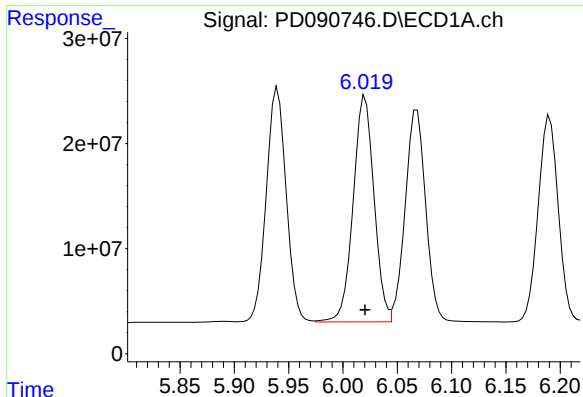
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 284715478
Conc: 48.00 ng/ml



#10 gamma-Chlordane

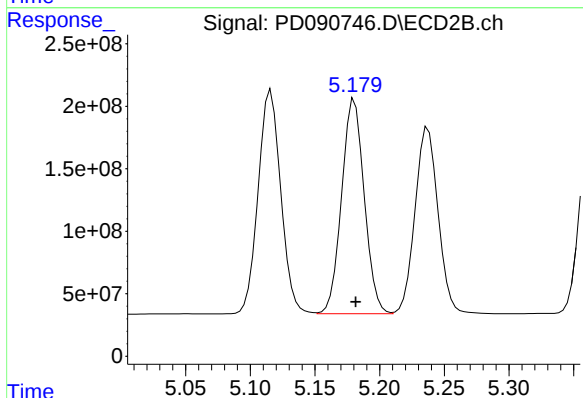
R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2179010475
Conc: 48.48 ng/ml



#11 alpha-Chlordane

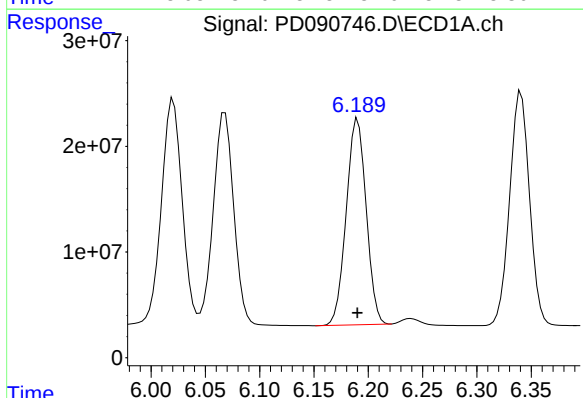
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 287069088
Conc: 46.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



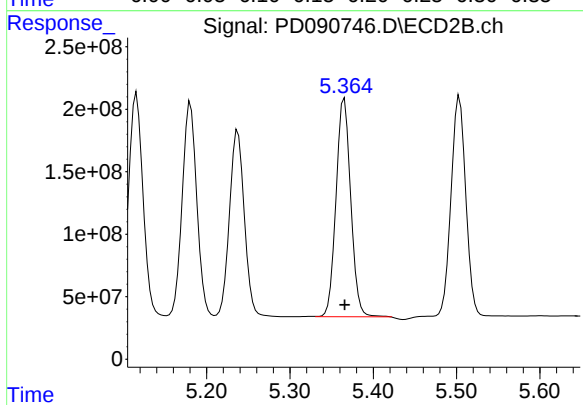
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2090659674
Conc: 48.46 ng/ml



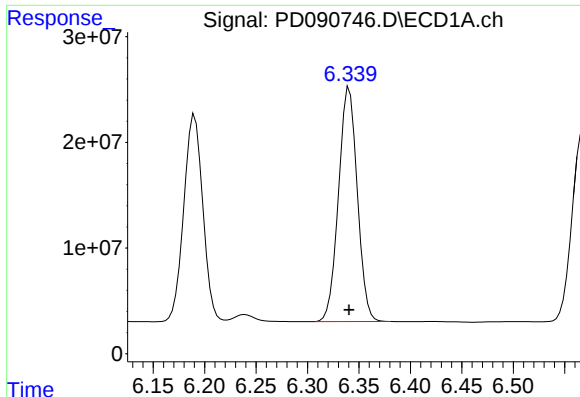
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 249314305
Conc: 46.81 ng/ml



#12 4,4'-DDE

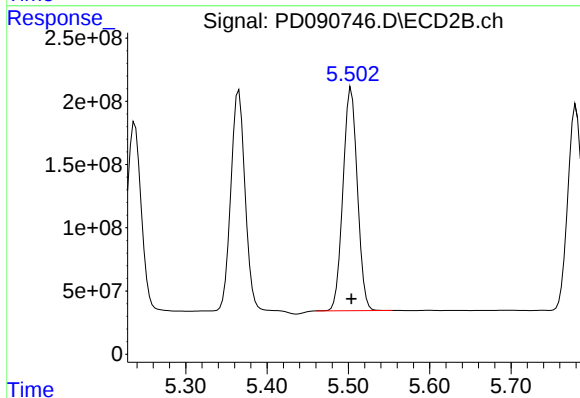
R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2144730448
Conc: 48.92 ng/ml



#13 Dieldrin

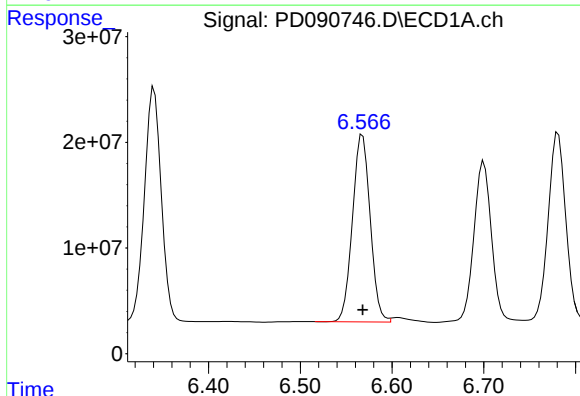
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 281757251
Conc: 48.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



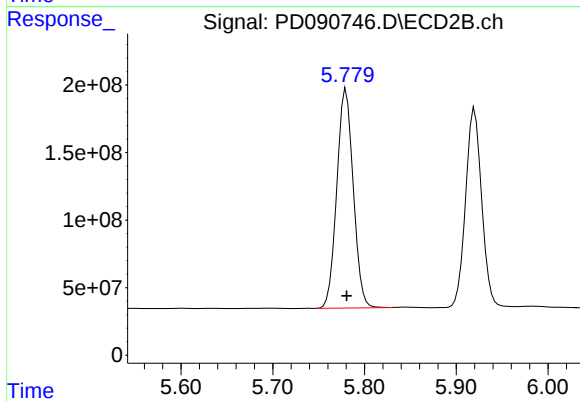
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2162618154
Conc: 48.95 ng/ml



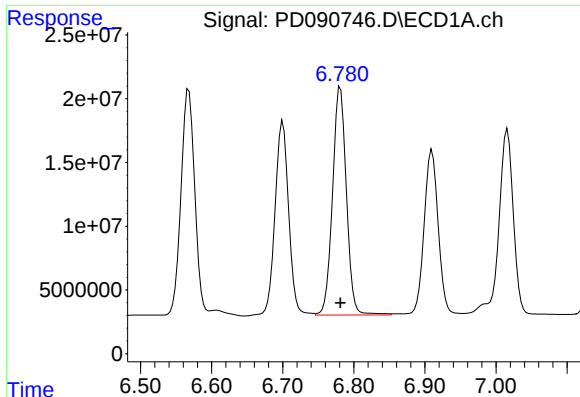
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 238586592
Conc: 48.16 ng/ml



#14 Endrin

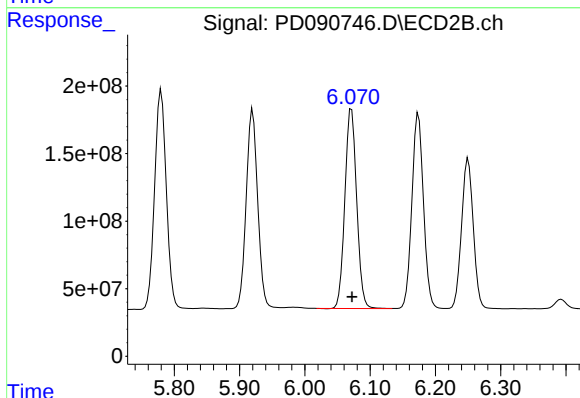
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2023335956
Conc: 49.97 ng/ml



#15 Endosulfan II

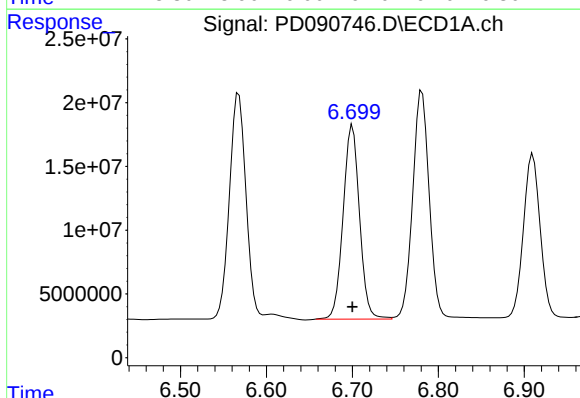
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 242206072
Conc: 48.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



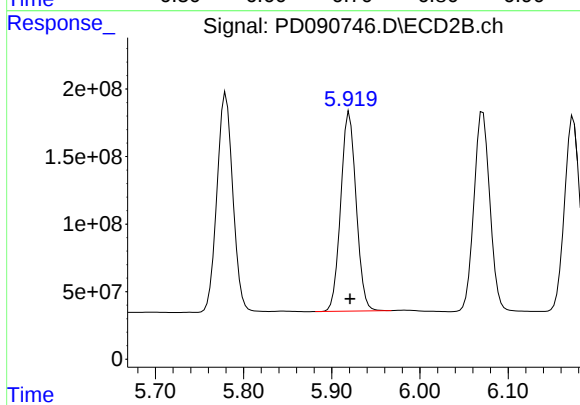
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 1857386632
Conc: 49.46 ng/ml



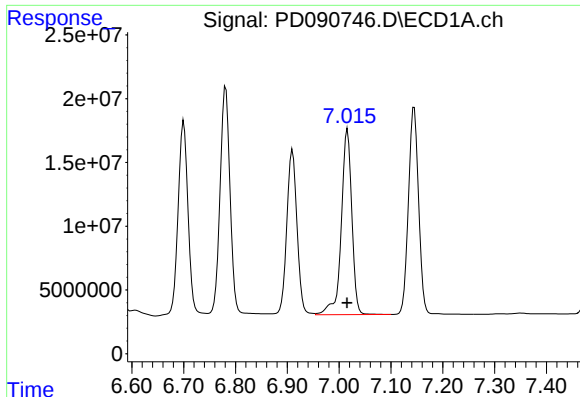
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 202148168
Conc: 49.86 ng/ml



#16 4,4'-DDD

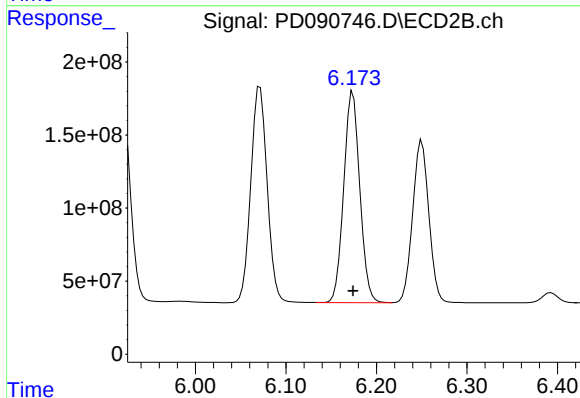
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1792537827
Conc: 49.19 ng/ml



#17 4,4'-DDT

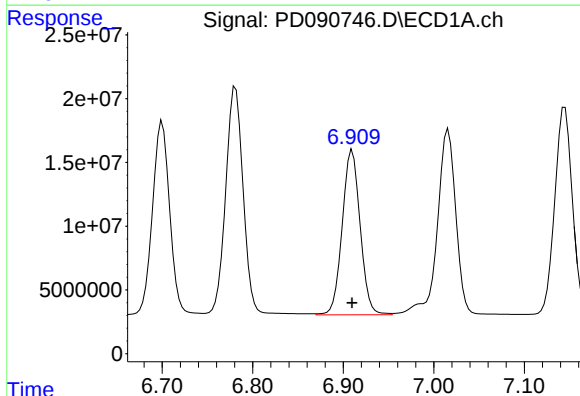
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 205736229
Conc: 50.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



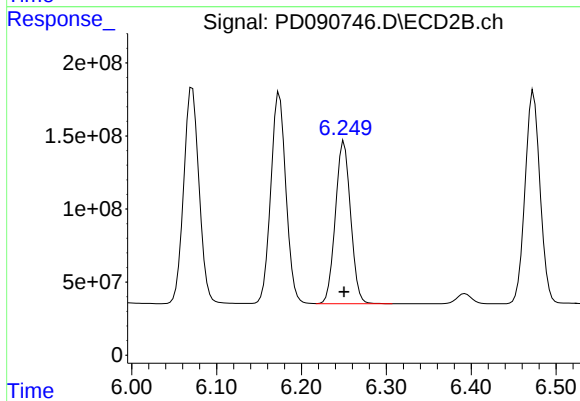
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1784956833
Conc: 50.89 ng/ml



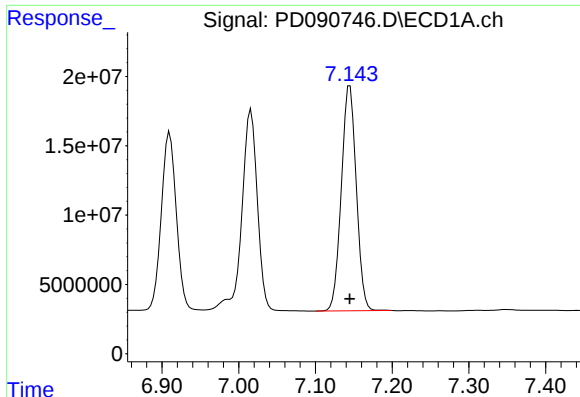
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 177839419
Conc: 48.55 ng/ml



#18 Endrin aldehyde

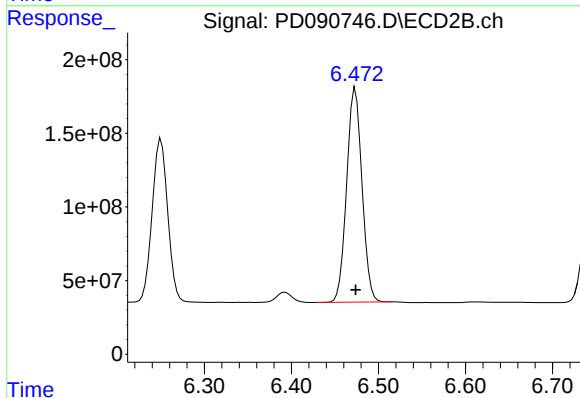
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1385505923
Conc: 50.03 ng/ml



#19 Endosulfan Sulfate

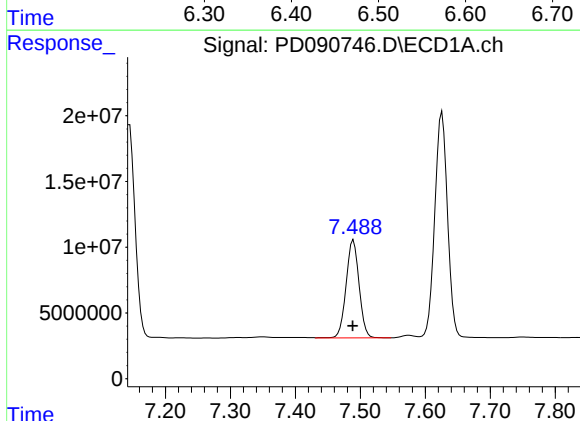
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 220327142
Conc: 47.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



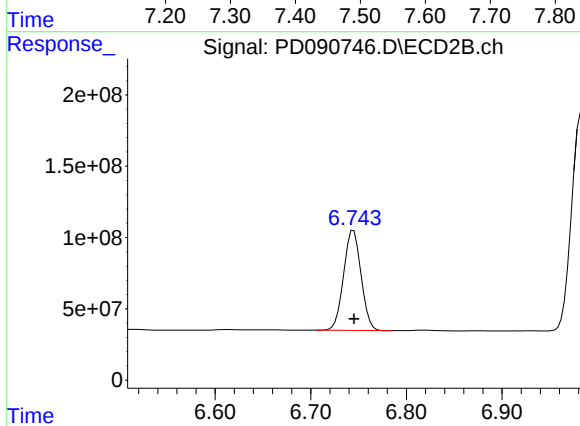
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1779822431
Conc: 49.65 ng/ml



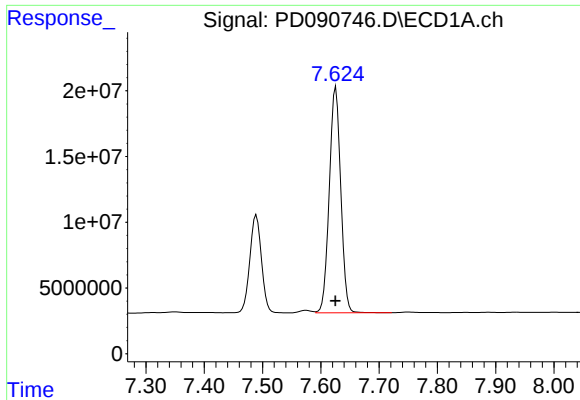
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.001 min
Response: 103452491
Conc: 48.67 ng/ml



#20 Methoxychlor

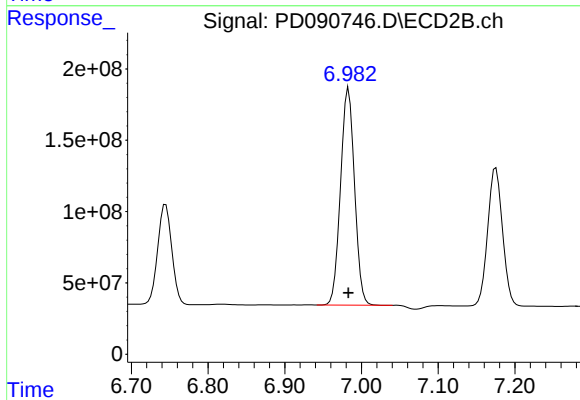
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 892364913
Conc: 51.20 ng/ml



#21 Endrin ketone

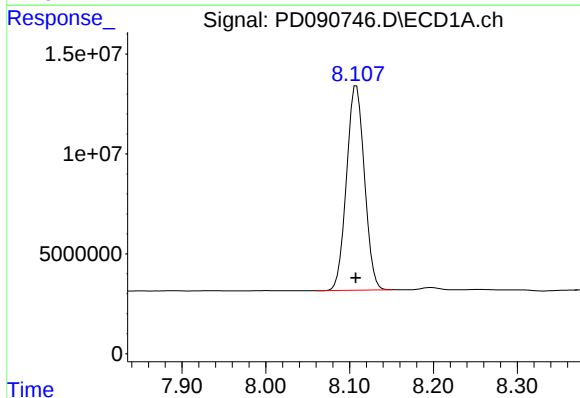
R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 235163557
Conc: 48.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



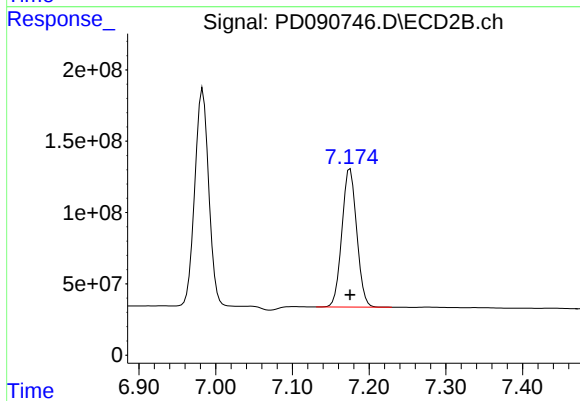
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1930263592
Conc: 51.18 ng/ml



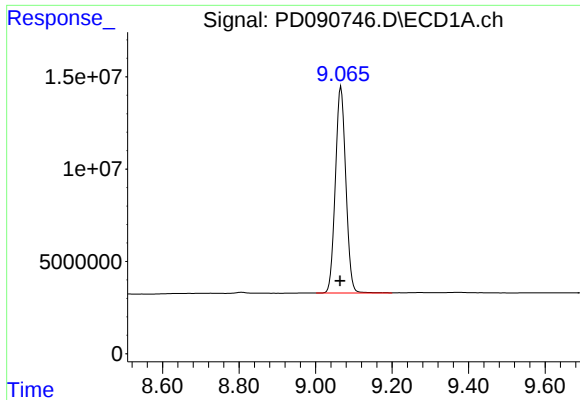
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 152251324
Conc: 47.57 ng/ml



#22 Mirex

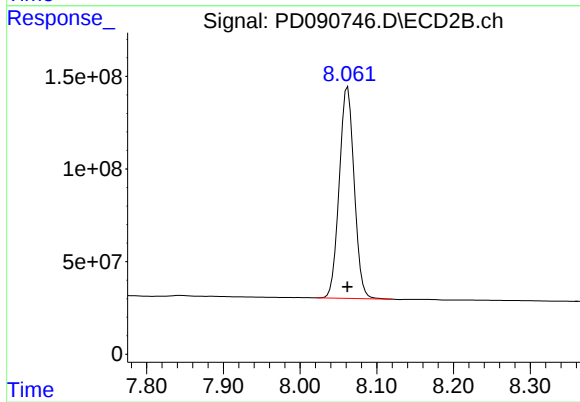
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1301392478
Conc: 50.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 210939384
Conc: 45.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 1545499967
Conc: 51.02 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.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 21:27

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	7.15	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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 21:27

Initial Calibration Time(s): 11:34

12:28

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

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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090751.D **Time Analyzed:** 21:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	50.490	50.000	1.0
4,4'-DDE	6.190	6.090	6.290	46.540	50.000	-6.9
4,4'-DDT	7.016	6.915	7.115	49.330	50.000	-1.3
Aldrin	5.264	5.164	5.364	48.060	50.000	-3.9
alpha-BHC	3.993	3.894	4.094	48.340	50.000	-3.3
alpha-Chlordane	6.020	5.921	6.121	46.160	50.000	-7.7
beta-BHC	4.512	4.412	4.612	46.980	50.000	-6.0
Decachlorobiphenyl	9.065	8.964	9.164	45.130	50.000	-9.7
delta-BHC	4.760	4.660	4.860	47.950	50.000	-4.1
Dieldrin	6.341	6.240	6.440	48.210	50.000	-3.6
Endosulfan I	6.068	5.968	6.168	47.470	50.000	-5.1
Endosulfan II	6.781	6.681	6.881	48.990	50.000	-2.0
Endosulfan sulfate	7.145	7.045	7.245	47.340	50.000	-5.3
Endrin	6.568	6.468	6.668	47.900	50.000	-4.2
Endrin aldehyde	6.910	6.810	7.010	48.510	50.000	-3.0
Endrin ketone	7.625	7.525	7.725	48.510	50.000	-3.0
gamma-BHC (Lindane)	4.324	4.225	4.425	47.820	50.000	-4.4
gamma-Chlordane	5.940	5.840	6.040	47.780	50.000	-4.4
Heptachlor	4.922	4.823	5.023	55.240	50.000	10.5
Heptachlor epoxide	5.684	5.584	5.784	47.710	50.000	-4.6
Methoxychlor	7.489	7.388	7.588	48.000	50.000	-4.0
Tetrachloro-m-xylene	3.544	3.445	3.645	46.360	50.000	-7.3



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090751.D **Time Analyzed:** 21:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	49.610	50.000	-0.8
4,4'-DDE	5.364	5.266	5.466	48.870	50.000	-2.3
4,4'-DDT	6.173	6.074	6.274	50.450	50.000	0.9
Aldrin	4.360	4.261	4.461	48.020	50.000	-4.0
alpha-BHC	3.385	3.287	3.487	47.640	50.000	-4.7
alpha-Chlordane	5.180	5.081	5.281	48.310	50.000	-3.4
beta-BHC	4.018	3.919	4.119	46.920	50.000	-6.2
Decachlorobiphenyl	8.060	7.962	8.162	52.160	50.000	4.3
delta-BHC	4.254	4.155	4.355	47.960	50.000	-4.1
Dieldrin	5.502	5.404	5.604	49.020	50.000	-2.0
Endosulfan I	5.237	5.138	5.338	46.550	50.000	-6.9
Endosulfan II	6.071	5.972	6.172	49.530	50.000	-0.9
Endosulfan sulfate	6.473	6.374	6.574	49.910	50.000	-0.2
Endrin	5.780	5.681	5.881	50.180	50.000	0.4
Endrin aldehyde	6.249	6.150	6.350	50.130	50.000	0.3
Endrin ketone	6.982	6.883	7.083	51.970	50.000	3.9
gamma-BHC (Lindane)	3.722	3.623	3.823	47.660	50.000	-4.7
gamma-Chlordane	5.116	5.017	5.217	48.530	50.000	-2.9
Heptachlor	4.074	3.975	4.175	48.450	50.000	-3.1
Heptachlor epoxide	4.863	4.764	4.964	47.020	50.000	-6.0
Methoxychlor	6.744	6.645	6.845	51.160	50.000	2.3
Tetrachloro-m-xylene	2.873	2.775	2.975	47.050	50.000	-5.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090751.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 21:27
 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 23 13:13:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.873	144.4E6	1401.1E6	46.356	47.054
28)	SA Decachlor...	9.065	8.060	211.1E6	1580.0E6	45.129	52.159
Target Compounds							
2)	A alpha-BHC	3.993	3.385	347.0E6	2434.1E6	48.342	47.637
3)	MA gamma-BHC...	4.324	3.722	325.1E6	2252.0E6	47.821	47.664
4)	MA Heptachlor	4.922	4.074	308.8E6	2160.8E6	55.243	48.445
5)	MB Aldrin	5.264	4.360	314.7E6	2224.4E6	48.064	48.023
6)	B beta-BHC	4.512	4.018	123.1E6	930.4E6	46.975	46.919
7)	B delta-BHC	4.760	4.254	324.2E6	2288.5E6	47.949	47.959
8)	B Heptachlo...	5.684	4.863	276.2E6	2004.9E6	47.710	47.020
9)	A Endosulfan I	6.068	5.237	262.8E6	1833.4E6	47.467	46.545
10)	B gamma-Chl...	5.940	5.116	283.4E6	2181.4E6	47.779	48.530
11)	B alpha-Chl...	6.020	5.180	285.3E6	2083.9E6	46.159	48.309
12)	B 4,4'-DDE	6.190	5.364	247.9E6	2142.4E6	46.537	48.870
13)	MA Dieldrin	6.341	5.502	281.1E6	2166.0E6	48.211	49.023
14)	MA Endrin	6.568	5.780	237.3E6	2032.2E6	47.901	50.184
15)	B Endosulfa...	6.781	6.071	244.9E6	1860.2E6	48.986	49.532
16)	A 4,4'-DDD	6.700	5.920	204.7E6	1807.7E6	50.495	49.610
17)	MA 4,4'-DDT	7.016	6.173	202.8E6	1769.3E6	49.331	50.446
18)	B Endrin al...	6.910	6.249	177.7E6	1388.3E6	48.508	50.134
19)	B Endosulfa...	7.145	6.473	219.5E6	1788.9E6	47.335	49.907
20)	A Methoxychlor	7.489	6.744	102.0E6	891.6E6	48.003	51.162
21)	B Endrin ke...	7.625	6.982	235.7E6	1960.1E6	48.512	51.968
22)	Mirex	8.107	7.175	152.3E6	1321.4E6	47.576	51.435

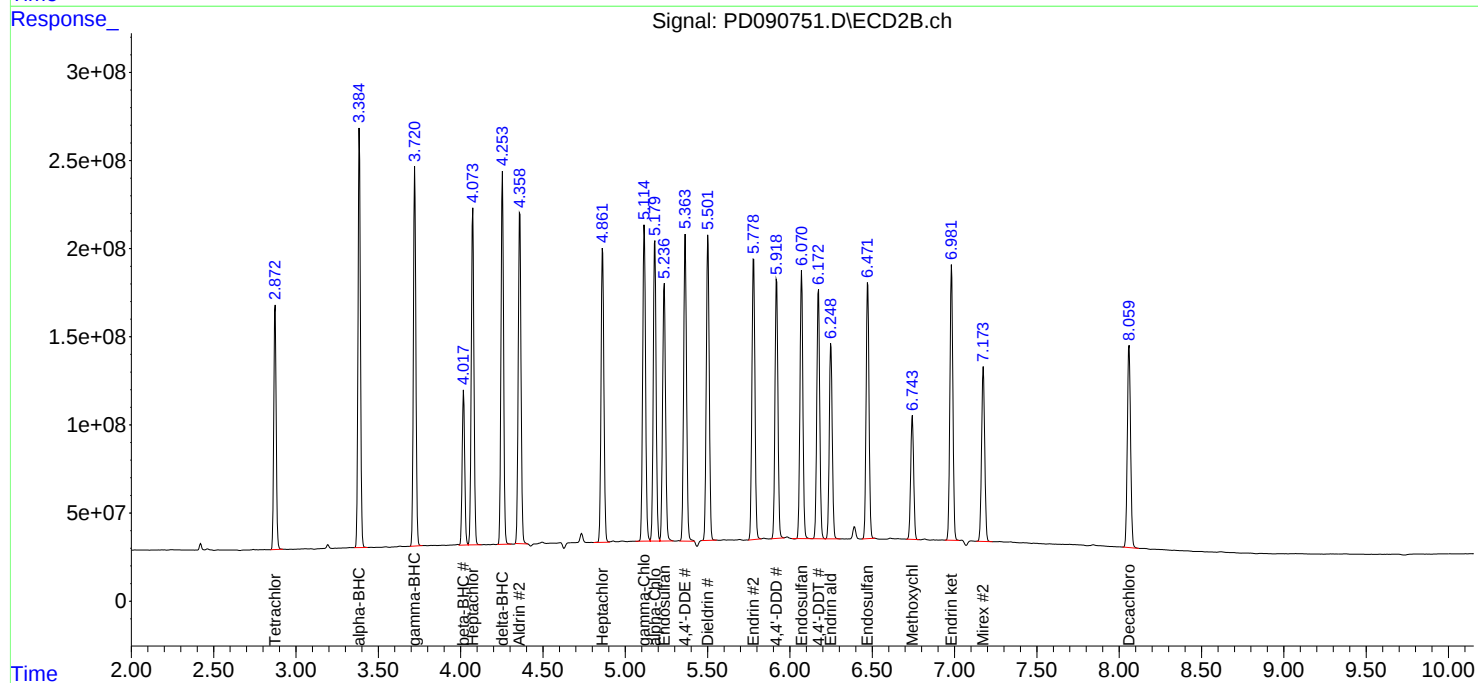
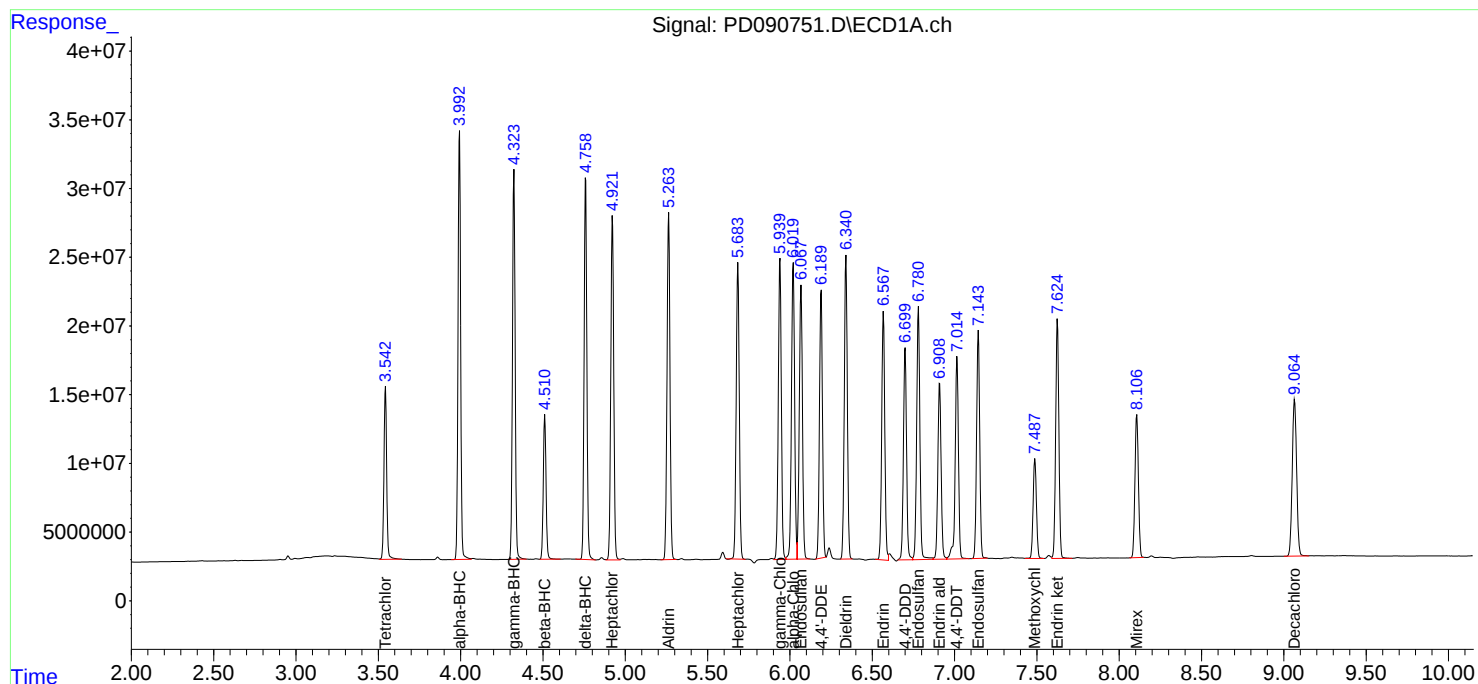
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

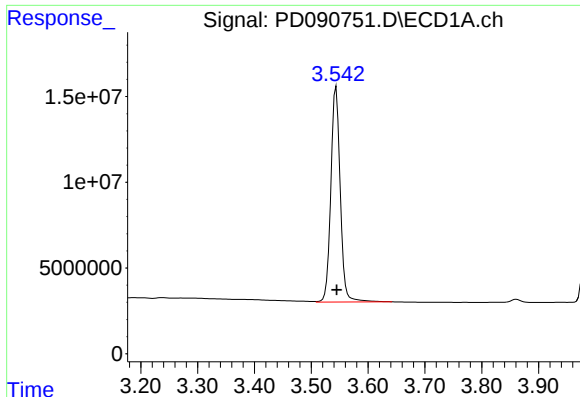
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090751.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 21:27
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:13:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

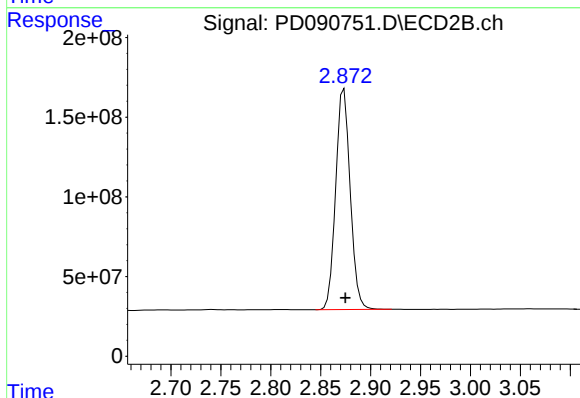




#1 Tetrachloro-m-xylene

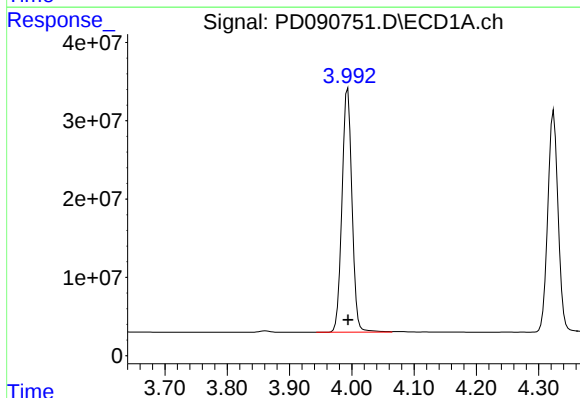
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 144361044
Conc: 46.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



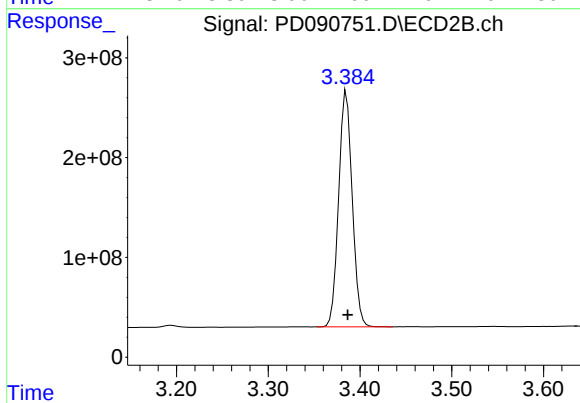
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 1401145318
Conc: 47.05 ng/ml



#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 346955463
Conc: 48.34 ng/ml



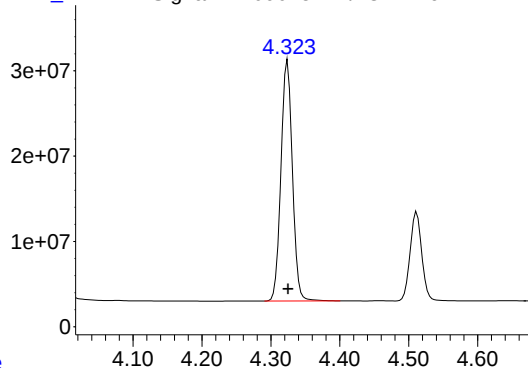
#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2434070331
Conc: 47.64 ng/ml

Response_

Signal: PD090751.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 325126325
Conc: 47.82 ng/ml

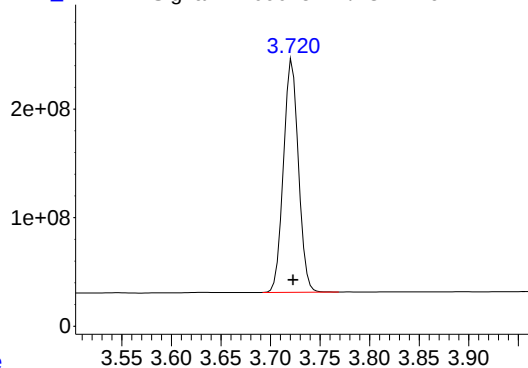
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time

Response_

Signal: PD090751.D\ECD2B.ch

#3 gamma-BHC (Lindane)



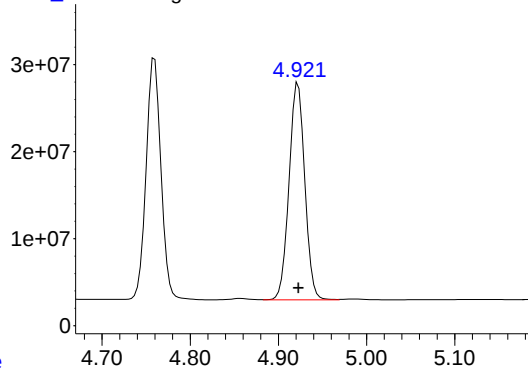
R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2252046912
Conc: 47.66 ng/ml

Time

Response_

Signal: PD090751.D\ECD1A.ch

#4 Heptachlor



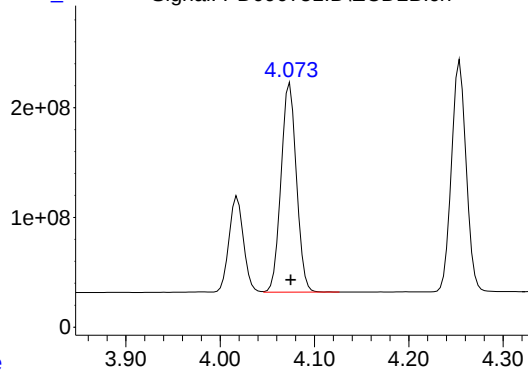
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 308786203
Conc: 55.24 ng/ml

Time

Response_

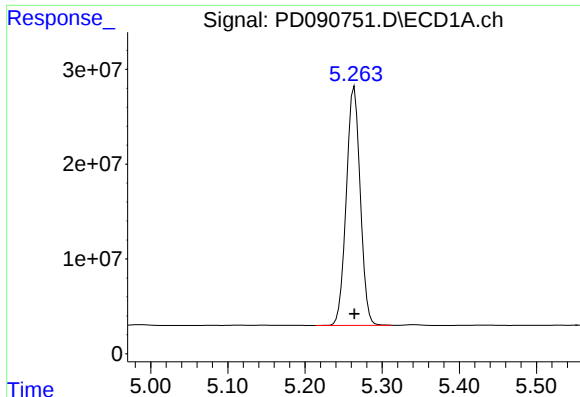
Signal: PD090751.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 2160792859
Conc: 48.45 ng/ml

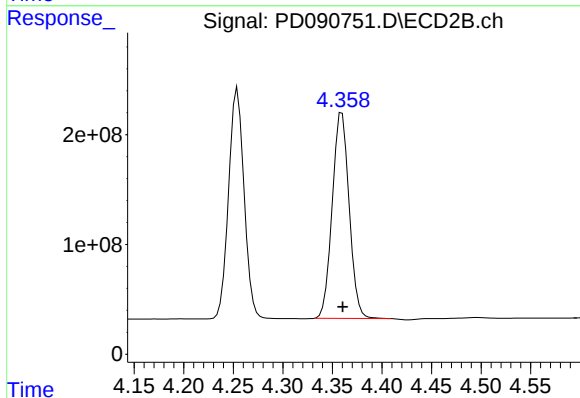
Time



#5 Aldrin

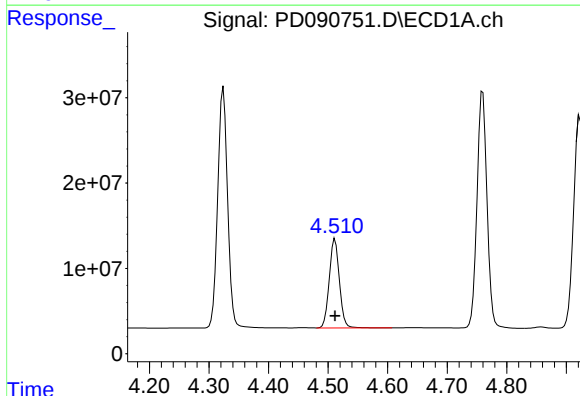
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 314691171
Conc: 48.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



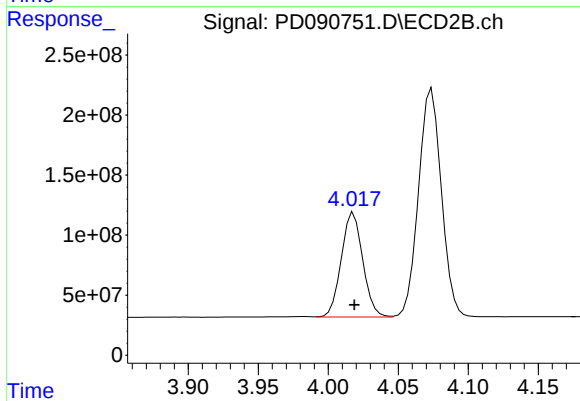
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2224358492
Conc: 48.02 ng/ml



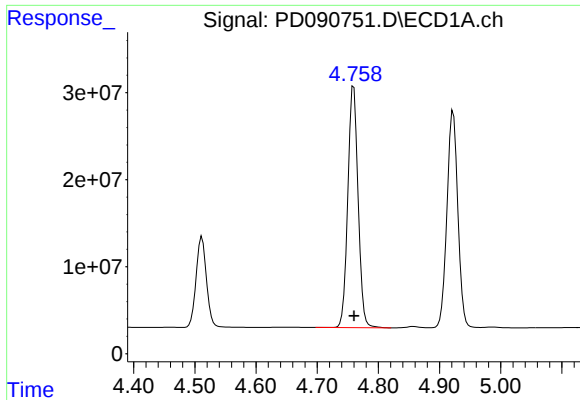
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 123057531
Conc: 46.98 ng/ml



#6 beta-BHC

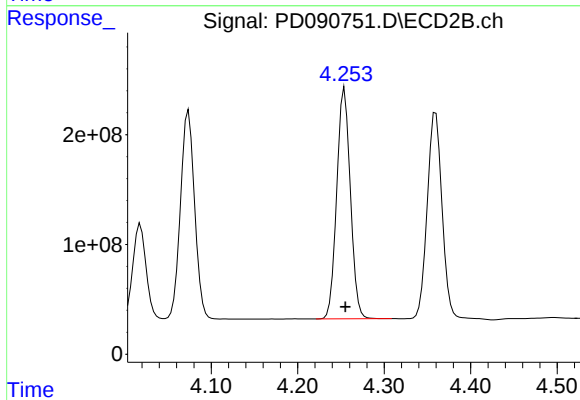
R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 930383348
Conc: 46.92 ng/ml



#7 delta-BHC

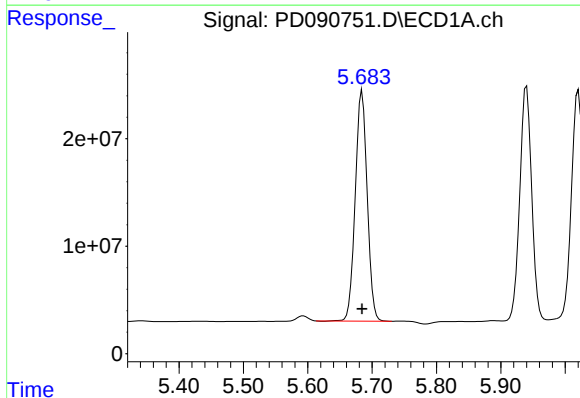
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 324215960
Conc: 47.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



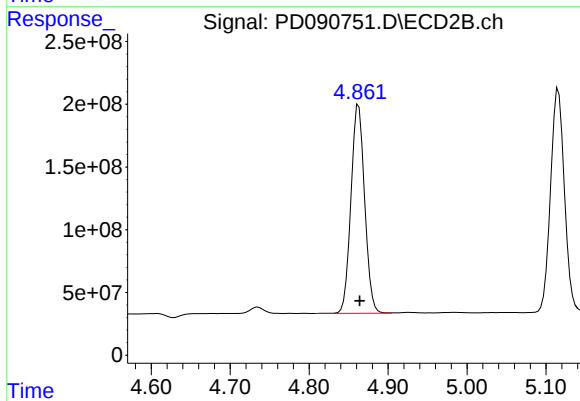
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 2288457896
Conc: 47.96 ng/ml



#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 276197460
Conc: 47.71 ng/ml



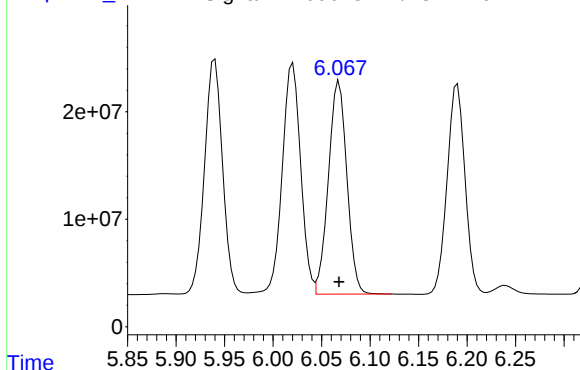
#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.001 min
Response: 2004872041
Conc: 47.02 ng/ml

Response_

Signal: PD090751.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 262810339
Conc: 47.47 ng/ml

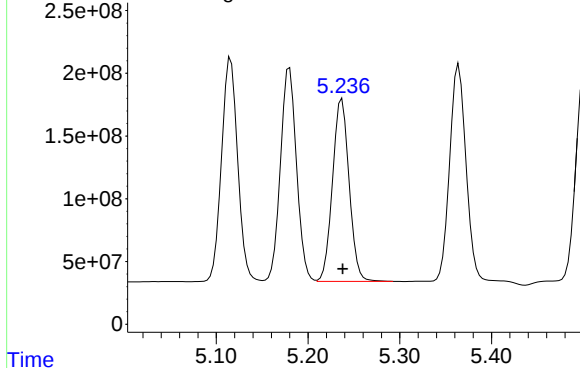
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Time

Response_

Signal: PD090751.D\ECD2B.ch

#9 Endosulfan I



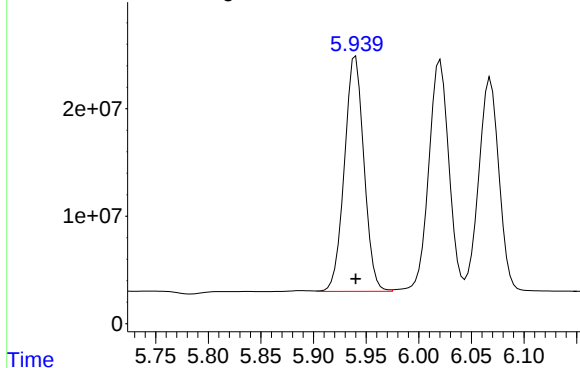
R.T.: 5.237 min
Delta R.T.: -0.001 min
Response: 1833430719
Conc: 46.55 ng/ml

Time

Response_

Signal: PD090751.D\ECD1A.ch

#10 gamma-Chlordane



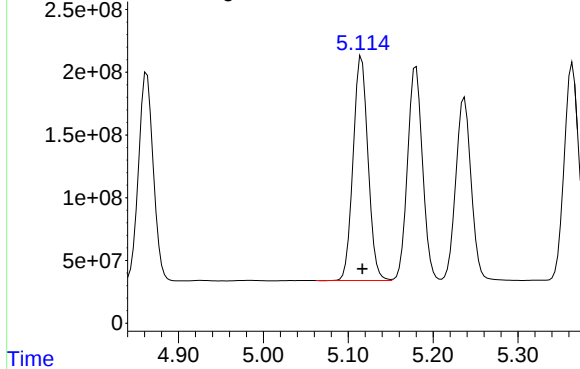
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 283388362
Conc: 47.78 ng/ml

Time

Response_

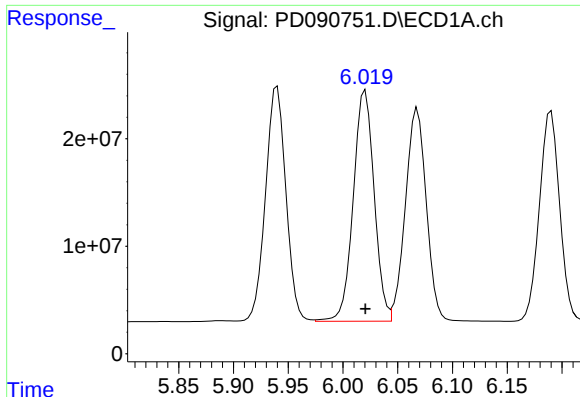
Signal: PD090751.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 2181368802
Conc: 48.53 ng/ml

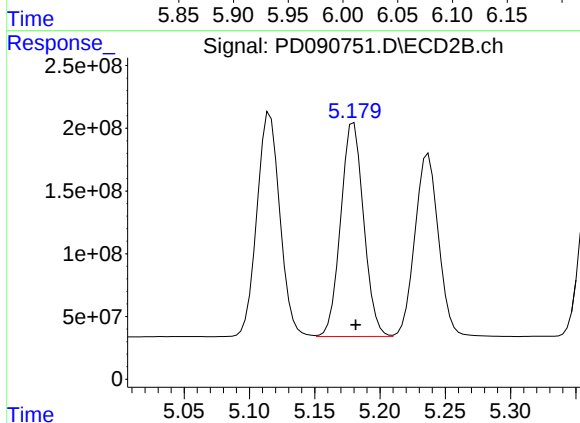
Time



#11 alpha-Chlordane

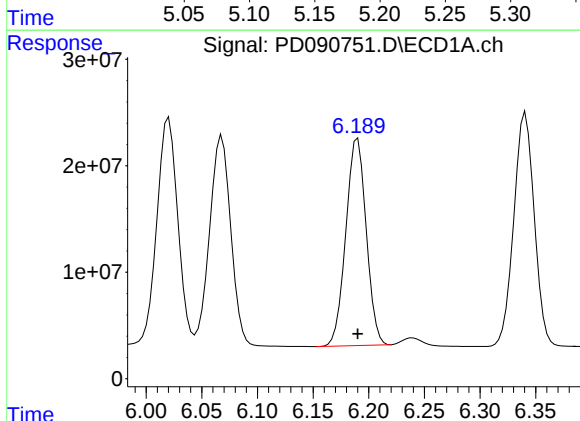
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 285274865
Conc: 46.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



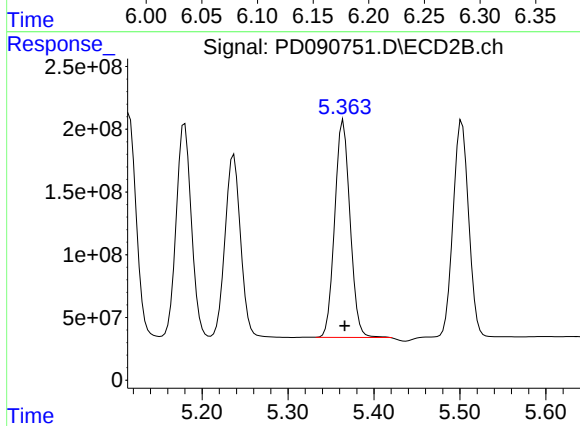
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.002 min
Response: 2083945526
Conc: 48.31 ng/ml



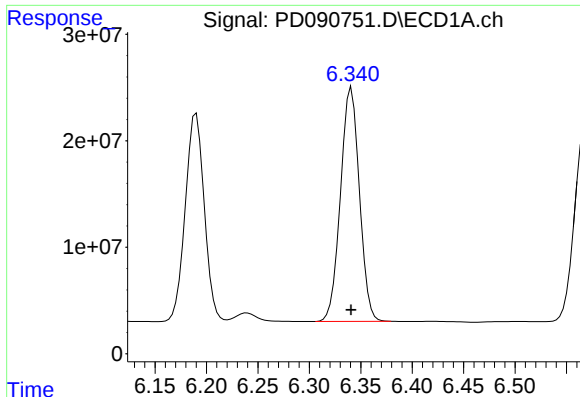
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 247885353
Conc: 46.54 ng/ml



#12 4,4'-DDE

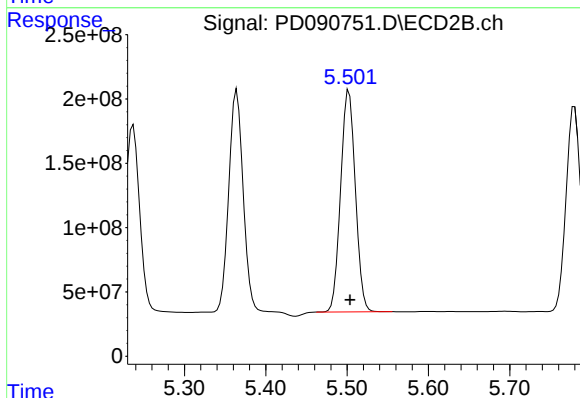
R.T.: 5.364 min
Delta R.T.: -0.001 min
Response: 2142354464
Conc: 48.87 ng/ml



#13 Dieldrin

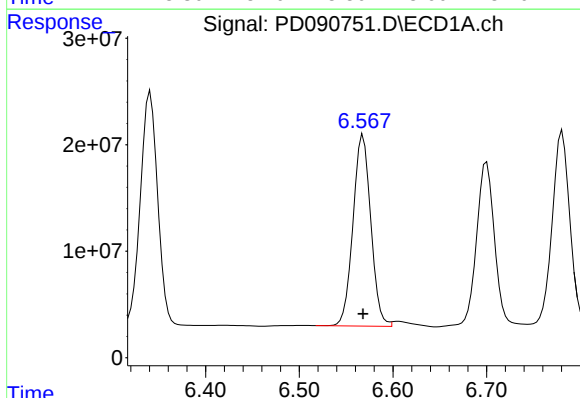
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 281132909
Conc: 48.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



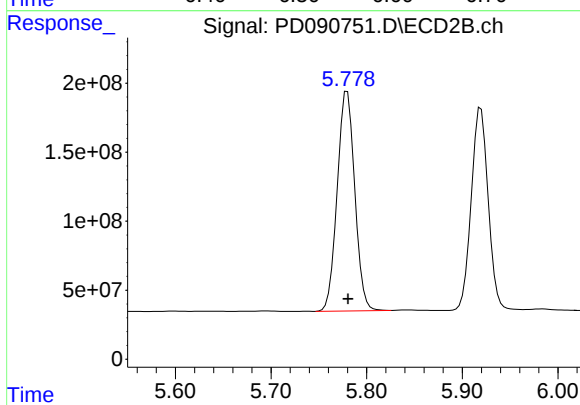
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2166024930
Conc: 49.02 ng/ml



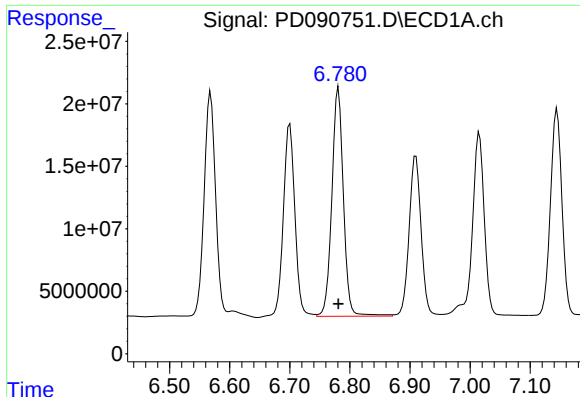
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 237287275
Conc: 47.90 ng/ml



#14 Endrin

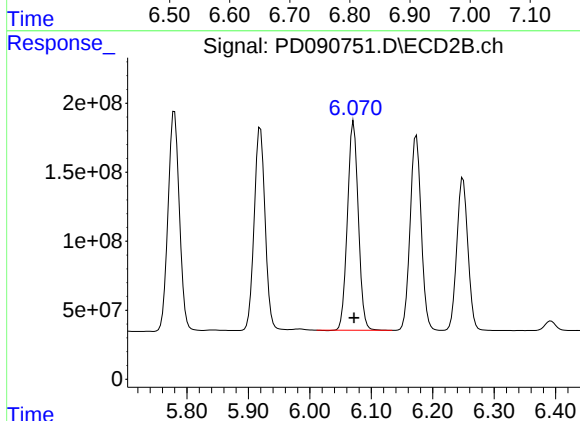
R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2032158105
Conc: 50.18 ng/ml



#15 Endosulfan II

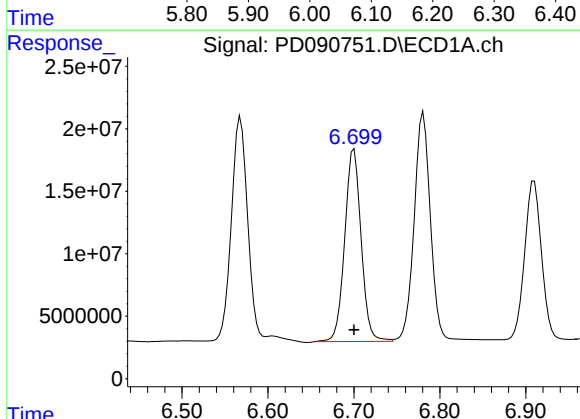
R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 244929245
Conc: 48.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



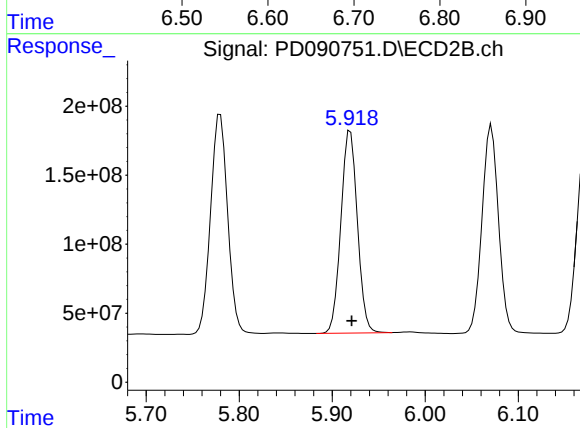
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 1860180062
Conc: 49.53 ng/ml



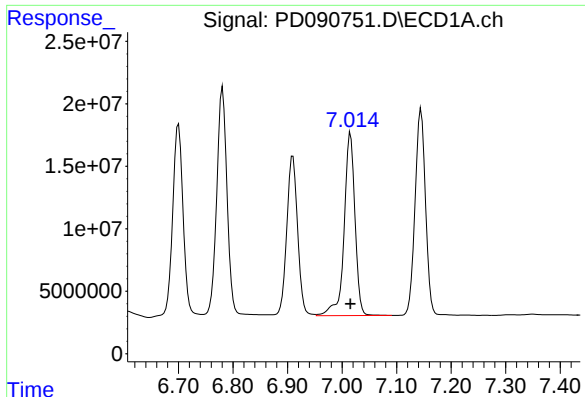
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 204716235
Conc: 50.49 ng/ml



#16 4,4'-DDD

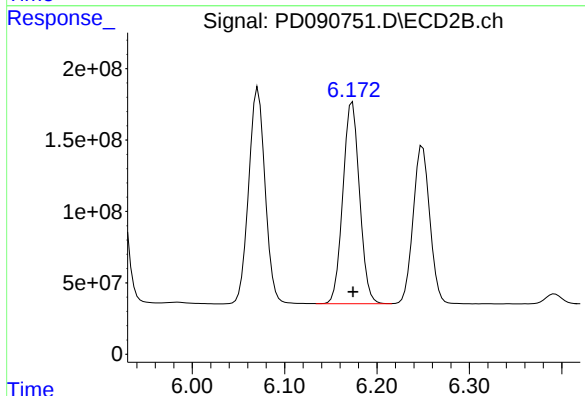
R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 1807685644
Conc: 49.61 ng/ml



#17 4,4'-DDT

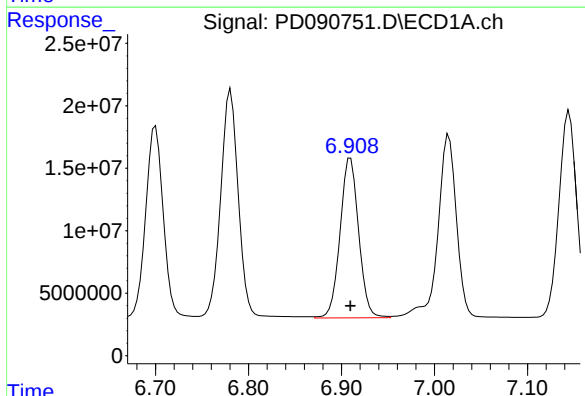
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 202774891
Conc: 49.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



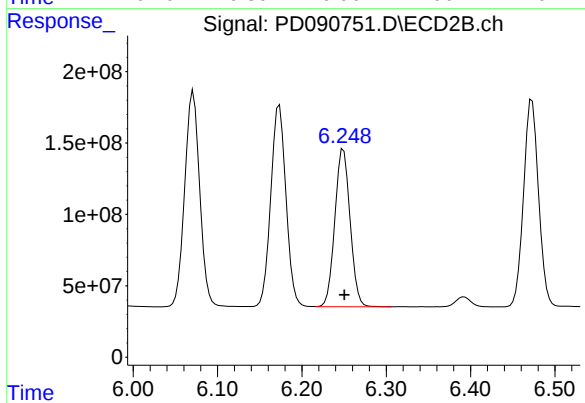
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1769312597
Conc: 50.45 ng/ml



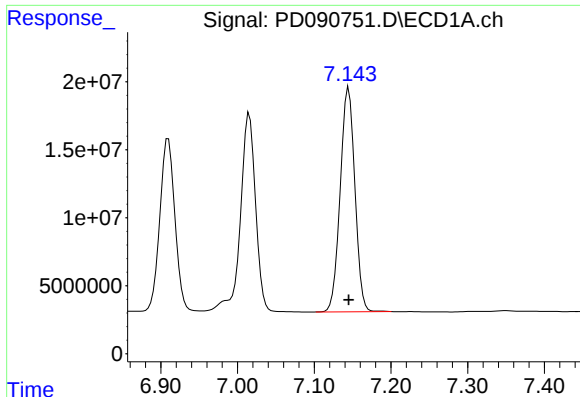
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 177668870
Conc: 48.51 ng/ml



#18 Endrin aldehyde

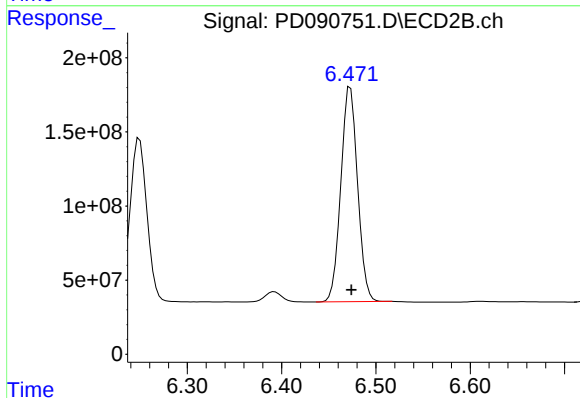
R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1388349982
Conc: 50.13 ng/ml



#19 Endosulfan Sulfate

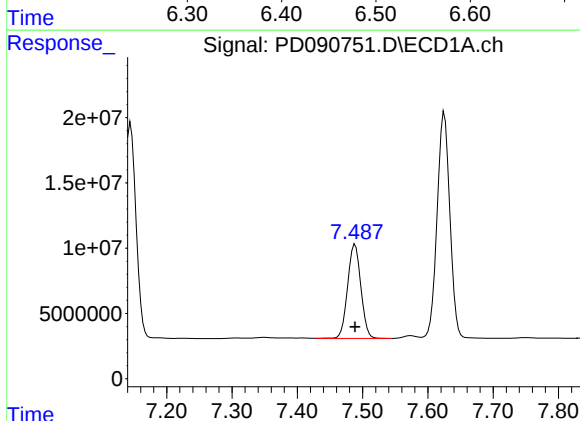
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 219548945
Conc: 47.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



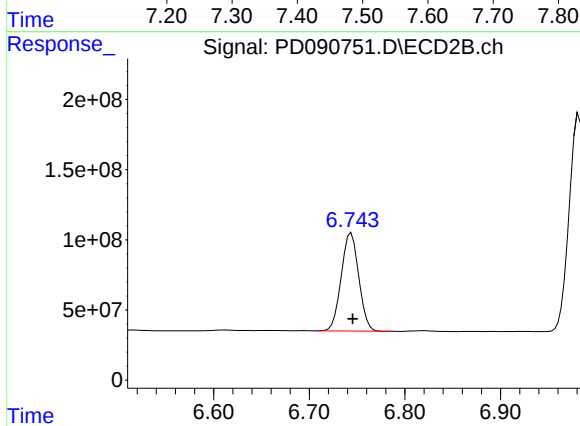
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1788925752
Conc: 49.91 ng/ml



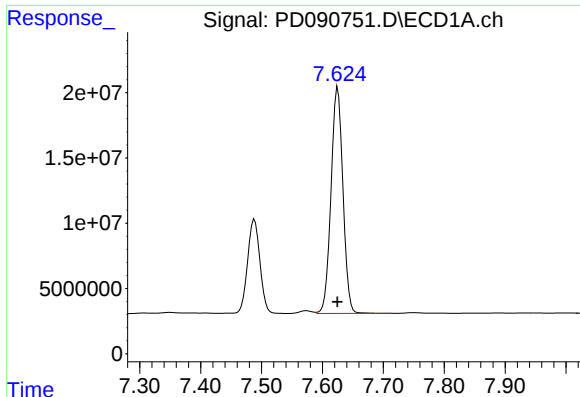
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 102035345
Conc: 48.00 ng/ml



#20 Methoxychlor

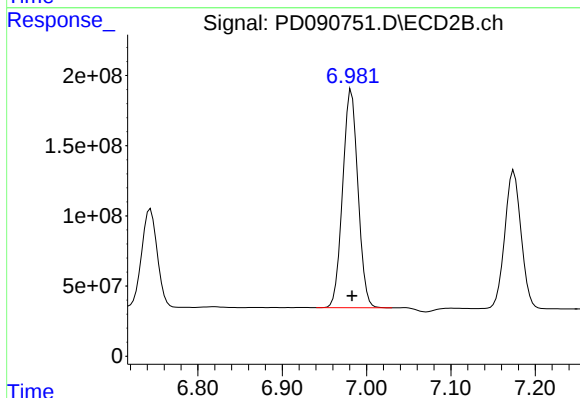
R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 891644240
Conc: 51.16 ng/ml



#21 Endrin ketone

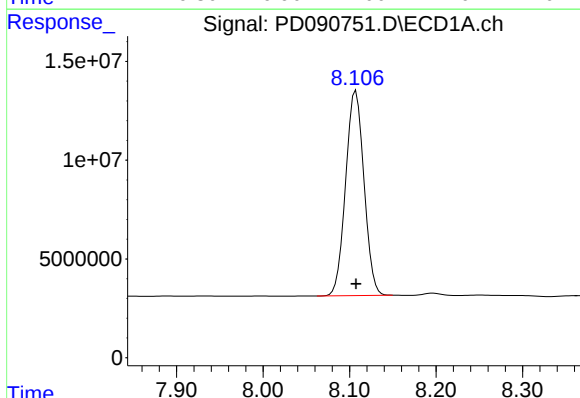
R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 235713819
Conc: 48.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



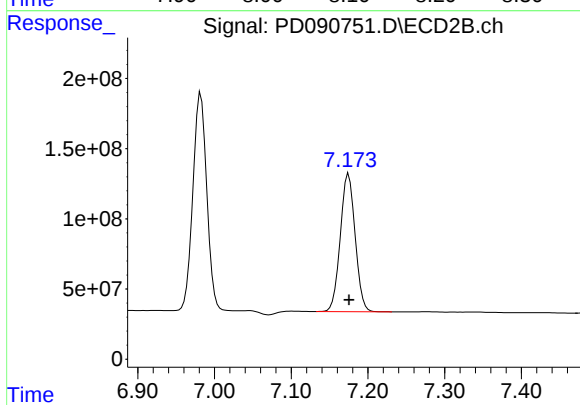
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1960121659
Conc: 51.97 ng/ml



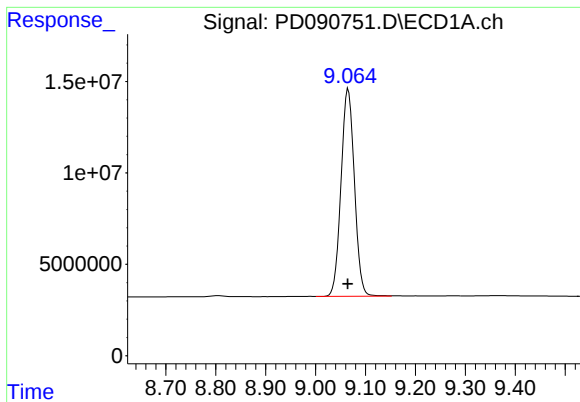
#22 Mirex

R.T.: 8.107 min
Delta R.T.: 0.000 min
Response: 152282337
Conc: 47.58 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1321407726
Conc: 51.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min

Delta R.T.: 0.001 min

Response: 211113987

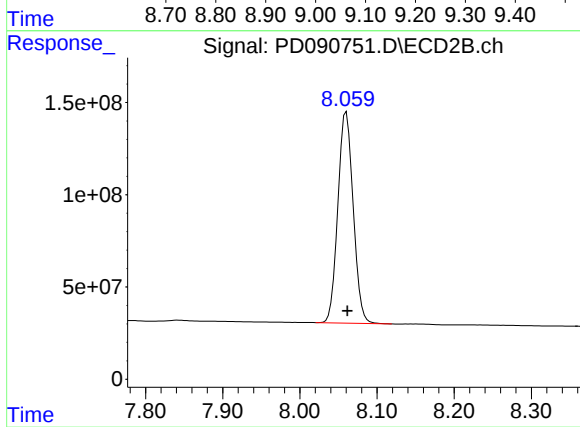
Conc: 45.13 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min

Delta R.T.: -0.002 min

Response: 1579958077

Conc: 52.16 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

PEM
 Data File: PD090648.D Date Acquired 10/17/2025 11:07
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	243728295.7	249054181.9	5325886.17	2.14
Endrin aldehyde	6.91	1372426.584			
Endrin ketone	7.63	3953459.588			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1941282940	1991060515	49777575.7	2.50
Endrin aldehyde #2	6.25	19940698.04			
Endrin ketone #2	6.98	29836877.65			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	412144601.3	415215115.8	3070514.5	0.74
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3070514.503			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3355351424	3394188860	38837436.1	1.14
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	38837436.09			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:07
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 14:04:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.875	67593250	632.0E6	21.705	21.224
28)	SA Decachlor...	9.066	8.062	106.9E6	648.1E6	22.859	21.395
Target Compounds							
2)	A alpha-BHC	3.994	3.386	64971308	526.5E6	9.053	10.304
3)	MA gamma-BHC...	4.324	3.723	63399907	488.4E6	9.325	10.337
6)	B beta-BHC	4.512	4.019	26386693	207.4E6	10.073	10.459
14)	MA Endrin	6.568	5.781	243.7E6	1941.3E6	49.201	47.940
16)	A 4,4'-DDD	6.701	5.923	3070515	38837436	0.757	1.066 #
17)	MA 4,4'-DDT	7.016	6.174	412.1E6	3355.4E6	100.267	95.667
18)	B Endrin al...	6.913	6.248	1372427	19940698	0.375m	0.720 #
20)	A Methoxychlor	7.489	6.745	503.3E6	3517.5E6	236.805	201.834
21)	B Endrin ke...	7.625	6.981	3953460	29836878	0.814	0.791m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:07
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

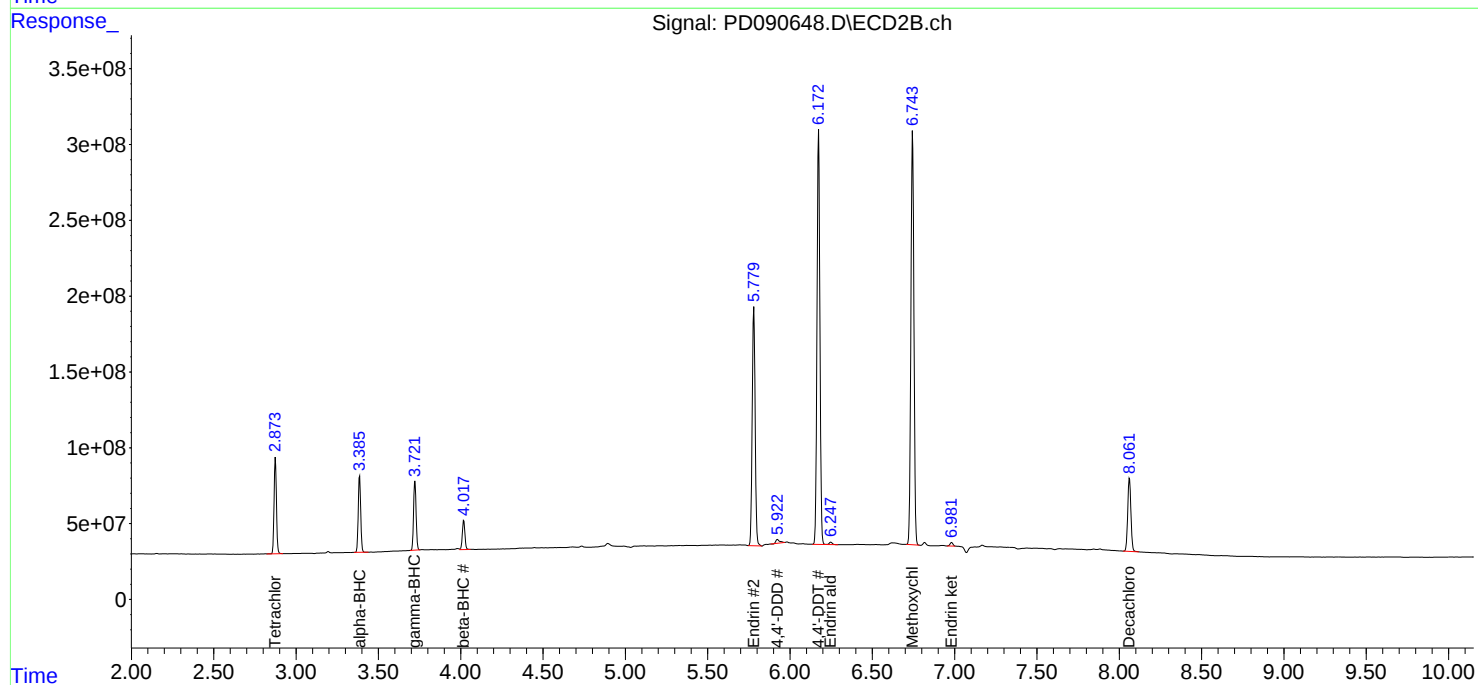
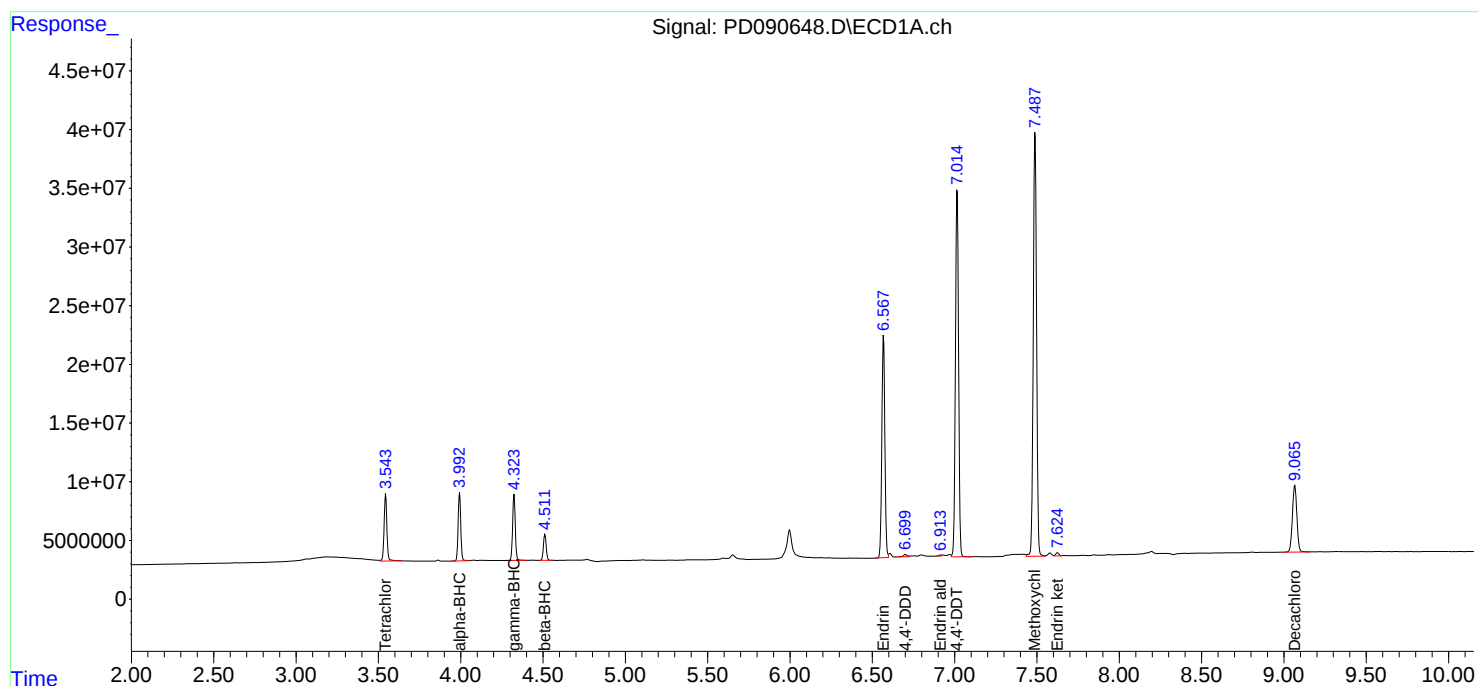
Instrument :
ECD_D
ClientSampleId :
PEM

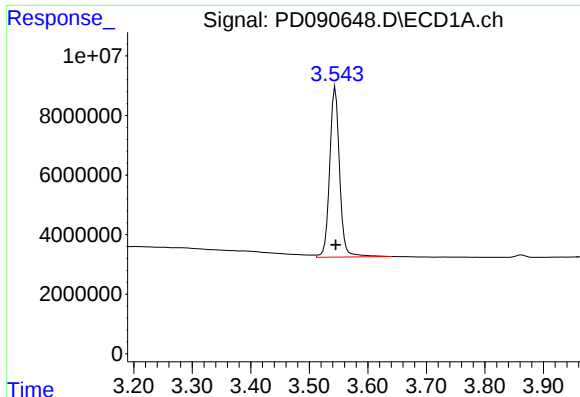
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





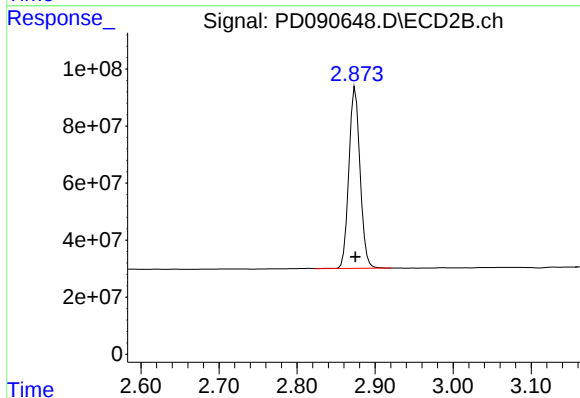
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 67593250
Conc: 21.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

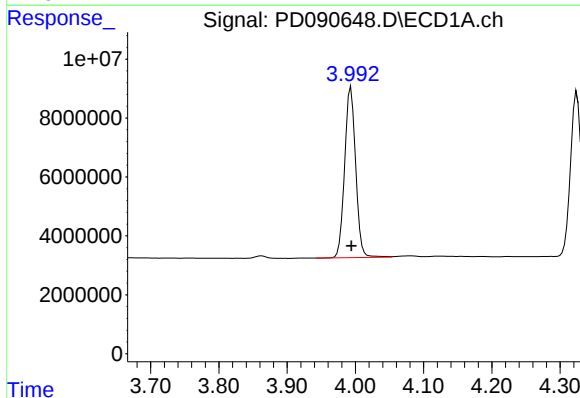
Manual Integrations
APPROVED

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



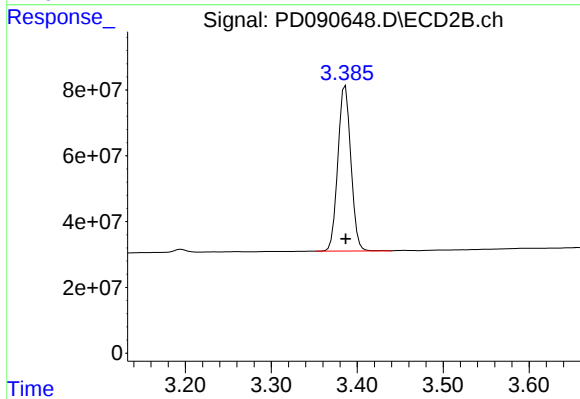
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 631992202
Conc: 21.22 ng/ml



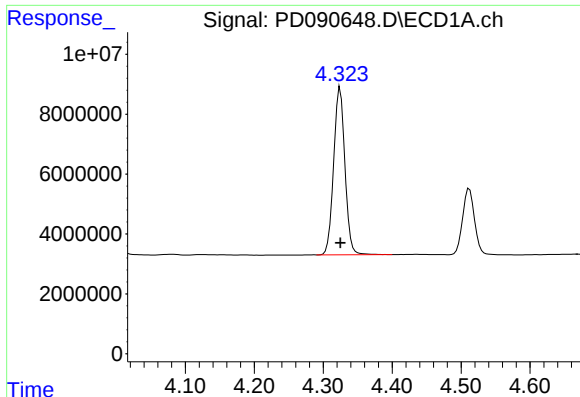
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 64971308
Conc: 9.05 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 526499291
Conc: 10.30 ng/ml



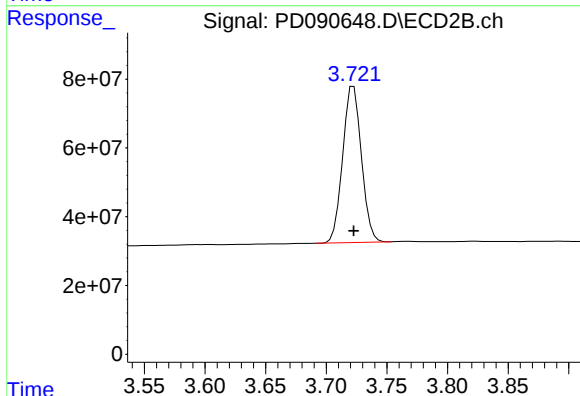
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 63399907
Conc: 9.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

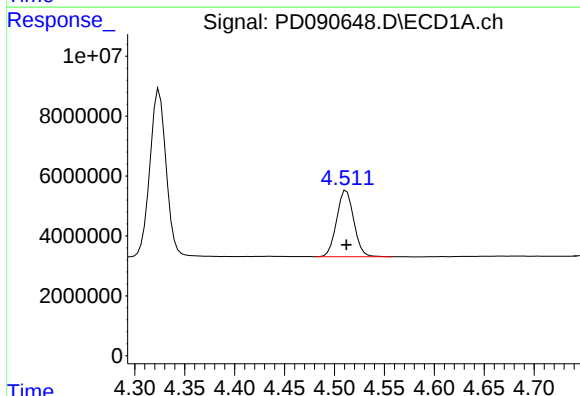
Manual Integrations
APPROVED

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



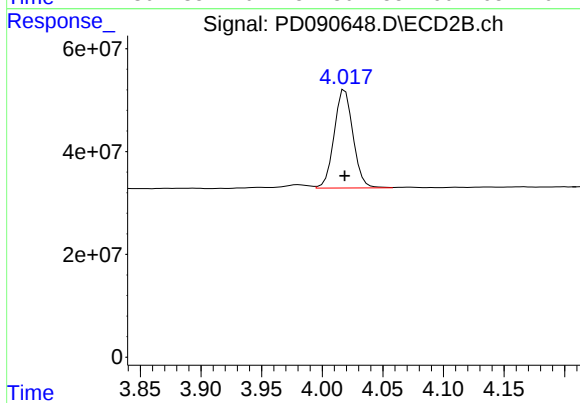
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 488402734
Conc: 10.34 ng/ml



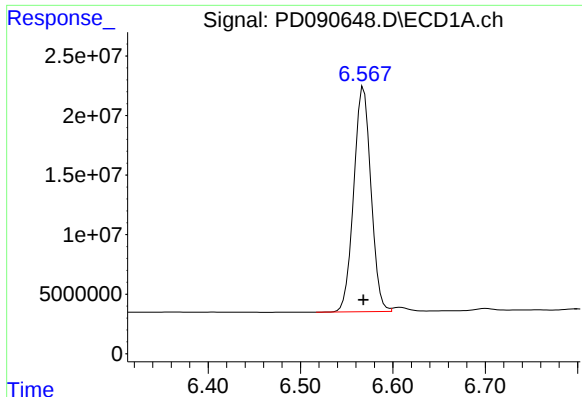
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 26386693
Conc: 10.07 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 207399327
Conc: 10.46 ng/ml



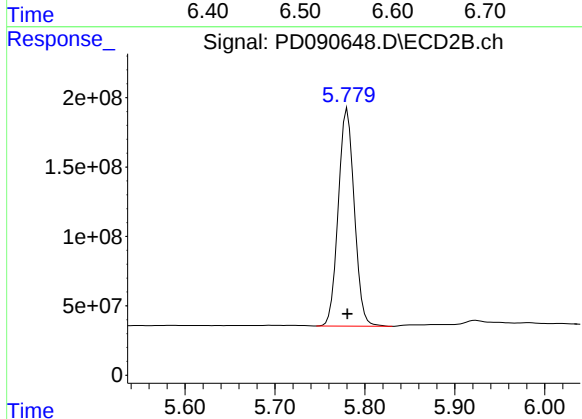
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 243728296
Conc: 49.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

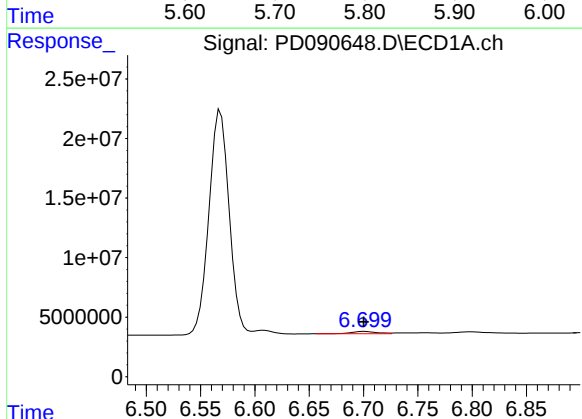
Manual Integrations
APPROVED

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



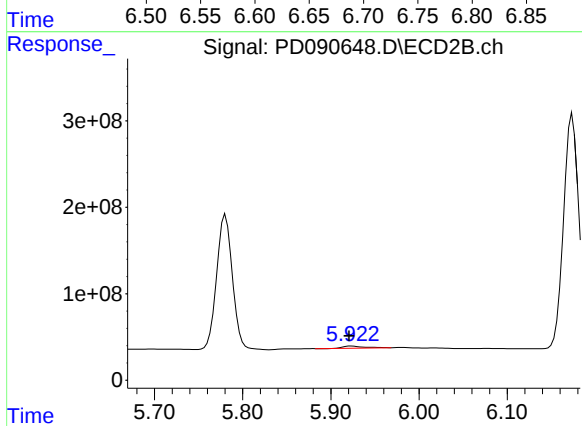
#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1941282940
Conc: 47.94 ng/ml



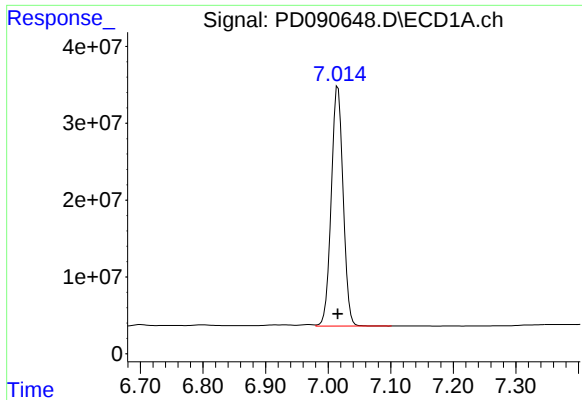
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 3070515
Conc: 0.76 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.003 min
Response: 38837436
Conc: 1.07 ng/ml



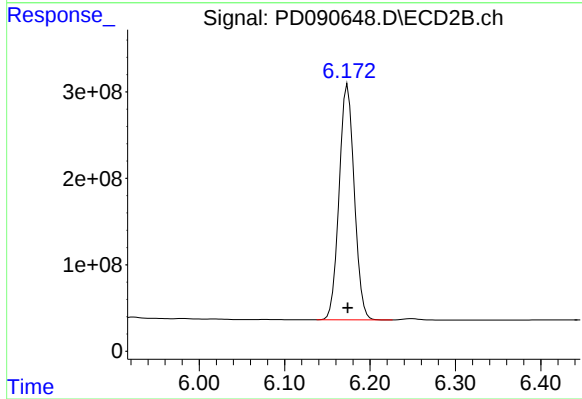
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 412144601
Conc: 100.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

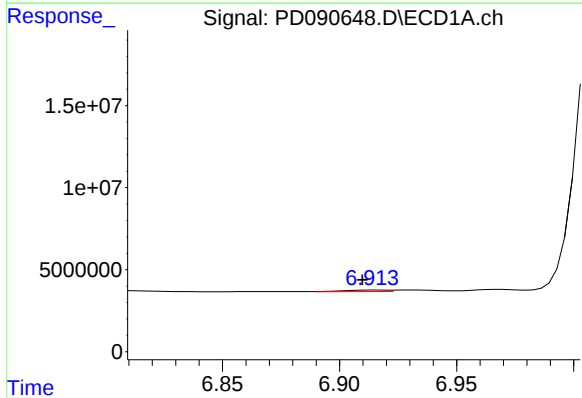
Manual Integrations
APPROVED

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



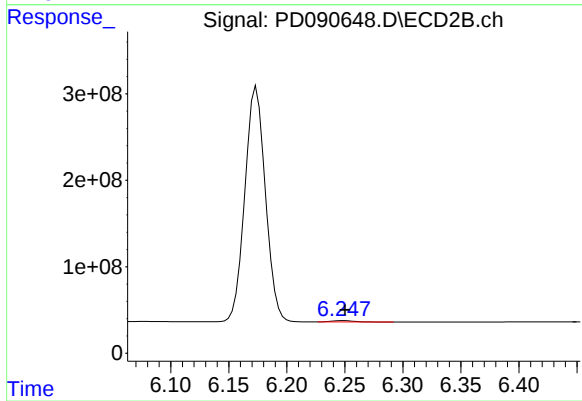
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3355351424
Conc: 95.67 ng/ml



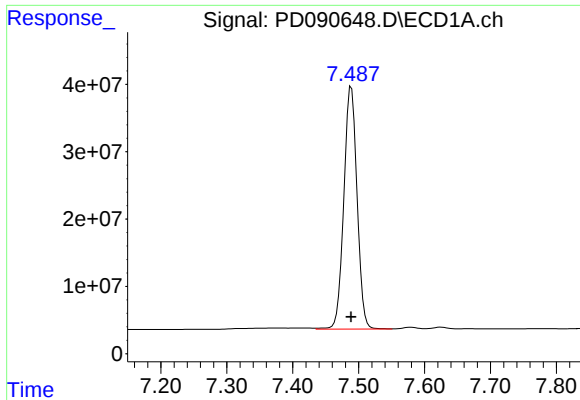
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.003 min
Response: 1372427
Conc: 0.37 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 19940698
Conc: 0.72 ng/ml



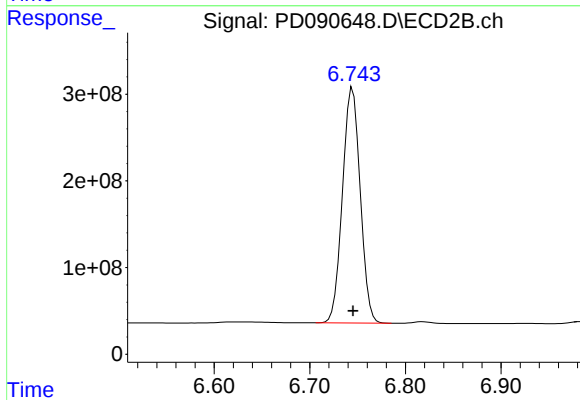
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 503349948
Conc: 236.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

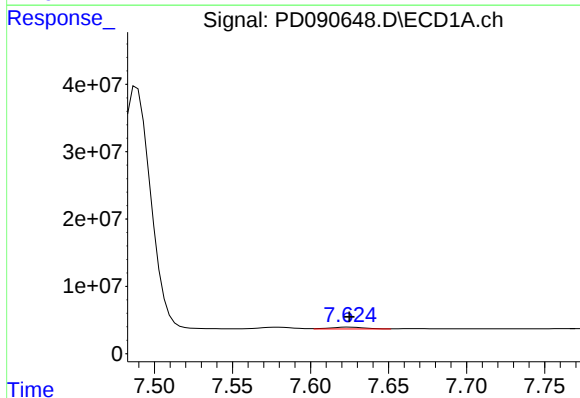
Manual Integrations
APPROVED

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



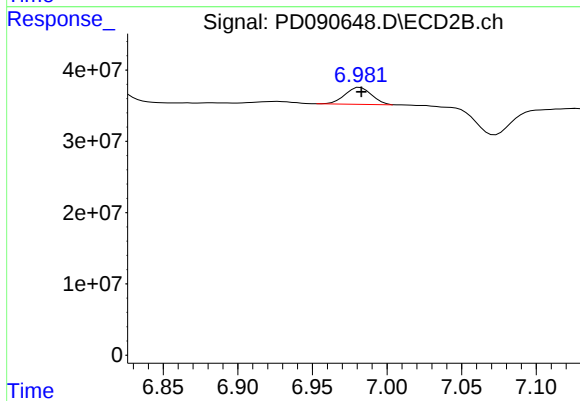
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3517519034
Conc: 201.83 ng/ml



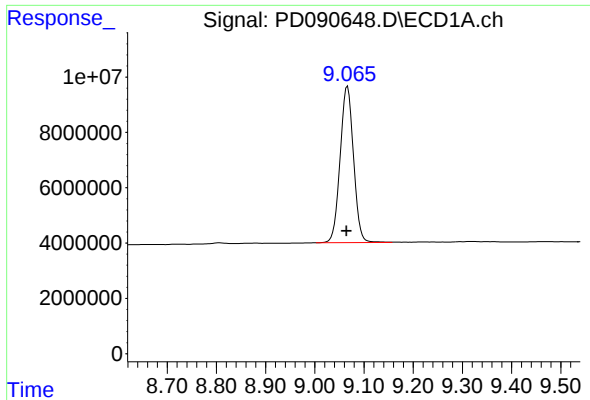
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 3953460
Conc: 0.81 ng/ml



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 29836878
Conc: 0.79 ng/ml m



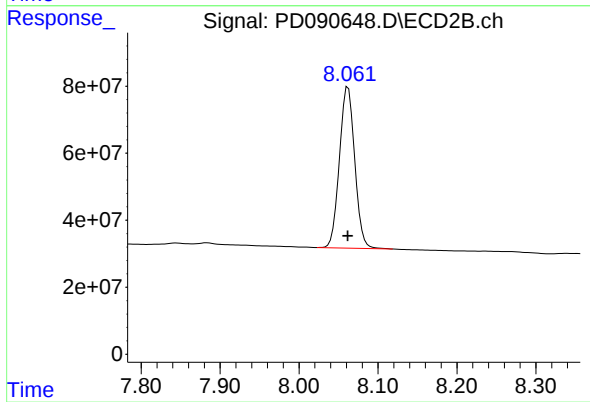
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 106933782
Conc: 22.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 648085268
Conc: 21.40 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090723.D Date Analyzed: 10/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:58

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.067	8.970	9.170	22.510	20.000	12.6
Tetrachloro-m-xylene	3.545	3.490	3.600	23.300	20.000	16.5
alpha-BHC	3.994	3.940	4.040	9.920	10.000	-0.8
beta-BHC	4.512	4.460	4.560	11.380	10.000	13.8
gamma-BHC (Lindane)	4.325	4.270	4.380	10.370	10.000	3.7
Endrin	6.569	6.500	6.640	56.280	50.000	12.6
4,4'-DDT	7.017	6.950	7.090	113.550	100.000	13.6
Methoxychlor	7.490	7.420	7.560	259.780	250.000	3.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090723.D Date Analyzed: 10/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:58

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.061	7.960	8.160	24.270	20.000	21.4
Tetrachloro-m-xylene	2.873	2.820	2.920	23.630	20.000	18.2
alpha-BHC	3.385	3.330	3.440	11.580	10.000	15.8
beta-BHC	4.018	3.970	4.070	11.390	10.000	13.9
gamma-BHC (Lindane)	3.721	3.670	3.770	11.700	10.000	17.0
Endrin	5.779	5.710	5.850	54.950	50.000	9.9
4,4'-DDT	6.173	6.100	6.240	112.860	100.000	12.9
Methoxychlor	6.744	6.670	6.810	229.670	250.000	-8.1

Data File: PEM
 PD090723.D Date Acquired 10/21/2025 9:58
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	278779013.8	285387057.6	6608043.78	2.32
Endrin aldehyde	6.91	1752731.602			
Endrin ketone	7.63	4855312.179			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	2225293455	2285694149	60400694.1	2.64
Endrin aldehyde #2	6.25	20325668.62			
Endrin ketone #2	6.98	40075025.47			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	466756116.1	471579480.6	4823364.44	1.02
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	4823364.443			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3958226308	4017898805	59672496.9	1.49
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	59672496.87			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090723.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 09:58
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:19:51 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	72548570	703.7E6	23.296	23.631
28)	SA Decachlor...	9.067	8.061	105.3E6	735.1E6	22.513	24.266
Target Compounds							
2)	A alpha-BHC	3.994	3.385	71227660	591.6E6	9.924	11.578
3)	MA gamma-BHC...	4.325	3.721	70513859	552.7E6	10.371	11.698
6)	B beta-BHC	4.512	4.018	29806124	225.8E6	11.378	11.389
14)	MA Endrin	6.569	5.779	278.8E6	2225.3E6	56.277	54.954
16)	A 4,4'-DDD	6.700	5.920	4823364	59672497	1.190m	1.638m#
17)	MA 4,4'-DDT	7.017	6.173	466.8E6	3958.2E6	113.553	112.856
18)	B Endrin al...	6.911	6.246	1752732	20325669	0.479m	0.734m#
20)	A Methoxychlor	7.490	6.744	552.2E6	4002.7E6	259.776	229.671
21)	B Endrin ke...	7.625	6.981	4855312	40075025	0.999	1.062

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090723.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:58
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

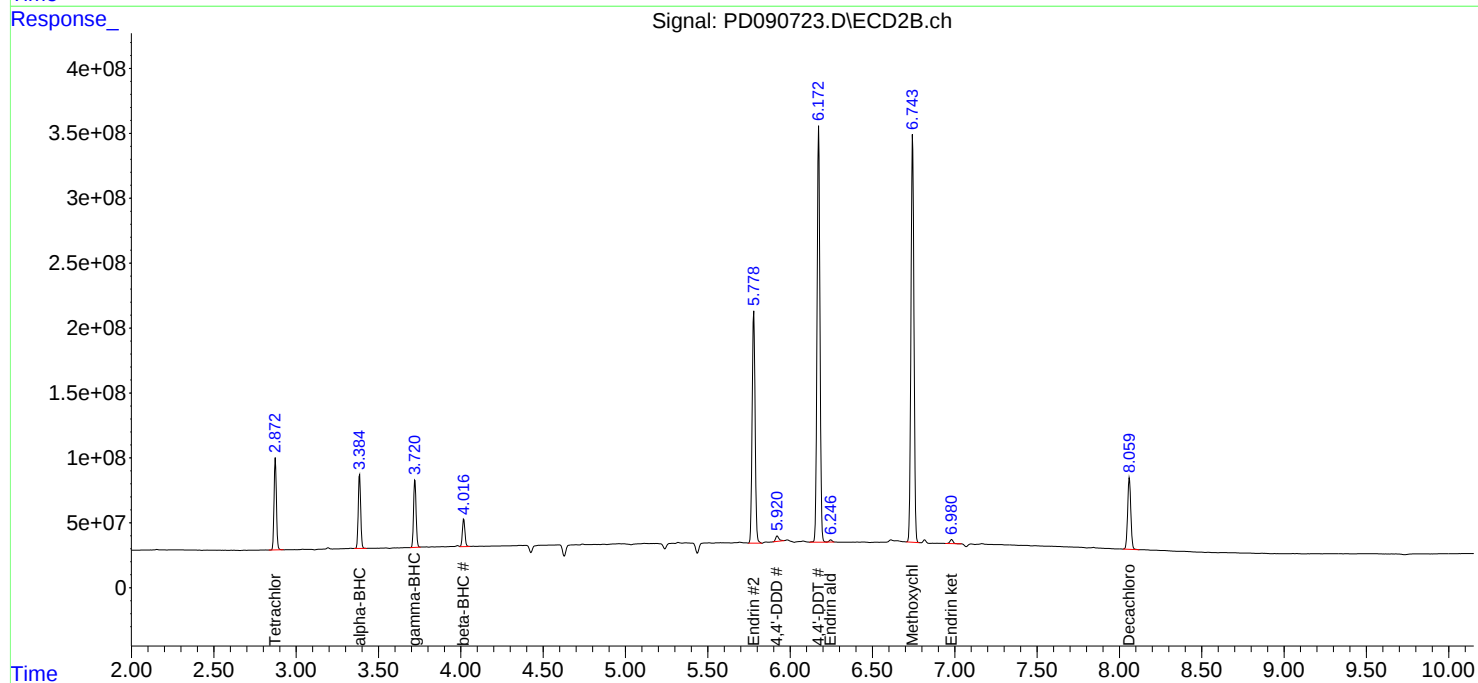
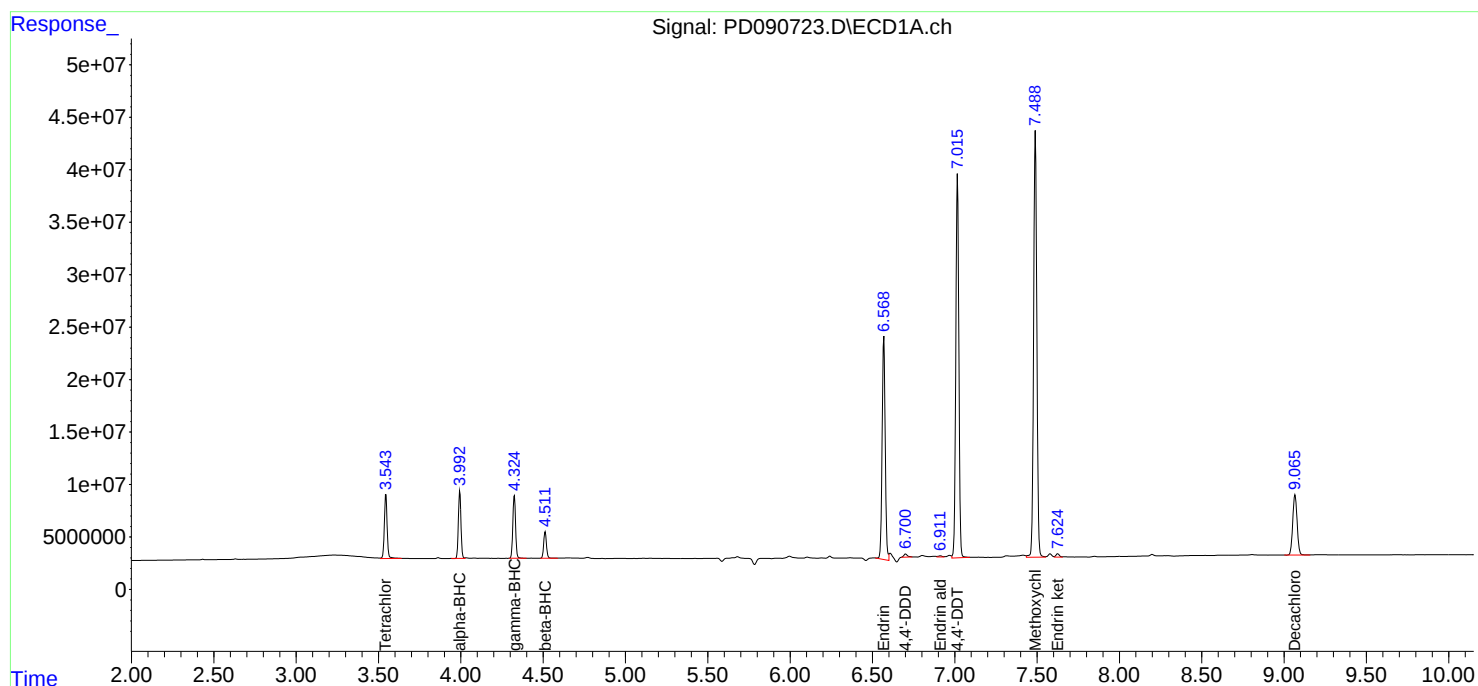
Instrument :
ECD_D
ClientSampleId :
PEM

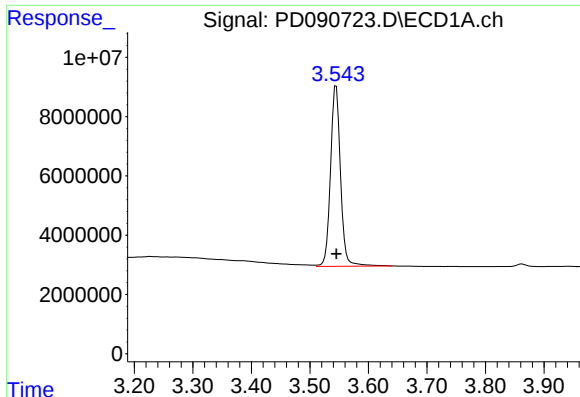
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:19:51 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





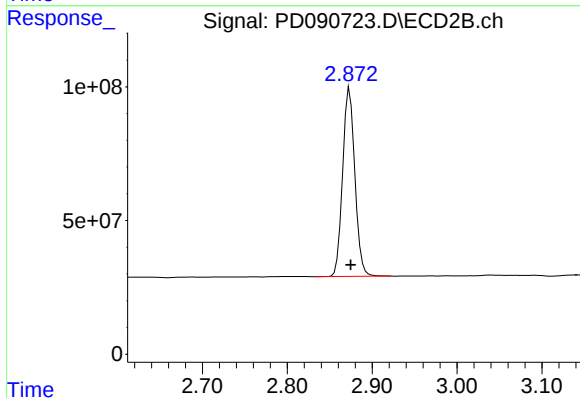
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 72548570
Conc: 23.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

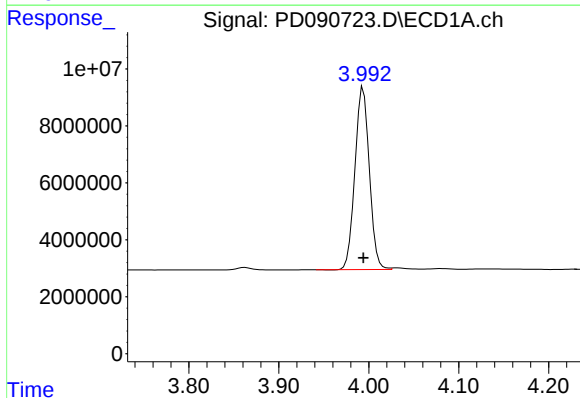
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



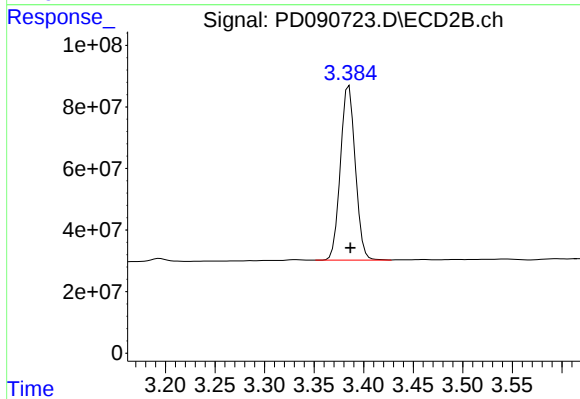
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 703662549
Conc: 23.63 ng/ml



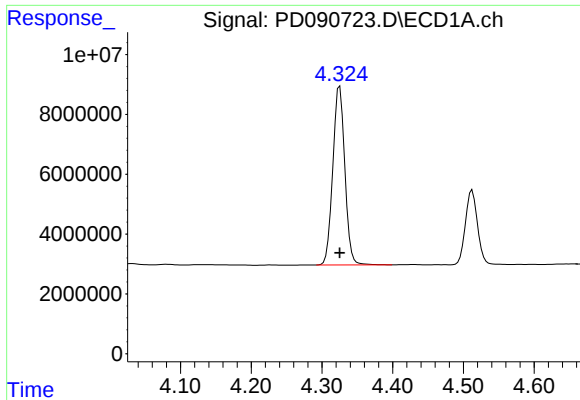
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 71227660
Conc: 9.92 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 591596777
Conc: 11.58 ng/ml



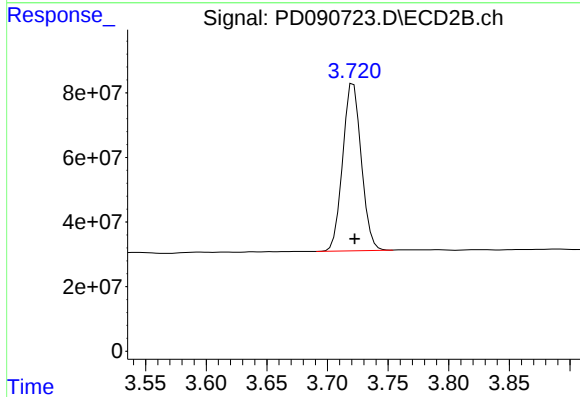
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 70513859
Conc: 10.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

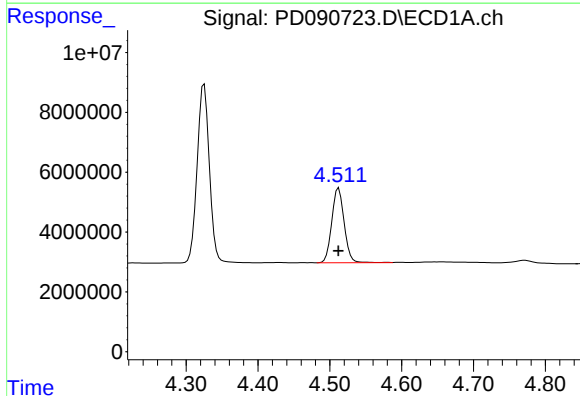
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



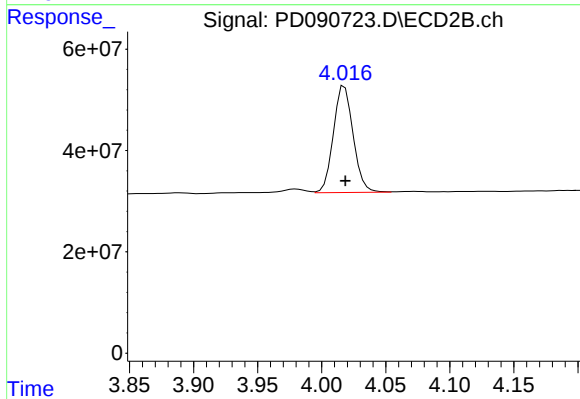
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 552699009
Conc: 11.70 ng/ml



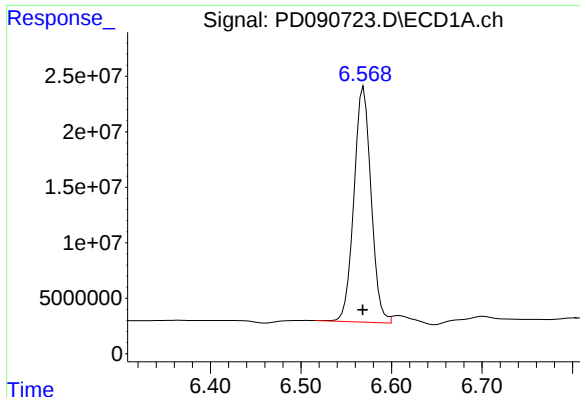
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 29806124
Conc: 11.38 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 225830320
Conc: 11.39 ng/ml



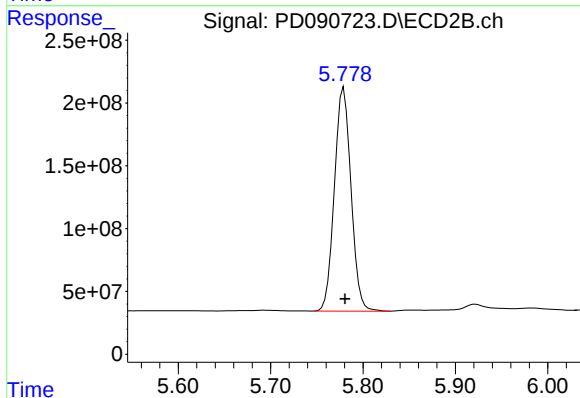
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.001 min
Response: 278779014
Conc: 56.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

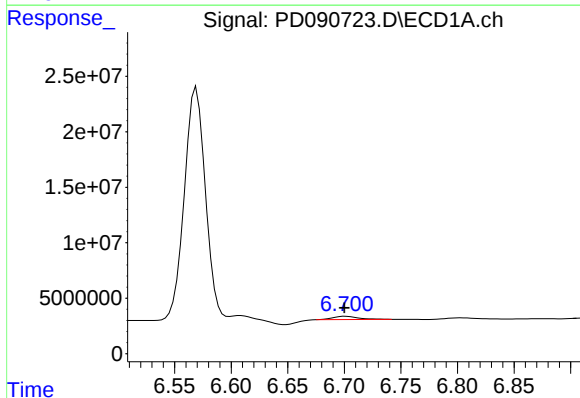
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



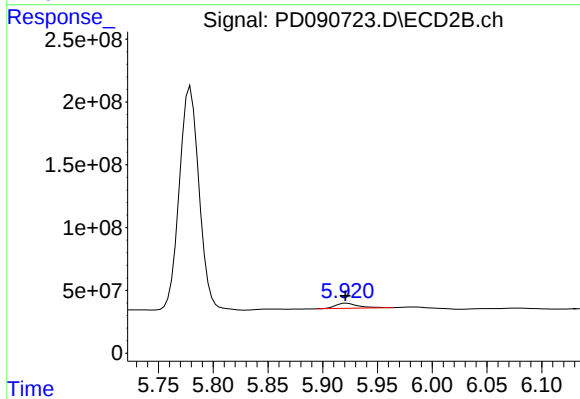
#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 2225293455
Conc: 54.95 ng/ml



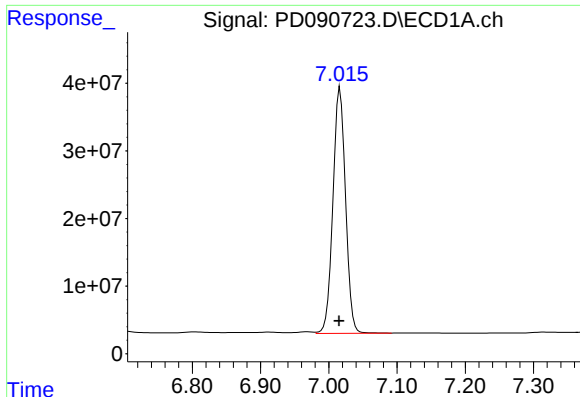
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 4823364
Conc: 1.19 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 59672497
Conc: 1.64 ng/ml m



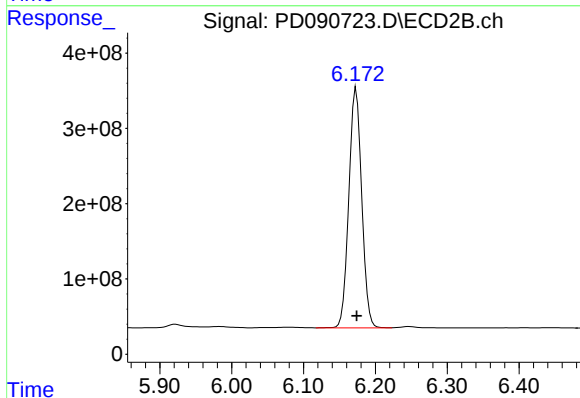
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.001 min
Response: 466756116
Conc: 113.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

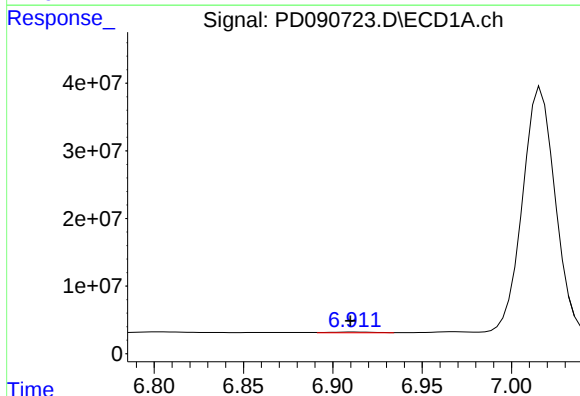
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



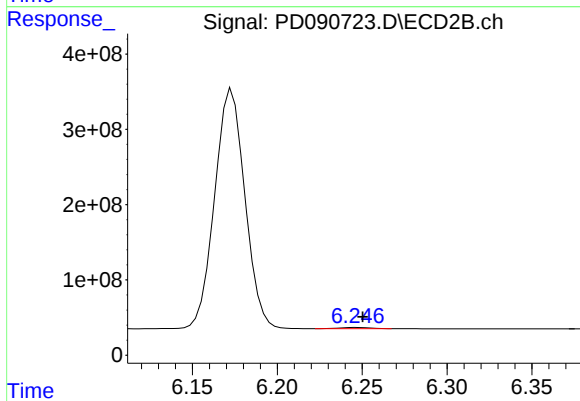
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 3958226308
Conc: 112.86 ng/ml



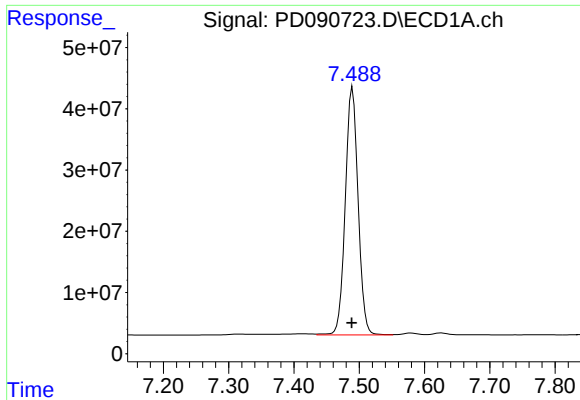
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 1752732
Conc: 0.48 ng/ml m



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.005 min
Response: 20325669
Conc: 0.73 ng/ml m



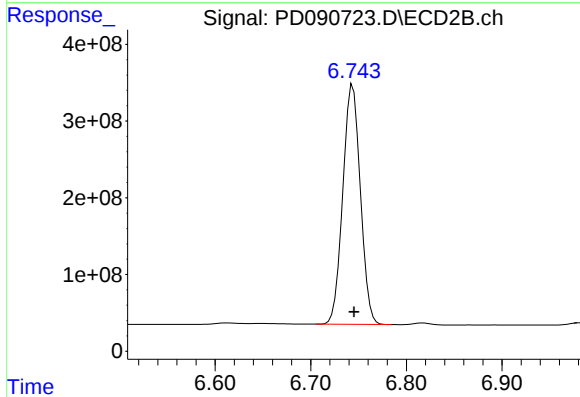
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 552175328
Conc: 259.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

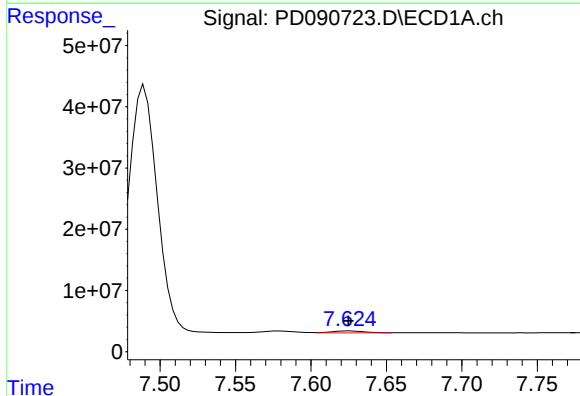
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



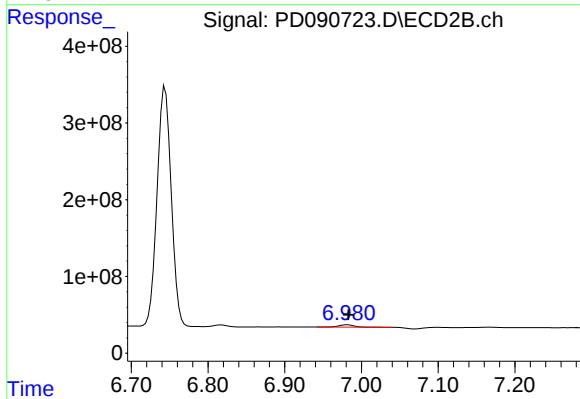
#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 4002657541
Conc: 229.67 ng/ml



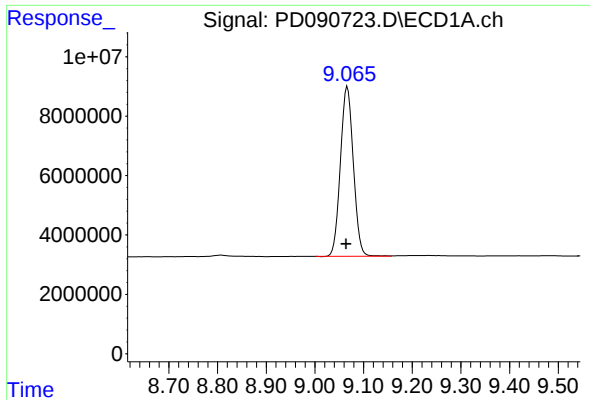
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 4855312
Conc: 1.00 ng/ml



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.001 min
Response: 40075025
Conc: 1.06 ng/ml



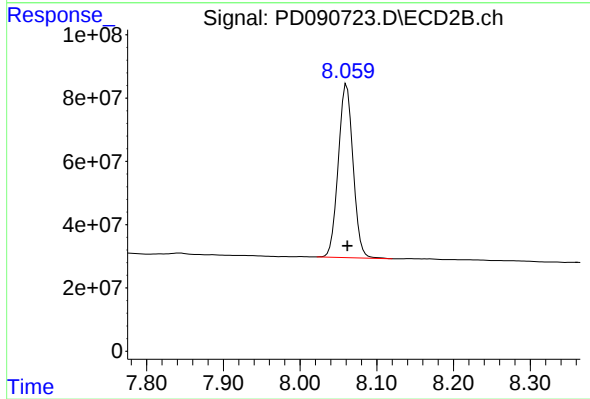
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 105313034
Conc: 22.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 735061719
Conc: 24.27 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090745.D Date Analyzed: 10/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:24

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.067	8.970	9.170	23.190	20.000	16.0
Tetrachloro-m-xylene	3.544	3.490	3.590	22.680	20.000	13.4
alpha-BHC	3.993	3.940	4.040	9.610	10.000	-3.9
beta-BHC	4.512	4.460	4.560	11.010	10.000	10.1
gamma-BHC (Lindane)	4.324	4.270	4.370	10.010	10.000	0.1
Endrin	6.569	6.500	6.640	54.770	50.000	9.5
4,4'-DDT	7.016	6.950	7.090	110.310	100.000	10.3
Methoxychlor	7.490	7.420	7.560	254.710	250.000	1.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090745.D Date Analyzed: 10/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:24

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	25.570	20.000	27.9
Tetrachloro-m-xylene	2.874	2.820	2.920	23.020	20.000	15.1
alpha-BHC	3.386	3.340	3.440	11.300	10.000	13.0
beta-BHC	4.019	3.970	4.070	11.150	10.000	11.5
gamma-BHC (Lindane)	3.722	3.670	3.770	11.320	10.000	13.2
Endrin	5.780	5.710	5.850	55.310	50.000	10.6
4,4'-DDT	6.174	6.100	6.240	110.260	100.000	10.3
Methoxychlor	6.745	6.670	6.820	230.620	250.000	-7.8

PEM
 Data File: PD090745.D Date Acquired 10/21/2025 19:24
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	271303380.6	278606504.4	7303123.77	2.62
Endrin aldehyde	6.91	1448972.038			
Endrin ketone	7.63	5854151.73			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	2239722354	2309181665	69459310.9	3.01
Endrin aldehyde #2	6.25	19867739.77			
Endrin ketone #2	6.98	49591571.12			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	453414084.6	461031189.2	7617104.63	1.65
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	7617104.628			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	3867032984	3955013739	87980755.7	2.22
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	87980755.75			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090745.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 19:24
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:12:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	70637002	685.4E6	22.682	23.019
28)	SA Decachlor...	9.067	8.062	108.5E6	774.6E6	23.189	25.570
Target Compounds							
2)	A alpha-BHC	3.993	3.386	68984293	577.4E6	9.612	11.300
3)	MA gamma-BHC...	4.324	3.722	68071537	534.9E6	10.012	11.320
6)	B beta-BHC	4.512	4.019	28837446	221.0E6	11.008	11.146
14)	MA Endrin	6.569	5.780	271.3E6	2239.7E6	54.768	55.310
16)	A 4,4'-DDD	6.700	5.920	7617105	87980756	1.879m	2.415m#
17)	MA 4,4'-DDT	7.016	6.174	453.4E6	3867.0E6	110.307	110.256
18)	B Endrin al...	6.911	6.246	1448972	19867740	0.396m	0.717m#
20)	A Methoxychlor	7.490	6.745	541.4E6	4019.1E6	254.713	230.616
21)	B Endrin ke...	7.626	6.982	5854152	49591571	1.205	1.315

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090745.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 19:24
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

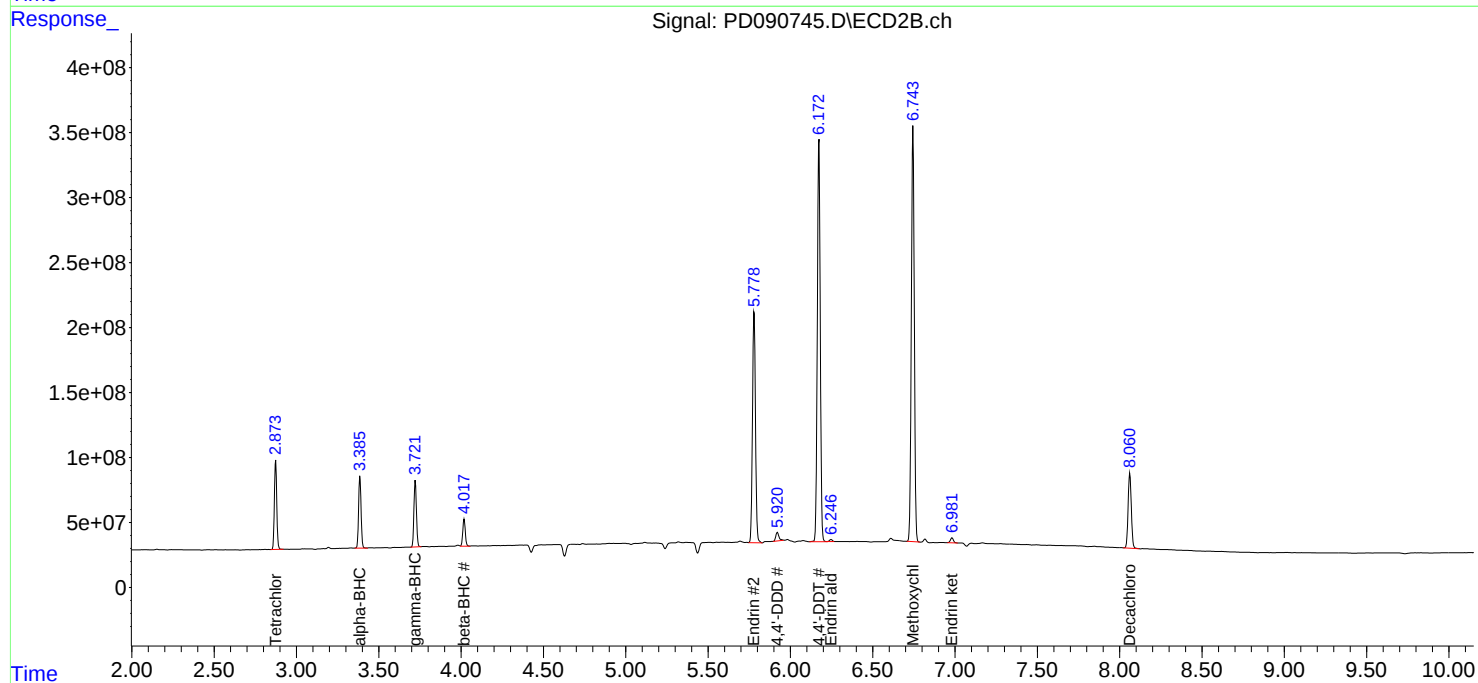
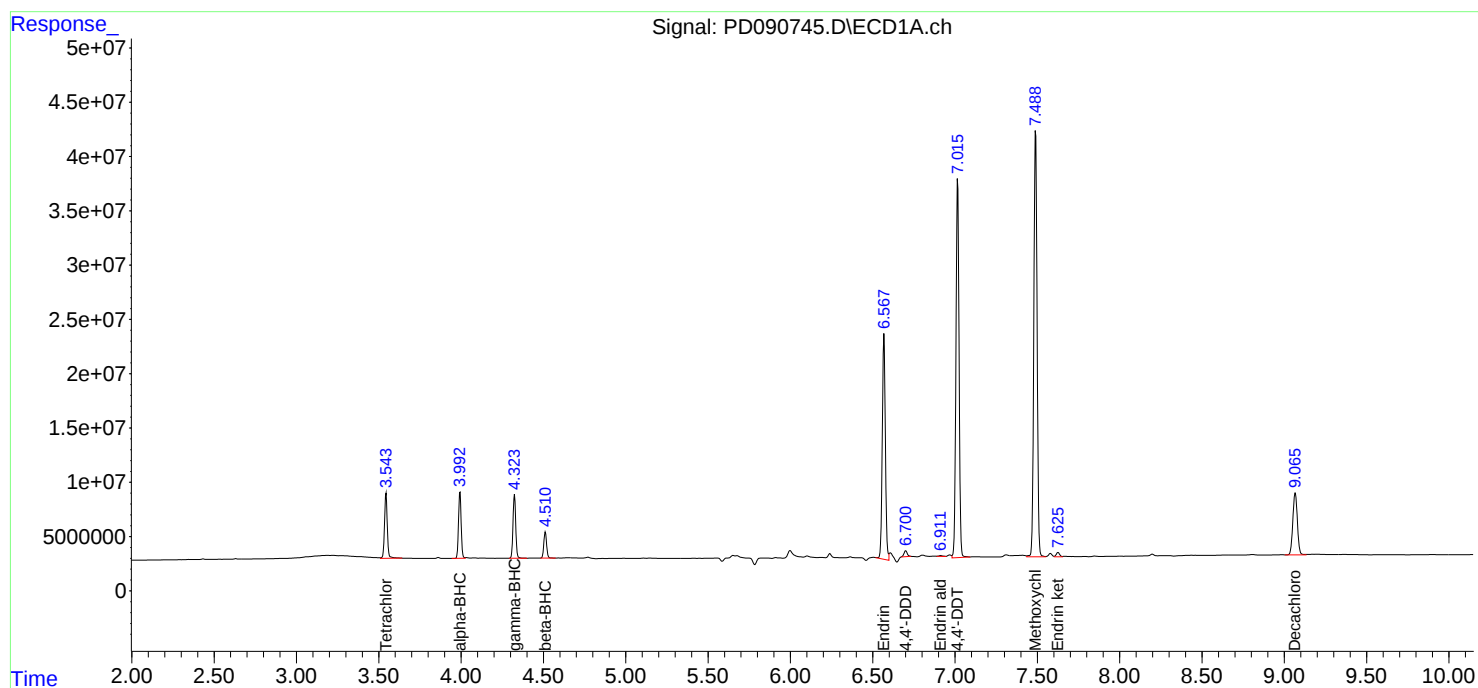
Instrument :
ECD_D
ClientSampleId :
PEM

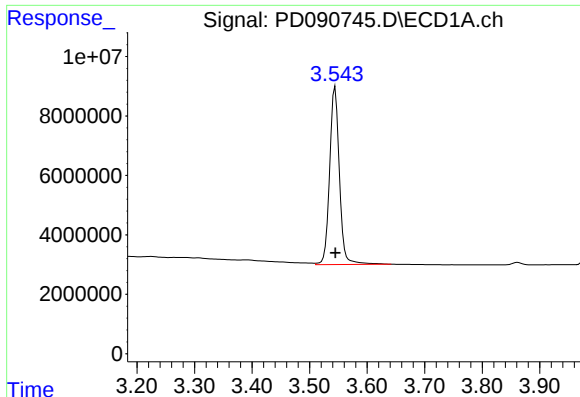
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/24/2025
Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:12:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





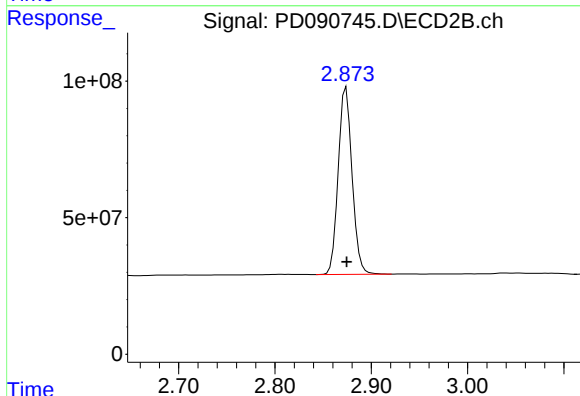
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 70637002
Conc: 22.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

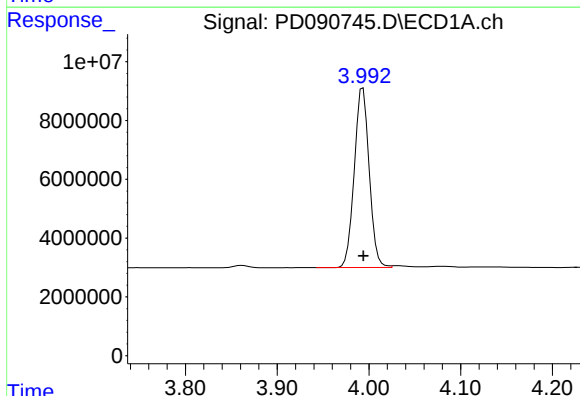
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



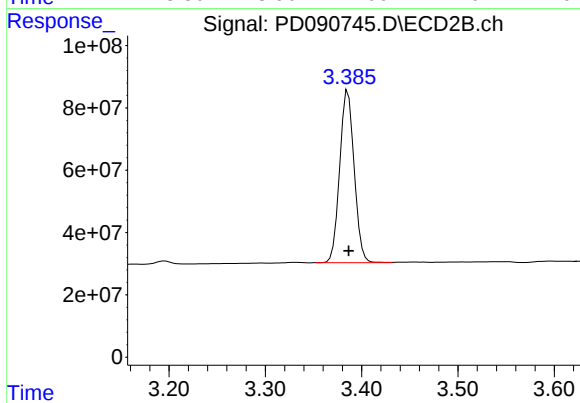
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 685435544
Conc: 23.02 ng/ml



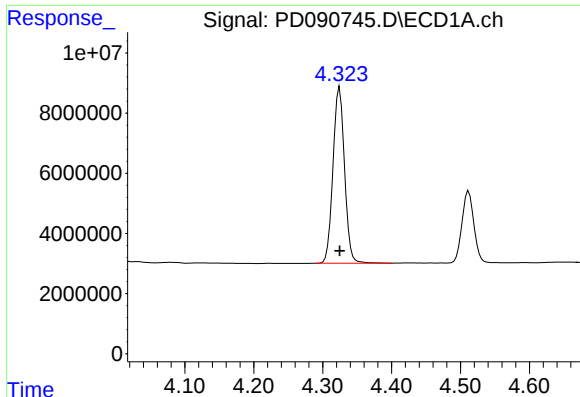
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 68984293
Conc: 9.61 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 577380786
Conc: 11.30 ng/ml



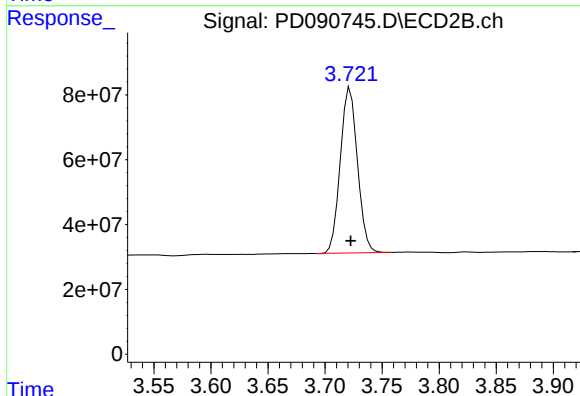
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 68071537
Conc: 10.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

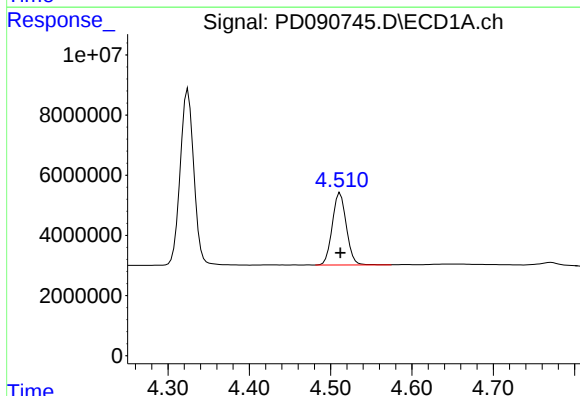
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



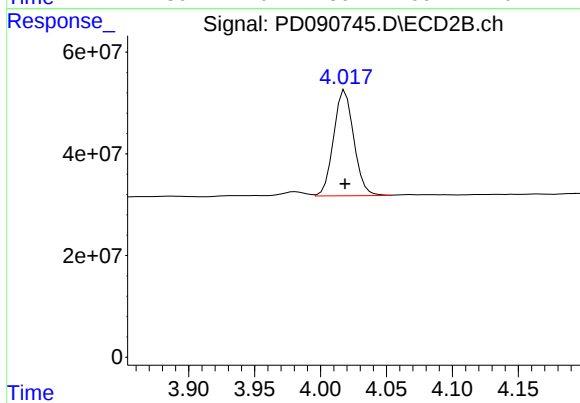
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 534873309
Conc: 11.32 ng/ml



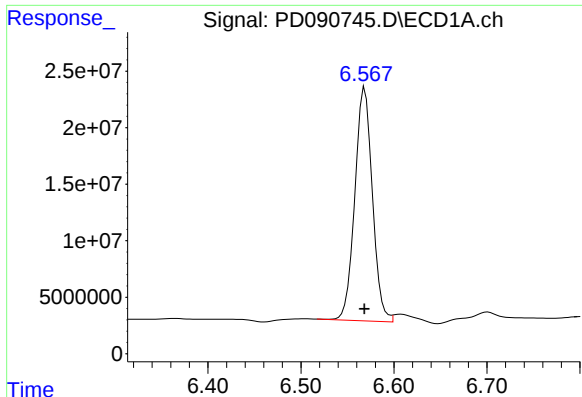
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 28837446
Conc: 11.01 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 221023049
Conc: 11.15 ng/ml



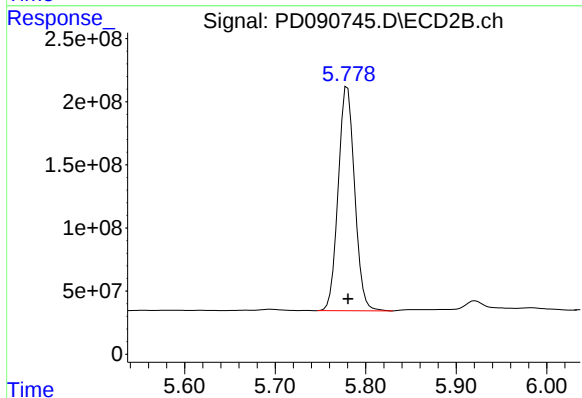
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 271303381
Conc: 54.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

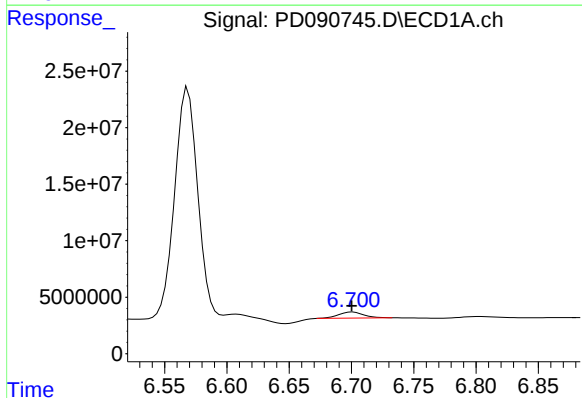
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



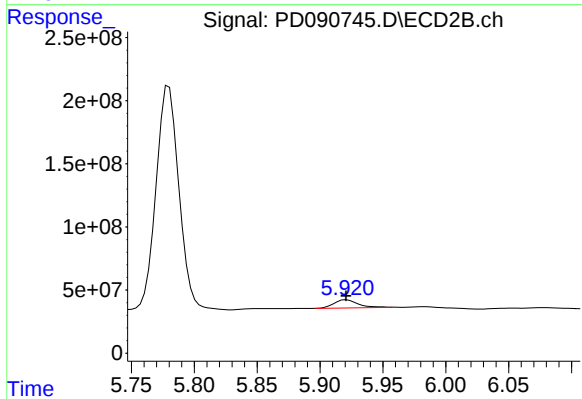
#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2239722354
Conc: 55.31 ng/ml



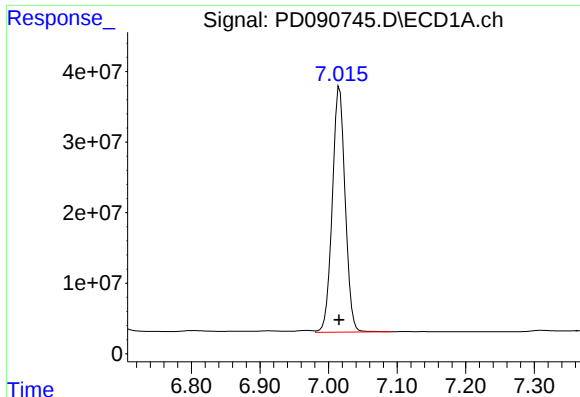
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 7617105
Conc: 1.88 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 87980756
Conc: 2.41 ng/ml m



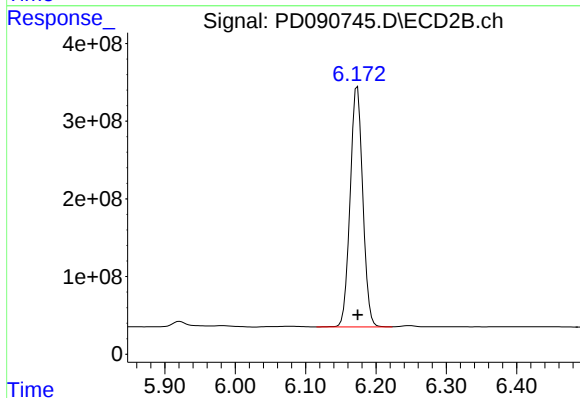
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 453414085
Conc: 110.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

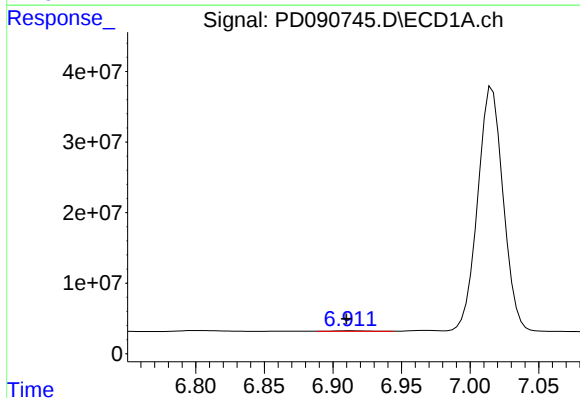
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



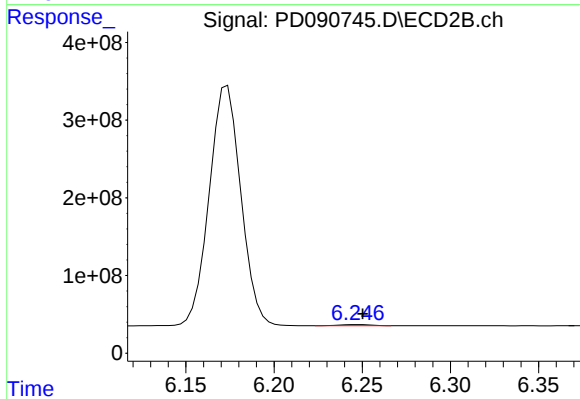
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3867032984
Conc: 110.26 ng/ml



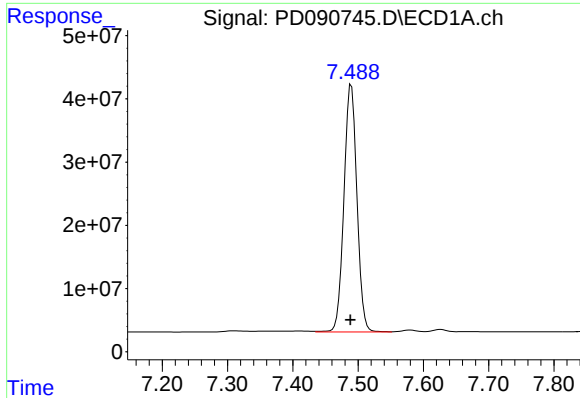
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.001 min
Response: 1448972
Conc: 0.40 ng/ml m



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 19867740
Conc: 0.72 ng/ml m



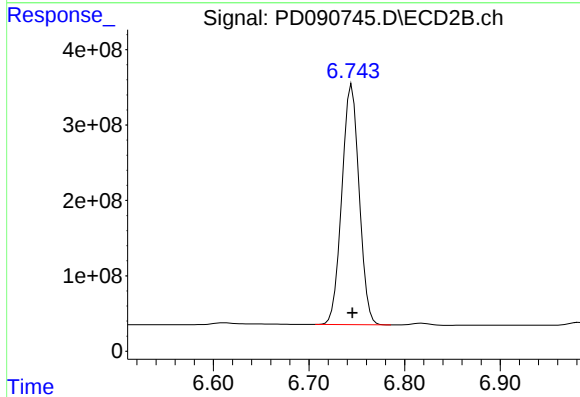
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 541415120
Conc: 254.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

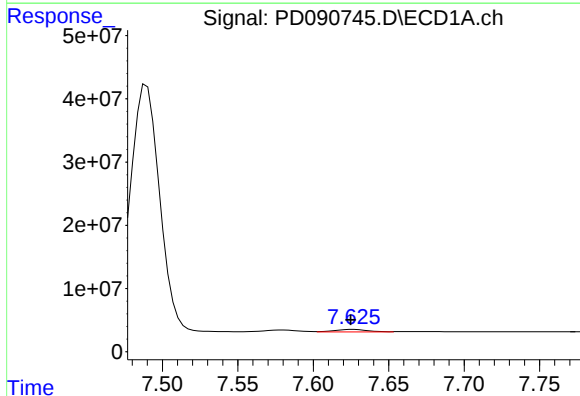
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



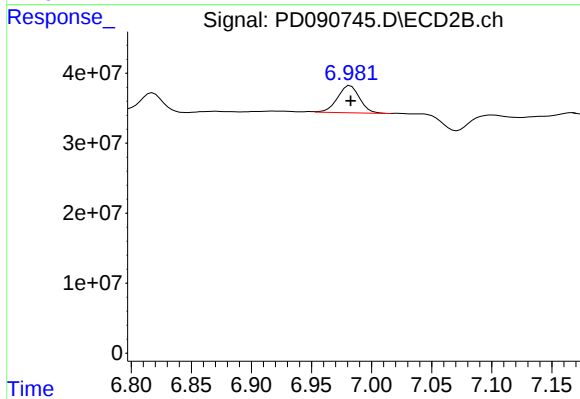
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 4019129944
Conc: 230.62 ng/ml



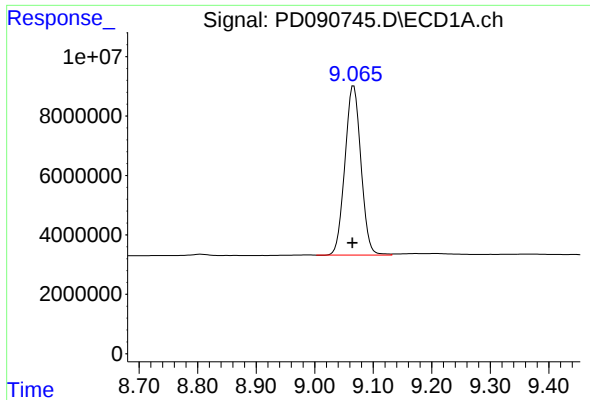
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.002 min
Response: 5854152
Conc: 1.20 ng/ml



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 49591571
Conc: 1.31 ng/ml



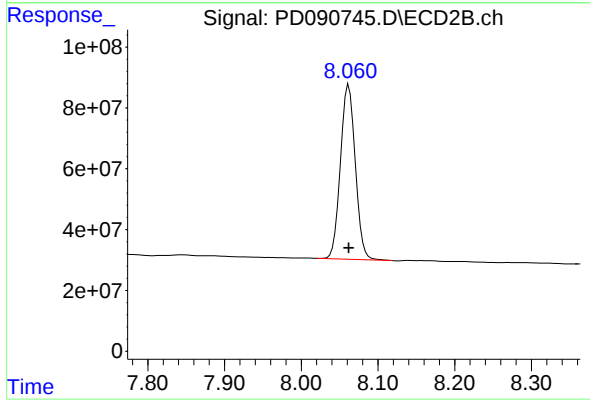
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.002 min
Response: 108475404
Conc: 23.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 774560818
Conc: 25.57 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090649.D
Acq On : 17 Oct 2025 11:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Title : GC Extractables
Last Update : Fri Oct 17 17:43:28 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.544	5.940	100.00%
5.940	6.068	100.00%
6.068	6.190	100.00%
6.190	6.341	100.00%
6.341	7.144	100.00%
7.144	7.488	100.00%
7.488	7.625	100.00%
7.625	9.066	100.00%

Signal #2

2.874	5.116	100.00%
5.116	5.238	100.00%
5.238	5.366	100.00%
5.366	5.503	100.00%
5.503	6.474	100.00%
6.474	6.745	100.00%
6.745	6.983	100.00%
6.983	8.062	100.00%

PD101725.M Sat Oct 25 06:10:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090649.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 11:20
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 14:04:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 14:02:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.874	55125186	545.1E6	17.701m	18.307
28)	SA Decachlor...	9.066	8.062	88858238	547.9E6	18.995	18.088
Target Compounds							
9)	A Endosulfan I	6.068	5.238	43926319	330.7E6	7.934	8.397
10)	B gamma-Chl...	5.940	5.116	47696248	387.3E6	8.042	8.616
12)	B 4,4'-DDE	6.190	5.366	86477351	754.1E6	16.235	17.202
13)	MA Dieldrin	6.341	5.503	92552800	748.0E6	15.872	16.930
19)	B Endosulfa...	7.144	6.474	76754913	612.1E6	16.548	17.078
20)	A Methoxychlor	7.488	6.745	169.7E6	1331.6E6	79.844	76.409
21)	B Endrin ke...	7.625	6.983	80182457	638.1E6	16.502	16.917

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 11:20
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

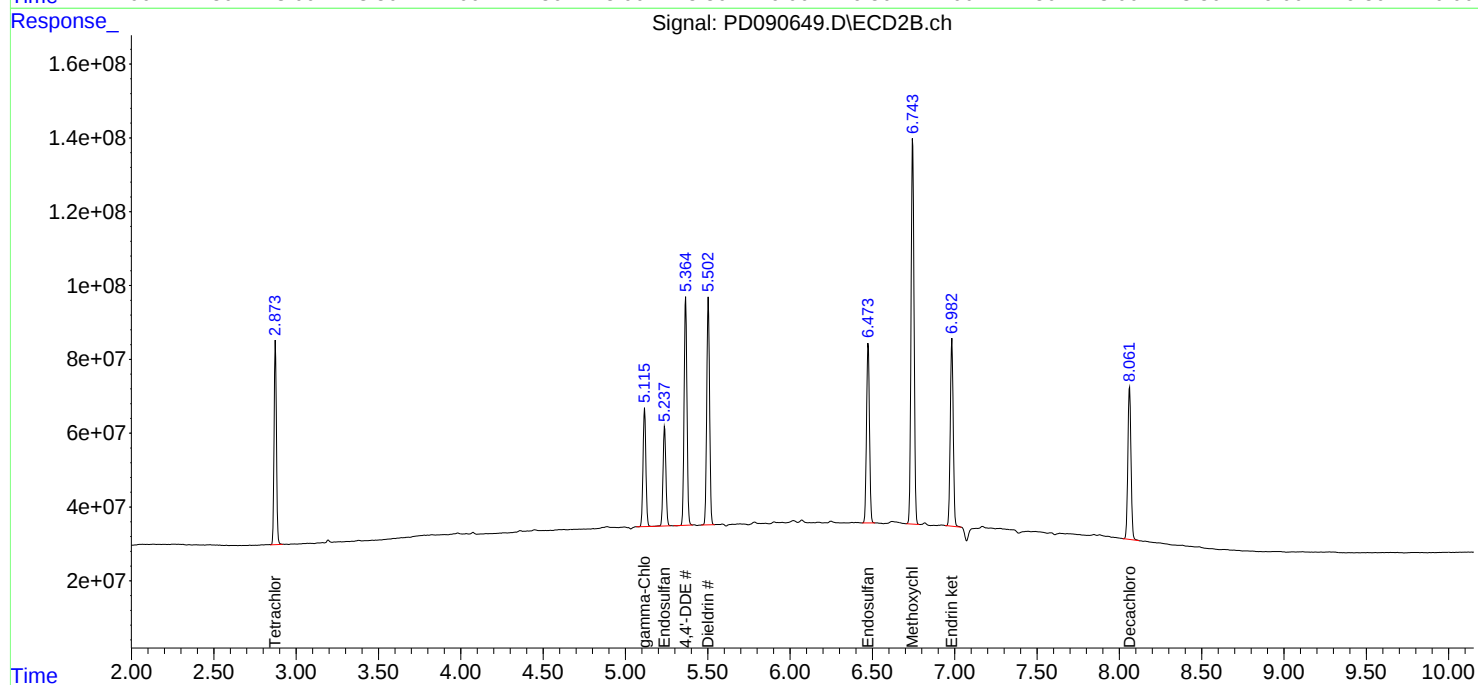
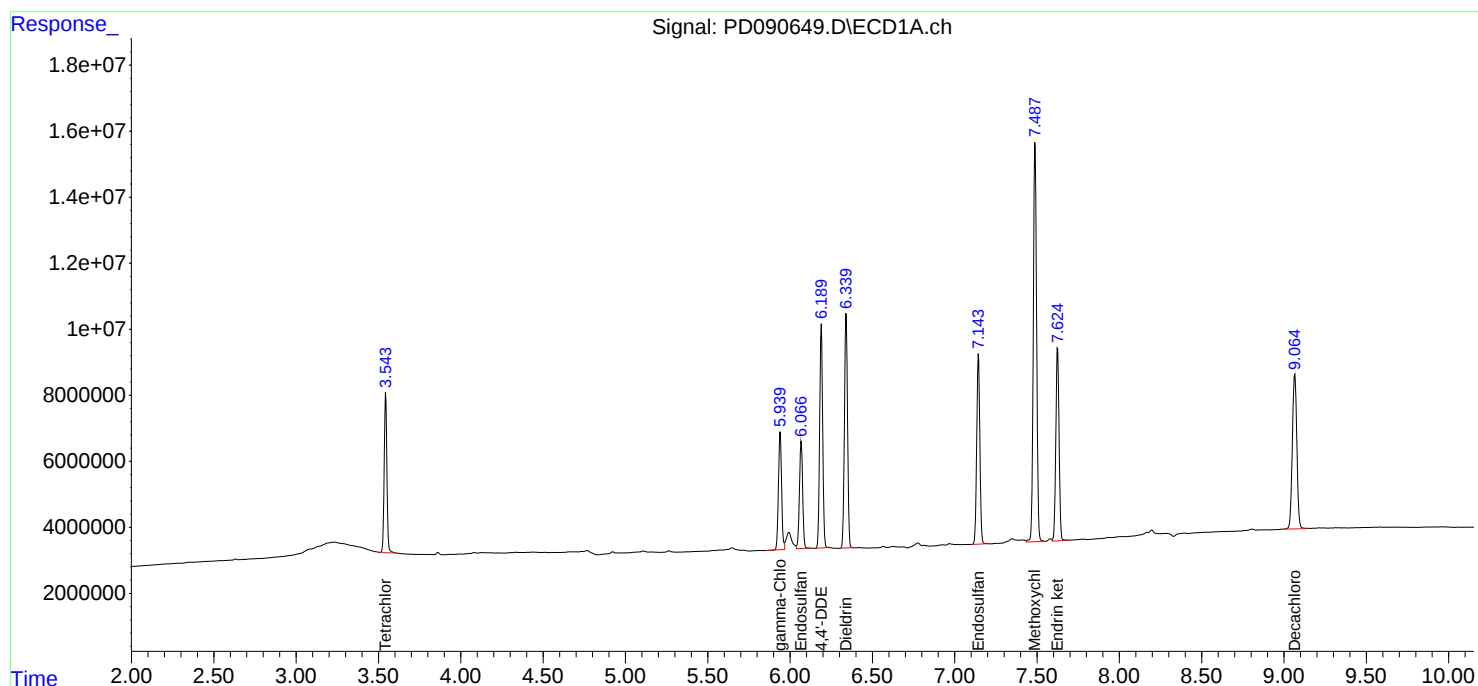
Instrument :
ECD_D
ClientSampleId :
RESCHK

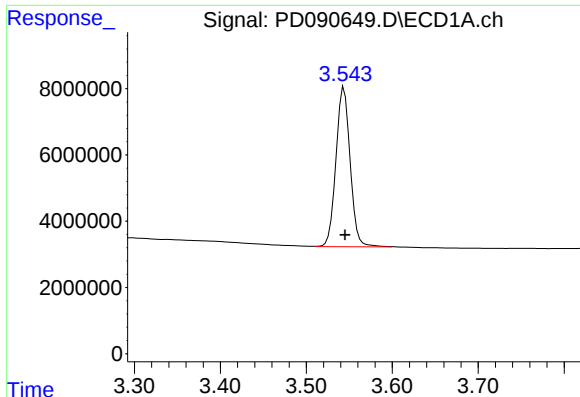
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 14:04:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 14:02:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





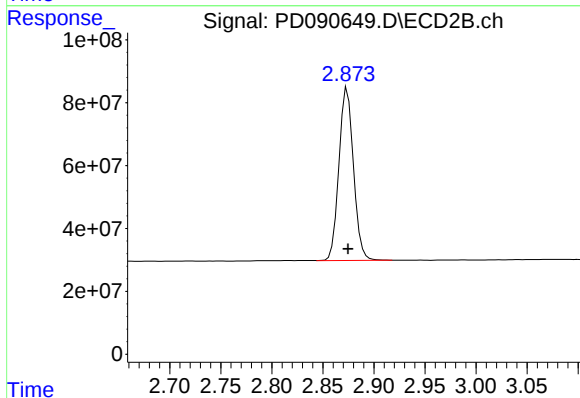
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 55125186
Conc: 17.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

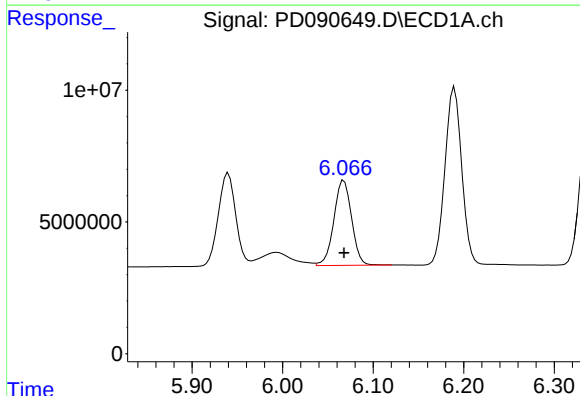
Manual Integrations
APPROVED

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



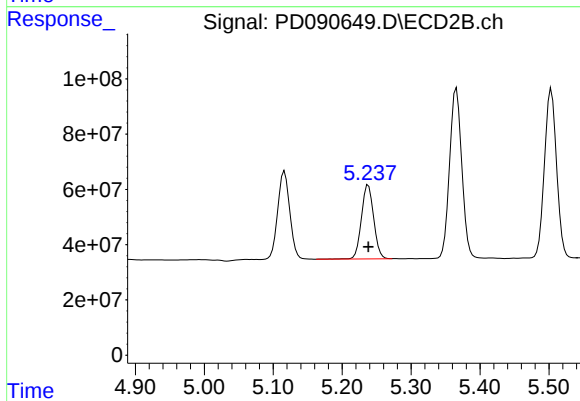
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 545126372
Conc: 18.31 ng/ml



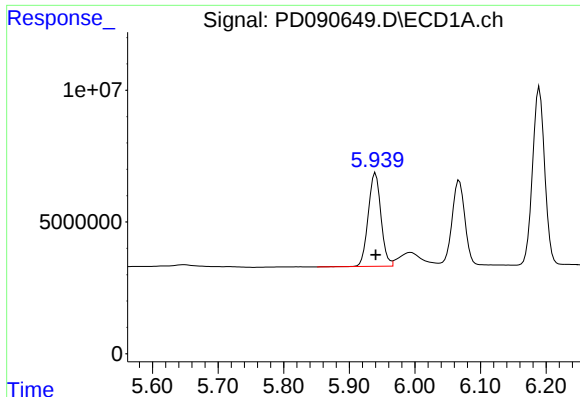
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 43926319
Conc: 7.93 ng/ml



#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 330745194
Conc: 8.40 ng/ml



#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 47696248
Conc: 8.04 ng/ml

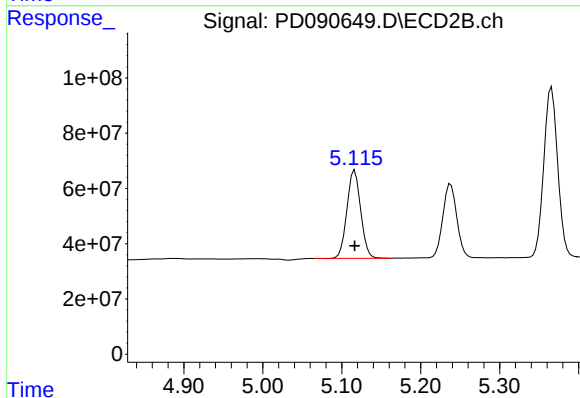
Instrument :

ECD_D

ClientSampleId :
RESCHK

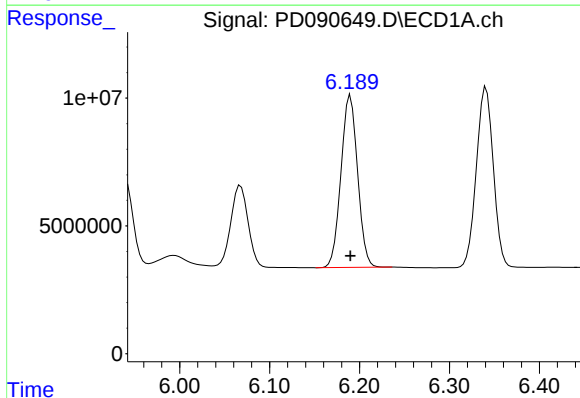
Manual Integrations
APPROVED

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



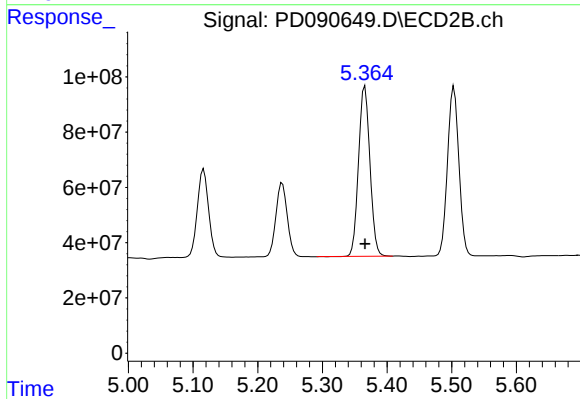
#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 387274886
Conc: 8.62 ng/ml



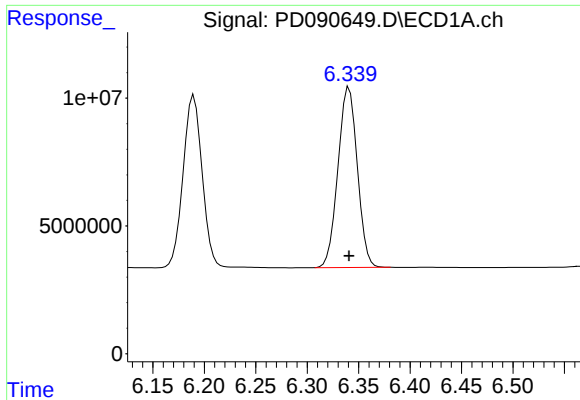
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 86477351
Conc: 16.23 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 754114700
Conc: 17.20 ng/ml



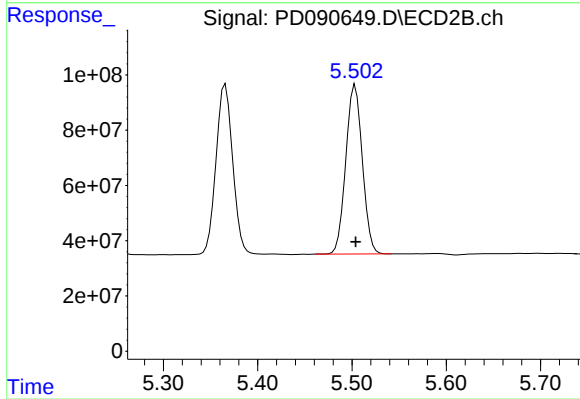
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 92552800
Conc: 15.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

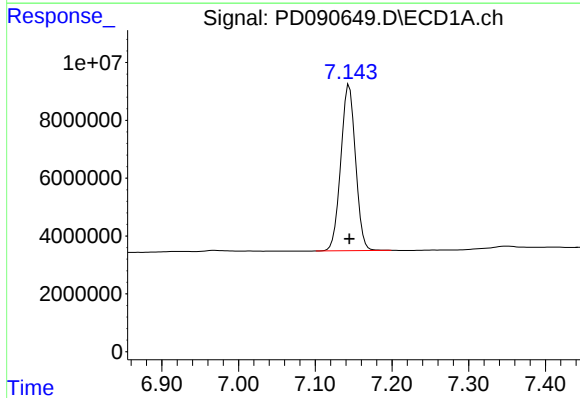
Manual Integrations
APPROVED

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



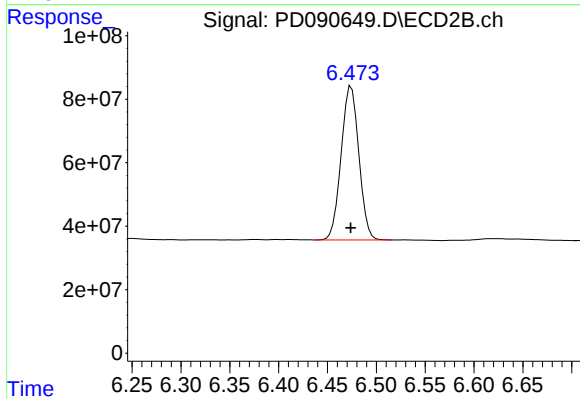
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 748035470
Conc: 16.93 ng/ml



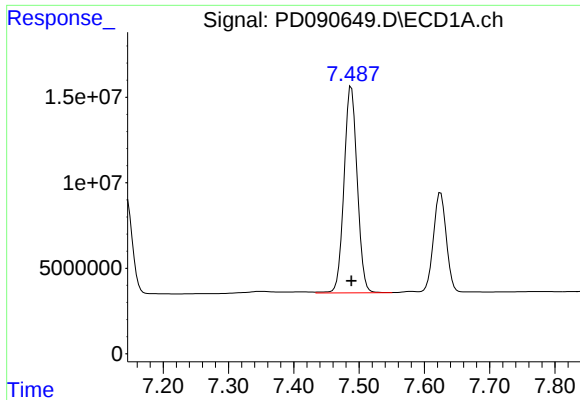
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 76754913
Conc: 16.55 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 612147653
Conc: 17.08 ng/ml



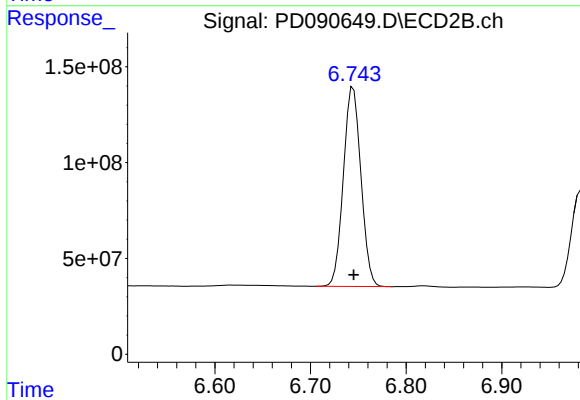
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 169715831
Conc: 79.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

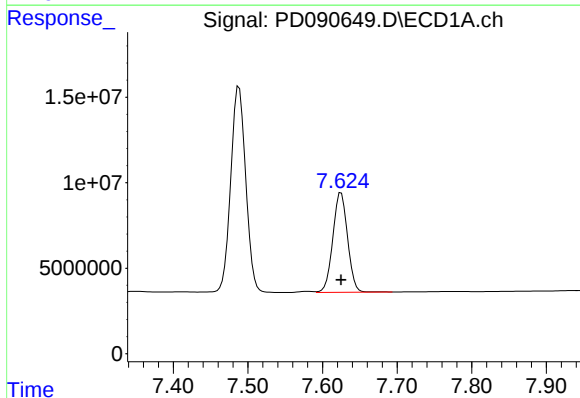
Manual Integrations
APPROVED

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



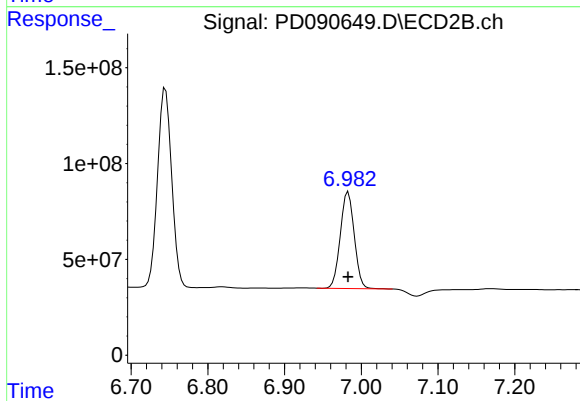
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 1331648566
Conc: 76.41 ng/ml



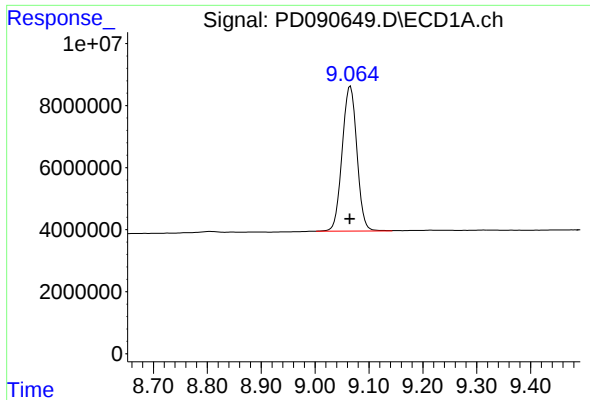
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 80182457
Conc: 16.50 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 638061752
Conc: 16.92 ng/ml



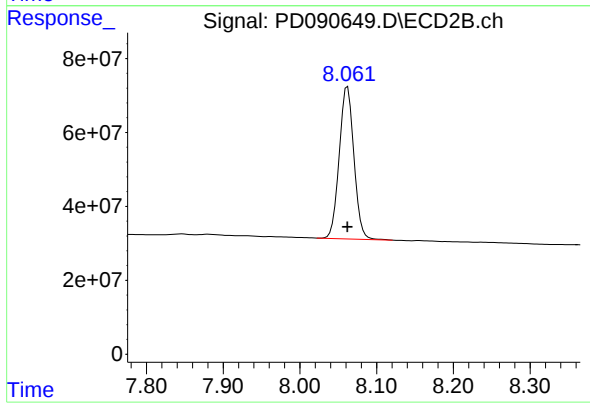
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 88858238
Conc: 19.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 547910430
Conc: 18.09 ng/ml

Analytical Sequence

Client: AECOM	SDG No.: Q3393
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	10/21/2025	09:44	PD090722.D	9.07	3.54
PEM	PEM	10/21/2025	09:58	PD090723.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/21/2025	12:40	PD090724.D	9.08	3.55
PB170179BL	PB170179BL	10/21/2025	14:44	PD090725.D	9.08	3.55
PB170179BS	PB170179BS	10/21/2025	14:58	PD090726.D	9.07	3.54
41-LBMS	Q3402-07MS	10/21/2025	15:59	PD090730.D	9.07	3.54
41-LBMSD	Q3402-07MSD	10/21/2025	16:13	PD090731.D	9.07	3.54
LBLK	LBLK	10/21/2025	16:27	PD090732.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/21/2025	16:40	PD090733.D	9.07	3.54
PR132-S10-000022-20251017	Q3393-01	10/21/2025	18:43	PD090742.D	9.07	3.54
PR132-S10-022047-20251017	Q3393-02	10/21/2025	18:57	PD090743.D	9.07	3.54
LBLK	LBLK	10/21/2025	19:10	PD090744.D	9.07	3.55
PEM	PEM	10/21/2025	19:24	PD090745.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/21/2025	19:38	PD090746.D	9.07	3.54
PR132-S08-013038-20251017	Q3393-03	10/21/2025	20:32	PD090747.D	9.07	3.54
PR132-S06-000021-20251017	Q3393-04	10/21/2025	20:46	PD090748.D	9.07	3.54
PR132-S08-000013-20251017	Q3393-05	10/21/2025	21:00	PD090749.D	9.07	3.54
LBLK	LBLK	10/21/2025	21:13	PD090750.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/21/2025	21:27	PD090751.D	9.07	3.54

Analytical Sequence

Client: AECOM	SDG No.: Q3393
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
PSTDICCC100	PSTDICCC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICCC075	PSTDICCC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICCC050	PSTDICCC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICCC025	PSTDICCC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICCC005	PSTDICCC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
IBLK	IBLK	10/21/2025	09:44	PD090722.D	8.06	2.87
PEM	PEM	10/21/2025	09:58	PD090723.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/21/2025	12:40	PD090724.D	8.06	2.87
PB170179BL	PB170179BL	10/21/2025	14:44	PD090725.D	8.06	2.87
PB170179BS	PB170179BS	10/21/2025	14:58	PD090726.D	8.06	2.87
41-LBMS	Q3402-07MS	10/21/2025	15:59	PD090730.D	8.06	2.87
41-LBMSD	Q3402-07MSD	10/21/2025	16:13	PD090731.D	8.06	2.87
IBLK	IBLK	10/21/2025	16:27	PD090732.D	8.06	2.88
PSTDCCC050	PSTDCCC050	10/21/2025	16:40	PD090733.D	8.06	2.87
PR132-S10-000022-20251017	Q3393-01	10/21/2025	18:43	PD090742.D	8.06	2.87
PR132-S10-022047-20251017	Q3393-02	10/21/2025	18:57	PD090743.D	8.06	2.87
IBLK	IBLK	10/21/2025	19:10	PD090744.D	8.06	2.87
PEM	PEM	10/21/2025	19:24	PD090745.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/21/2025	19:38	PD090746.D	8.06	2.87
PR132-S08-013038-20251017	Q3393-03	10/21/2025	20:32	PD090747.D	8.06	2.87
PR132-S06-000021-20251017	Q3393-04	10/21/2025	20:46	PD090748.D	8.06	2.87
PR132-S08-000013-20251017	Q3393-05	10/21/2025	21:00	PD090749.D	8.06	2.87
IBLK	IBLK	10/21/2025	21:13	PD090750.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/21/2025	21:27	PD090751.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3402-07MS

Date(s) Analyzed: 10/21/2025 10/21/2025

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		
beta-BHC	1	4.51	4.46	4.56	23.3	1.3
	2	4.02	3.97	4.07	23.6	
delta-BHC	1	4.76	4.71	4.81	24.8	3.3
	2	4.25	4.20	4.30	24.0	
Heptachlor epoxide	1	5.69	5.64	5.74	24.2	0.8
	2	4.86	4.81	4.91	24.0	
Endosulfan I	1	6.07	6.02	6.12	23.9	0.4
	2	5.24	5.19	5.29	23.8	
gamma-Chlordane	1	5.94	5.89	5.99	23.7	2.9
	2	5.12	5.07	5.17	24.4	
alpha-Chlordane	1	6.02	5.97	6.07	23.2	4.6
	2	5.18	5.13	5.23	24.3	
4,4'-DDE	1	6.19	6.14	6.24	23.6	2.1
	2	5.37	5.32	5.42	24.1	
Dieldrin	1	6.34	6.29	6.39	24.3	0
	2	5.50	5.45	5.55	24.3	
Endrin	1	6.57	6.52	6.62	24.3	0
	2	5.78	5.73	5.83	24.3	
Endosulfan II	1	6.78	6.73	6.83	23.8	2.9
	2	6.07	6.02	6.12	24.5	
4,4'-DDD	1	6.70	6.65	6.75	24.6	6.7
	2	5.92	5.87	5.97	23.0	
4,4'-DDT	1	7.02	6.97	7.07	24.8	2
	2	6.17	6.12	6.22	25.3	
Endrin aldehyde	1	6.91	6.86	6.96	23.8	1.7
	2	6.25	6.20	6.30	24.2	
Endosulfan sulfate	1	7.15	7.10	7.20	23.5	3.8
	2	6.47	6.42	6.52	24.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3402-07MS

Date(s) Analyzed: 10/21/2025 10/21/2025

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	24.2	2.4
	2	6.75	6.70	6.80	24.8	
Endrin ketone	1	7.63	7.58	7.68	24.0	3.3
	2	6.98	6.93	7.03	24.8	
alpha-BHC	1	3.99	3.94	4.04	24.7	2.9
	2	3.39	3.34	3.44	24.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	24.0	0
	2	3.72	3.67	3.77	24.0	
Heptachlor	1	4.92	4.87	4.97	27.9	14.2
	2	4.08	4.03	4.13	24.2	
Aldrin	1	5.26	5.21	5.31	24.1	0
	2	4.36	4.31	4.41	24.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMSD

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3402-07MSD

Date(s) Analyzed: 10/21/2025

10/21/2025

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	23.8	2.9
	2	6.07	6.02	6.12	24.5	
4,4'-DDD	1	6.70	6.65	6.75	24.6	6.7
	2	5.92	5.87	5.97	23.0	
4,4'-DDT	1	7.02	6.97	7.07	24.9	2
	2	6.17	6.12	6.22	25.4	
Endrin aldehyde	1	6.91	6.86	6.96	23.9	2.5
	2	6.25	6.20	6.30	24.5	
Endosulfan sulfate	1	7.15	7.10	7.20	23.4	4.6
	2	6.47	6.42	6.52	24.5	
Methoxychlor	1	7.49	7.44	7.54	24.4	1.6
	2	6.75	6.70	6.80	24.8	
Endrin ketone	1	7.63	7.58	7.68	24.1	2.9
	2	6.98	6.93	7.03	24.8	
alpha-BHC	1	3.99	3.94	4.04	24.6	2.5
	2	3.39	3.34	3.44	24.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	23.9	0.4
	2	3.72	3.67	3.77	24.0	
Heptachlor	1	4.92	4.87	4.97	28.0	14.1
	2	4.08	4.03	4.13	24.3	
Aldrin	1	5.26	5.21	5.31	24.1	0
	2	4.36	4.31	4.41	24.1	
beta-BHC	1	4.51	4.46	4.56	23.2	2.1
	2	4.02	3.97	4.07	23.7	
delta-BHC	1	4.76	4.71	4.81	24.6	2.5
	2	4.26	4.21	4.31	24.0	
Heptachlor epoxide	1	5.68	5.63	5.73	24.2	1.2
	2	4.86	4.81	4.91	23.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMSD

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3402-07MSD

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	23.9	0.4
	2	5.24	5.19	5.29	23.8	
gamma-Chlordane	1	5.94	5.89	5.99	23.8	2.5
	2	5.12	5.07	5.17	24.4	
alpha-Chlordane	1	6.02	5.97	6.07	23.0	5.5
	2	5.18	5.13	5.23	24.3	
4,4'-DDE	1	6.19	6.14	6.24	23.5	2.5
	2	5.37	5.32	5.42	24.1	
Dieldrin	1	6.34	6.29	6.39	24.3	0.4
	2	5.50	5.45	5.55	24.4	
Endrin	1	6.57	6.52	6.62	24.3	0
	2	5.78	5.73	5.83	24.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170179BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: PB170179BS

Date(s) Analyzed: 10/21/2025 10/21/2025

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	15.4	1.3
	2	5.92	5.87	5.97	15.2	
4,4'-DDE	1	6.19	6.14	6.24	14.6	4
	2	5.36	5.31	5.41	15.2	
4,4'-DDT	1	7.02	6.97	7.07	15.9	1.9
	2	6.17	6.12	6.22	16.2	
alpha-BHC	1	3.99	3.94	4.04	14.8	0.7
	2	3.39	3.34	3.44	14.7	
Aldrin	1	5.26	5.21	5.31	14.9	0
	2	4.36	4.31	4.41	14.9	
alpha-Chlordane	1	6.02	5.97	6.07	14.4	4.7
	2	5.18	5.13	5.23	15.1	
Endosulfan II	1	6.78	6.73	6.83	15.1	2
	2	6.07	6.02	6.12	15.4	
Endosulfan sulfate	1	7.15	7.10	7.20	14.9	4.6
	2	6.47	6.42	6.52	15.6	
beta-BHC	1	4.51	4.46	4.56	14.6	1.4
	2	4.02	3.97	4.07	14.8	
delta-BHC	1	4.76	4.71	4.81	15.0	0
	2	4.25	4.20	4.30	15.0	
Endosulfan I	1	6.07	6.02	6.12	14.9	0.7
	2	5.24	5.19	5.29	14.8	
Dieldrin	1	6.34	6.29	6.39	15.1	1.3
	2	5.50	5.45	5.55	15.3	
Endrin aldehyde	1	6.91	6.86	6.96	15.4	2.6
	2	6.25	6.20	6.30	15.8	
Methoxychlor	1	7.49	7.44	7.54	15.6	2.5
	2	6.74	6.69	6.79	16.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170179BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: PB170179BS

Date(s) Analyzed: 10/21/2025 10/21/2025

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	15.1	4.5
	2	6.98	6.93	7.03	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.7	1.4
	2	3.72	3.67	3.77	14.9	
Heptachlor	1	4.92	4.87	4.97	17.5	14.7
	2	4.07	4.02	4.12	15.1	
Heptachlor epoxide	1	5.69	5.64	5.74	15.1	2
	2	4.86	4.81	4.91	14.8	
gamma-Chlordane	1	5.94	5.89	5.99	14.8	2
	2	5.12	5.07	5.17	15.1	
Endrin	1	6.57	6.52	6.62	15.1	0.7
	2	5.78	5.73	5.83	15.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S06-000021-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3393-04

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	2.20	58.8
	2	5.37	5.32	5.42	1.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S08-000013-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3393-05

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	1.80	40
	2	5.37	5.32	5.42	1.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S10-000022-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3393-01

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	1.70	42.9
	2	5.37	5.32	5.42	1.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S10-022047-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3393-02

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	5.40	32.3
	2	5.37	5.32	5.42	3.90	



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:	PB170179BL		SDG No.:	Q3393
Lab Sample ID:	PB170179BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B	Prep Date 10/21/25		

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	10/21/25 14:44	PB170179
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/21/25 14:44	PB170179
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/21/25 14:44	PB170179
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/21/25 14:44	PB170179
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/21/25 14:44	PB170179
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/21/25 14:44	PB170179
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/21/25 14:44	PB170179
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/21/25 14:44	PB170179
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/21/25 14:44	PB170179
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/21/25 14:44	PB170179
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/21/25 14:44	PB170179
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/21/25 14:44	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.1			20 - 144	115%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.2			19 - 148	106%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:44
Operator : AR\AJ
Sample : PB170179BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170179BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:09:47 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...	3.551	2.872	63175607	632.6E6	20.287	21.245
28)	SA Decachlor...	9.080	8.064	100.9E6	699.5E6	21.571	23.092

Target Compounds

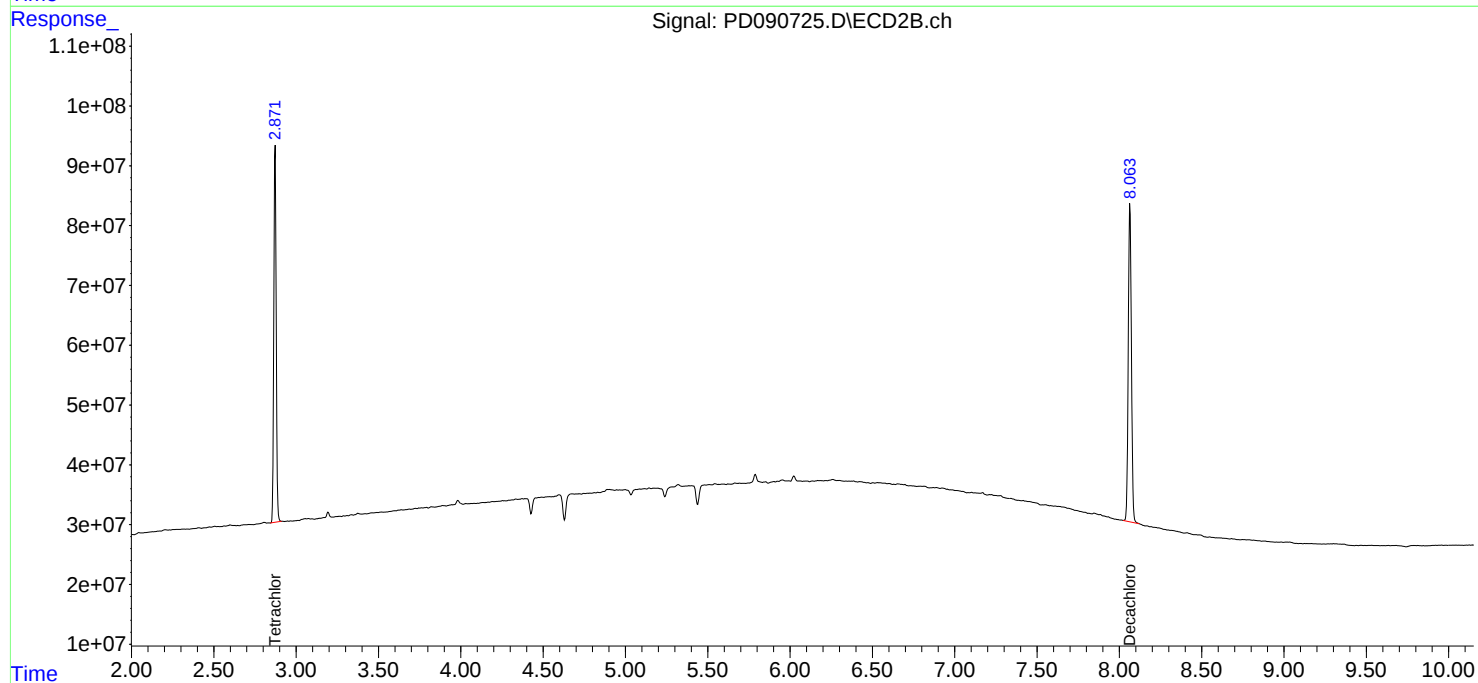
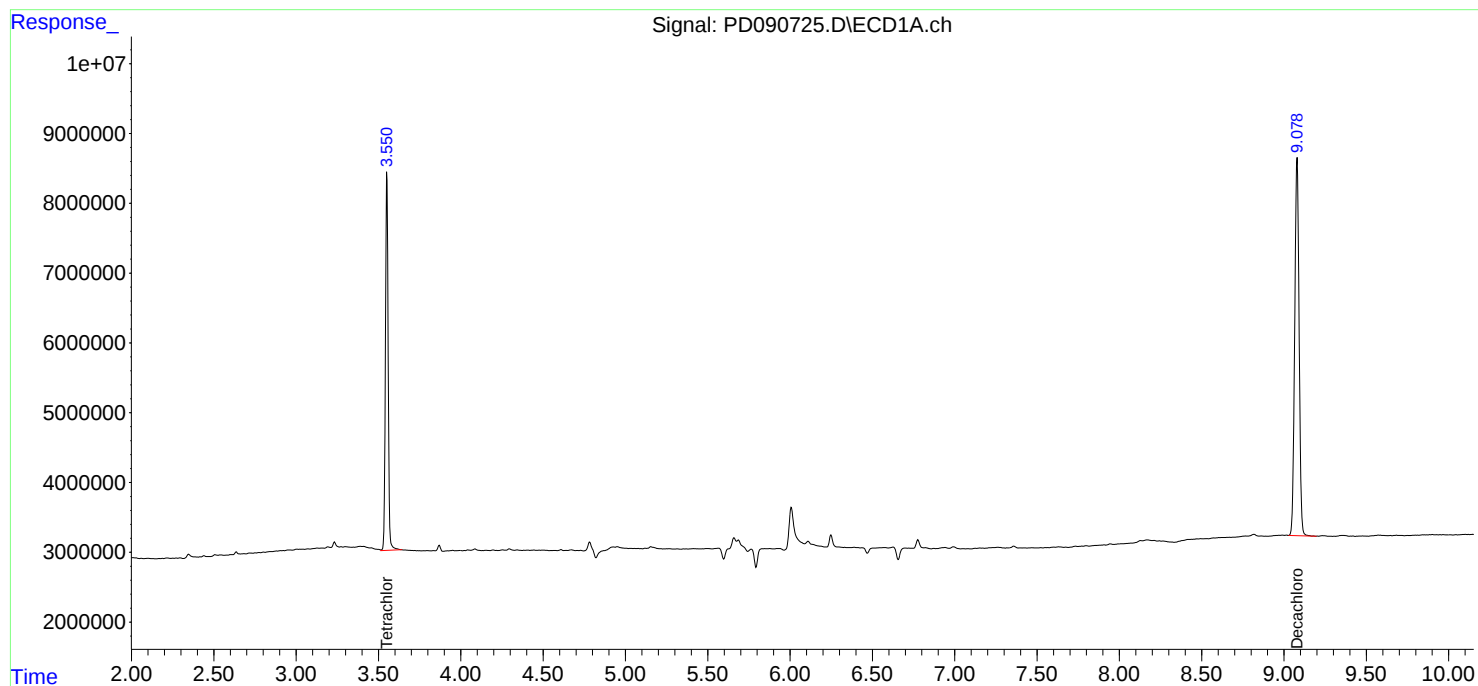
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

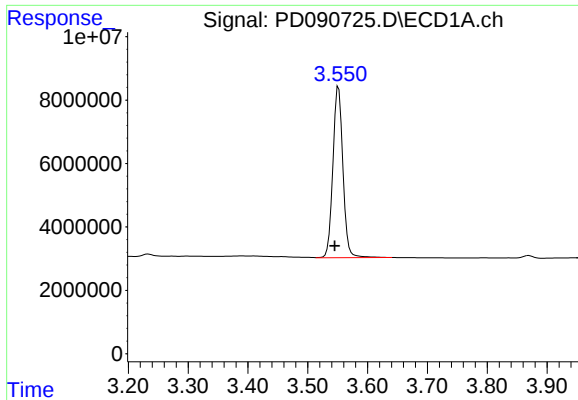
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:44
Operator : AR\AJ
Sample : PB170179BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170179BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:09:47 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

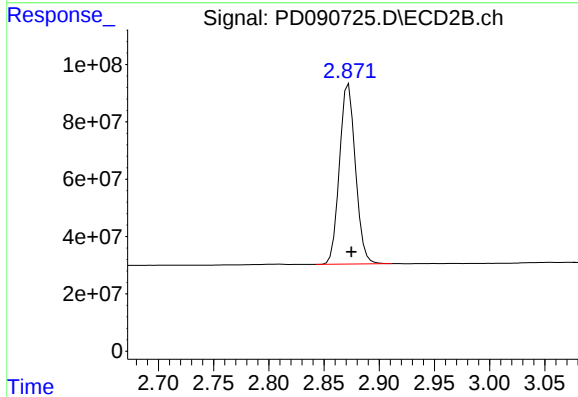




#1 Tetrachloro-m-xylene

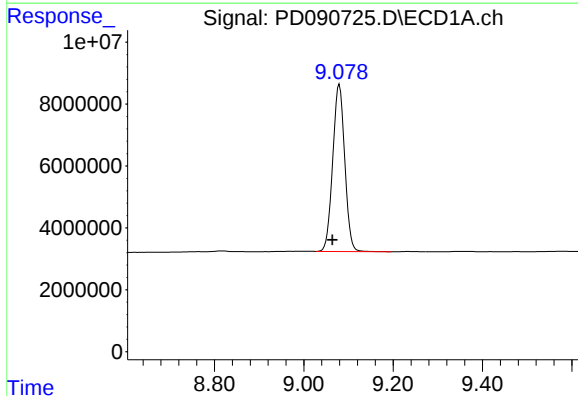
R.T.: 3.551 min
Delta R.T.: 0.006 min
Response: 63175607
Conc: 20.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BL



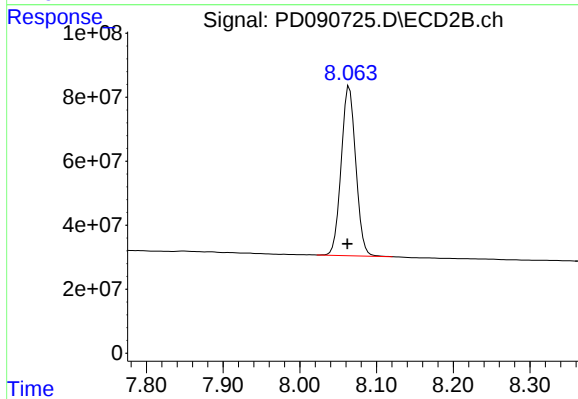
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 632602311
Conc: 21.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.015 min
Response: 100909441
Conc: 21.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.003 min
Response: 699493383
Conc: 23.09 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.:	Q3393
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

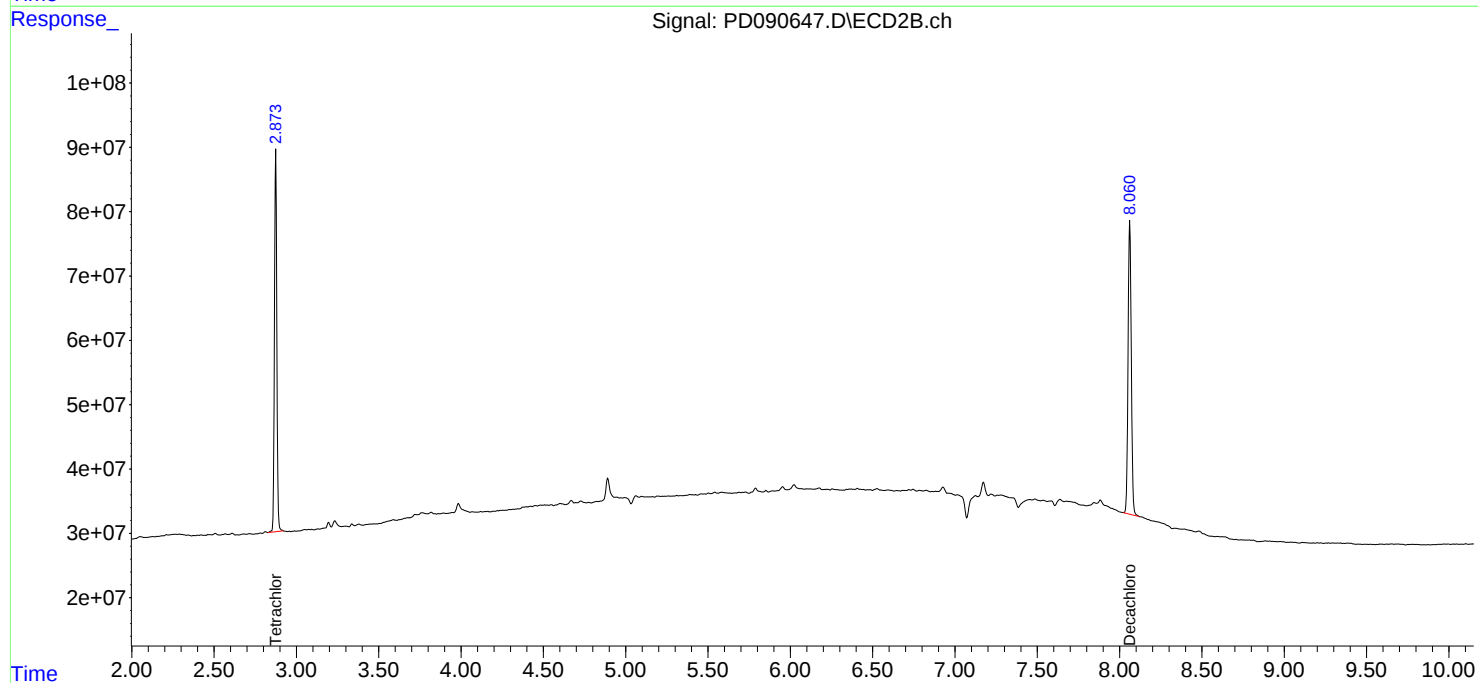
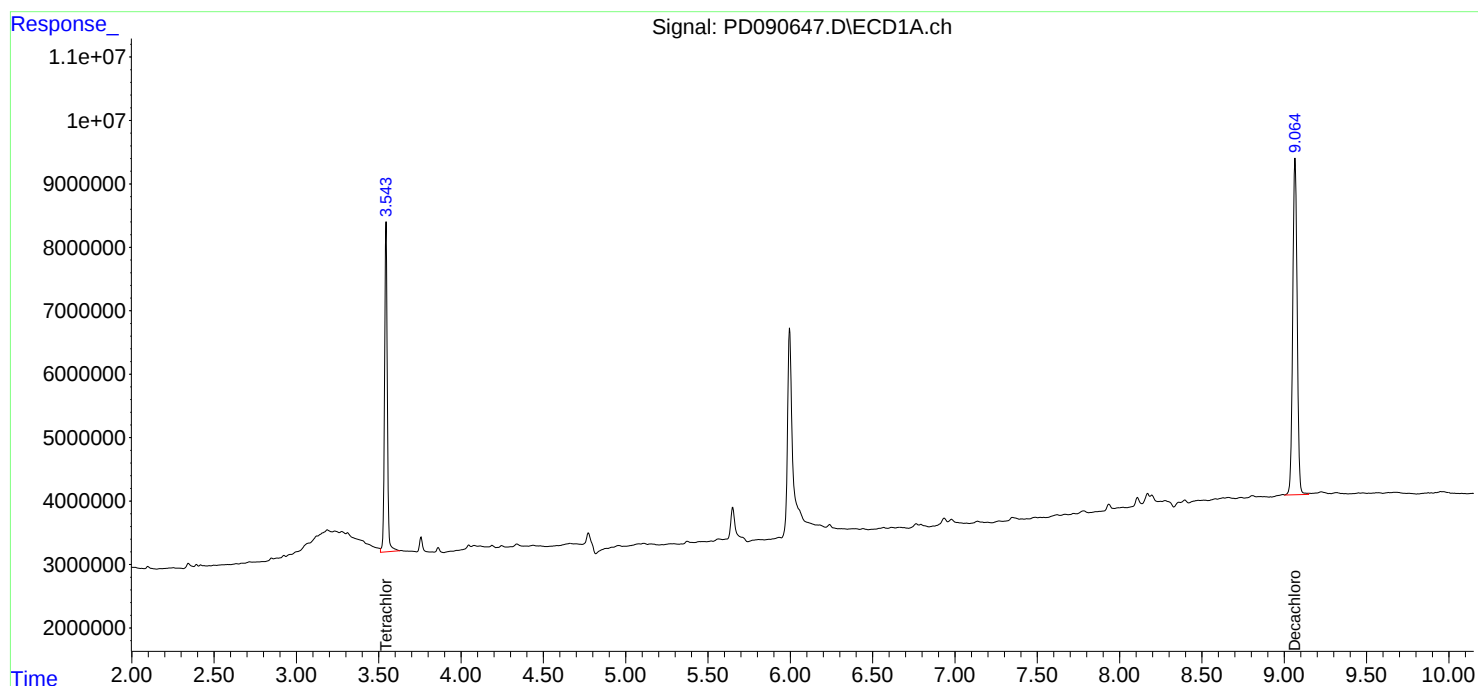
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

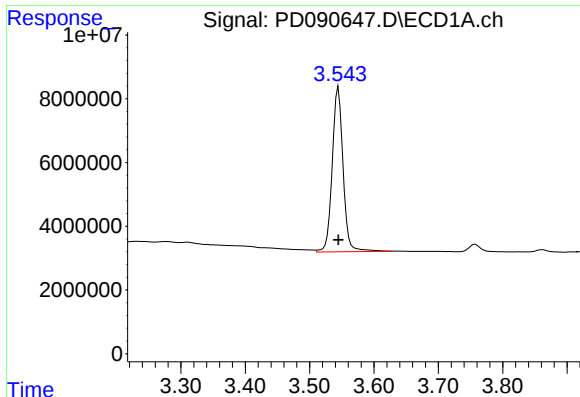
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
Data File : PD090647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 10:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

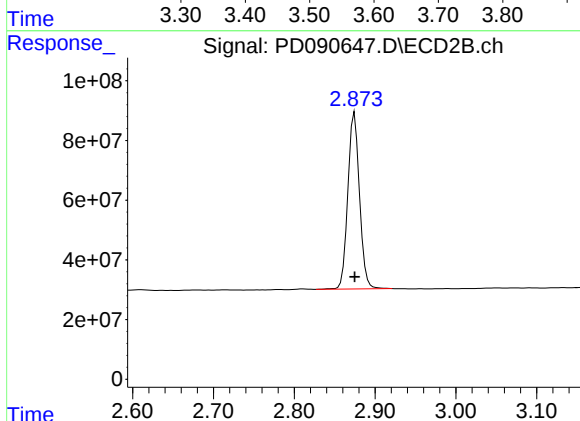




#1 Tetrachloro-m-xylene

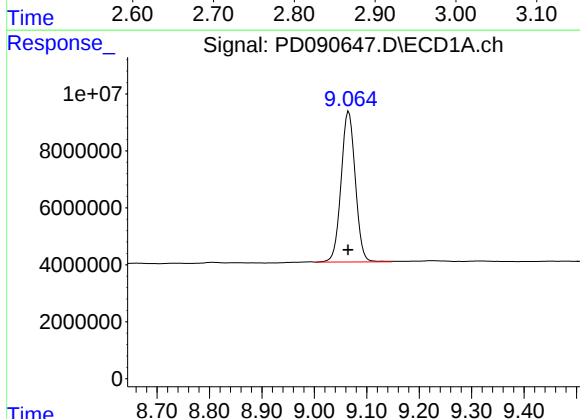
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 60526543
Conc: 19.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



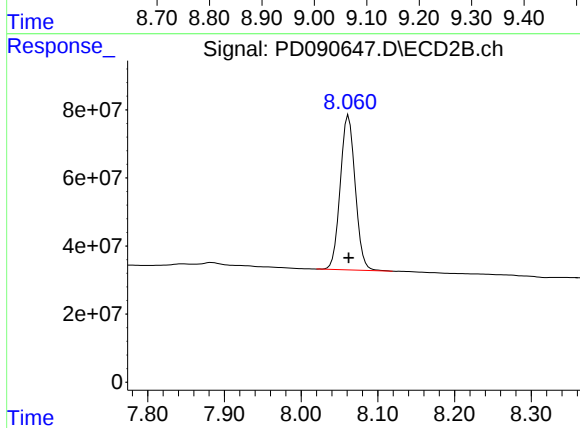
#1 Tetrachloro-m-xylene

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



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090722.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PD090722.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.1			57 - 171	111%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.1			61 - 148	110%	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\PD102125\
Data File : PD090722.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:44
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 23 13:08:59 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...	3.544	2.873	66212700	656.5E6	21.262	22.047
28)	SA Decachlor...	9.067	8.060	99330229	670.8E6	21.234	22.144

Target Compounds

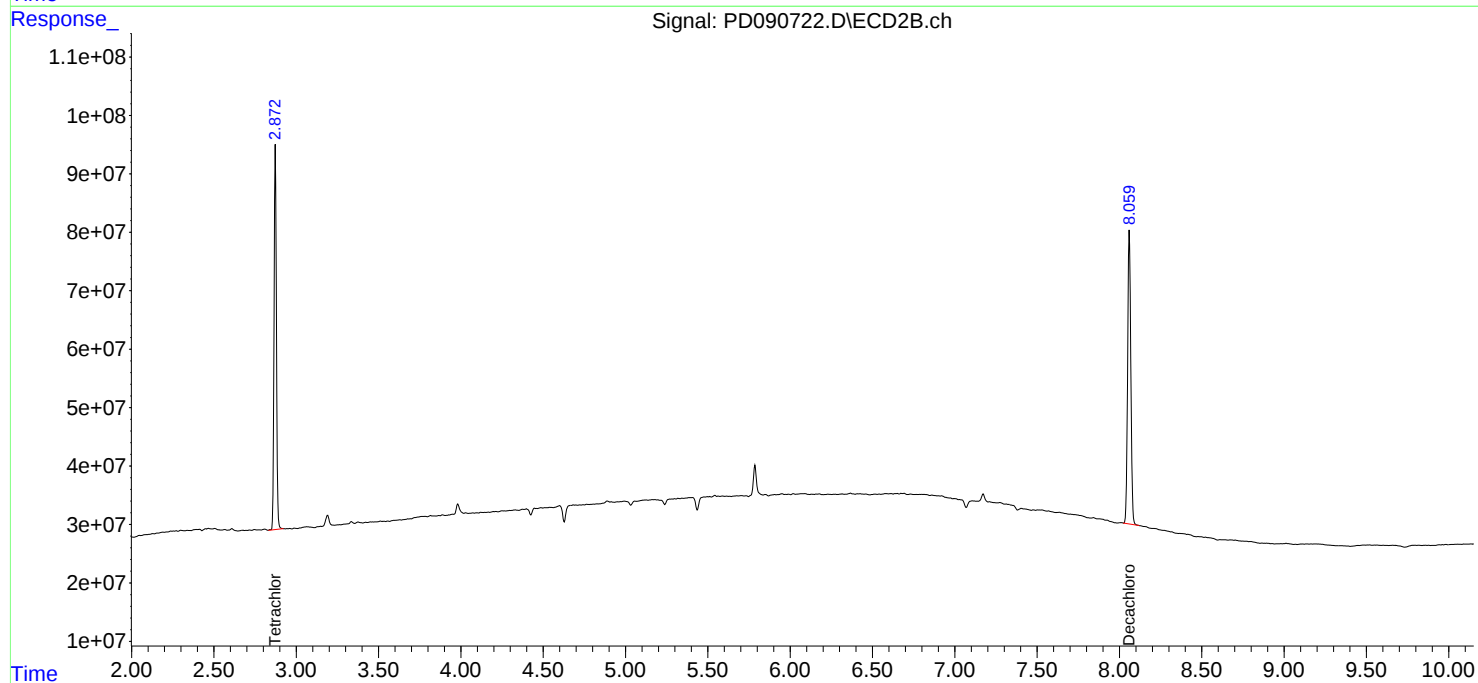
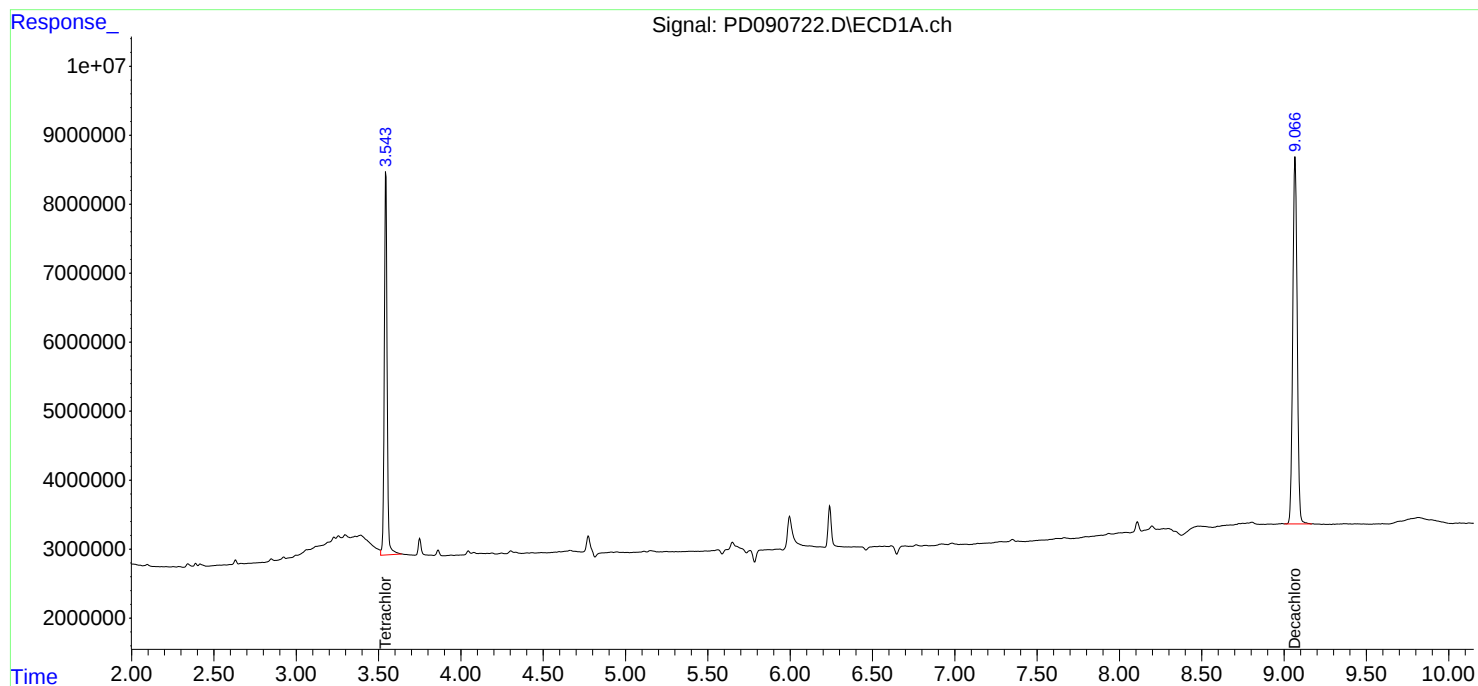
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

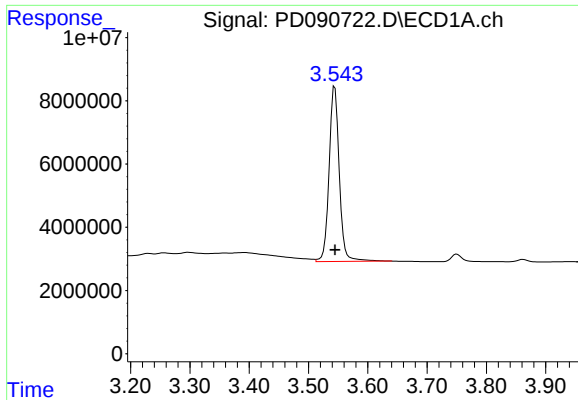
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090722.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:08:59 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

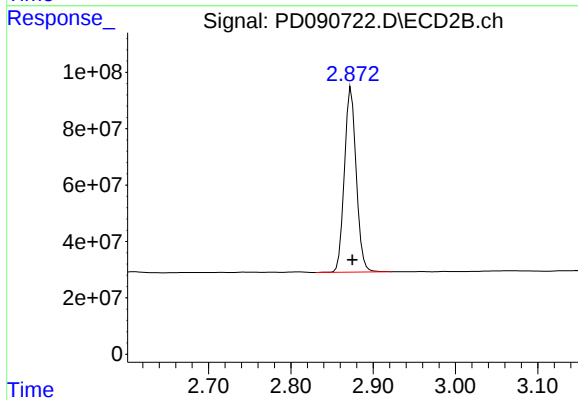




#1 Tetrachloro-m-xylene

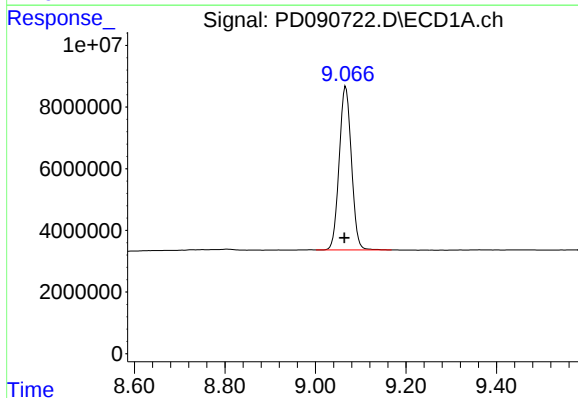
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 66212700
Conc: 21.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



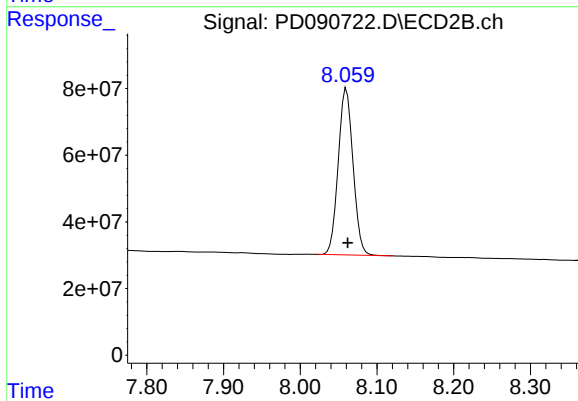
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 656500074
Conc: 22.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 99330229
Conc: 21.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 670763646
Conc: 22.14 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090732.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PD090732.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.7			57 - 171	114%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:27
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 23 13:10:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.875	63466309	628.9E6	20.380	21.119
28)	SA Decachlor...	9.066	8.061	97468525	687.6E6	20.836	22.701

Target Compounds

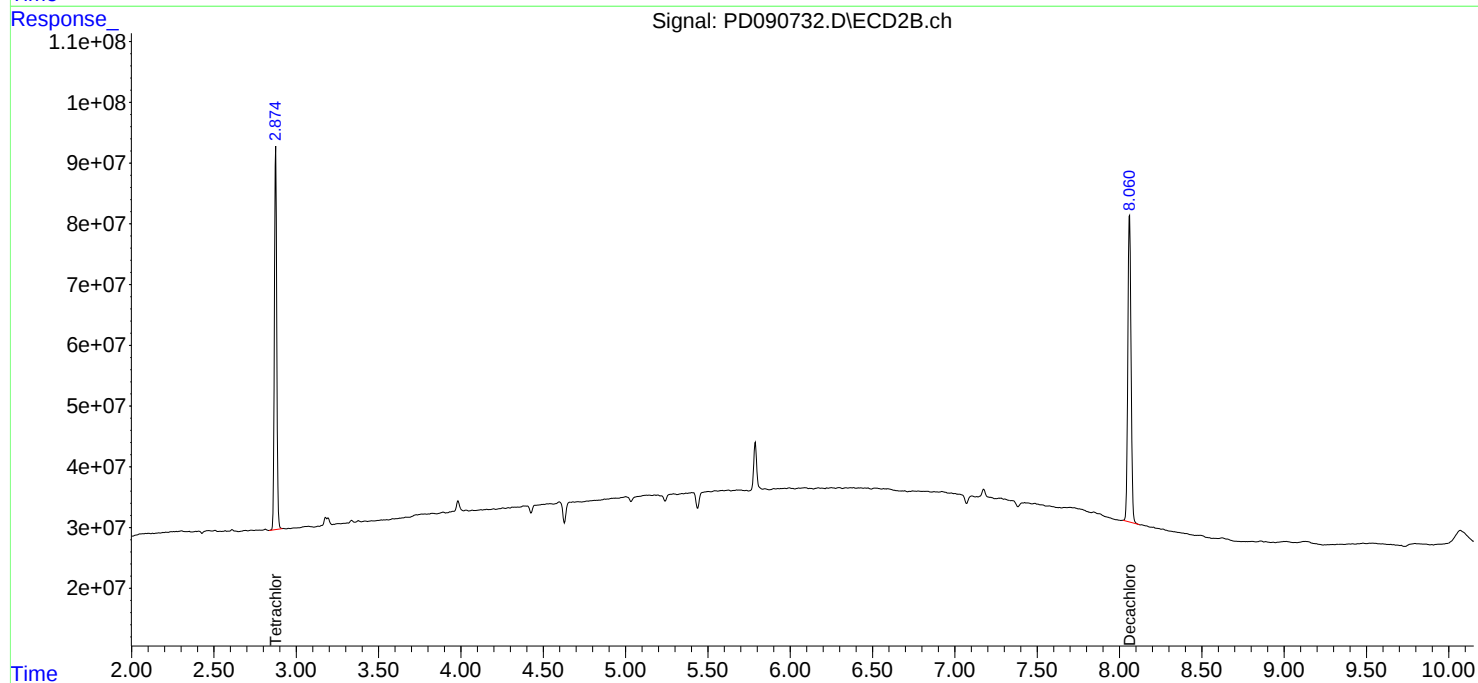
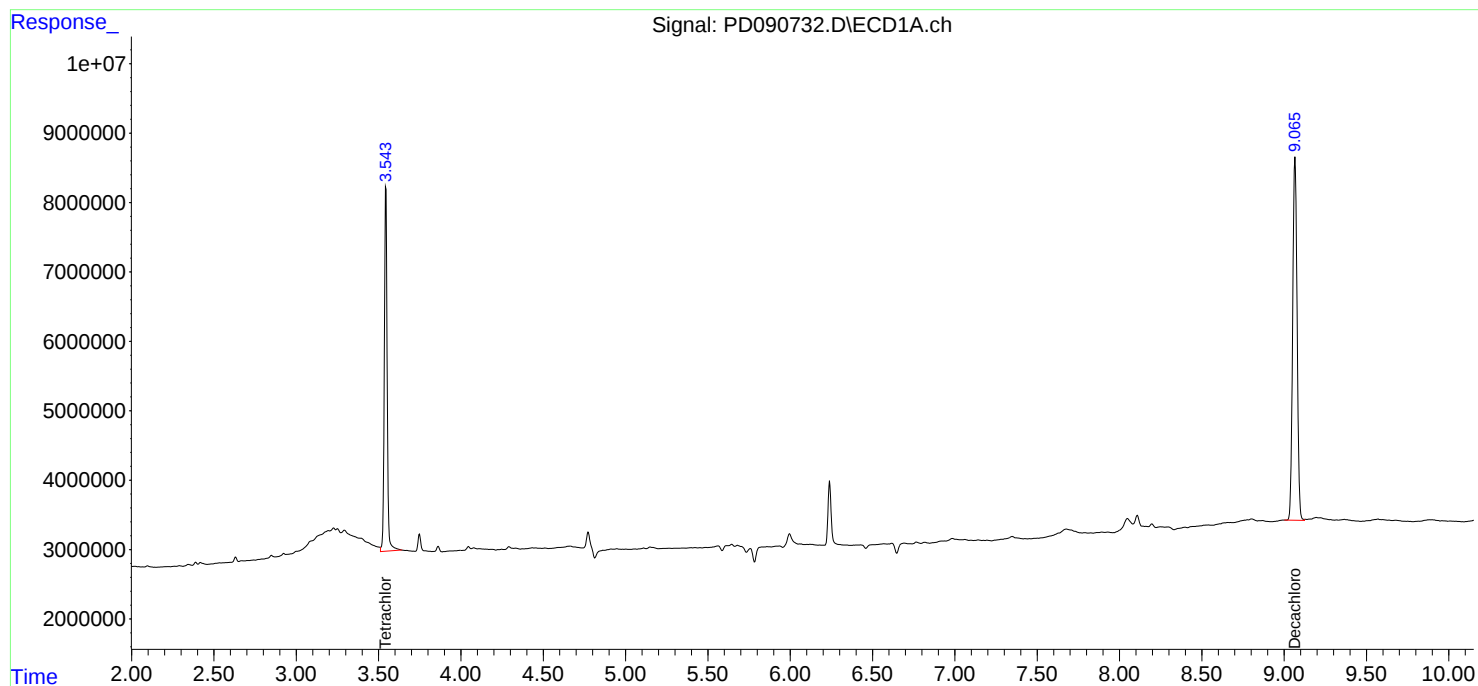
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

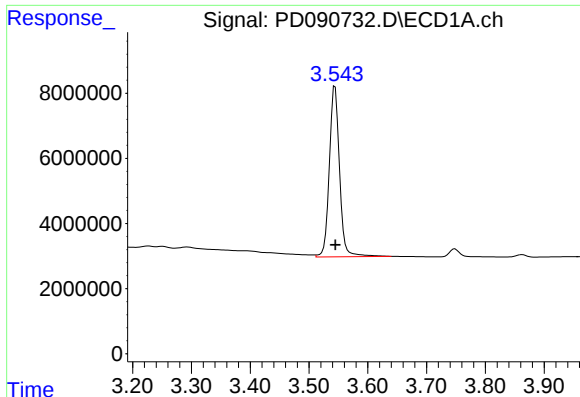
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:10:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

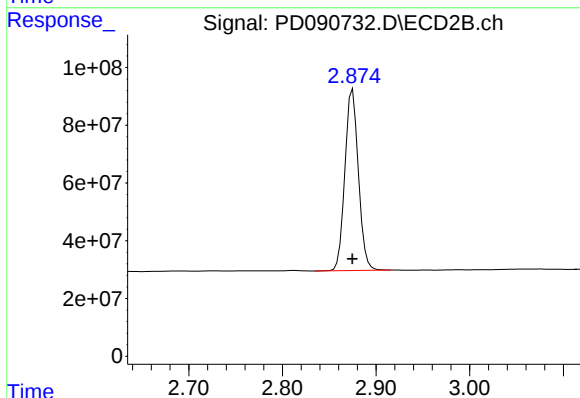




#1 Tetrachloro-m-xylene

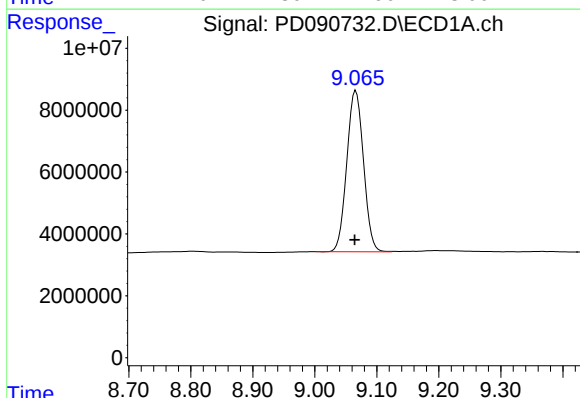
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 63466309
Conc: 20.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



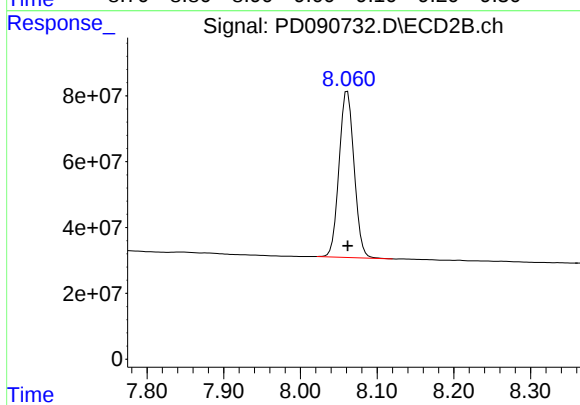
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 628872801
Conc: 21.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 97468525
Conc: 20.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 687645514
Conc: 22.70 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090744.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PD090744.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.9			57 - 171	115%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.8			61 - 148	104%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 19:10
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:12:34 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	62704890	618.9E6	20.135	20.784
28)	SA Decachlor...	9.067	8.061	98081432	694.0E6	20.967	22.909

Target Compounds

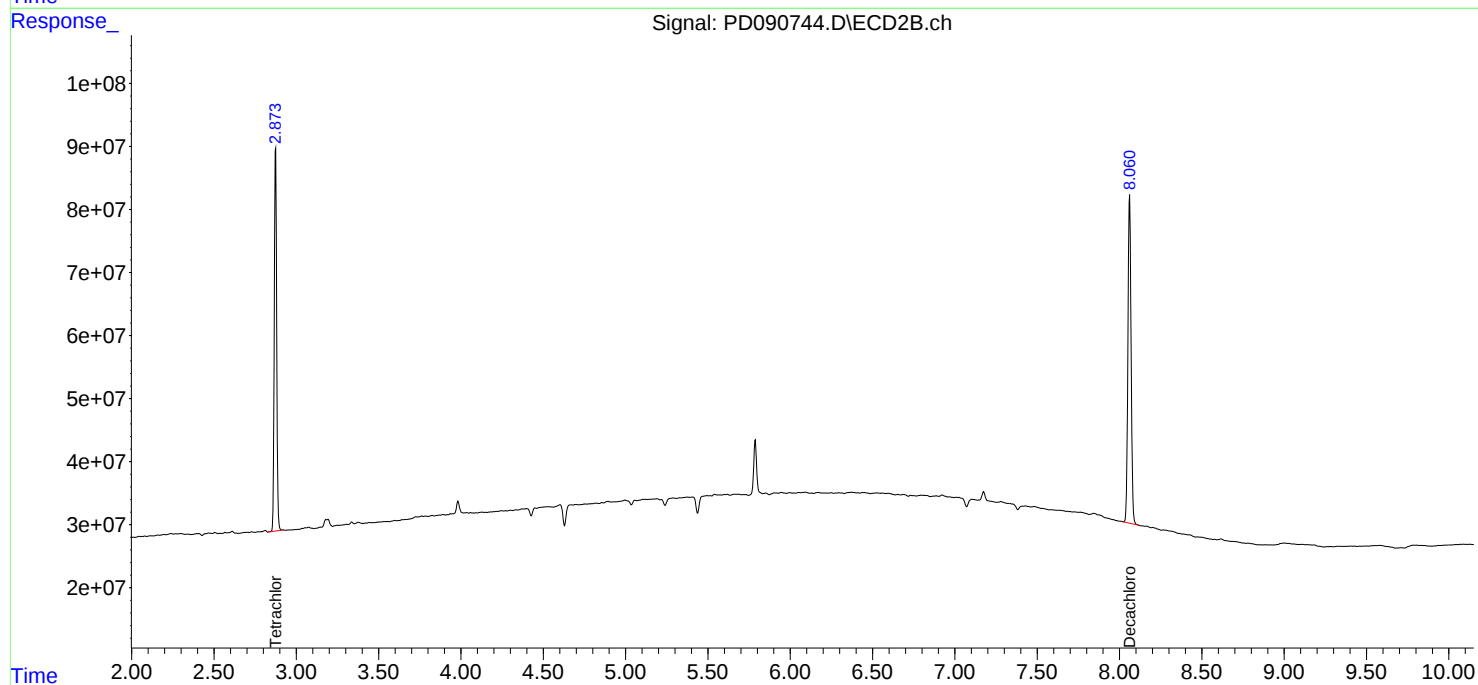
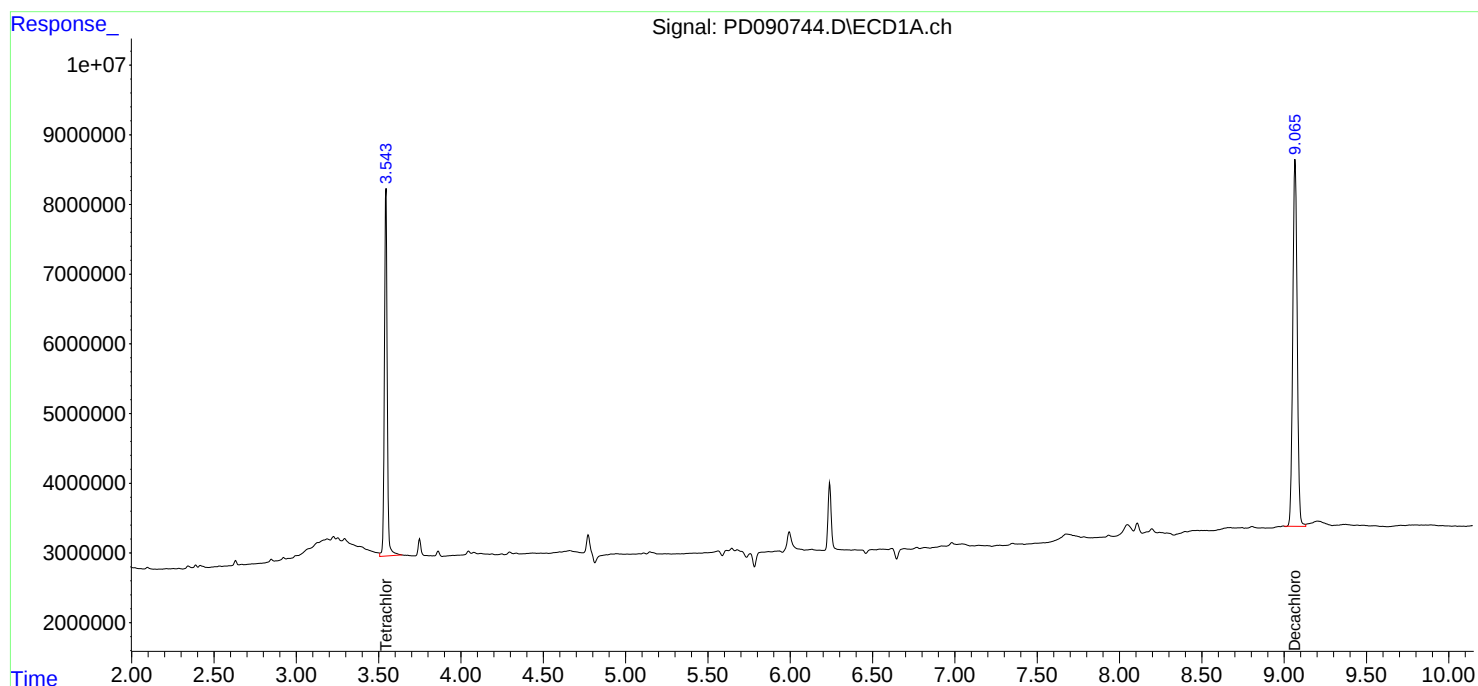
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

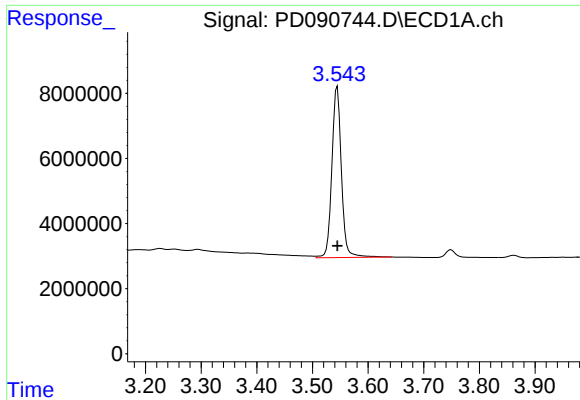
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 19:10
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:12:34 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

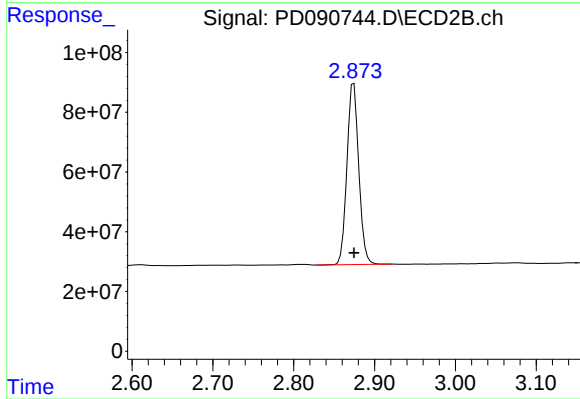




#1 Tetrachloro-m-xylene

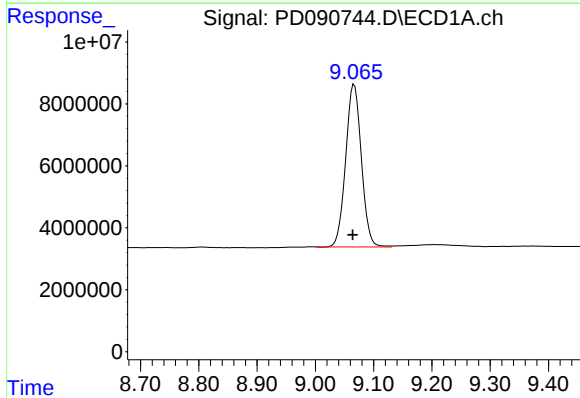
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 62704890
Conc: 20.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



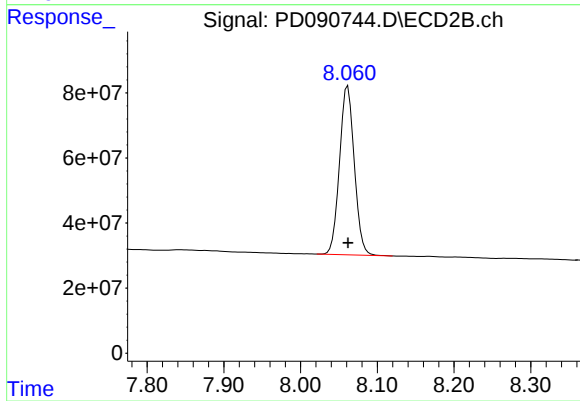
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 618892202
Conc: 20.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.002 min
Response: 98081432
Conc: 20.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 693957607
Conc: 22.91 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090750.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PD090750.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.4			57 - 171	122%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.5			61 - 148	108%	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\PD102125\
Data File : PD090750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 21:13
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 23 13:13:37 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	64393045	640.1E6	20.677	21.496
28)	SA Decachlor...	9.066	8.061	103.1E6	739.9E6	22.031	24.425

Target Compounds

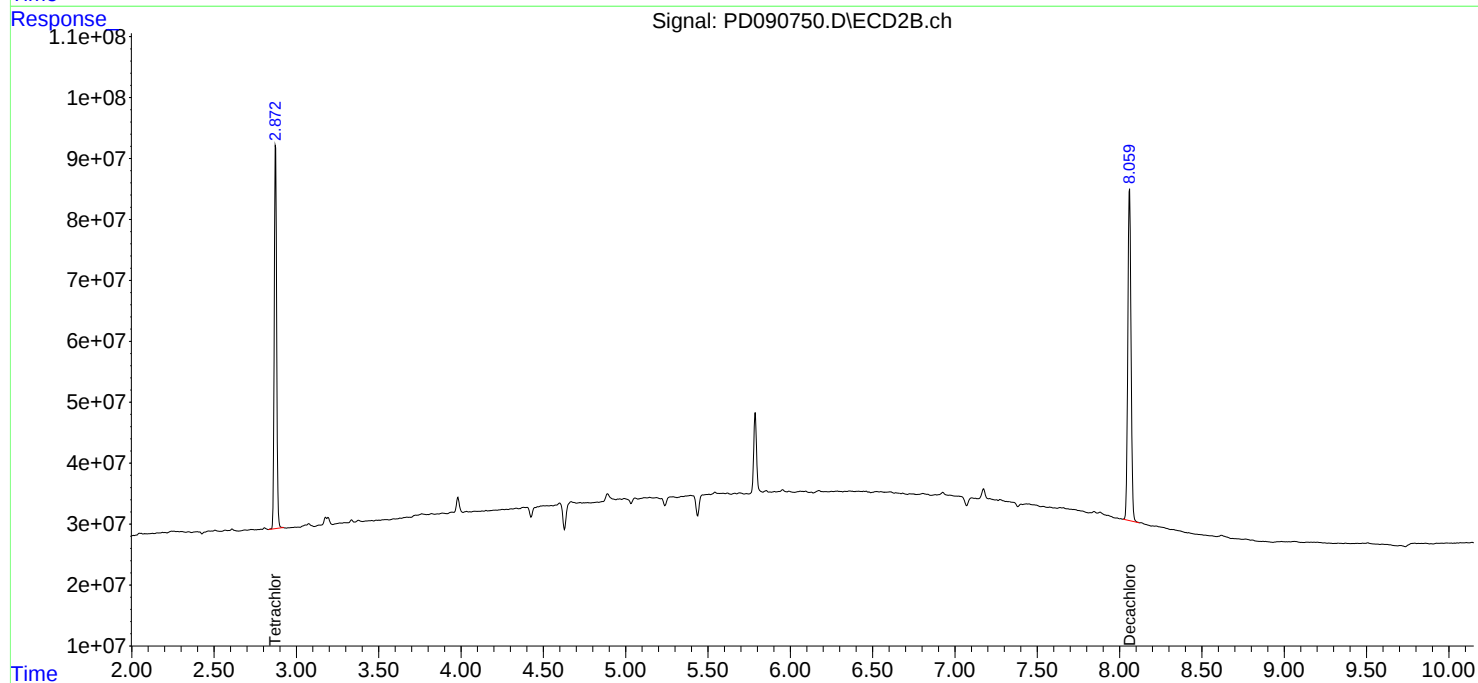
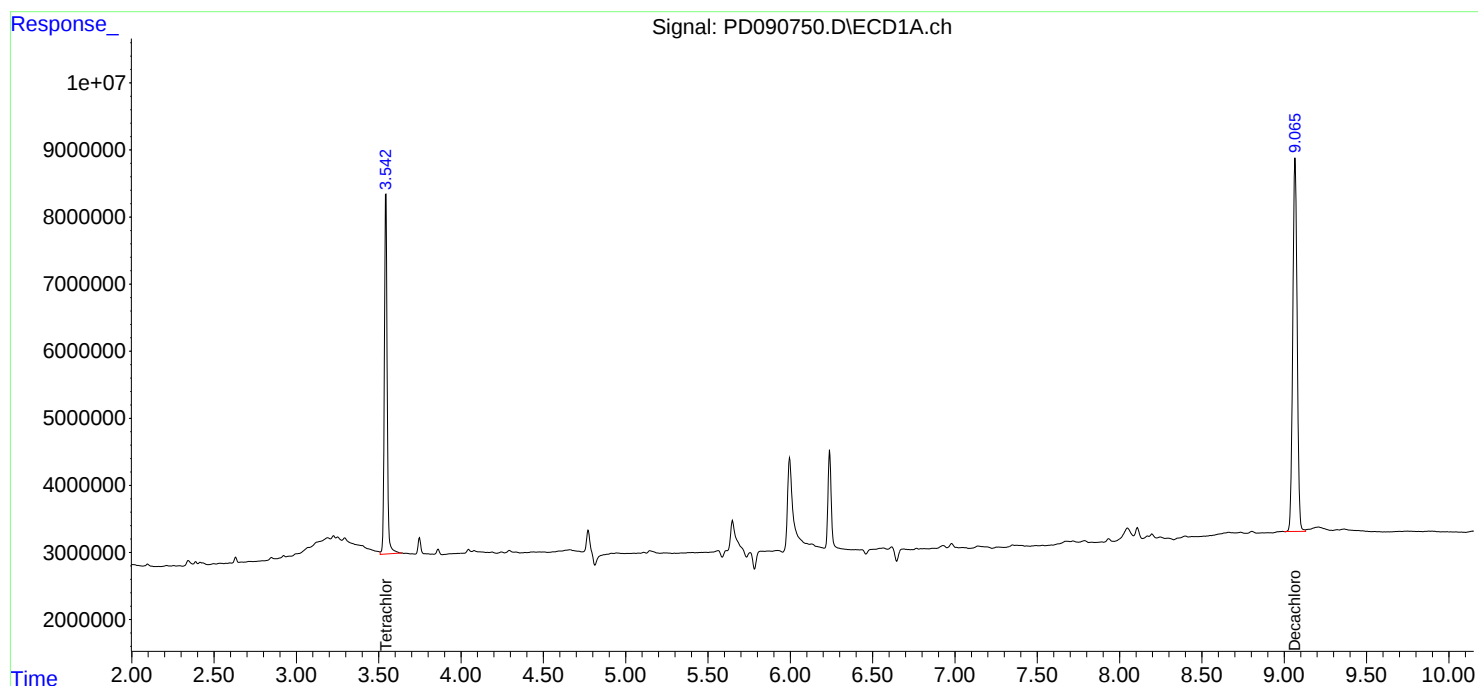
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

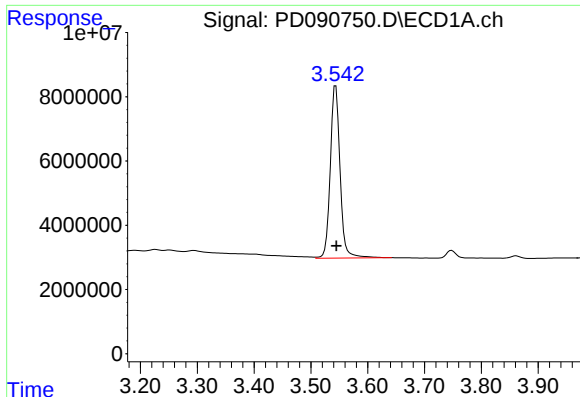
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 21:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:13:37 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

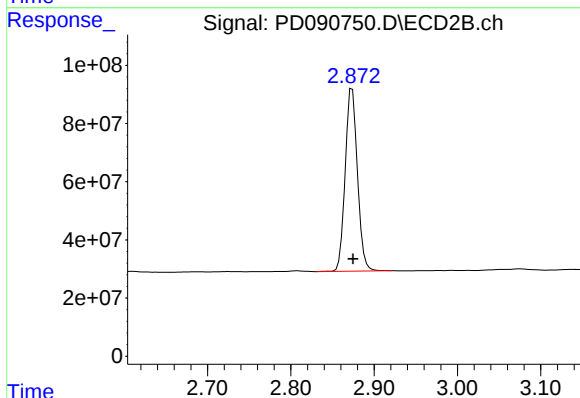




#1 Tetrachloro-m-xylene

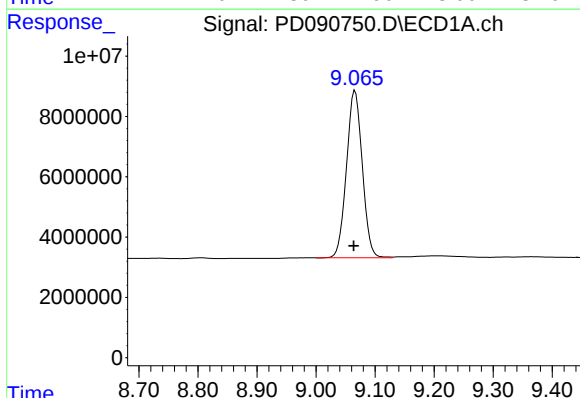
R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 64393045
Conc: 20.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



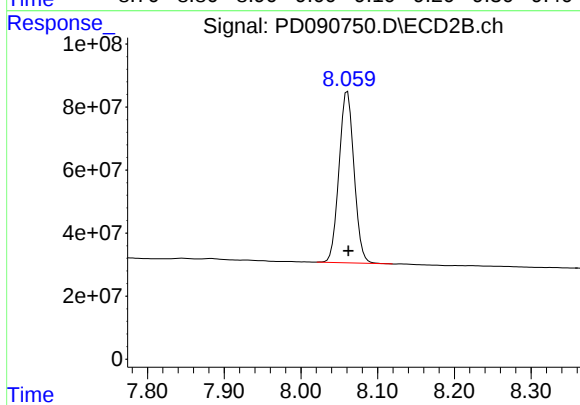
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 640099598
Conc: 21.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 103060058
Conc: 22.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 739878556
Conc: 24.43 ng/ml



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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:	PB170179BS		SDG No.:	Q3393
Lab Sample ID:	PB170179BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B	Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	14.8		1	0.13	1.70	ug/kg	10/21/25 14:58	PB170179
319-85-7	beta-BHC	14.8		1	0.18	1.70	ug/kg	10/21/25 14:58	PB170179
319-86-8	delta-BHC	15.0		1	0.39	1.70	ug/kg	10/21/25 14:58	PB170179
58-89-9	gamma-BHC (Lindane)	14.9		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
76-44-8	Heptachlor	17.5		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
309-00-2	Aldrin	14.9		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
1024-57-3	Heptachlor epoxide	15.1		1	0.19	1.70	ug/kg	10/21/25 14:58	PB170179
959-98-8	Endosulfan I	14.9		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
60-57-1	Dieldrin	15.3		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-55-9	4,4-DDE	15.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-20-8	Endrin	15.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
33213-65-9	Endosulfan II	15.4		1	0.29	1.70	ug/kg	10/21/25 14:58	PB170179
72-54-8	4,4-DDD	15.4		1	0.15	1.70	ug/kg	10/21/25 14:58	PB170179
1031-07-8	Endosulfan Sulfate	15.6		1	0.13	1.70	ug/kg	10/21/25 14:58	PB170179
50-29-3	4,4-DDT	16.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-43-5	Methoxychlor	16.0		1	0.37	1.70	ug/kg	10/21/25 14:58	PB170179
53494-70-5	Endrin ketone	15.8		1	0.19	1.70	ug/kg	10/21/25 14:58	PB170179
7421-93-4	Endrin aldehyde	15.8		1	0.37	1.70	ug/kg	10/21/25 14:58	PB170179
5103-71-9	alpha-Chlordane	15.1		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
5103-74-2	gamma-Chlordane	15.1		1	0.15	1.70	ug/kg	10/21/25 14:58	PB170179
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/21/25 14:58	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.9			20 - 144	110%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.1			19 - 148	86%	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\PD102125\
 Data File : PD090726.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 14:58
 Operator : AR\AJ
 Sample : PB170179BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170179BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:09:59 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...	3.544	2.873	52347691	510.5E6	16.810	17.143
28)	SA Decachlor...	9.067	8.061	94745568	664.2E6	20.254	21.928
Target Compounds							
2)	A alpha-BHC	3.994	3.385	318.0E6	2256.7E6	44.309	44.166
3)	MA gamma-BHC...	4.325	3.721	300.1E6	2105.7E6	44.135	44.566
4)	MA Heptachlor	4.923	4.073	293.6E6	2021.8E6	52.521	45.330
5)	MB Aldrin	5.264	4.359	292.1E6	2077.5E6	44.616	44.852
6)	B beta-BHC	4.512	4.018	115.1E6	883.4E6	43.938	44.550
7)	B delta-BHC	4.760	4.254	304.3E6	2140.8E6	45.001	44.865
8)	B Heptachlo...	5.685	4.863	261.9E6	1898.4E6	45.244	44.523
9)	A Endosulfan I	6.069	5.237	247.0E6	1748.4E6	44.617	44.386
10)	B gamma-Chl...	5.940	5.115	263.1E6	2032.6E6	44.356	45.221
11)	B alpha-Chl...	6.021	5.180	267.5E6	1951.1E6	43.288	45.230
12)	B 4,4'-DDE	6.191	5.364	233.8E6	1994.5E6	43.885	45.496
13)	MA Dieldrin	6.342	5.503	263.7E6	2022.3E6	45.219	45.769
14)	MA Endrin	6.569	5.779	225.0E6	1850.5E6	45.413	45.697
15)	B Endosulfa...	6.782	6.071	226.6E6	1737.3E6	45.314	46.259
16)	A 4,4'-DDD	6.701	5.919	187.6E6	1665.9E6	46.279	45.719
17)	MA 4,4'-DDT	7.017	6.173	196.3E6	1703.7E6	47.748	48.577
18)	B Endrin al...	6.911	6.249	169.0E6	1308.9E6	46.141	47.266
19)	B Endosulfa...	7.145	6.472	207.8E6	1673.5E6	44.799	46.686
20)	A Methoxychlor	7.490	6.744	99232437	836.3E6	46.685	47.986
21)	B Endrin ke...	7.626	6.982	219.8E6	1793.7E6	45.237	47.555
22)	Mirex	8.109	7.175	152.3E6	1279.6E6	47.595	49.808

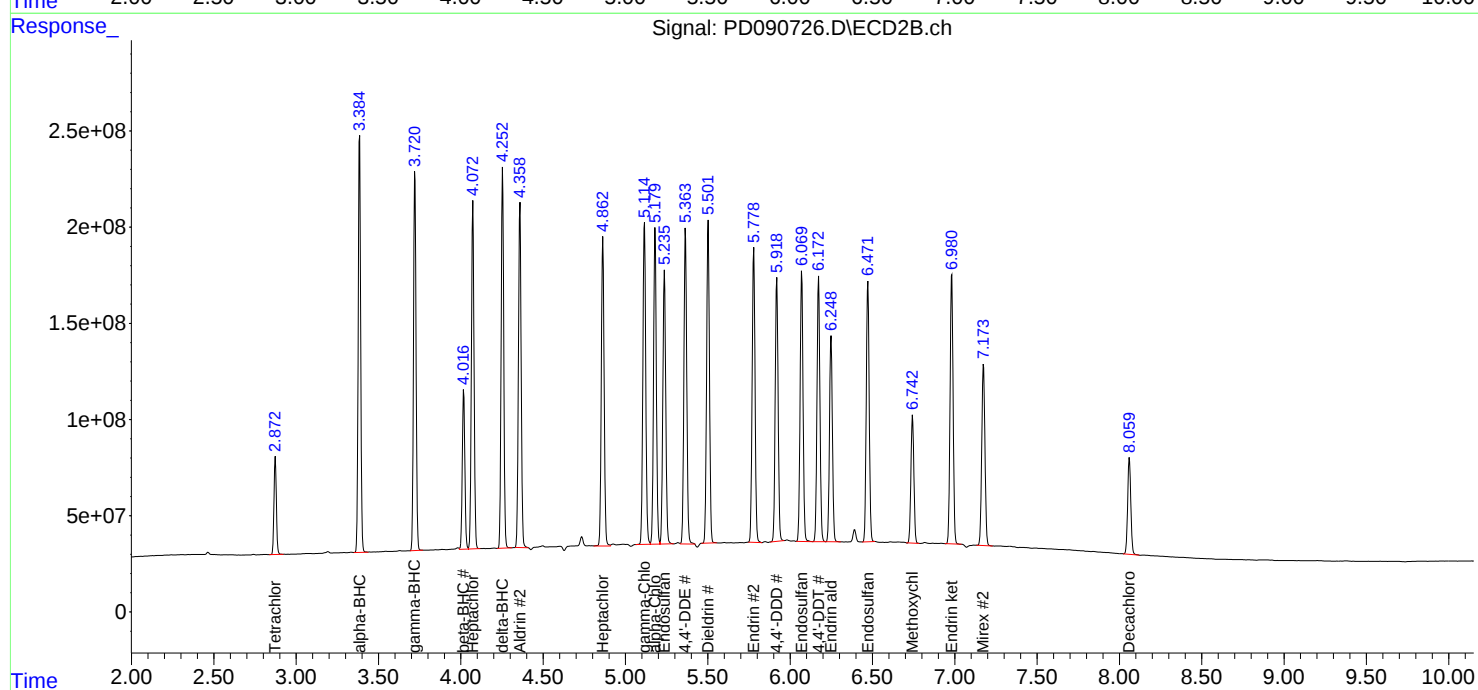
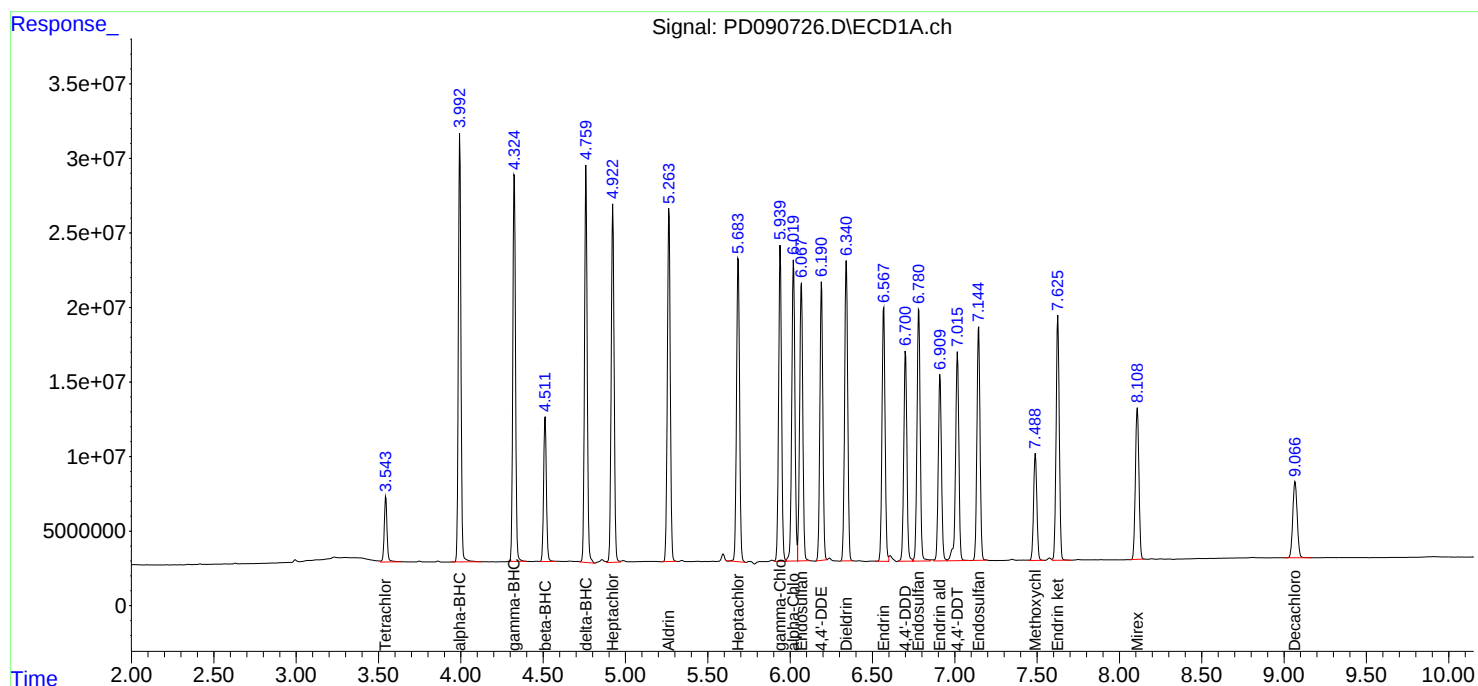
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

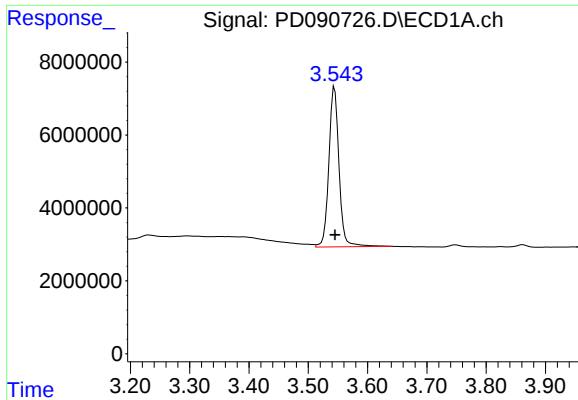
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:58
Operator : AR\AJ
Sample : PB170179BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170179BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:09:59 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

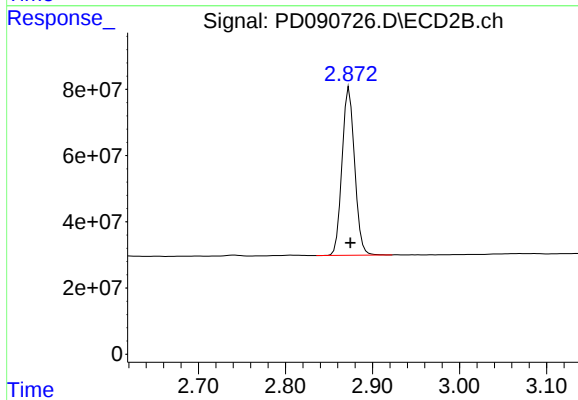




#1 Tetrachloro-m-xylene

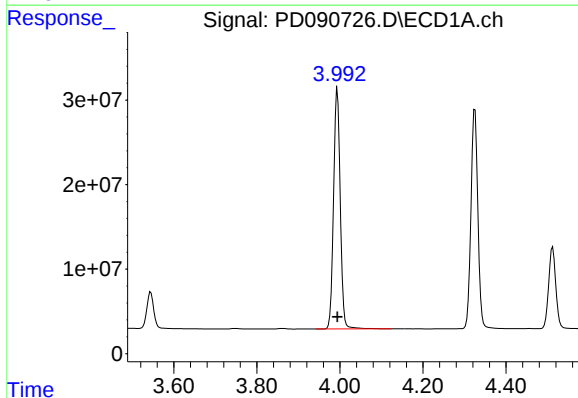
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 52347691
Conc: 16.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS



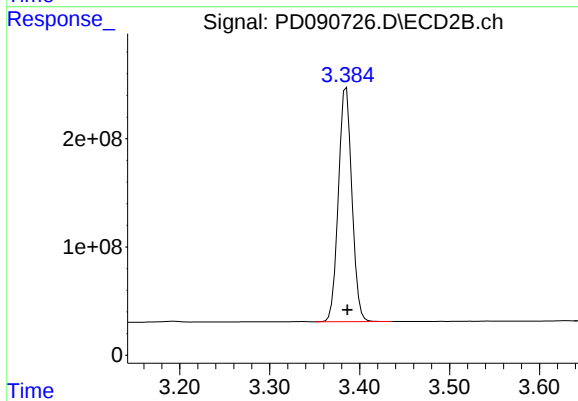
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 510474135
Conc: 17.14 ng/ml



#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 318011091
Conc: 44.31 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2256692248
Conc: 44.17 ng/ml

Response_

Signal: PD090726.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.325 min

Delta R.T.: 0.000 min

Response: 300063792

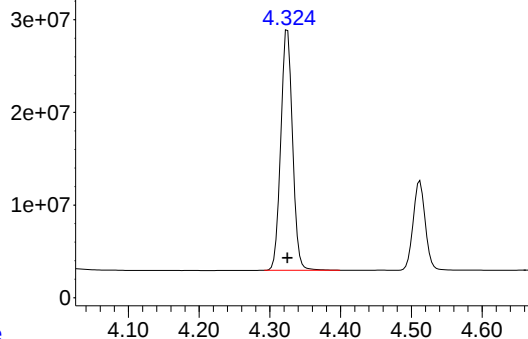
Conc: 44.13 ng/ml

Instrument :

ECD_D

ClientSampleId :

PB170179BS



Time

Response_

Signal: PD090726.D\ECD2B.ch

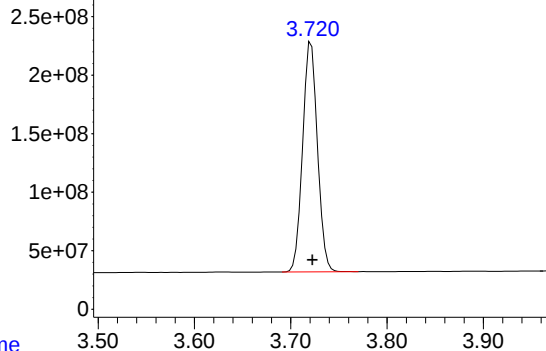
#3 gamma-BHC (Lindane)

R.T.: 3.721 min

Delta R.T.: -0.001 min

Response: 2105704498

Conc: 44.57 ng/ml



Time

Response_

Signal: PD090726.D\ECD1A.ch

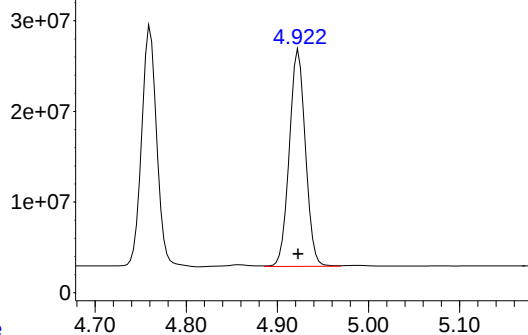
#4 Heptachlor

R.T.: 4.923 min

Delta R.T.: 0.000 min

Response: 293569594

Conc: 52.52 ng/ml



Time

Response_

Signal: PD090726.D\ECD2B.ch

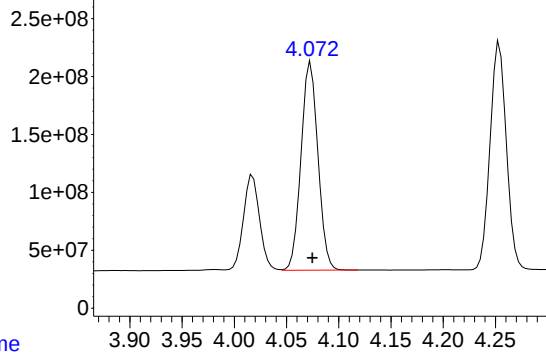
#4 Heptachlor

R.T.: 4.073 min

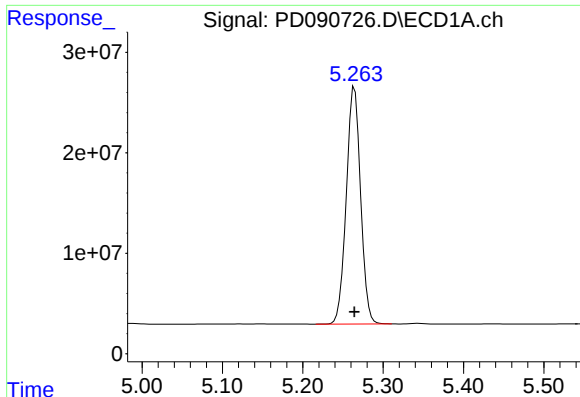
Delta R.T.: -0.002 min

Response: 2021825982

Conc: 45.33 ng/ml



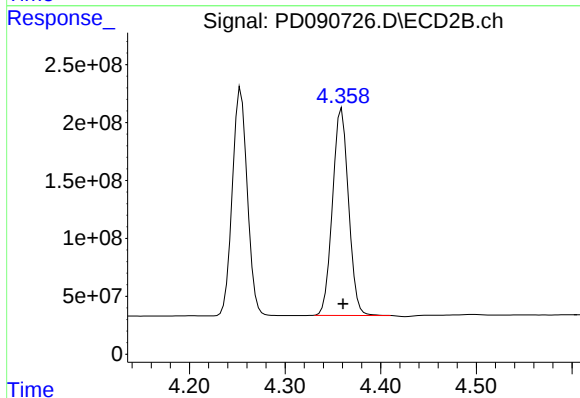
Time



#5 Aldrin

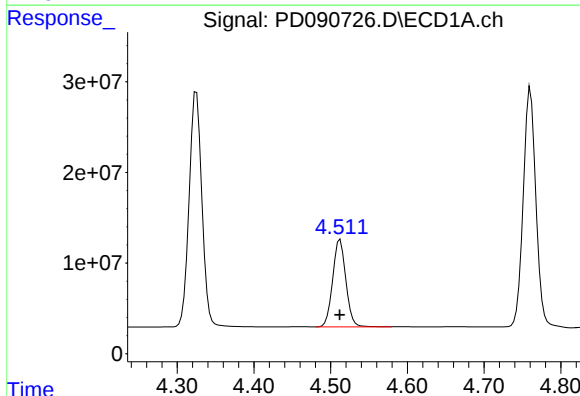
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 292115512
Conc: 44.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS



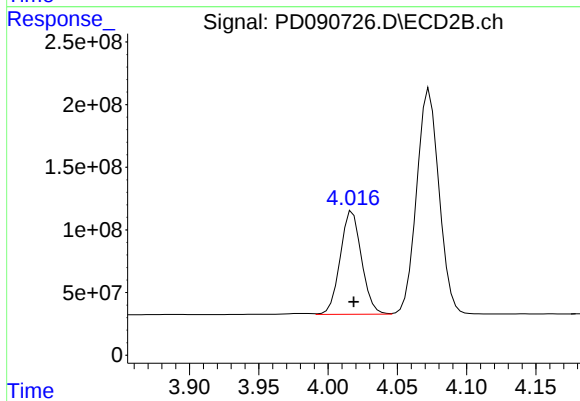
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.001 min
Response: 2077499717
Conc: 44.85 ng/ml



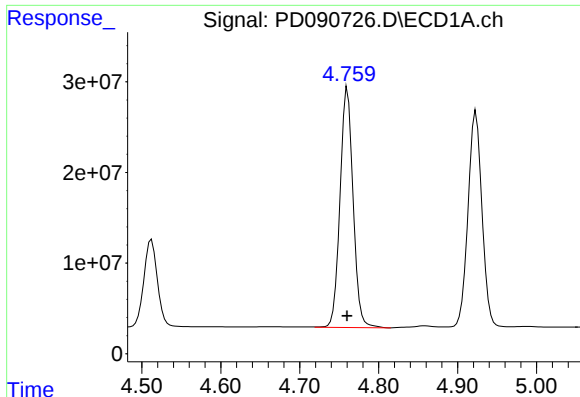
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 115100838
Conc: 43.94 ng/ml



#6 beta-BHC

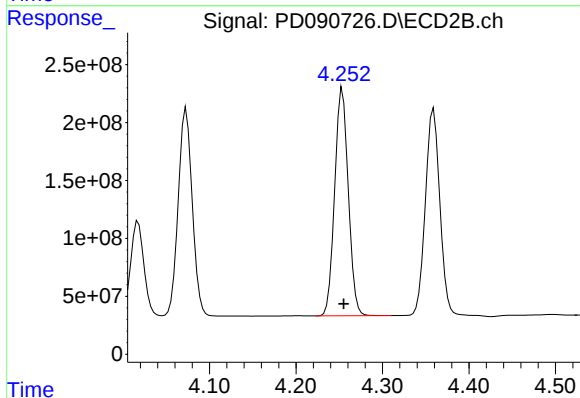
R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 883400099
Conc: 44.55 ng/ml



#7 delta-BHC

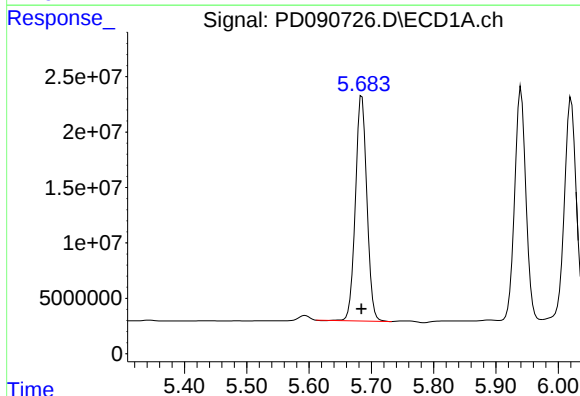
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 304286418
Conc: 45.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS



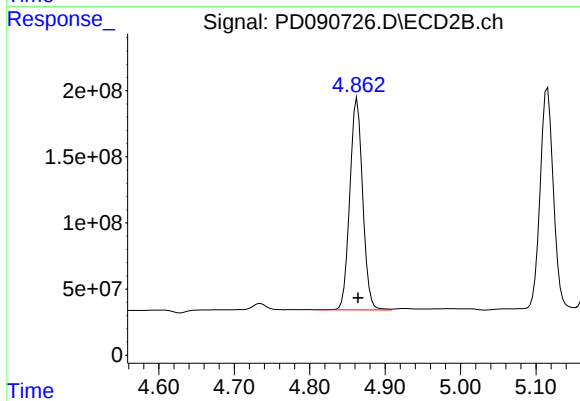
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2140829905
Conc: 44.87 ng/ml



#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 261921271
Conc: 45.24 ng/ml

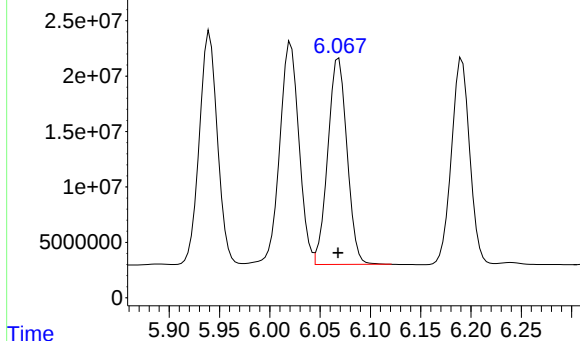


#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.001 min
Response: 1898403166
Conc: 44.52 ng/ml

Response_ Signal: PD090726.D\ECD1A.ch

#9 Endosulfan I

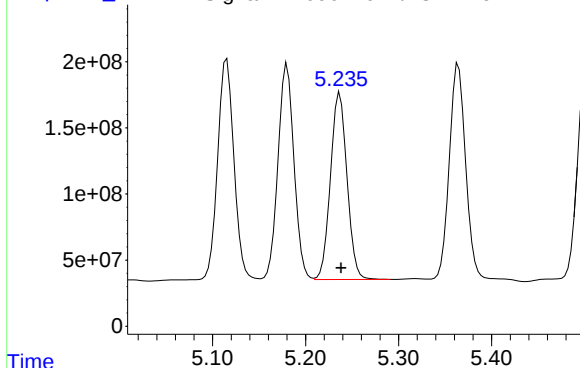


R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 247029277
Conc: 44.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS

Time Response_ Signal: PD090726.D\ECD2B.ch

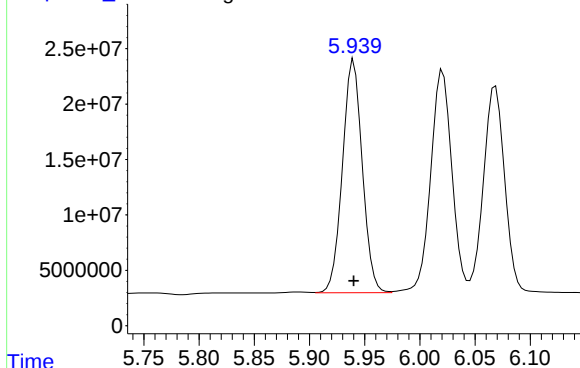
#9 Endosulfan I



R.T.: 5.237 min
Delta R.T.: -0.001 min
Response: 1748370499
Conc: 44.39 ng/ml

Time Response_ Signal: PD090726.D\ECD1A.ch

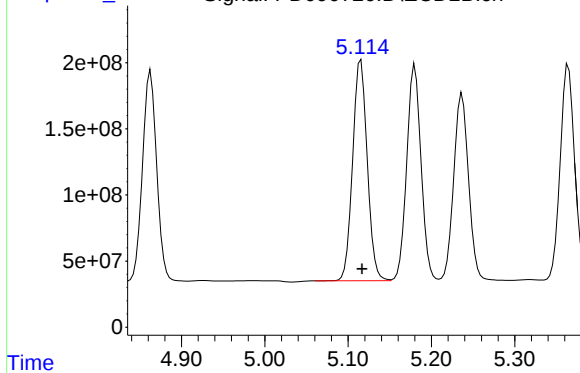
#10 gamma-Chlordane



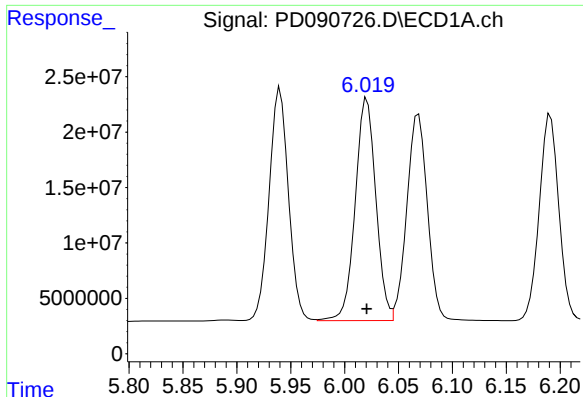
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 263082414
Conc: 44.36 ng/ml

Time Response_ Signal: PD090726.D\ECD2B.ch

#10 gamma-Chlordane



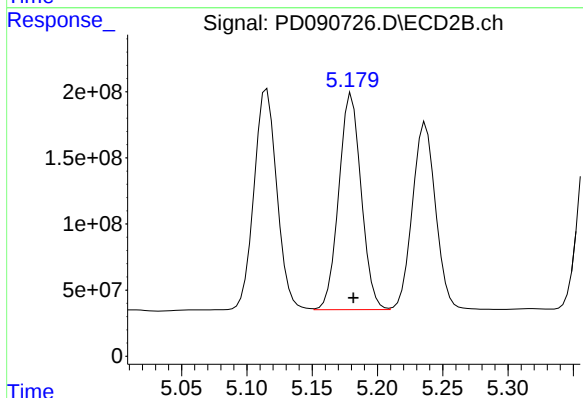
R.T.: 5.115 min
Delta R.T.: -0.001 min
Response: 2032616266
Conc: 45.22 ng/ml



#11 alpha-Chlordane

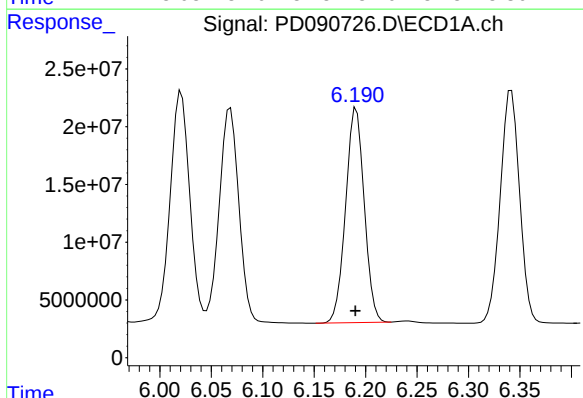
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 267531640
Conc: 43.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS



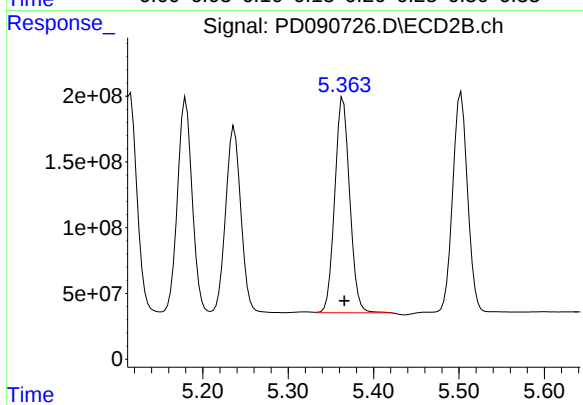
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 1951124835
Conc: 45.23 ng/ml



#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 233760236
Conc: 43.89 ng/ml

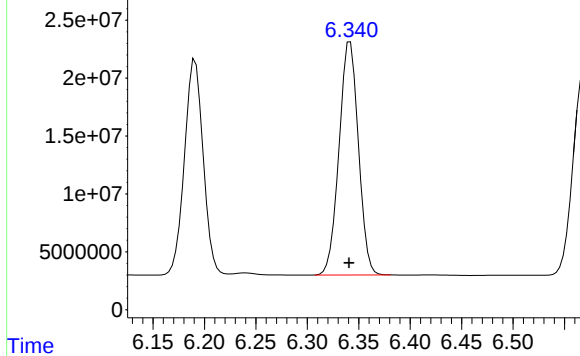


#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 1994458509
Conc: 45.50 ng/ml

Response_ Signal: PD090726.D\ECD1A.ch

#13 Dieldrin

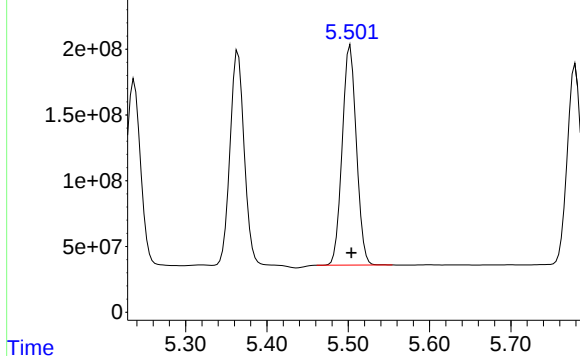


R.T.: 6.342 min
Delta R.T.: 0.001 min
Response: 263686366
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS

Response_ Signal: PD090726.D\ECD2B.ch

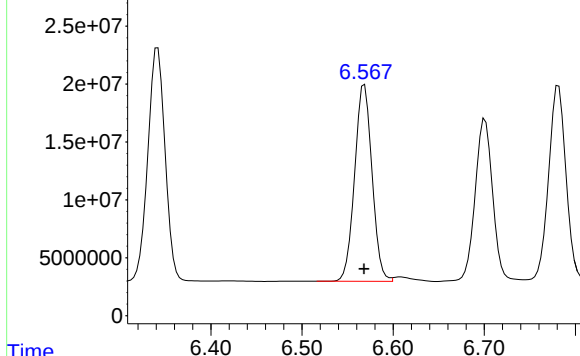
#13 Dieldrin



R.T.: 5.503 min
Delta R.T.: -0.001 min
Response: 2022258941
Conc: 45.77 ng/ml

Response_ Signal: PD090726.D\ECD1A.ch

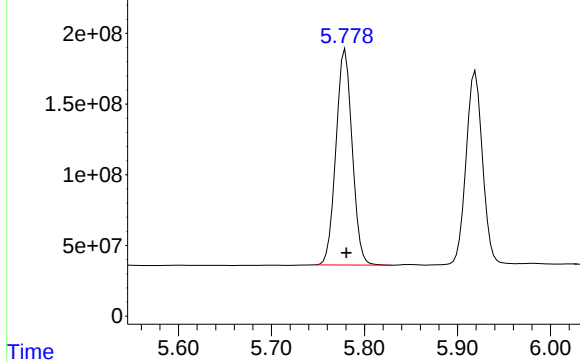
#14 Endrin



R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 224962028
Conc: 45.41 ng/ml

Response_ Signal: PD090726.D\ECD2B.ch

#14 Endrin



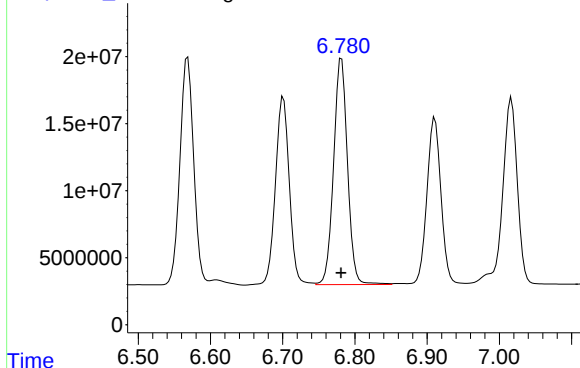
R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 1850469206
Conc: 45.70 ng/ml

Response_ Signal: PD090726.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 226567613
Conc: 45.31 ng/ml

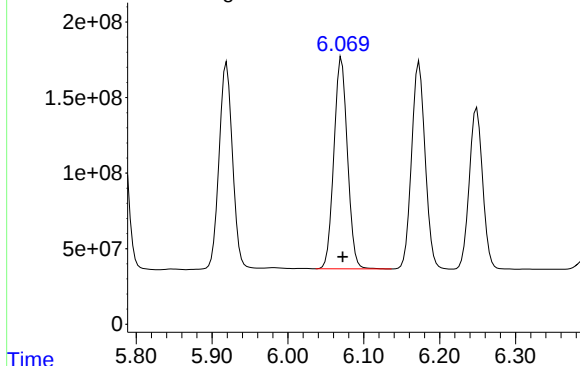
Instrument :
ECD_D
ClientSampleId :
PB170179BS



Time Response_ Signal: PD090726.D\ECD2B.ch

#15 Endosulfan II

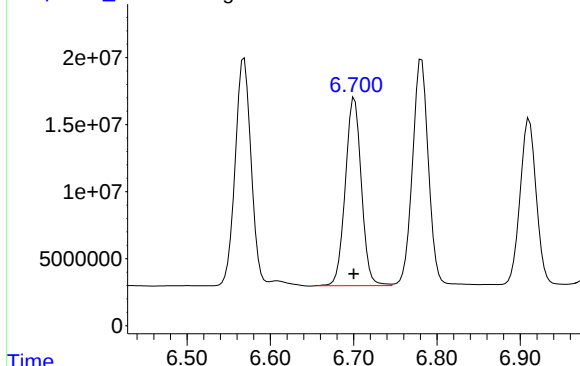
R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 1737287073
Conc: 46.26 ng/ml



Time Response_ Signal: PD090726.D\ECD1A.ch

#16 4,4'-DDD

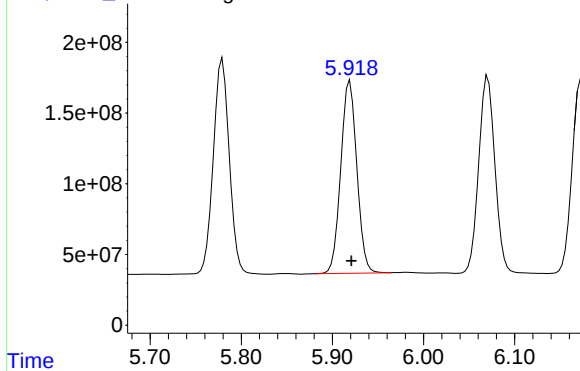
R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 187625738
Conc: 46.28 ng/ml

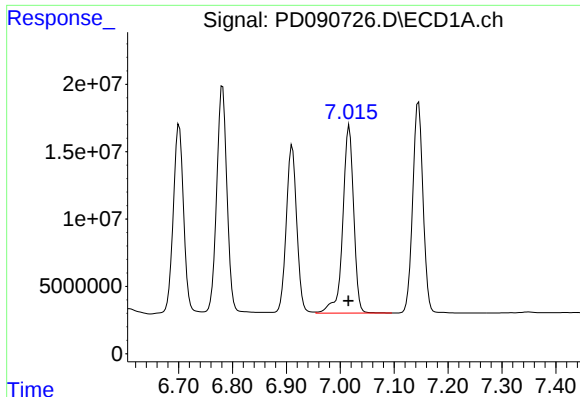


Time Response_ Signal: PD090726.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1665921497
Conc: 45.72 ng/ml

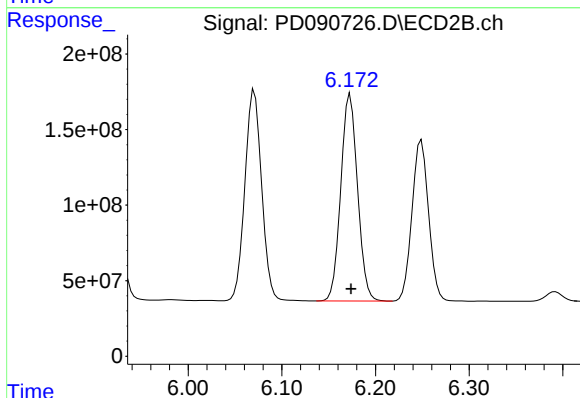




#17 4,4'-DDT

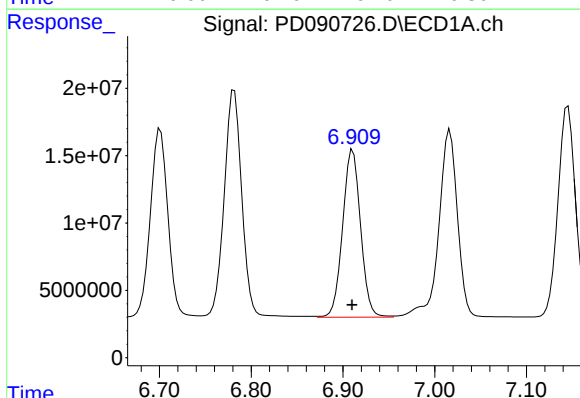
R.T.: 7.017 min
Delta R.T.: 0.001 min
Response: 196267844
Conc: 47.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS



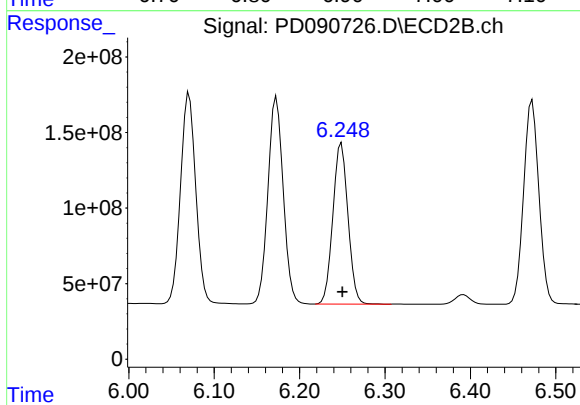
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1703736841
Conc: 48.58 ng/ml



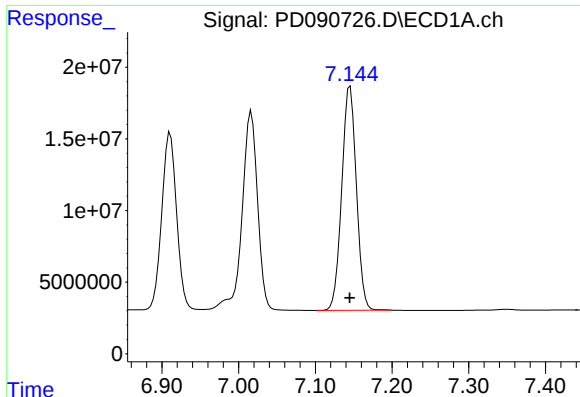
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.001 min
Response: 169001913
Conc: 46.14 ng/ml



#18 Endrin aldehyde

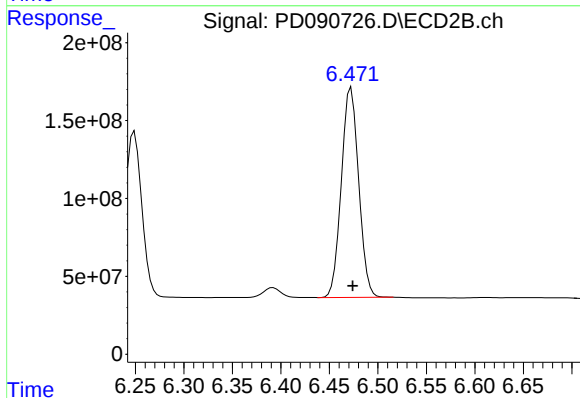
R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1308940333
Conc: 47.27 ng/ml



#19 Endosulfan Sulfate

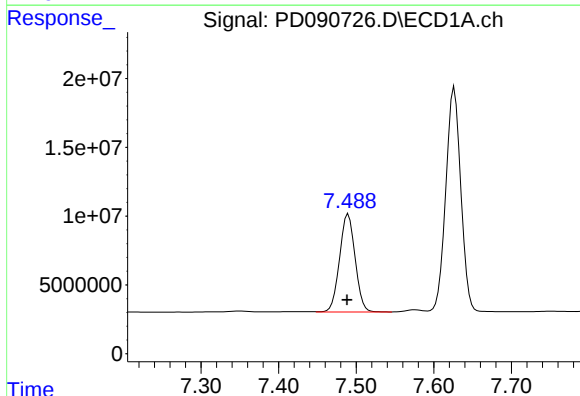
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 207786783
Conc: 44.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS



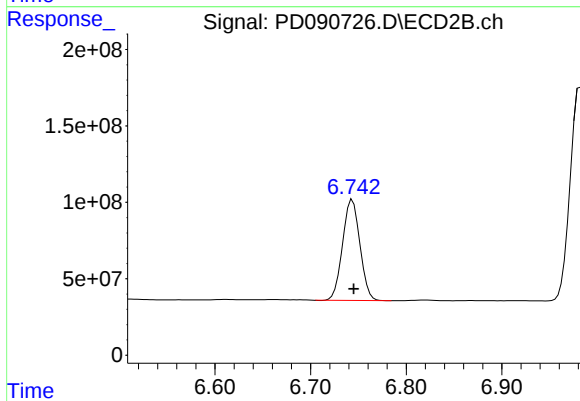
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.001 min
Response: 1673476484
Conc: 46.69 ng/ml



#20 Methoxychlor

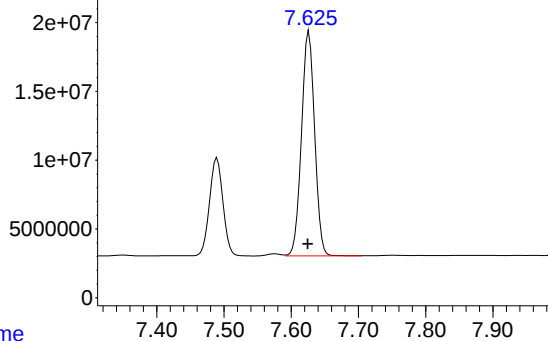
R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 99232437
Conc: 46.68 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 836294020
Conc: 47.99 ng/ml

Response_ Signal: PD090726.D\ECD1A.ch

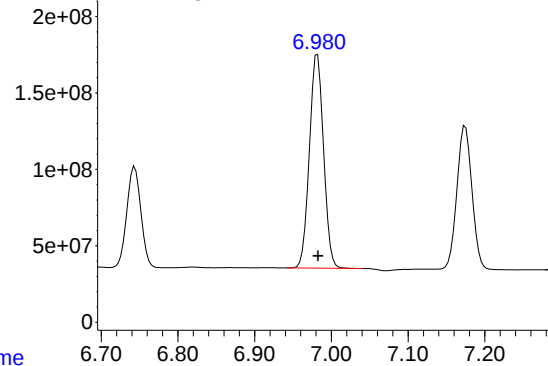


#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.002 min
Response: 219800858
Conc: 45.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS

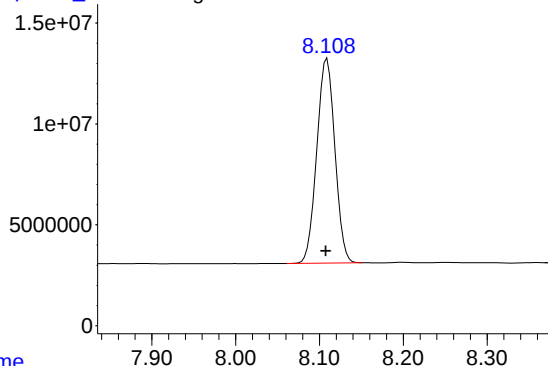
Time Response_ Signal: PD090726.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1793673045
Conc: 47.56 ng/ml

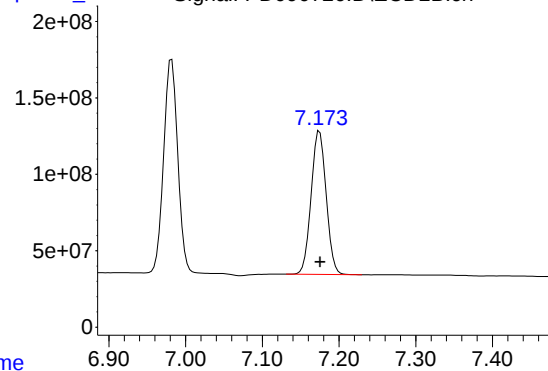
Time Response_ Signal: PD090726.D\ECD1A.ch



#22 Mirex

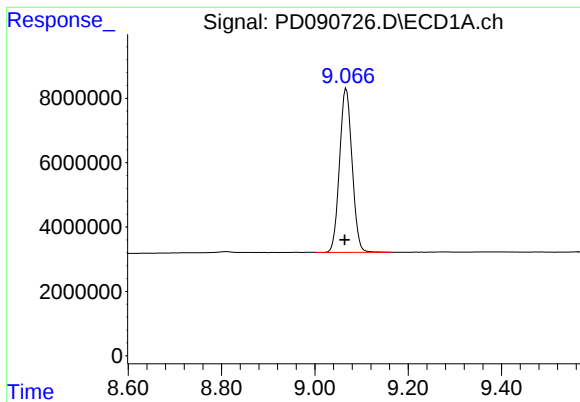
R.T.: 8.109 min
Delta R.T.: 0.002 min
Response: 152342957
Conc: 47.59 ng/ml

Time Response_ Signal: PD090726.D\ECD2B.ch



#22 Mirex

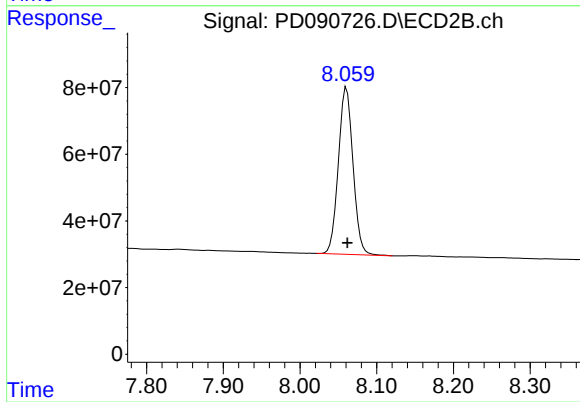
R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1279606332
Conc: 49.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 94745568
Conc: 20.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170179BS



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 664227330
Conc: 21.93 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:	41-LBMS		SDG No.:	Q3393
Lab Sample ID:	Q3402-07MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	65.9
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	24.7		1	0.20	2.60	ug/kg	10/21/25 15:59	PB170179
319-85-7	beta-BHC	23.6		1	0.27	2.60	ug/kg	10/21/25 15:59	PB170179
319-86-8	delta-BHC	24.8		1	0.59	2.60	ug/kg	10/21/25 15:59	PB170179
58-89-9	gamma-BHC (Lindane)	24.0		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
76-44-8	Heptachlor	27.9		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
309-00-2	Aldrin	24.1		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
1024-57-3	Heptachlor epoxide	24.2		1	0.29	2.60	ug/kg	10/21/25 15:59	PB170179
959-98-8	Endosulfan I	23.9		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
60-57-1	Dieldrin	24.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-55-9	4,4-DDE	24.1		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-20-8	Endrin	24.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
33213-65-9	Endosulfan II	24.5		1	0.44	2.60	ug/kg	10/21/25 15:59	PB170179
72-54-8	4,4-DDD	24.6		1	0.23	2.60	ug/kg	10/21/25 15:59	PB170179
1031-07-8	Endosulfan Sulfate	24.4		1	0.20	2.60	ug/kg	10/21/25 15:59	PB170179
50-29-3	4,4-DDT	25.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-43-5	Methoxychlor	24.8		1	0.56	2.60	ug/kg	10/21/25 15:59	PB170179
53494-70-5	Endrin ketone	24.8		1	0.29	2.60	ug/kg	10/21/25 15:59	PB170179
7421-93-4	Endrin aldehyde	24.2		1	0.56	2.60	ug/kg	10/21/25 15:59	PB170179
5103-71-9	alpha-Chlordane	24.3		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
5103-74-2	gamma-Chlordane	24.4		1	0.23	2.60	ug/kg	10/21/25 15:59	PB170179
8001-35-2	Toxaphene	50.0	U	1	8.20	50.0	ug/kg	10/21/25 15:59	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	8.23			20 - 144	41%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.0			19 - 148	70%	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\PD102125\
 Data File : PD090730.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 15:59
 Operator : AR\AJ
 Sample : Q3402-07MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 41-LBMS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/24/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:10:10 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	41728801	416.9E6	13.400m	14.000
28)	SA Decachlor...	9.067	8.062	36908159	249.3E6	7.890	8.229
Target Compounds							
2)	A alpha-BHC	3.994	3.386	350.4E6	2428.1E6	48.819	47.521
3)	MA gamma-BHC...	4.325	3.722	323.0E6	2245.1E6	47.510	47.516
4)	MA Heptachlor	4.923	4.075	308.9E6	2134.7E6	55.270	47.861
5)	MB Aldrin	5.264	4.360	312.1E6	2206.4E6	47.673	47.635
6)	B beta-BHC	4.512	4.018	120.9E6	926.4E6	46.142	46.717
7)	B delta-BHC	4.760	4.254	331.5E6	2270.8E6	49.032	47.590
8)	B Heptachlo...	5.685	4.864	277.6E6	2023.4E6	47.957	47.454
9)	A Endosulfan I	6.068	5.238	261.5E6	1858.8E6	47.238	47.189
10)	B gamma-Chl...	5.940	5.116	278.7E6	2172.1E6	46.984	48.324
11)	B alpha-Chl...	6.021	5.181	284.6E6	2073.6E6	46.044	48.070
12)	B 4,4'-DDE	6.190	5.365	248.6E6	2090.7E6	46.672	47.692
13)	MA Dieldrin	6.341	5.504	280.8E6	2124.3E6	48.153	48.078
14)	MA Endrin	6.568	5.781	238.9E6	1950.3E6	48.223	48.164
15)	B Endosulfa...	6.781	6.072	235.3E6	1820.5E6	47.057	48.475
16)	A 4,4'-DDD	6.700	5.921	197.1E6	1662.3E6	48.622	45.621
17)	MA 4,4'-DDT	7.016	6.174	202.1E6	1758.8E6	49.162	50.146
18)	B Endrin al...	6.911	6.250	172.3E6	1329.8E6	47.047	48.021
19)	B Endosulfa...	7.145	6.474	215.5E6	1732.3E6	46.470	48.327
20)	A Methoxychlor	7.489	6.745	101.9E6	856.2E6	47.940	49.130
21)	B Endrin ke...	7.626	6.983	230.8E6	1849.1E6	47.502	49.026
22)	Mirex	8.109	7.176	144.7E6	1223.3E6	45.199	47.617

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 15:59
Operator : AR\AJ
Sample : Q3402-07MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

41-LBMS

Manual Integrations

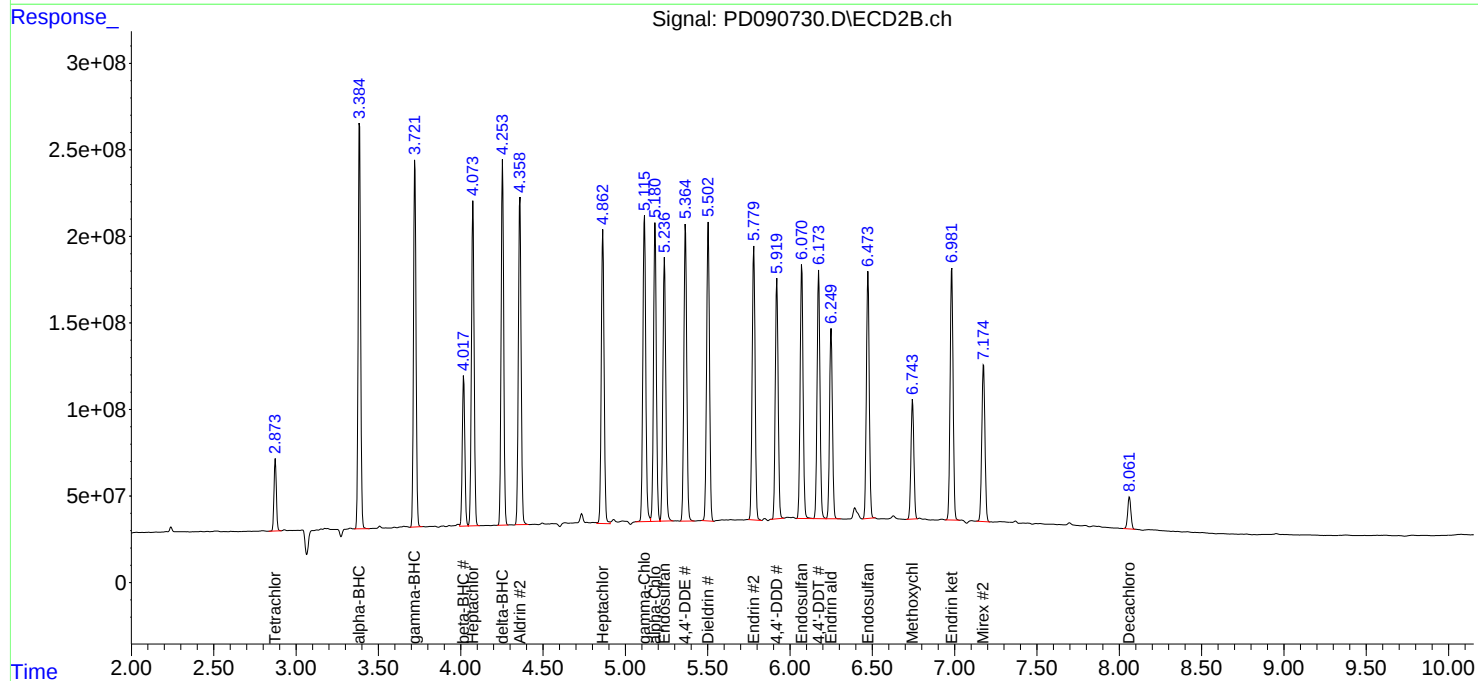
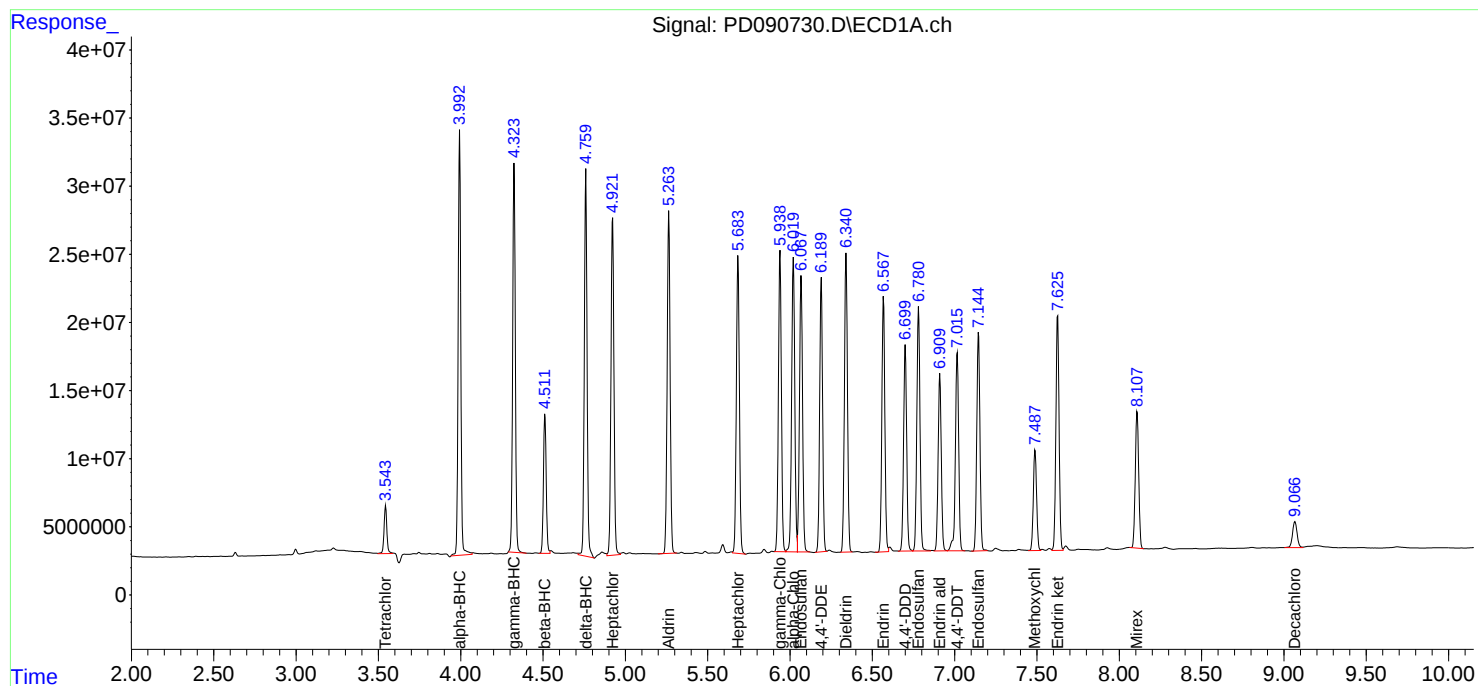
APPROVED

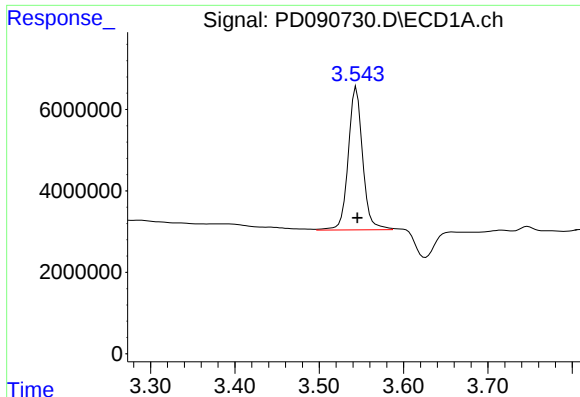
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:10:10 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





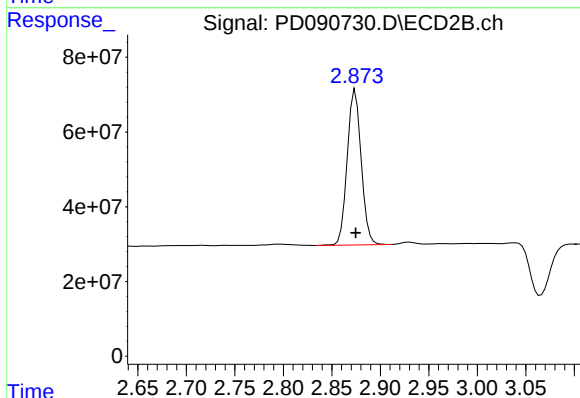
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 41728801
Conc: 13.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

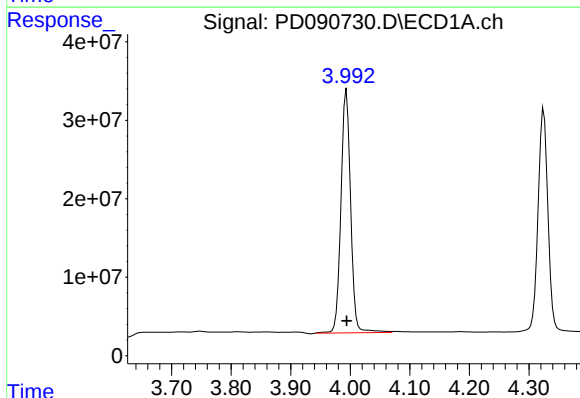
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



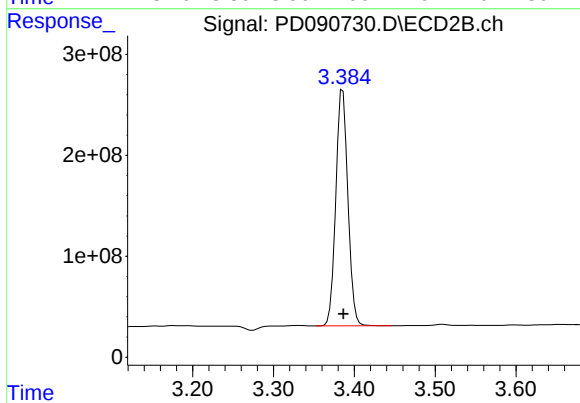
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 416870210
Conc: 14.00 ng/ml



#2 alpha-BHC

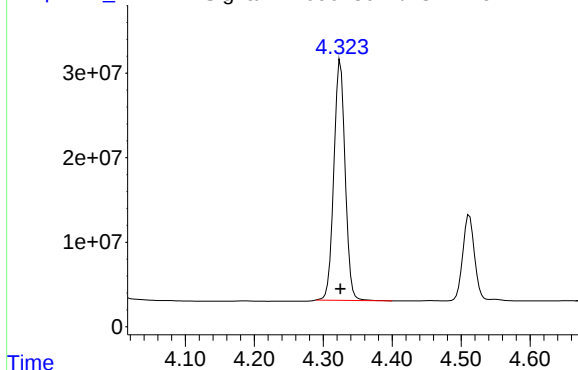
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 350379427
Conc: 48.82 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2428143518
Conc: 47.52 ng/ml

Response_ Signal: PD090730.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 323010650
Conc: 47.51 ng/ml

Instrument :

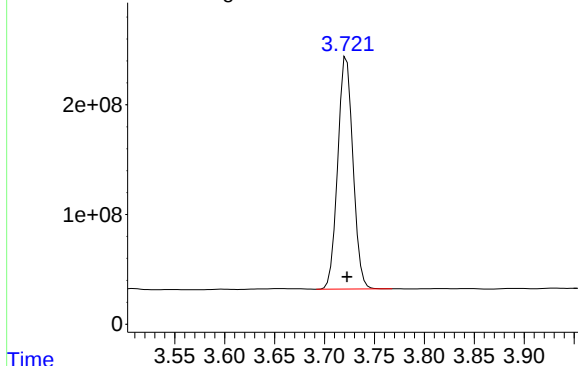
ECD_D

ClientSampleId :
41-LBMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

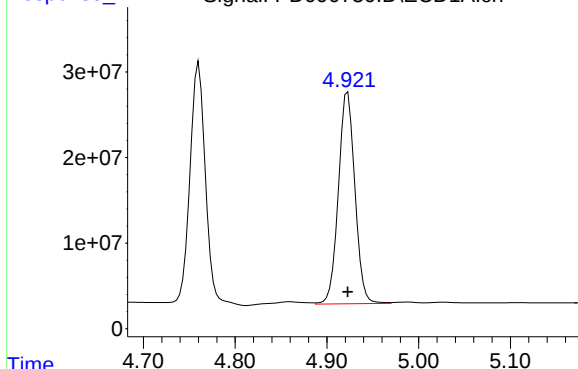
Time Response_ Signal: PD090730.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2245055267
Conc: 47.52 ng/ml

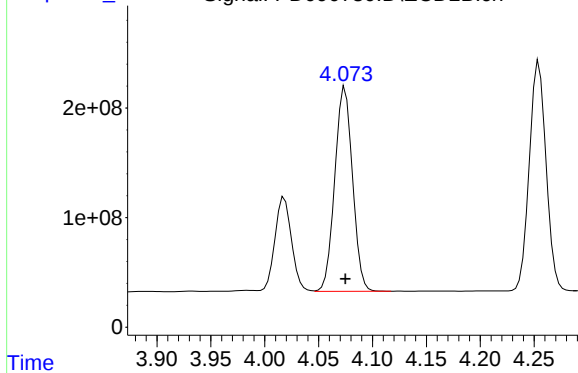
Time Response_ Signal: PD090730.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 308932364
Conc: 55.27 ng/ml

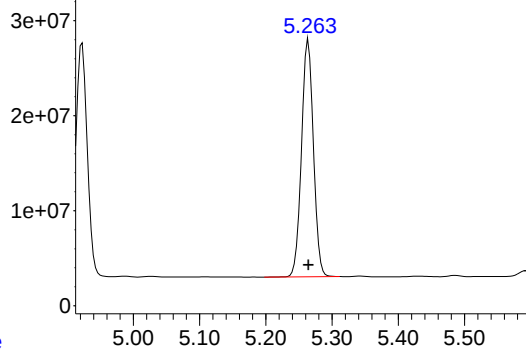
Time Response_ Signal: PD090730.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2134719554
Conc: 47.86 ng/ml

Response_ Signal: PD090730.D\ECD1A.ch



#5 Aldrin

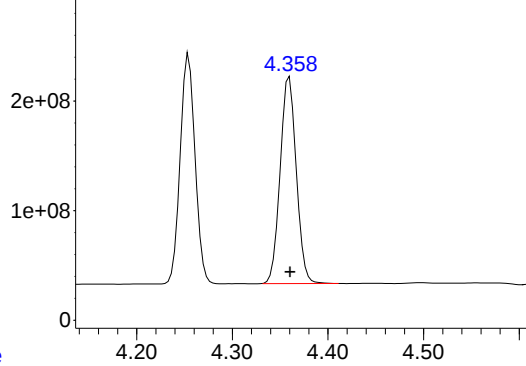
R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 312130437
Conc: 47.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

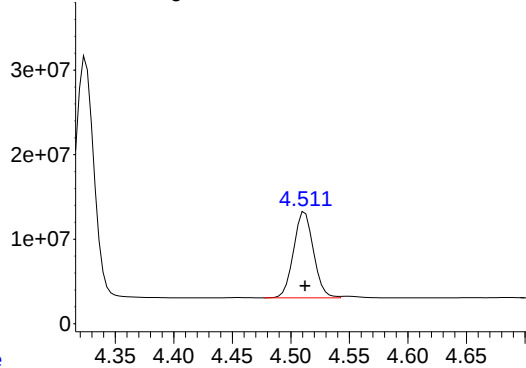
Time Response_ Signal: PD090730.D\ECD2B.ch



#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2206411650
Conc: 47.64 ng/ml

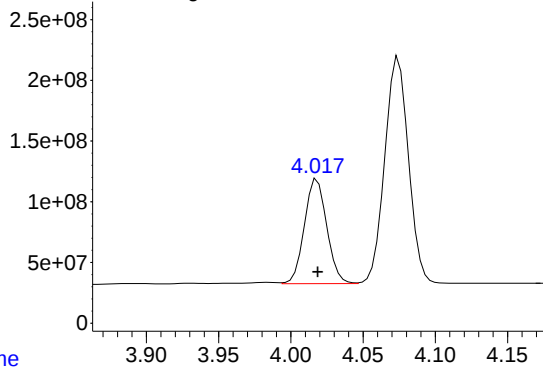
Time Response_ Signal: PD090730.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 120875023
Conc: 46.14 ng/ml

Time Response_ Signal: PD090730.D\ECD2B.ch

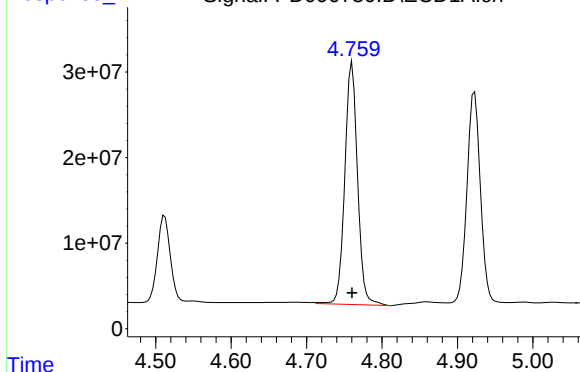


#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 926370403
Conc: 46.72 ng/ml

Signal: PD090730.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.760 min
 Delta R.T.: 0.000 min
 Response: 331538156
 Conc: 49.03 ng/ml

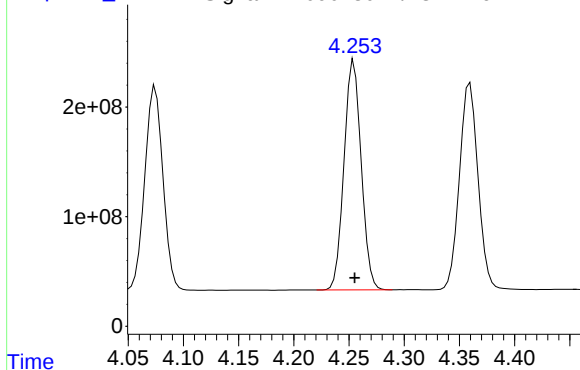
Instrument :
 ECD_D
 ClientSampleId :
 41-LBMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Signal: PD090730.D\ECD2B.ch

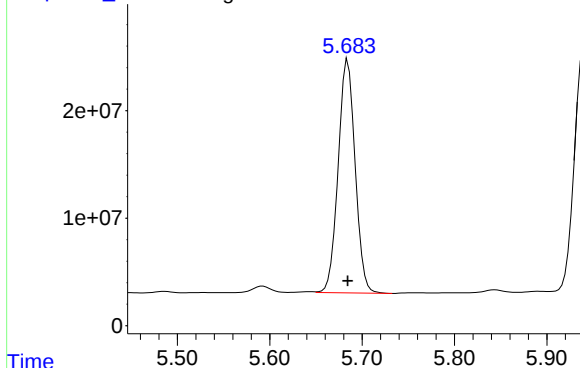
#7 delta-BHC



R.T.: 4.254 min
 Delta R.T.: 0.000 min
 Response: 2270818165
 Conc: 47.59 ng/ml

Signal: PD090730.D\ECD1A.ch

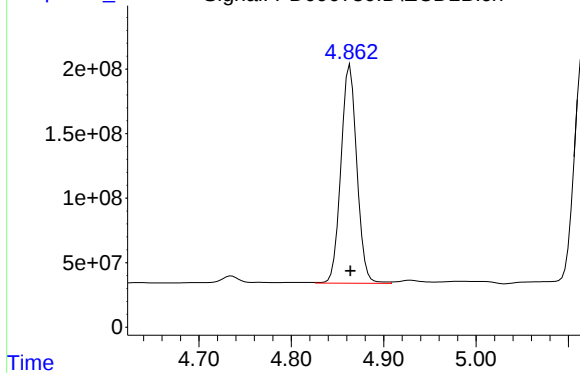
#8 Heptachlor epoxide



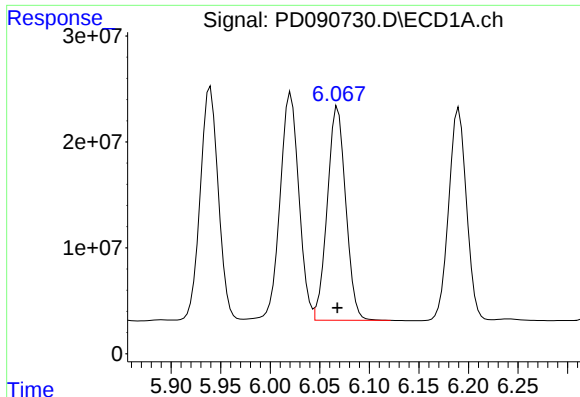
R.T.: 5.685 min
 Delta R.T.: 0.000 min
 Response: 277624196
 Conc: 47.96 ng/ml

Signal: PD090730.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.864 min
 Delta R.T.: 0.000 min
 Response: 2023397164
 Conc: 47.45 ng/ml



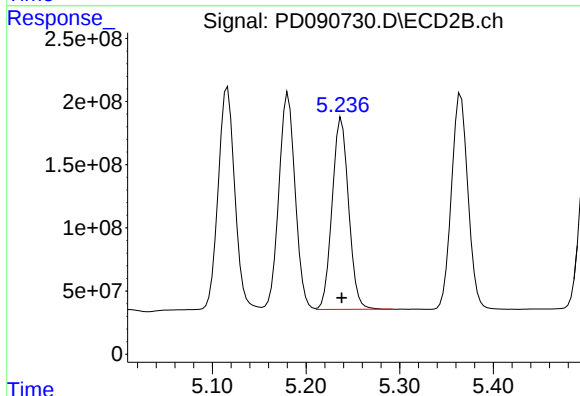
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 261540087
Conc: 47.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

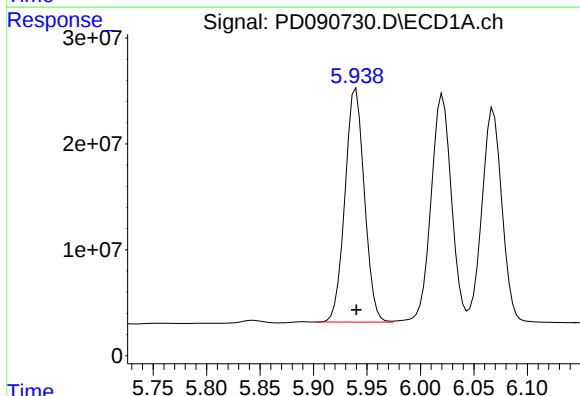
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



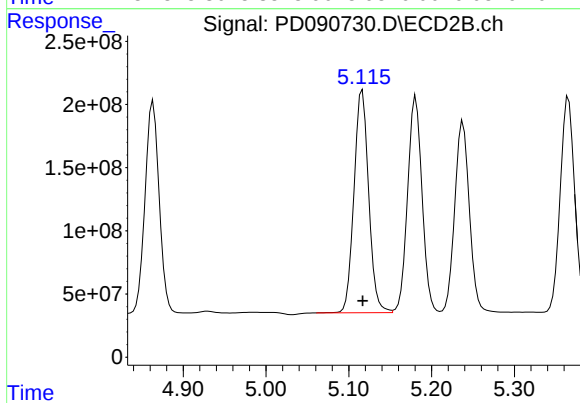
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1858792651
Conc: 47.19 ng/ml



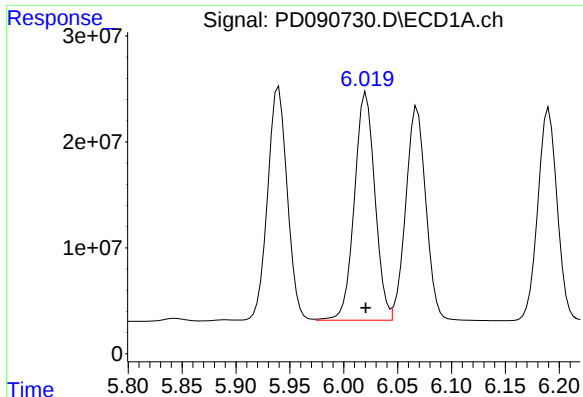
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 278667829
Conc: 46.98 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2172118879
Conc: 48.32 ng/ml



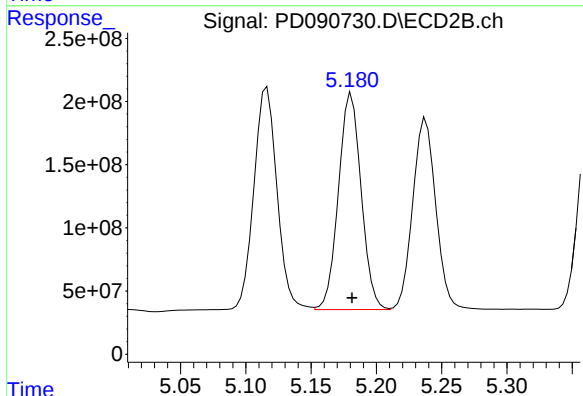
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 284560597
Conc: 46.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

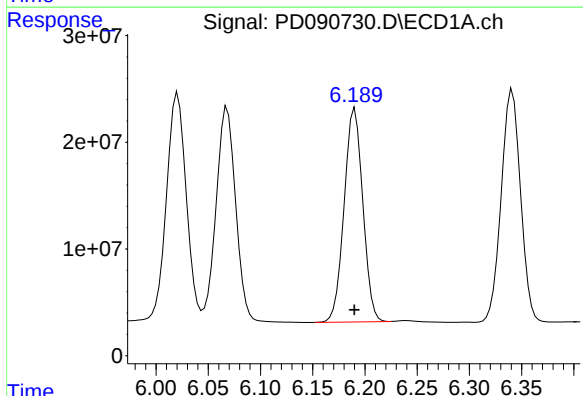
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



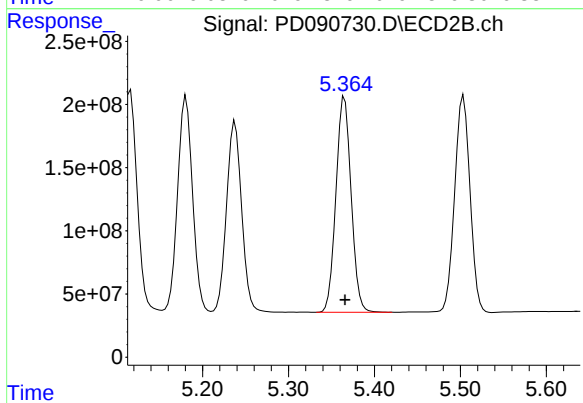
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2073609961
Conc: 48.07 ng/ml



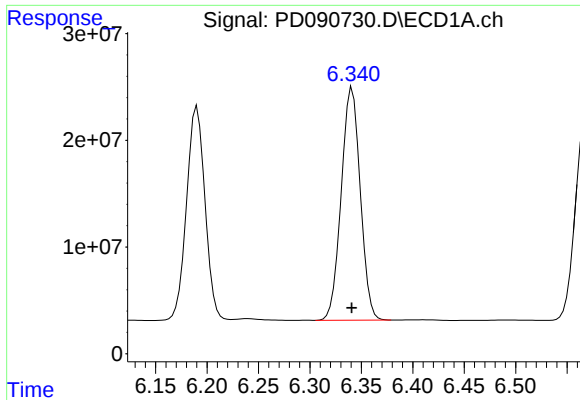
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 248605797
Conc: 46.67 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2090739686
Conc: 47.69 ng/ml



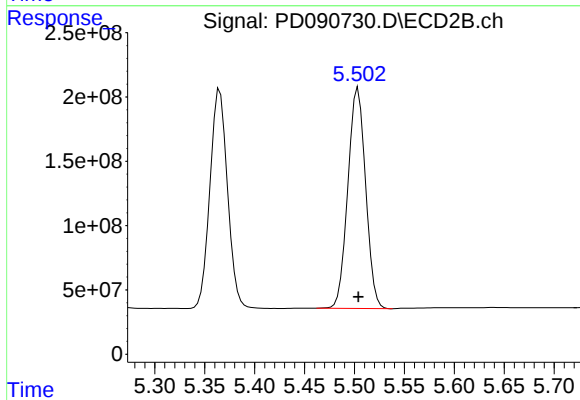
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 280795175
Conc: 48.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

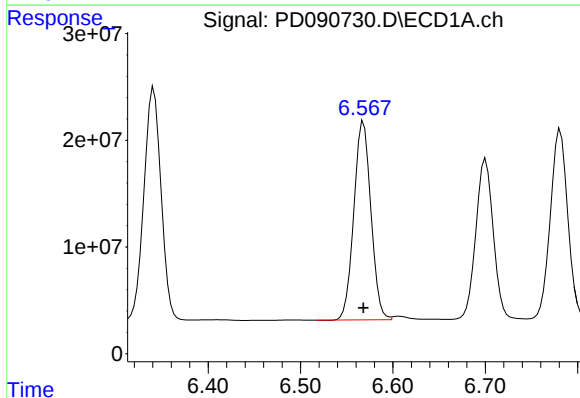
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



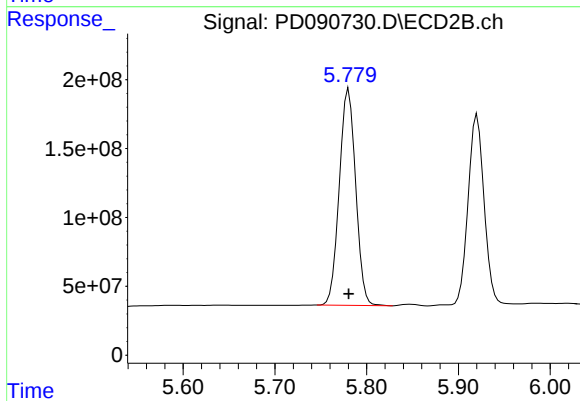
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2124287660
Conc: 48.08 ng/ml



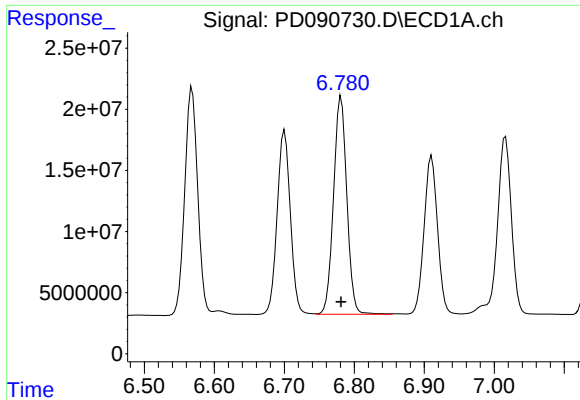
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 238882008
Conc: 48.22 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1950340242
Conc: 48.16 ng/ml



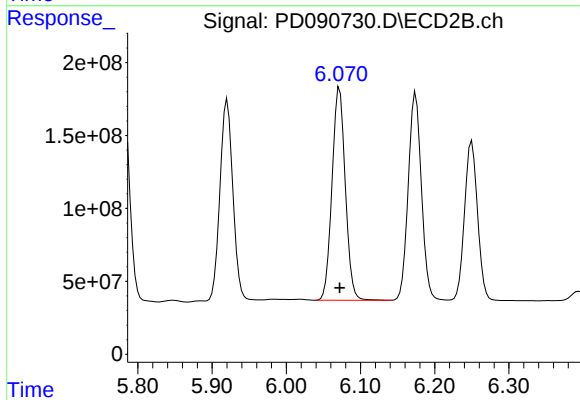
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 235284827
Conc: 47.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

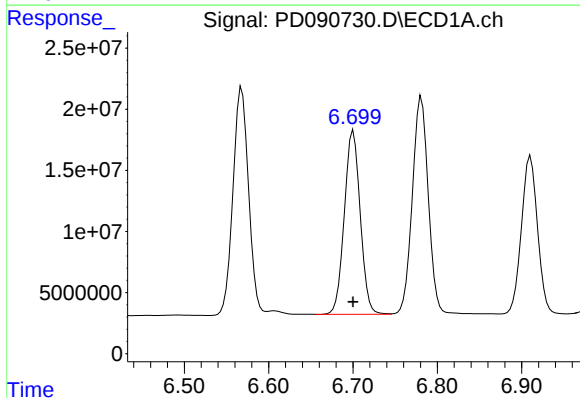
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



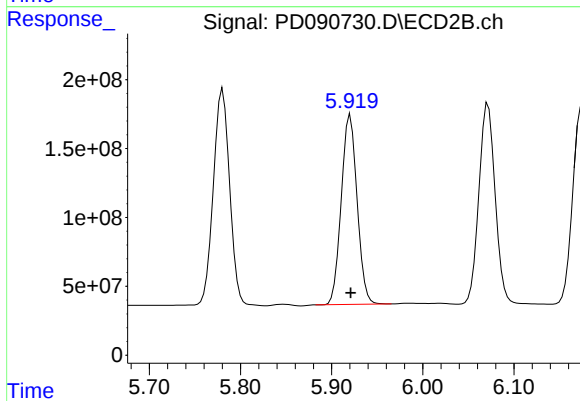
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1820493010
Conc: 48.47 ng/ml



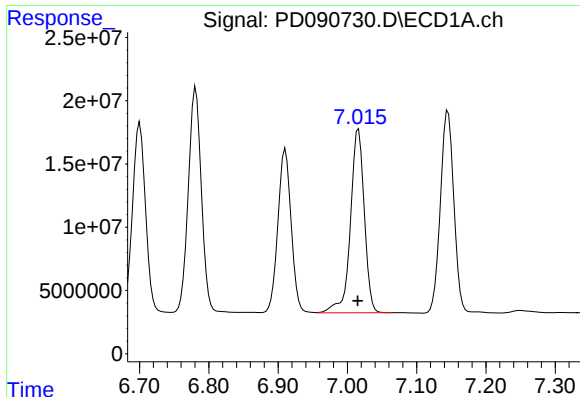
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 197125637
Conc: 48.62 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1662323224
Conc: 45.62 ng/ml



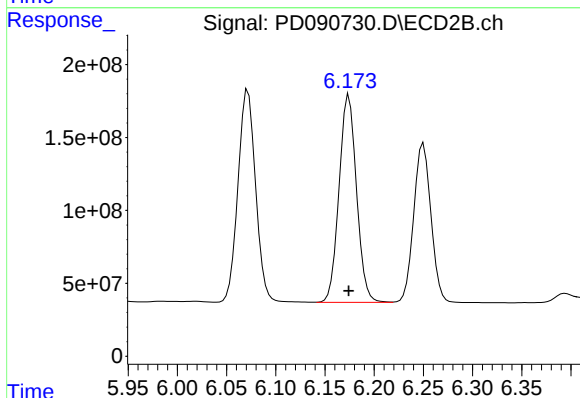
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 202079196
Conc: 49.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

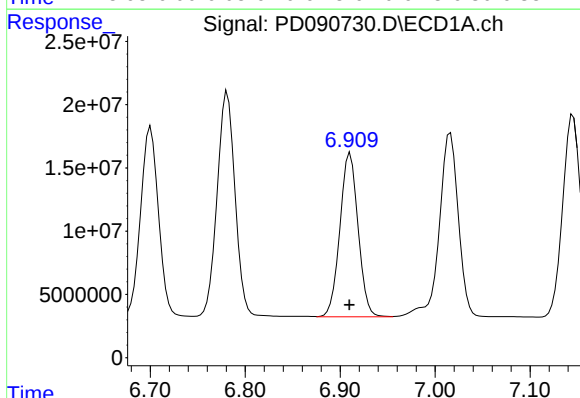
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



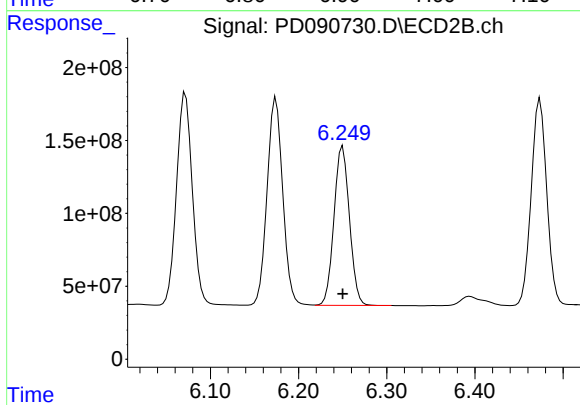
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1758780953
Conc: 50.15 ng/ml



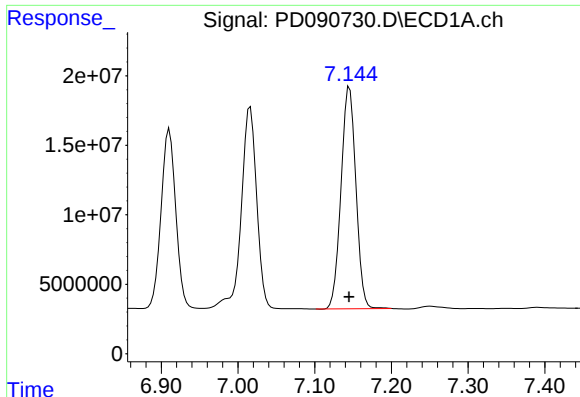
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 172318543
Conc: 47.05 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1329843926
Conc: 48.02 ng/ml



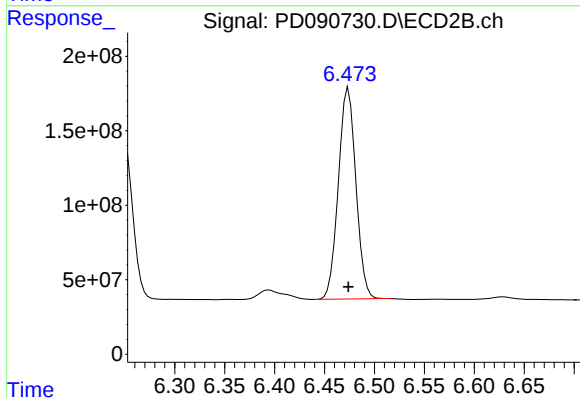
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 215536855
Conc: 46.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

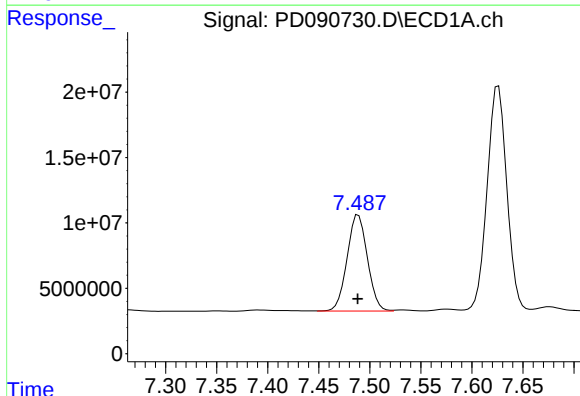
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025



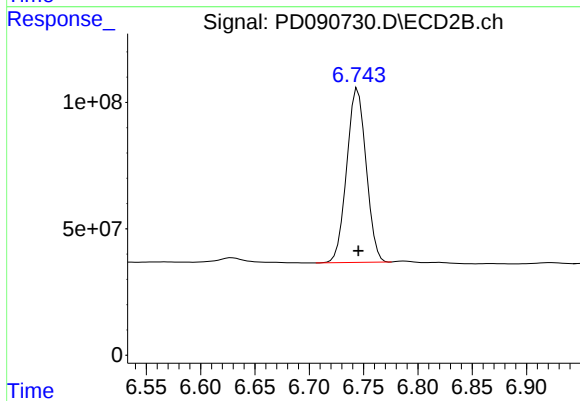
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1732265072
Conc: 48.33 ng/ml



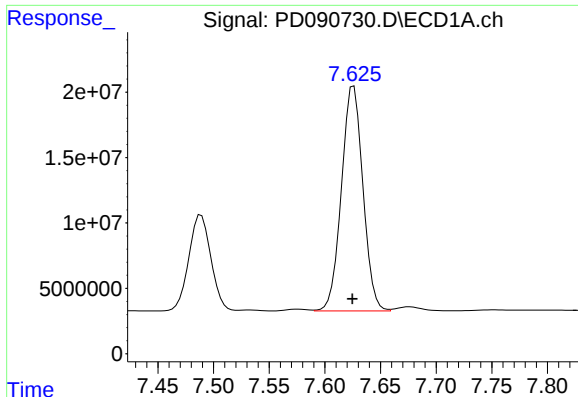
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 101900857
Conc: 47.94 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 856234546
Conc: 49.13 ng/ml



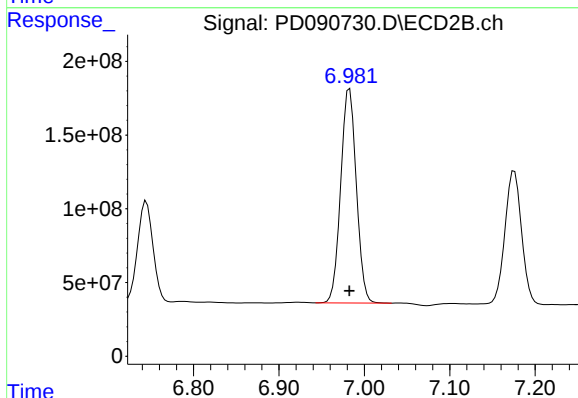
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 230807031
Conc: 47.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

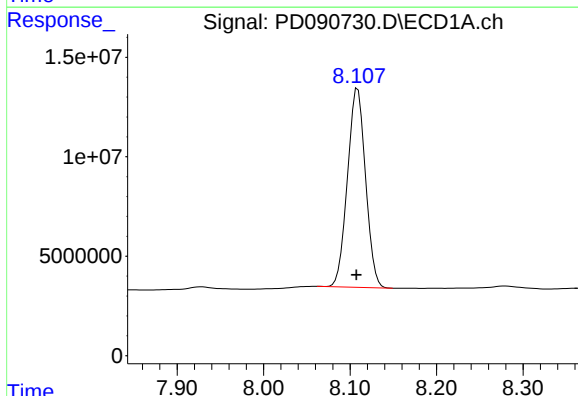
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



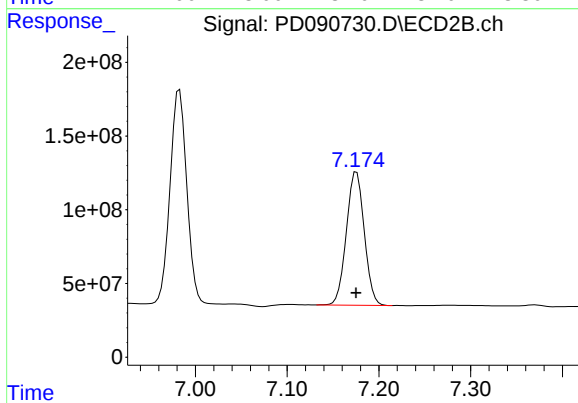
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1849139534
Conc: 49.03 ng/ml



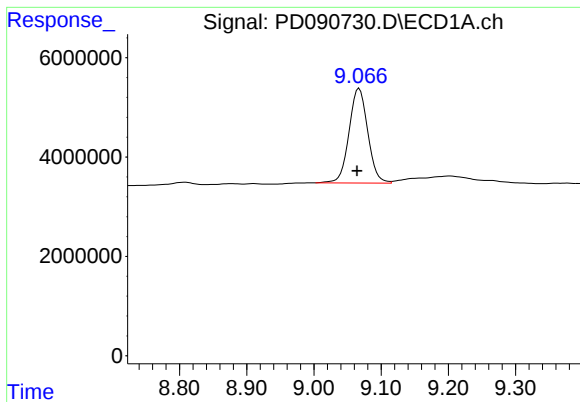
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.002 min
Response: 144674591
Conc: 45.20 ng/ml



#22 Mirex

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1223312830
Conc: 47.62 ng/ml



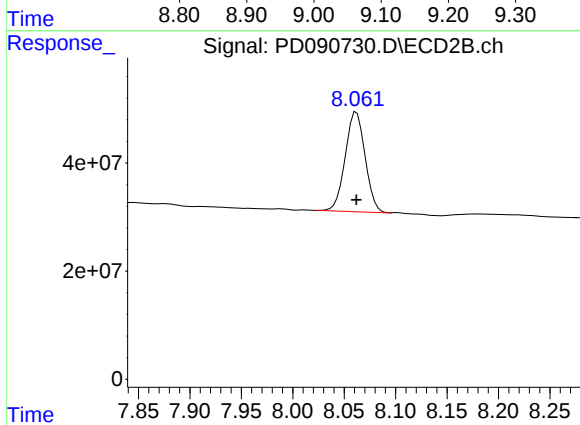
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 36908159
Conc: 7.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMS

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



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 249280740
Conc: 8.23 ng/ml



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

Report of Analysis

Client:	AECOM		Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	41-LBMSD		SDG No.:	Q3393
Lab Sample ID:	Q3402-07MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	65.9
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	24.6		1	0.20	2.60	ug/kg	10/21/25 16:13	PB170179
319-85-7	beta-BHC	23.7		1	0.27	2.60	ug/kg	10/21/25 16:13	PB170179
319-86-8	delta-BHC	24.6		1	0.59	2.60	ug/kg	10/21/25 16:13	PB170179
58-89-9	gamma-BHC (Lindane)	24.0		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
76-44-8	Heptachlor	28.0		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
309-00-2	Aldrin	24.1		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
1024-57-3	Heptachlor epoxide	24.2		1	0.29	2.60	ug/kg	10/21/25 16:13	PB170179
959-98-8	Endosulfan I	23.9		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
60-57-1	Dieldrin	24.4		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-55-9	4,4-DDE	24.1		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-20-8	Endrin	24.3		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
33213-65-9	Endosulfan II	24.5		1	0.44	2.60	ug/kg	10/21/25 16:13	PB170179
72-54-8	4,4-DDD	24.6		1	0.23	2.60	ug/kg	10/21/25 16:13	PB170179
1031-07-8	Endosulfan Sulfate	24.5		1	0.20	2.60	ug/kg	10/21/25 16:13	PB170179
50-29-3	4,4-DDT	25.4		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-43-5	Methoxychlor	24.8		1	0.56	2.60	ug/kg	10/21/25 16:13	PB170179
53494-70-5	Endrin ketone	24.8		1	0.29	2.60	ug/kg	10/21/25 16:13	PB170179
7421-93-4	Endrin aldehyde	24.5		1	0.56	2.60	ug/kg	10/21/25 16:13	PB170179
5103-71-9	alpha-Chlordane	24.3		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
5103-74-2	gamma-Chlordane	24.4		1	0.23	2.60	ug/kg	10/21/25 16:13	PB170179
8001-35-2	Toxaphene	50.0	U	1	8.20	50.0	ug/kg	10/21/25 16:13	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	8.28			20 - 144	41%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.0			19 - 148	70%	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\PD102125\
 Data File : PD090731.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 16:13
 Operator : AR\AJ
 Sample : Q3402-07MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

41-LBMSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:10:21 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...	3.543	2.874	40711442	417.0E6	13.073m	14.005
28)	SA Decachlor...	9.067	8.061	38392384	250.8E6	8.207	8.281
Target Compounds							
2)	A alpha-BHC	3.994	3.386	349.9E6	2429.0E6	48.746	47.539
3)	MA gamma-BHC...	4.325	3.723	321.7E6	2246.9E6	47.315	47.554
4)	MA Heptachlor	4.923	4.075	310.0E6	2143.9E6	55.452	48.066
5)	MB Aldrin	5.264	4.360	311.9E6	2208.4E6	47.638	47.678
6)	B beta-BHC	4.512	4.019	120.5E6	931.2E6	45.982	46.962
7)	B delta-BHC	4.760	4.255	329.4E6	2269.7E6	48.722	47.567
8)	B Heptachlo...	5.684	4.864	277.1E6	2020.5E6	47.864	47.386
9)	A Endosulfan I	6.068	5.238	261.9E6	1858.1E6	47.307	47.171
10)	B gamma-Chl...	5.940	5.117	279.3E6	2168.0E6	47.091	48.232
11)	B alpha-Chl...	6.021	5.181	281.2E6	2074.9E6	45.497	48.099
12)	B 4,4'-DDE	6.190	5.365	248.2E6	2088.6E6	46.588	47.642
13)	MA Dieldrin	6.341	5.503	280.7E6	2130.0E6	48.145	48.208
14)	MA Endrin	6.569	5.780	238.7E6	1951.7E6	48.195	48.197
15)	B Endosulfa...	6.782	6.072	235.5E6	1821.4E6	47.094	48.499
16)	A 4,4'-DDD	6.701	5.920	197.1E6	1660.9E6	48.604	45.582
17)	MA 4,4'-DDT	7.016	6.174	202.5E6	1766.7E6	49.266	50.371
18)	B Endrin al...	6.910	6.250	173.4E6	1343.6E6	47.349	48.518
19)	B Endosulfa...	7.145	6.473	215.0E6	1739.7E6	46.352	48.533
20)	A Methoxychlor	7.488	6.745	102.7E6	857.0E6	48.324	49.172
21)	B Endrin ke...	7.626	6.982	232.1E6	1848.7E6	47.771	49.014
22)	Mirex	8.108	7.175	144.8E6	1224.3E6	45.250	47.655

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:13
Operator : AR\AJ
Sample : Q3402-07MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

41-LBMSD

Manual Integrations

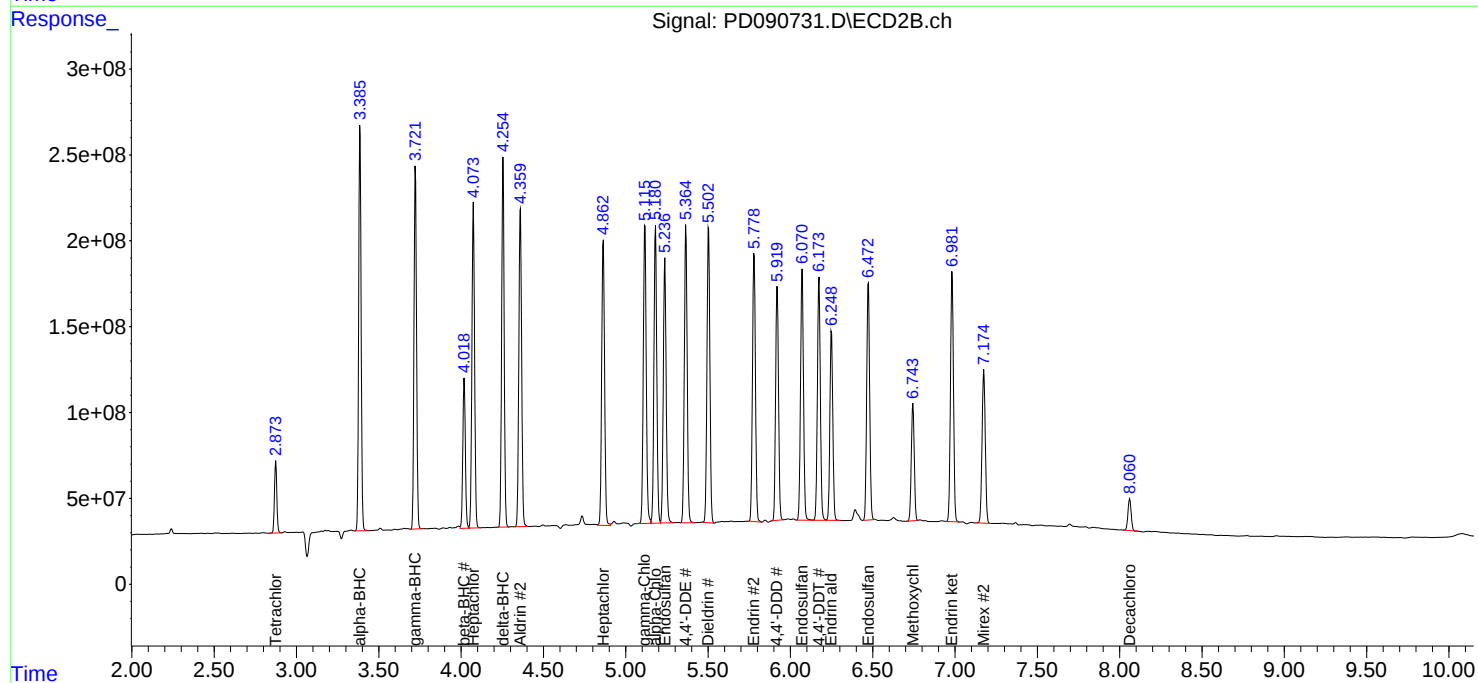
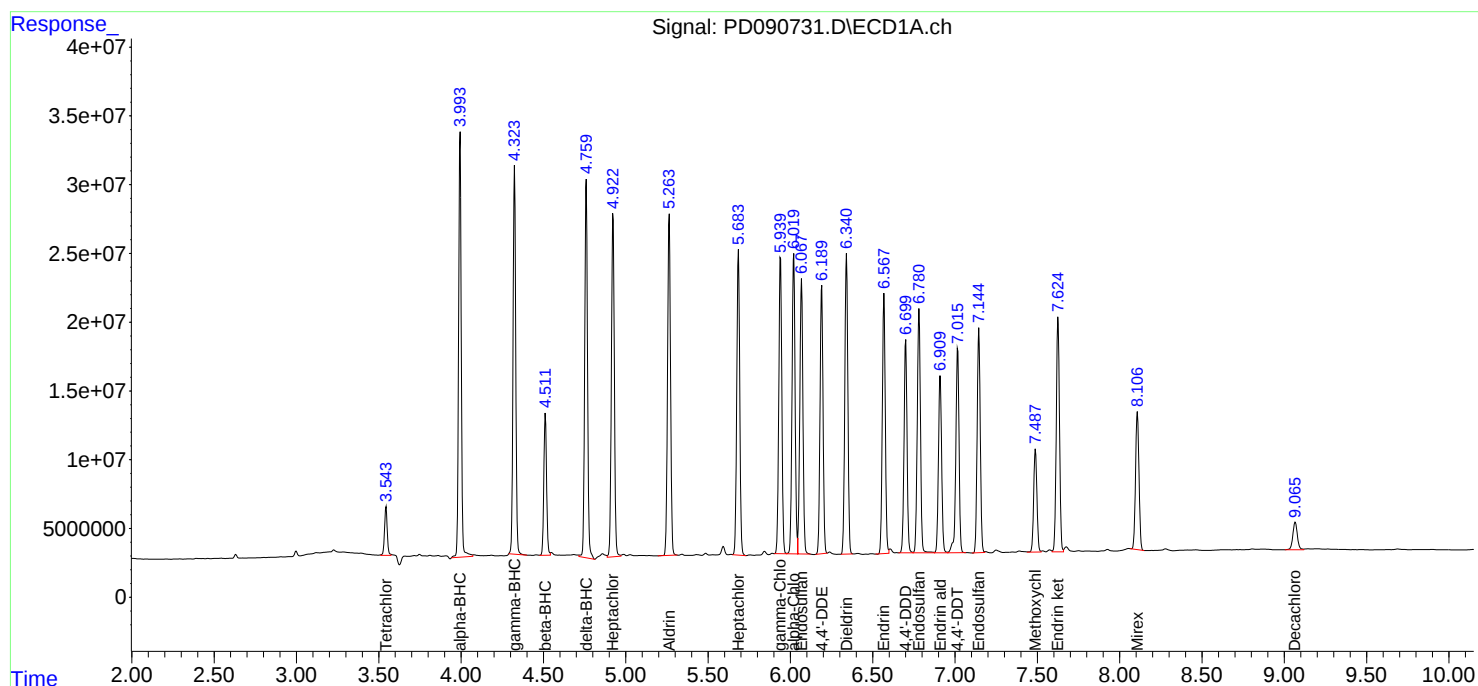
APPROVED

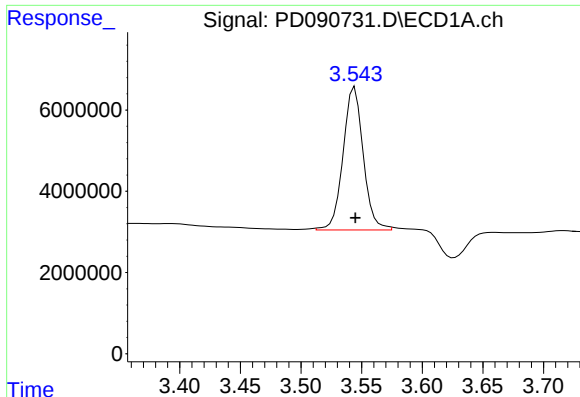
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:10:21 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





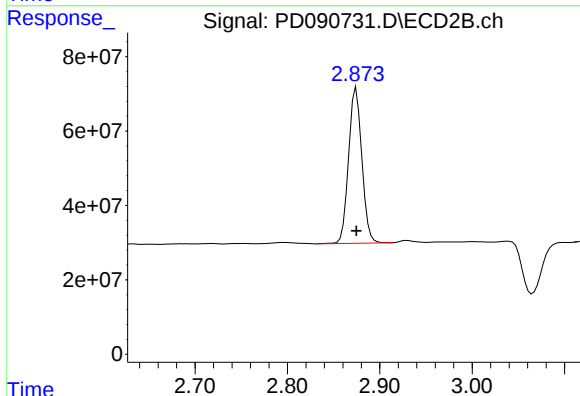
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 40711442
Conc: 13.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

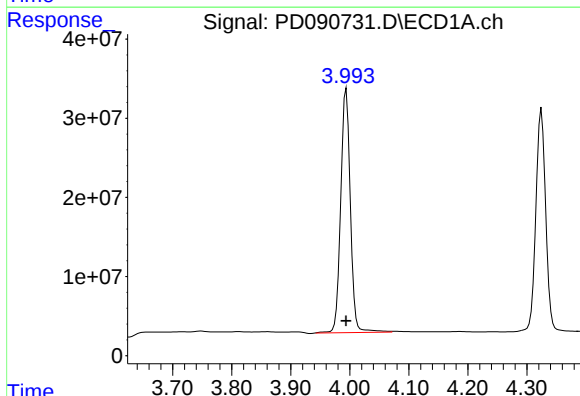
Manual Integrations
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Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



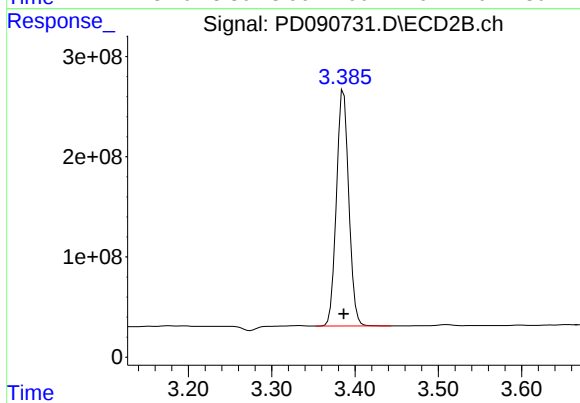
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 417031860
Conc: 14.01 ng/ml



#2 alpha-BHC

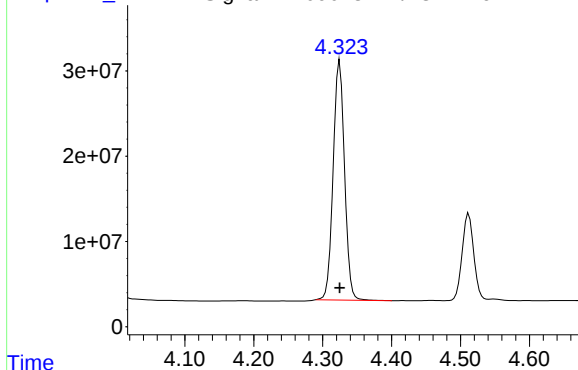
R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 349856075
Conc: 48.75 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2429031590
Conc: 47.54 ng/ml

Response_ Signal: PD090731.D\ECD1A.ch



#3 gamma-BHC (Lindane)

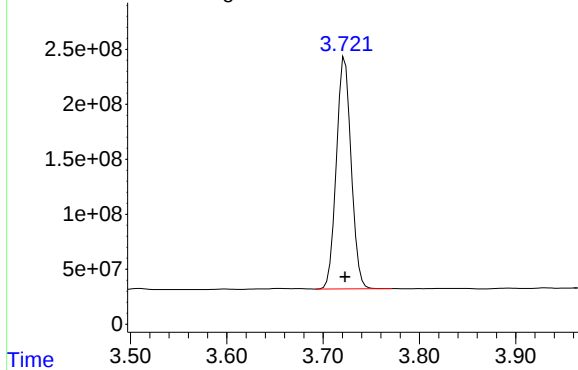
R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 321687727
Conc: 47.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

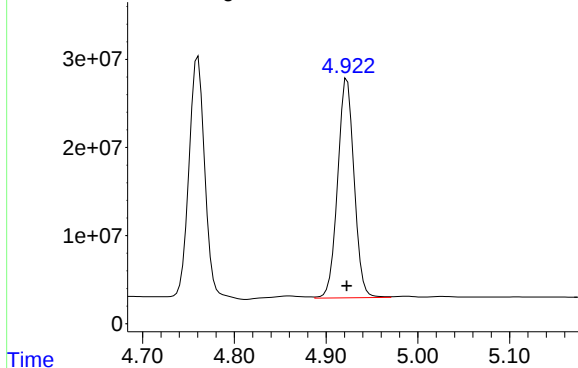
Response_ Signal: PD090731.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2246883565
Conc: 47.55 ng/ml

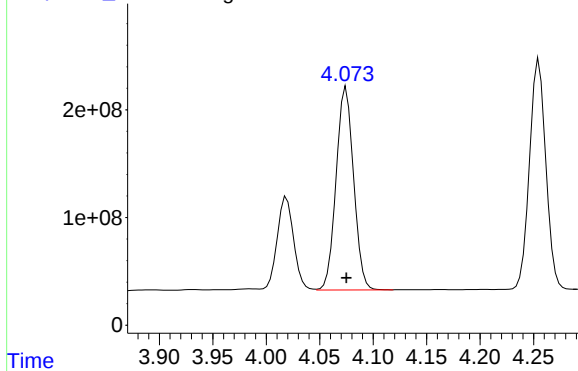
Response_ Signal: PD090731.D\ECD1A.ch



#4 Heptachlor

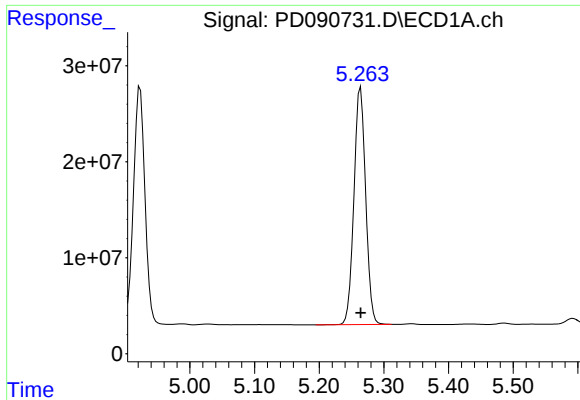
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 309952980
Conc: 55.45 ng/ml

Response_ Signal: PD090731.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2143870068
Conc: 48.07 ng/ml



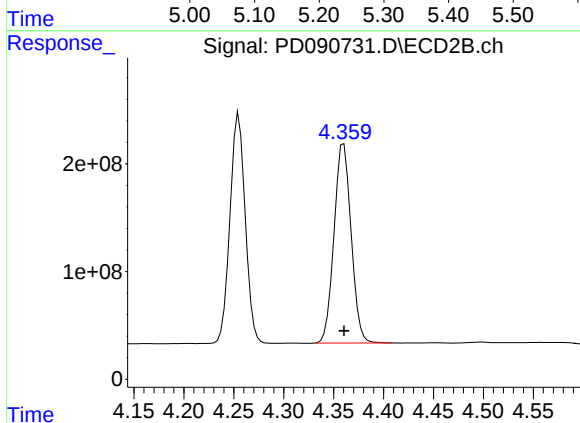
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 311898869
Conc: 47.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

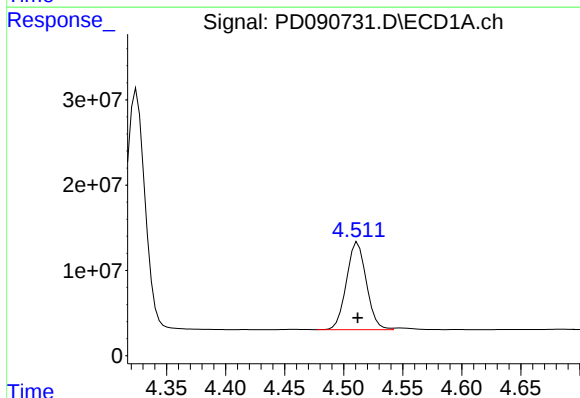
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



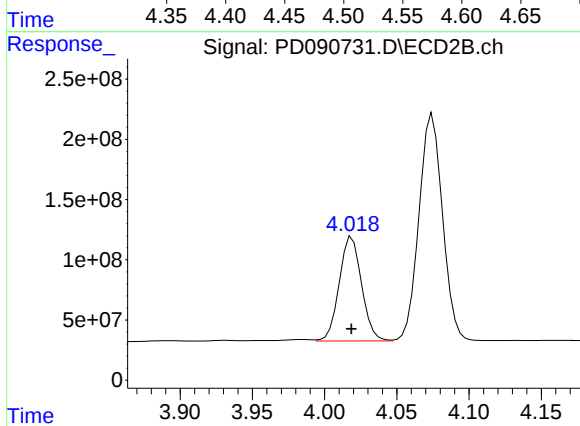
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2208378395
Conc: 47.68 ng/ml



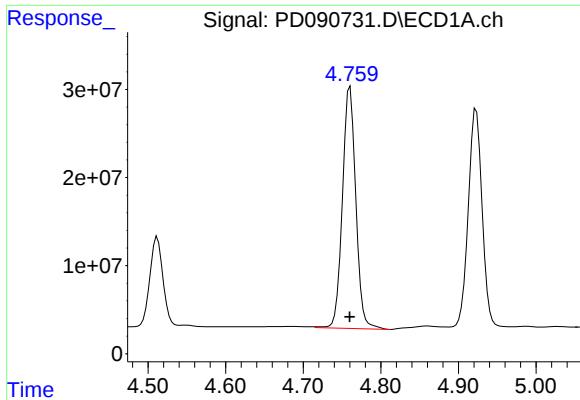
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 120456408
Conc: 45.98 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 931230659
Conc: 46.96 ng/ml



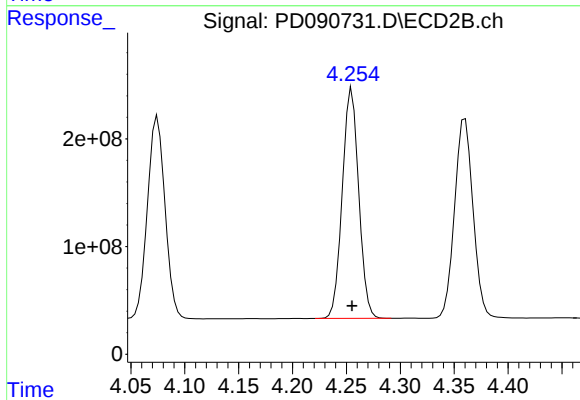
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 329441671
Conc: 48.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

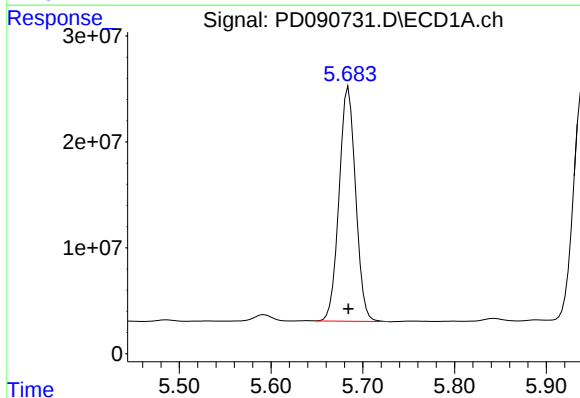
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



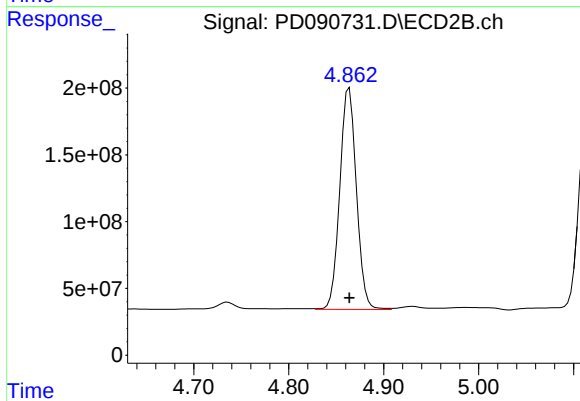
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2269721227
Conc: 47.57 ng/ml



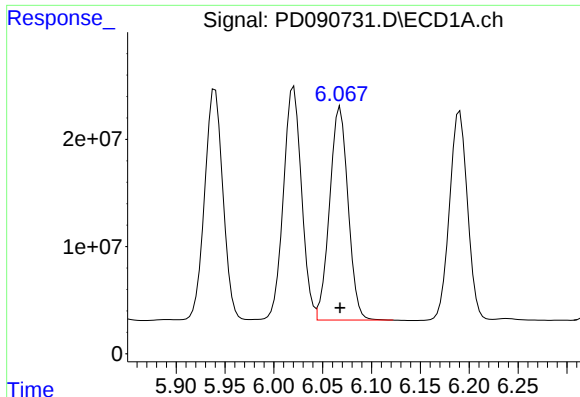
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 277090214
Conc: 47.86 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2020511061
Conc: 47.39 ng/ml



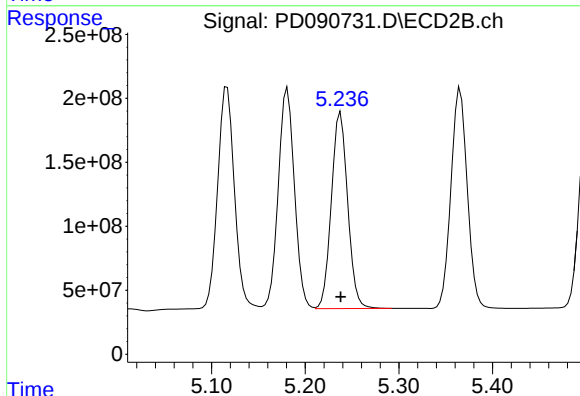
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 261922989
Conc: 47.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

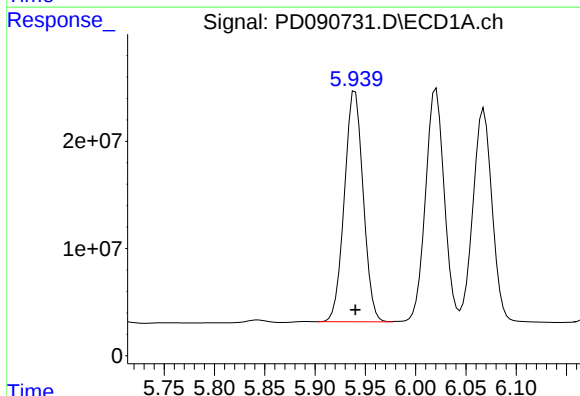
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



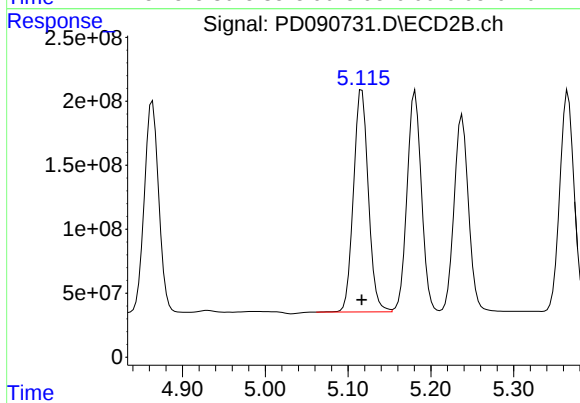
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1858100703
Conc: 47.17 ng/ml



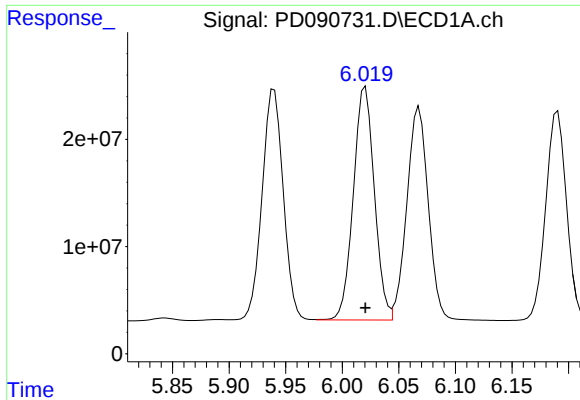
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 279307470
Conc: 47.09 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2167958139
Conc: 48.23 ng/ml



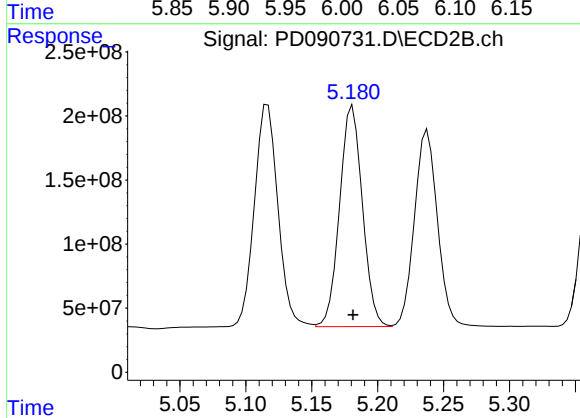
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 281183894
Conc: 45.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

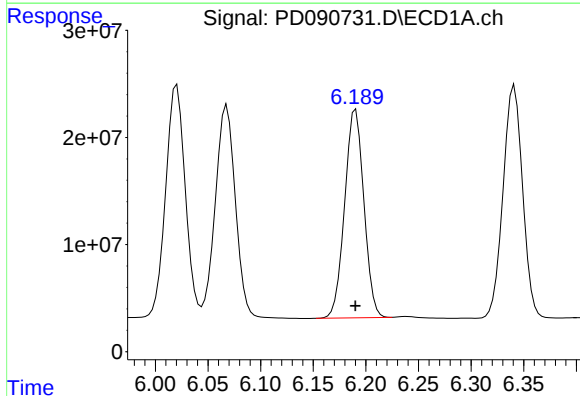
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



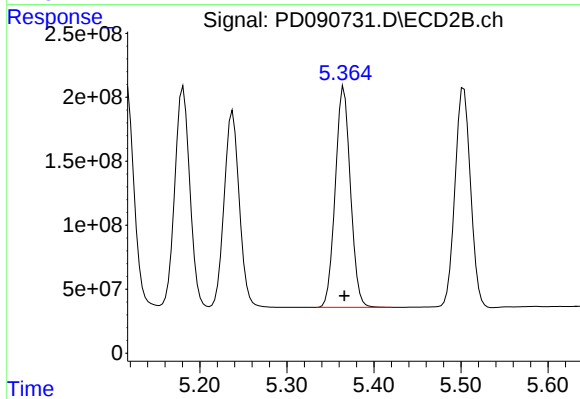
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2074887044
Conc: 48.10 ng/ml



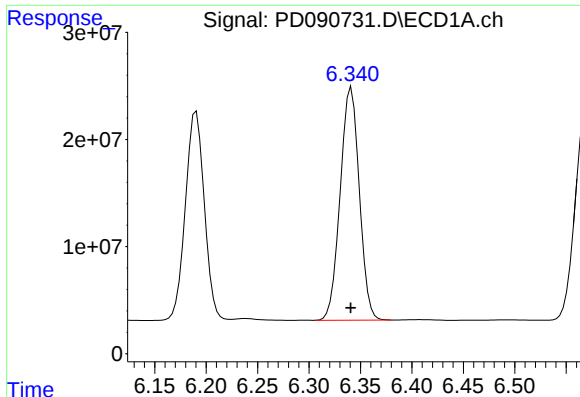
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 248158016
Conc: 46.59 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2088559175
Conc: 47.64 ng/ml



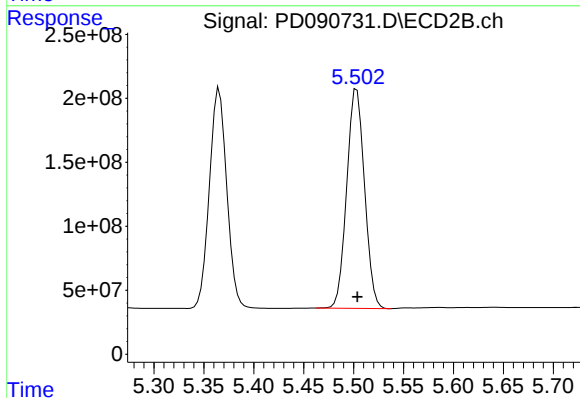
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 280749158
Conc: 48.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

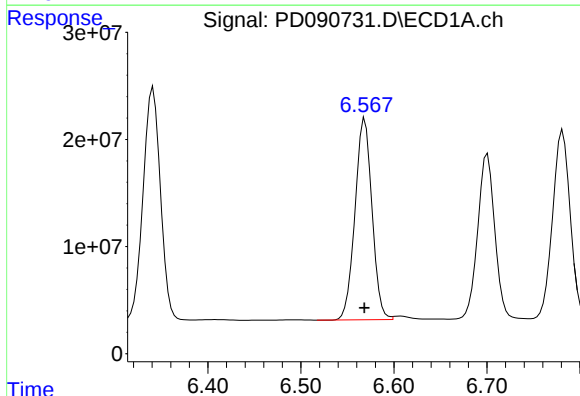
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



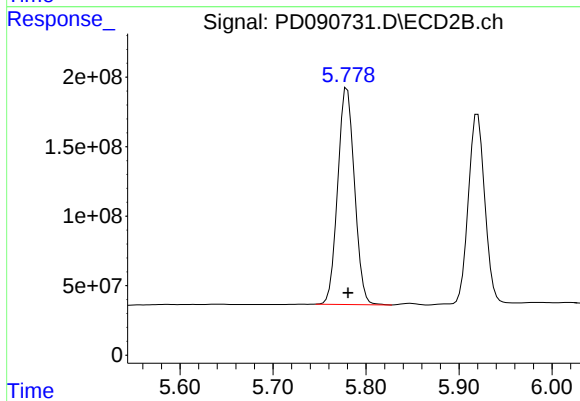
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2130023217
Conc: 48.21 ng/ml



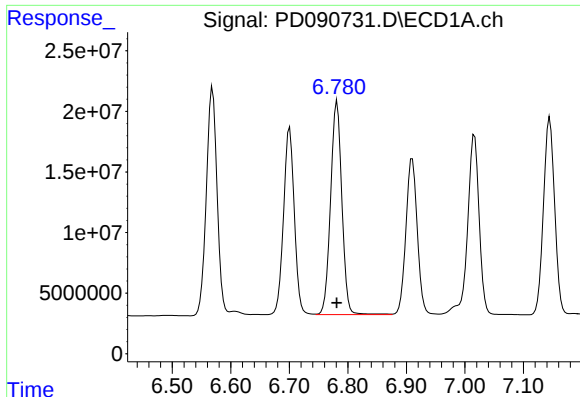
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 238742903
Conc: 48.19 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1951698297
Conc: 48.20 ng/ml



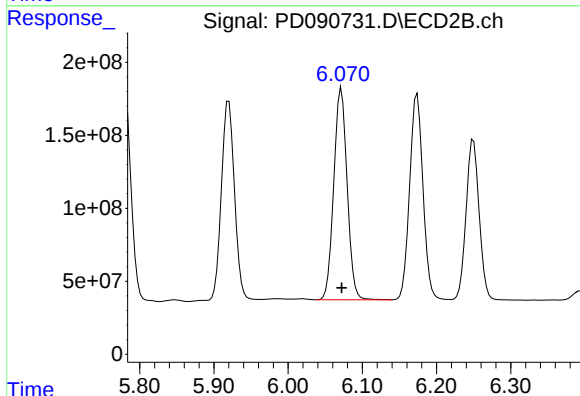
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 235470386
Conc: 47.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

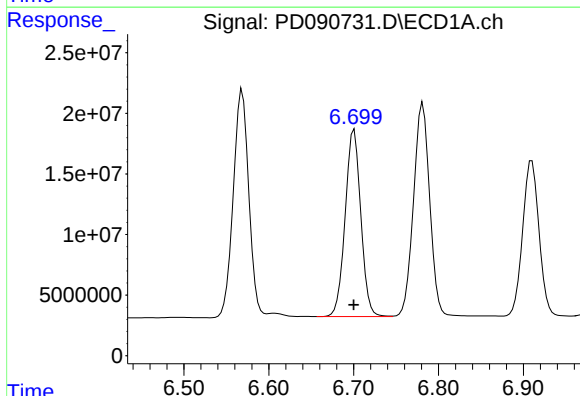
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



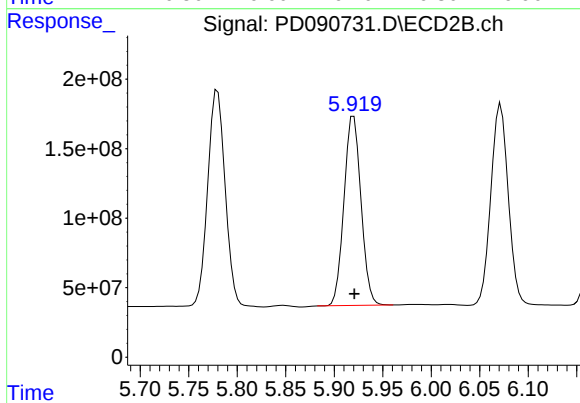
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1821418720
Conc: 48.50 ng/ml



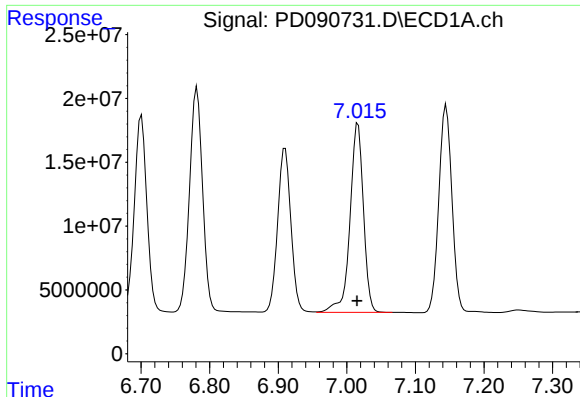
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 197052243
Conc: 48.60 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1660924798
Conc: 45.58 ng/ml



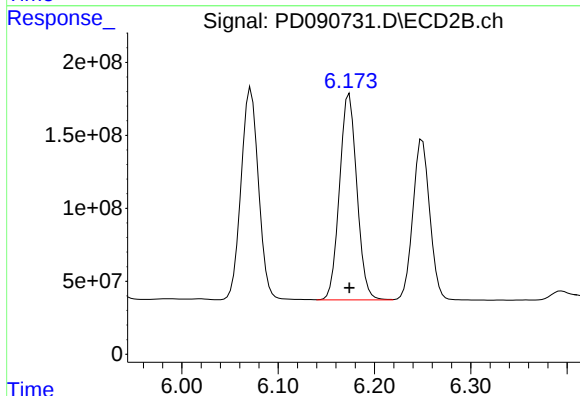
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.001 min
Response: 202506136
Conc: 49.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

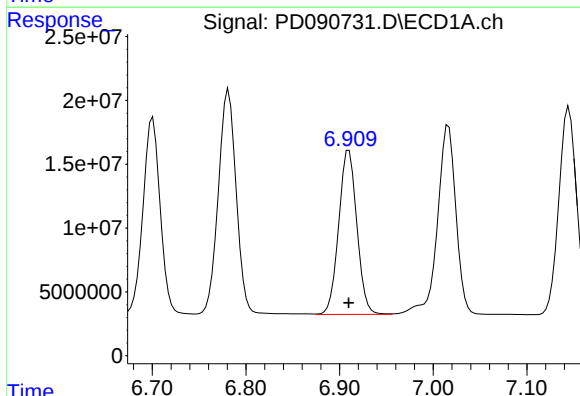
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



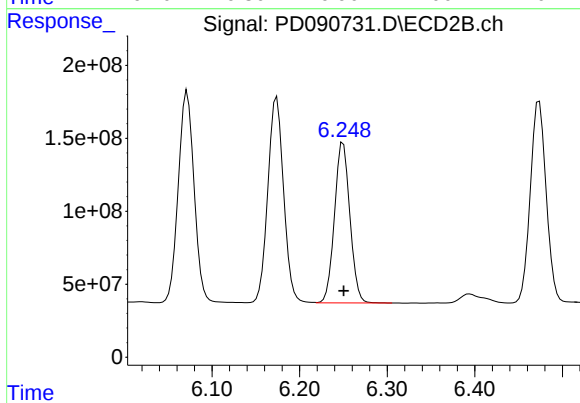
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1766665132
Conc: 50.37 ng/ml



#18 Endrin aldehyde

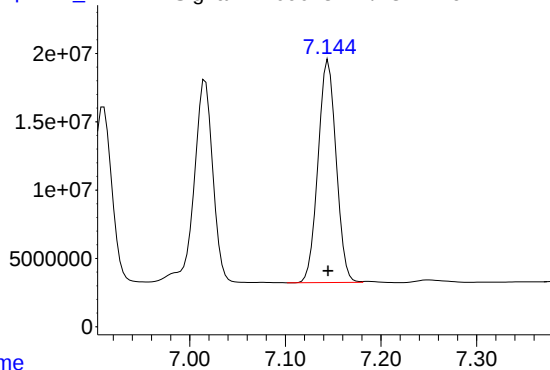
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 173426396
Conc: 47.35 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1343590299
Conc: 48.52 ng/ml

Response_ Signal: PD090731.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 214990804
Conc: 46.35 ng/ml

Instrument :

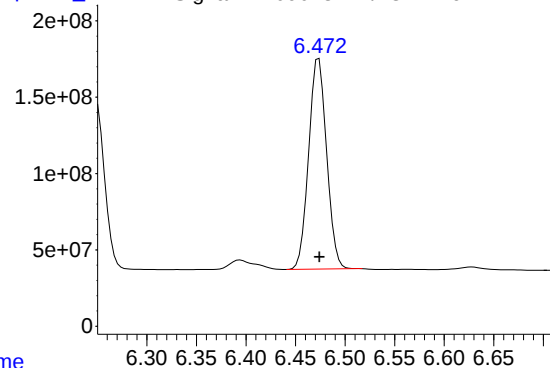
ECD_D

ClientSampleId :
41-LBMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

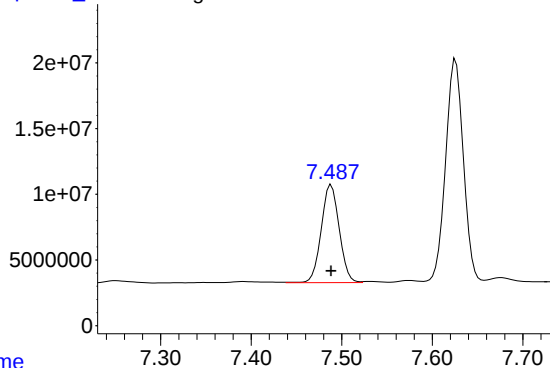
Time Response_ Signal: PD090731.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1739664258
Conc: 48.53 ng/ml

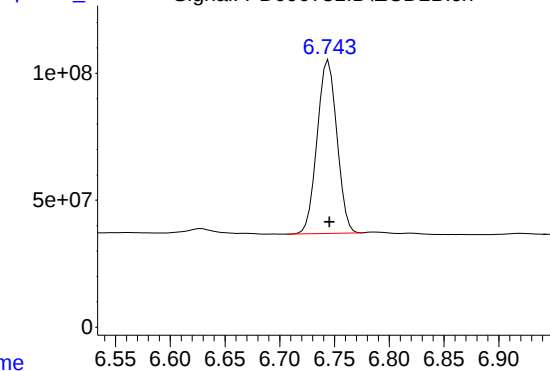
Time Response_ Signal: PD090731.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 102716051
Conc: 48.32 ng/ml

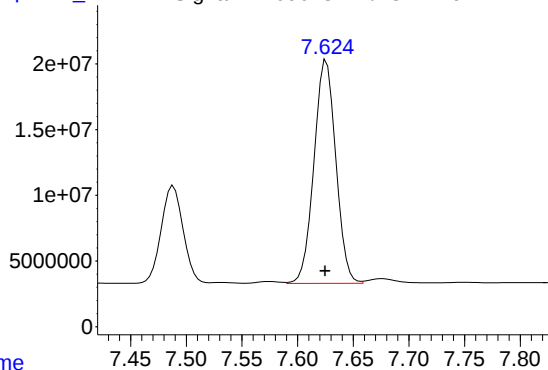
Time Response_ Signal: PD090731.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 856958145
Conc: 49.17 ng/ml

Response_ Signal: PD090731.D\ECD1A.ch



#21 Endrin ketone

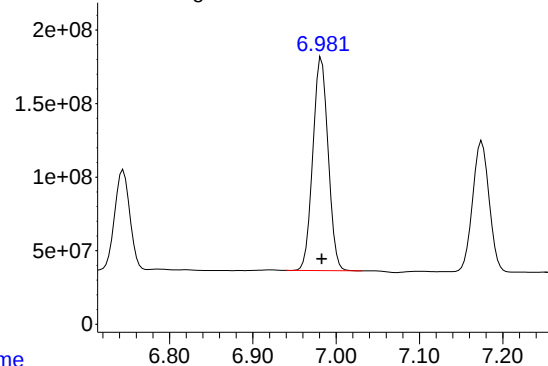
R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 232114406
Conc: 47.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

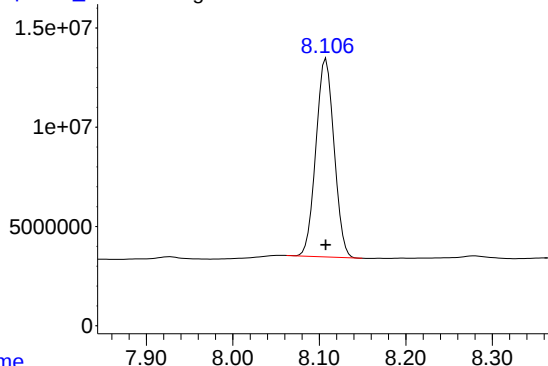
Time Response_ Signal: PD090731.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1848682498
Conc: 49.01 ng/ml

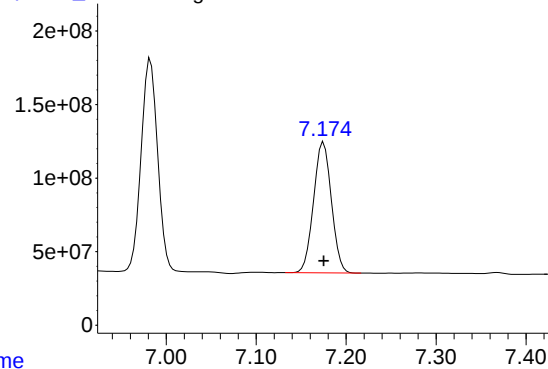
Time Response_ Signal: PD090731.D\ECD1A.ch



#22 Mirex

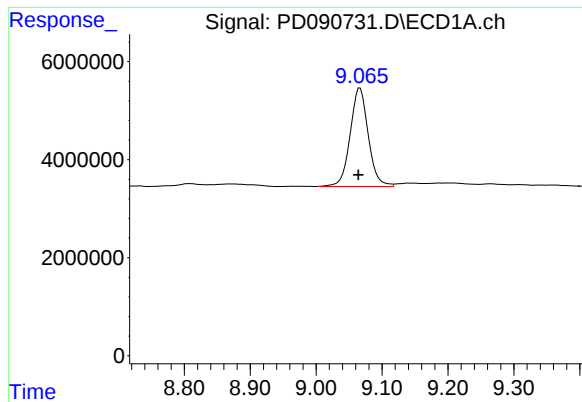
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 144838884
Conc: 45.25 ng/ml

Time Response_ Signal: PD090731.D\ECD2B.ch



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1224304713
Conc: 47.66 ng/ml



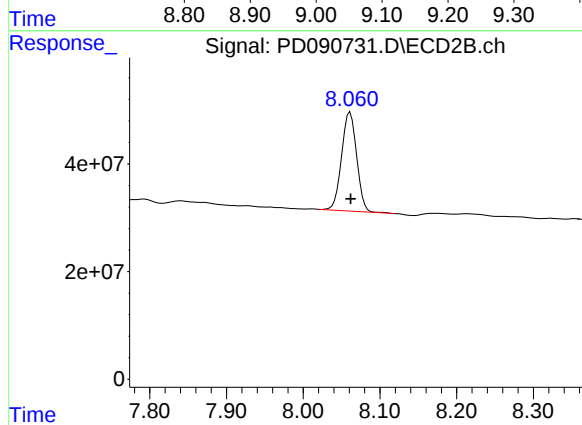
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.002 min
Response: 38392384
Conc: 8.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 250842228
Conc: 8.28 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:	PD102125	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090723.D	4,4"-DDD	Abdul	10/24/2025 9:25:02 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
PEM	PD090723.D	4,4"-DDD #2	Abdul	10/24/2025 9:25:02 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
PEM	PD090723.D	Endrin aldehyde	Abdul	10/24/2025 9:25:02 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
PEM	PD090723.D	Endrin aldehyde #2	Abdul	10/24/2025 9:25:02 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
PSTDCCC050	PD090724.D	beta-BHC #2	Abdul	10/27/2025 9:18:07 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
PSTDCCC050	PD090724.D	Heptachlor epoxide	Abdul	10/27/2025 9:18:07 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3402-07MS	PD090730.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:24:45 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3402-07MSD	PD090731.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:24:42 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3393-01	PD090742.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:23:52 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3393-01	PD090742.D	Tetrachloro-m-xylene #2	Abdul	10/24/2025 9:23:52 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3393-02	PD090743.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:23:48 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
PEM	PD090745.D	4,4"-DDD	Abdul	10/24/2025 9:23:45 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
PEM	PD090745.D	4,4"-DDD #2	Abdul	10/24/2025 9:23:45 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PD102125	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090745.D	Endrin aldehyde	Abdul	10/24/2025 9:23:45 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
PEM	PD090745.D	Endrin aldehyde #2	Abdul	10/24/2025 9:23:45 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3393-03	PD090747.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:23:42 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3393-04	PD090748.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:23:37 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3393-05	PD090749.D	Tetrachloro-m-xylene	Abdul	10/24/2025 9:23:33 AM	mohammad	10/28/2025 6:10:09	Peak Integrated by Software
Q3393-05	PD090749.D	Tetrachloro-m-xylene #2	Abdul	10/24/2025 9:23:33 AM	mohammad	10/28/2025 6:10:09	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 # PD102125

Review By	Abdul	Review On	10/24/2025 9:25:50 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:09 AM
SubDirectory	PD102125	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	PD090721.D	21 Oct 2025 09:30	AR\AJ	Ok
2	I.BLK	PD090722.D	21 Oct 2025 09:44	AR\AJ	Ok
3	PEM	PD090723.D	21 Oct 2025 09:58	AR\AJ	Ok,M
4	PSTDCCC050	PD090724.D	21 Oct 2025 12:40	AR\AJ	Ok,M
5	PB170179BL	PD090725.D	21 Oct 2025 14:44	AR\AJ	Ok
6	PB170179BS	PD090726.D	21 Oct 2025 14:58	AR\AJ	Ok
7	Q3402-01	PD090727.D	21 Oct 2025 15:18	AR\AJ	Ok,M
8	Q3402-04	PD090728.D	21 Oct 2025 15:32	AR\AJ	Ok,M
9	Q3402-07	PD090729.D	21 Oct 2025 15:46	AR\AJ	Ok,M
10	Q3402-07MS	PD090730.D	21 Oct 2025 15:59	AR\AJ	Ok,M
11	Q3402-07MSD	PD090731.D	21 Oct 2025 16:13	AR\AJ	Ok,M
12	I.BLK	PD090732.D	21 Oct 2025 16:27	AR\AJ	Ok
13	PSTDCCC050	PD090733.D	21 Oct 2025 16:40	AR\AJ	Ok
14	Q3402-10	PD090734.D	21 Oct 2025 16:54	AR\AJ	Ok,M
15	Q3397-01	PD090735.D	21 Oct 2025 17:08	AR\AJ	Ok,M
16	Q3403-01	PD090736.D	21 Oct 2025 17:21	AR\AJ	Ok,M
17	Q3376-01	PD090737.D	21 Oct 2025 17:35	AR\AJ	Ok,M
18	Q3376-02	PD090738.D	21 Oct 2025 17:48	AR\AJ	Ok,M
19	Q3376-03	PD090739.D	21 Oct 2025 18:02	AR\AJ	Ok,M
20	Q3376-04	PD090740.D	21 Oct 2025 18:16	AR\AJ	Ok,M
21	Q3376-05	PD090741.D	21 Oct 2025 18:29	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD102125

Review By	Abdul	Review On	10/24/2025 9:25:50 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:09 AM
SubDirectory	PD102125	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	Q3393-01	PD090742.D	21 Oct 2025 18:43	AR\AJ	Ok,M
23	Q3393-02	PD090743.D	21 Oct 2025 18:57	AR\AJ	Ok,M
24	I.BLK	PD090744.D	21 Oct 2025 19:10	AR\AJ	Ok
25	PEM	PD090745.D	21 Oct 2025 19:24	AR\AJ	Ok,M
26	PSTDCCC050	PD090746.D	21 Oct 2025 19:38	AR\AJ	Ok
27	Q3393-03	PD090747.D	21 Oct 2025 20:32	AR\AJ	Ok,M
28	Q3393-04	PD090748.D	21 Oct 2025 20:46	AR\AJ	Ok,M
29	Q3393-05	PD090749.D	21 Oct 2025 21:00	AR\AJ	Ok,M
30	I.BLK	PD090750.D	21 Oct 2025 21:13	AR\AJ	Ok
31	PSTDCCC050	PD090751.D	21 Oct 2025 21:27	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090646.D	17 Oct 2025 10:40		AR\AJ	Ok
2	I.BLK	I.BLK	PD090647.D	17 Oct 2025 10:53		AR\AJ	Ok
3	PEM	PEM	PD090648.D	17 Oct 2025 11:07		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090649.D	17 Oct 2025 11:20		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PD090650.D	17 Oct 2025 11:34		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090651.D	17 Oct 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090652.D	17 Oct 2025 12:01		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090653.D	17 Oct 2025 12:15		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090654.D	17 Oct 2025 12:28		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090656.D	17 Oct 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090657.D	17 Oct 2025 13:09		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090658.D	17 Oct 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090659.D	17 Oct 2025 13:36		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090660.D	17 Oct 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090661.D	17 Oct 2025 14:03		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090662.D	17 Oct 2025 14:17		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090663.D	17 Oct 2025 14:30		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD090664.D	17 Oct 2025 16:18		AR\AJ	Ok
20	PSTDICV050	ICVPD101725	PD090665.D	17 Oct 2025 16:46		AR\AJ	Ok
21	PCHLORICV500	ICVPD101725CHLOR	PD090666.D	17 Oct 2025 17:50		AR\AJ	Ok
22	PTOXICV500	ICVPD101725TOX	PD090667.D	17 Oct 2025 18:42		AR\AJ	Ok,M
23	I.BLK	I.BLK	PD090668.D	17 Oct 2025 19:50		AR\AJ	Ok
24	PEM	PEM	PD090669.D	17 Oct 2025 20:04		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD090670.D	17 Oct 2025 20:18		AR\AJ	Ok
26	PB170142BL	PB170142BL	PD090671.D	17 Oct 2025 20:31		AR\AJ	Ok
27	PB170142BS	PB170142BS	PD090672.D	17 Oct 2025 20:45		AR\AJ	Ok
28	Q3366-01	TR-06-101625	PD090673.D	17 Oct 2025 20:59		AR\AJ	Ok,M
29	Q3366-03	TR-1-101625	PD090674.D	17 Oct 2025 21:12		AR\AJ	Ok,M
30	Q3367-01	BU-03-101625	PD090675.D	17 Oct 2025 21:26		AR\AJ	Ok,M
31	Q3369-01	MH-22	PD090676.D	17 Oct 2025 21:40		AR\AJ	Ok,M
32	Q3369-05	MH-21	PD090677.D	17 Oct 2025 21:53		AR\AJ	Ok,M
33	Q3363-01	PR132-SO1-085011-20	PD090678.D	17 Oct 2025 22:48		AR\AJ	Ok,M
34	Q3363-02	PR132-SO1-039085-20	PD090679.D	17 Oct 2025 23:02		AR\AJ	Ok,M
35	Q3363-03	PR132-SO3-028010-20	PD090680.D	17 Oct 2025 23:15		AR\AJ	Ok,M
36	Q3363-04	PR132-SO3-010013-20	PD090681.D	17 Oct 2025 23:29		AR\AJ	Ok,M
37	Q3363-04MS	PR132-SO3-010013-20	PD090682.D	17 Oct 2025 23:43		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM
SubDirectory	PD101725	HP Acquire Method	HP Processing Method pd101725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q3363-04MSD	PR132-SO3-010013-20	PD090683.D	17 Oct 2025 23:56		AR\AJ	Ok,M
39	Q3363-05	COMP01-20251015	PD090684.D	18 Oct 2025 00:10		AR\AJ	Ok,M
40	Q3343-04MS	SOIL-ROLLOFF-WC-11	PD090685.D	18 Oct 2025 00:24		AR\AJ	Ok,M
41	Q3343-04MSD	SOIL-ROLLOFF-WC-11	PD090686.D	18 Oct 2025 00:37		AR\AJ	Ok
42	I.BLK	I.BLK	PD090687.D	18 Oct 2025 00:51		AR\AJ	Ok
43	PSTDCCC050	PSTDCCC050	PD090688.D	18 Oct 2025 02:13		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102125

Review By	Abdul	Review On	10/24/2025 9:25:50 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:09 AM
SubDirectory	PD102125	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	PD090721.D	21 Oct 2025 09:30		AR\AJ	Ok
2	I.BLK	I.BLK	PD090722.D	21 Oct 2025 09:44		AR\AJ	Ok
3	PEM	PEM	PD090723.D	21 Oct 2025 09:58		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090724.D	21 Oct 2025 12:40		AR\AJ	Ok,M
5	PB170179BL	PB170179BL	PD090725.D	21 Oct 2025 14:44		AR\AJ	Ok
6	PB170179BS	PB170179BS	PD090726.D	21 Oct 2025 14:58		AR\AJ	Ok
7	Q3402-01	41-LA	PD090727.D	21 Oct 2025 15:18		AR\AJ	Ok,M
8	Q3402-04	41-RA	PD090728.D	21 Oct 2025 15:32		AR\AJ	Ok,M
9	Q3402-07	41-LB	PD090729.D	21 Oct 2025 15:46		AR\AJ	Ok,M
10	Q3402-07MS	41-LBMS	PD090730.D	21 Oct 2025 15:59		AR\AJ	Ok,M
11	Q3402-07MSD	41-LBMSD	PD090731.D	21 Oct 2025 16:13		AR\AJ	Ok,M
12	I.BLK	I.BLK	PD090732.D	21 Oct 2025 16:27		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PD090733.D	21 Oct 2025 16:40		AR\AJ	Ok
14	Q3402-10	41-RB	PD090734.D	21 Oct 2025 16:54		AR\AJ	Ok,M
15	Q3397-01	TP-7-WC	PD090735.D	21 Oct 2025 17:08		AR\AJ	Ok,M
16	Q3403-01	MH-18	PD090736.D	21 Oct 2025 17:21		AR\AJ	Ok,M
17	Q3376-01	PR132-S05-057082-20	PD090737.D	21 Oct 2025 17:35		AR\AJ	Ok,M
18	Q3376-02	PR132-DP01-20251016	PD090738.D	21 Oct 2025 17:48		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD102125

Review By	Abdul	Review On	10/24/2025 9:25:50 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:09 AM
SubDirectory	PD102125	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	Q3376-03	PR132-COMP2-202510	PD090739.D	21 Oct 2025 18:02		AR\AJ	Ok,M
20	Q3376-04	PR132-S12-047072-20	PD090740.D	21 Oct 2025 18:16		AR\AJ	Ok,M
21	Q3376-05	PR132-S12-020047-20	PD090741.D	21 Oct 2025 18:29		AR\AJ	Ok,M
22	Q3393-01	PR132-S10-000022-20	PD090742.D	21 Oct 2025 18:43		AR\AJ	Ok,M
23	Q3393-02	PR132-S10-022047-20	PD090743.D	21 Oct 2025 18:57		AR\AJ	Ok,M
24	I.BLK	I.BLK	PD090744.D	21 Oct 2025 19:10		AR\AJ	Ok
25	PEM	PEM	PD090745.D	21 Oct 2025 19:24		AR\AJ	Ok,M
26	PSTDCCC050	PSTDCCC050	PD090746.D	21 Oct 2025 19:38		AR\AJ	Ok
27	Q3393-03	PR132-S08-013038-20	PD090747.D	21 Oct 2025 20:32		AR\AJ	Ok,M
28	Q3393-04	PR132-S06-000021-20	PD090748.D	21 Oct 2025 20:46		AR\AJ	Ok,M
29	Q3393-05	PR132-S08-000013-20	PD090749.D	21 Oct 2025 21:00		AR\AJ	Ok,M
30	I.BLK	I.BLK	PD090750.D	21 Oct 2025 21:13		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PD090751.D	21 Oct 2025 21:27		AR\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137589

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
Q3368-06	OUTSIDE-DUMPSTER	1	1.12	10.63	11.75	8.28	67.4	
Q3368-07	PRESS-SLUDGE	2	1.18	10.30	11.48	7.89	65.1	
Q3393-01	PR132-S10-000022-20251017	3	1.17	10.44	11.61	7.02	56.0	
Q3393-02	PR132-S10-022047-20251017	4	1.14	10.48	11.62	6.8	54.0	
Q3393-03	PR132-S08-013038-20251017	5	1.11	10.85	11.96	6.84	52.8	
Q3393-04	PR132-S06-000021-20251017	6	1.13	10.50	11.63	7.03	56.2	
Q3393-05	PR132-S08-000013-20251017	7	1.12	10.53	11.65	6.6	52.0	
Q3395-01	PR132-S09-000051-20251017	8	1.15	10.48	11.63	6.69	52.9	
Q3395-02	PR132-S07-000102-20251017	9	1.14	10.21	11.35	6.03	47.9	
Q3395-03	Q3395-02MS	10	1.14	10.21	11.35	6.03	47.9	
Q3395-04	Q3395-02MSD	11	1.14	10.21	11.35	6.03	47.9	
Q3395-05	PR132-S07-102116-20251017	12	1.13	10.12	11.25	6.33	51.4	
Q3395-06	PR132-COMP03-20251017	13	1.15	10.74	11.89	8.65	69.8	
Q3395-07	PR132-S08-038048-20251017	14	1.15	10.68	11.83	7.41	58.6	
Q3396-01	A	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3396-02	B	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3396-03	C	17	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3397-01	TP-7-WC	18	1.14	10.67	11.81	10.66	89.2	
Q3397-02	TP-7-EPH	19	1.18	10.18	11.36	9.81	84.8	
Q3397-03	TP-7-VOC	20	1.14	10.66	11.8	10.55	88.3	

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

WORKLIST(Hardcopy Internal Chain)

2B13758P

WorkList Name : % SOLID-102025 WorkList ID : 192564 Department : Wet-Chemistry Date : 10-20-2025 15:56:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3368-07	PRESS-SLUDGE	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3393-01	PR132-S10-000022-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-02	PR132-S10-022047-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-03	PR132-S08-013038-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-04	PR132-S06-000021-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-05	PR132-S08-000013-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-01	PR132-S09-000051-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-02	PR132-S07-000102-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-03	Q3395-02MS	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-04	Q3395-02MSD	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-05	PR132-S07-102116-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-06	PR132-COMP03-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-07	PR132-S08-038048-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3396-01	A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3396-02	B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3396-03	C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3397-01	TP-7-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO
Q3397-02	TP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO
Q3397-03	TP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO

Date/Time 10/20/25 16:20 Date/Time 10/20/25 17:40
 Raw Sample Received by: [Signature] Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature] Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Extraction Start Date : 10/21/2025

Matrix : Solid

Extraction Start Time : 09:11

Welgh By: EH

Extraction By: EH

Extraction End Date : 10/21/2025

Balance check: EH

Filter By: RS

Extraction End Time : 12:40

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: ☐ Seperatory Funnel

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	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

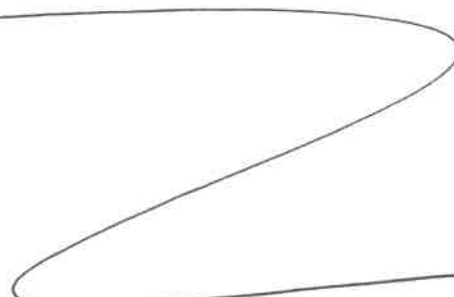
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/25 12:45	RS (Ext Lab)	RS (Ext Lab)
	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170179BL	PBLK179	Pesticide-TCL	30.02	N/A	Evelyn	RUPESE	10			U6-1
PB170179BS	PLCS179	Pesticide-TCL	30.01	N/A	Evelyn	RUPESE	10			2
Q3376-01	PR132-S05-057082-2025 1016	Pesticide-TCL	30.08	N/A	Evelyn	RUPESE	10	E		3
Q3376-02	PR132-DP01-20251016	Pesticide-TCL	30.04	N/A	Evelyn	RUPESE	10	E		4
Q3376-03	PR132-COMP2-20251016	Pesticide-TCL	30.02	N/A	Evelyn	RUPESE	10	E		5
Q3376-04	PR132-S12-047072-2025 1016	Pesticide-TCL	30.05	N/A	Evelyn	RUPESE	10	E		6
Q3376-05	PR132-S12-020047-2025 1016	Pesticide-TCL	30.01	N/A	Evelyn	RUPESE	10	E		U1-1
Q3393-01	PR132-S10-000022-2025 1017	Pesticide-TCL	30.06	N/A	Evelyn	RUPESE	10	E		2
Q3393-02	PR132-S10-022047-2025 1017	Pesticide-TCL	30.06	N/A	Evelyn	RUPESE	10	E		3
Q3393-03	PR132-S08-013038-2025 1017	Pesticide-TCL	30.05	N/A	Evelyn	RUPESE	10	E		4
Q3393-04	PR132-S06-000021-2025 1017	Pesticide-TCL	30.08	N/A	Evelyn	RUPESE	10	E		5
Q3393-05	PR132-S08-000013-2025 1017	Pesticide-TCL	30.04	N/A	Evelyn	RUPESE	10	E		6
Q3397-01	TP-7-WC	Pesticide-TCL	30.02	N/A	Evelyn	RUPESE	10	E		U2-1
Q3402-01	41-LA	Pesticide-TCL	30.01	N/A	Evelyn	RUPESE	10	E		2
Q3402-04	41-RA	Pesticide-TCL	30.09	N/A	Evelyn	RUPESE	10	E		3
Q3402-07	41-LB	Pesticide-TCL	30.02	N/A	Evelyn	RUPESE	10	E		4
Q3402-07MS	41-LBMS	Pesticide-TCL	30.05	N/A	Evelyn	RUPESE	10	E		5
Q3402-07MS D	41-LBMSD	Pesticide-TCL	30.04	N/A	Evelyn	RUPESE	10	E		6
Q3402-10	41-RB	Pesticide-TCL	30.03	N/A	Evelyn	RUPESE	10	E		U3-1
Q3403-01	MH-18	Pesticide-TCL	30.01	N/A	Evelyn	RUPESE	10	E		2



Rg
10/21

17-10-19
11:16

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3393 WorkList ID : 192573 Department : Extraction Date : 10-21-2025 08:43:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-01	PR132-S05-057082-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3376-02	PR132-DP01-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3376-03	PR132-COMP2-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3376-04	PR132-S12-047072-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3376-05	PR132-S12-020047-20251016	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/16/2025	8081B
Q3393-01	PR132-S10-000022-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3393-02	PR132-S10-022047-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3393-03	PR132-S08-013038-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3393-04	PR132-S06-000021-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3393-05	PR132-S08-000013-20251017	Solid	Pesticide-TCL	Cool 4 deg C	AECO02	D31	10/17/2025	8081B
Q3397-01	TP-7-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/18/2025	8081B
Q3402-01	41-LA	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/20/2025	8081B
Q3402-04	41-RA	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/20/2025	8081B
Q3402-07	41-LB	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/20/2025	8081B
Q3402-10	41-RB	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/20/2025	8081B
Q3403-01	MH-18	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/20/2025	8081B

Date/Time 10/21/25 9:05
Raw Sample Received by: RS (Ext-166) CP SM
Raw Sample Relinquished by: CP SM

Date/Time 10/21/25 9:10
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (Ext-166)

Prep Standard - Chemical Standard Summary

Order ID : Q3393
Test : Pesticide-TCL

Prepbatch ID : PB170179,
Sequence ID/Qc Batch ID: PD102125,

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

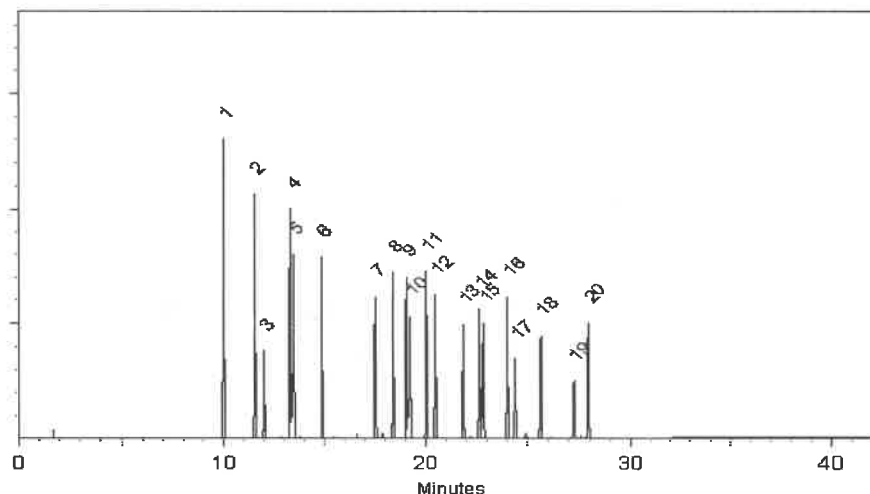
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**

Solvent(s):
Acetone
Lot#: 81025

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

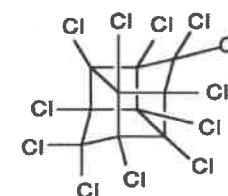
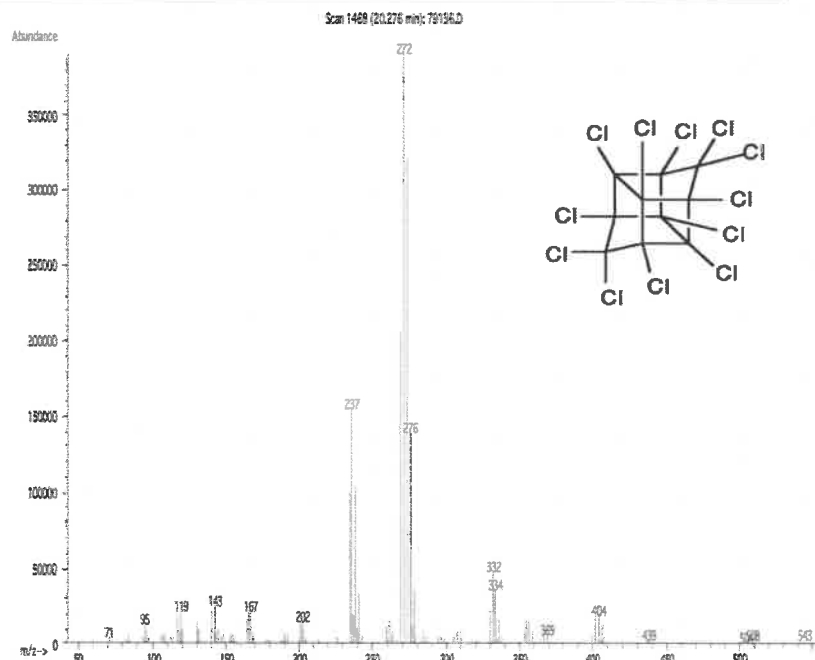
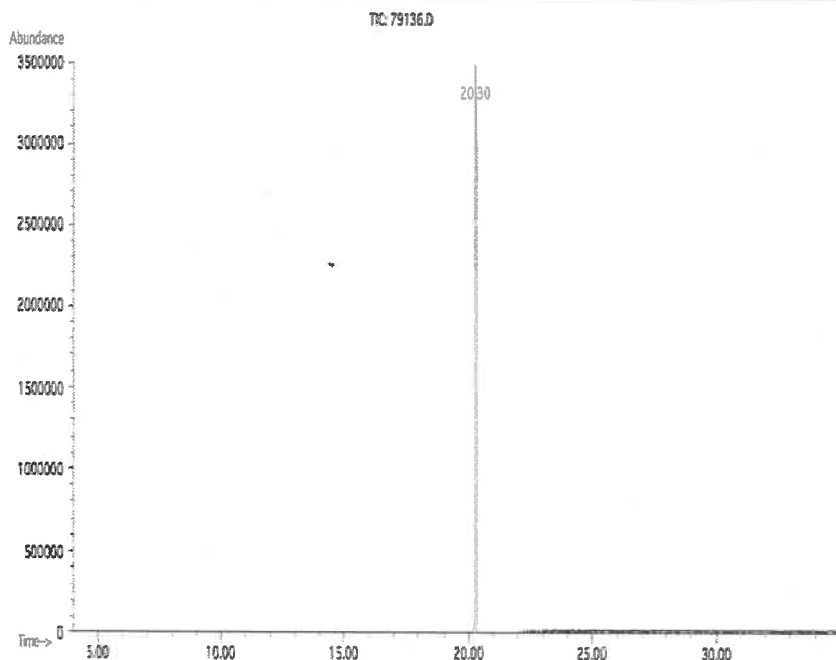
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
JALIN

5



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
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P 12605
[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:

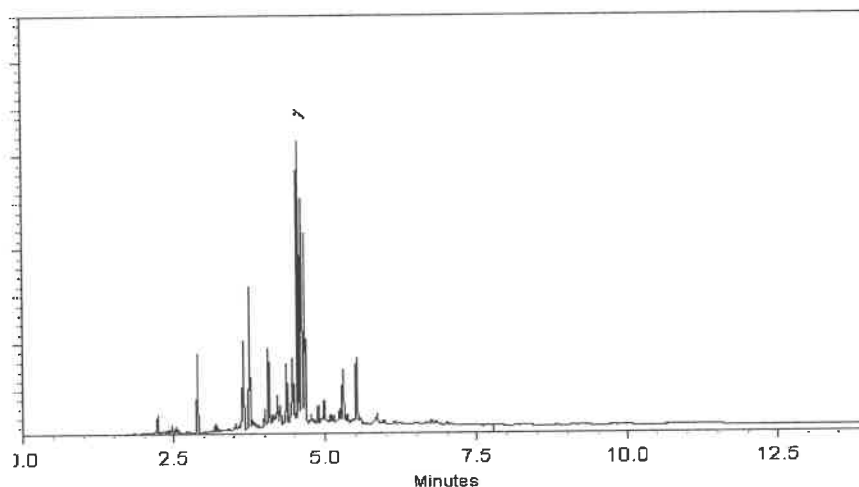
ECD

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

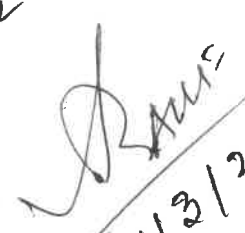
Date Mixed: 11-May-2023

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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32021 Lot No.: A0197993
Description: Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: August 31, 2029 Storage: 10°C or colder
Ship: Ambient

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:

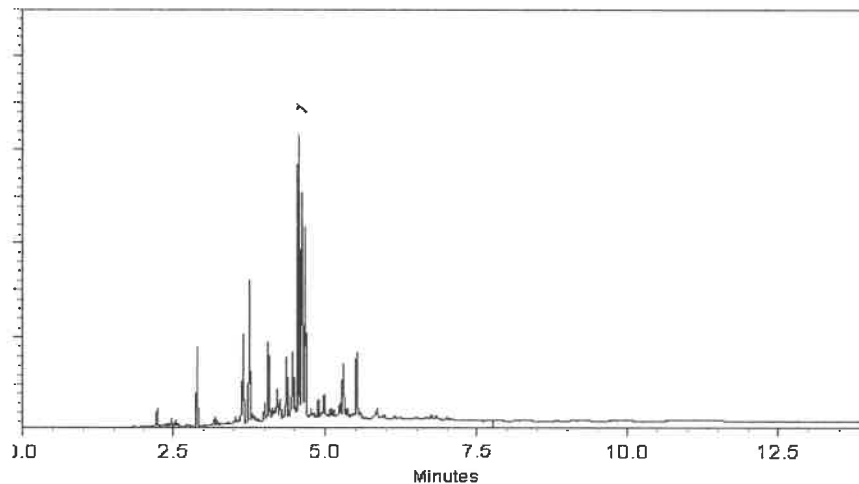
ECD

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
✓
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

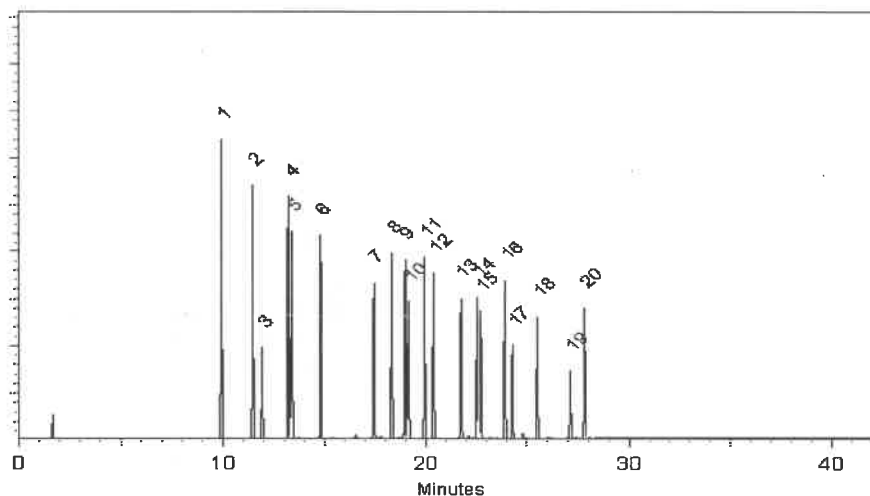
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino - 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)
 ↓
 P13247 }
 ↓
 02/9/2024



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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	—%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13773
↓
P13779
AI
11/19/24

05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

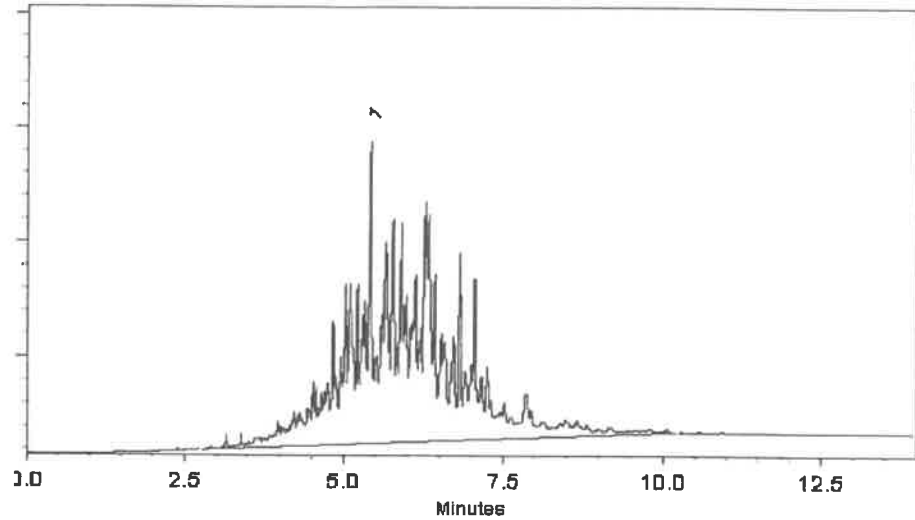
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

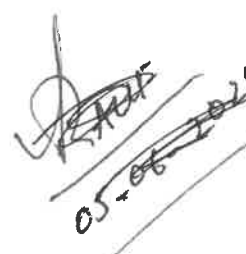
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397


P13338
↓
P13389
P13773
↓
P13779
AJ
11/19/24
05-06-2024



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. : 32074 **Lot No.:** A0213999

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25µg/mL,
Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13780
↓
P13784
AJ
11/19/24

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:

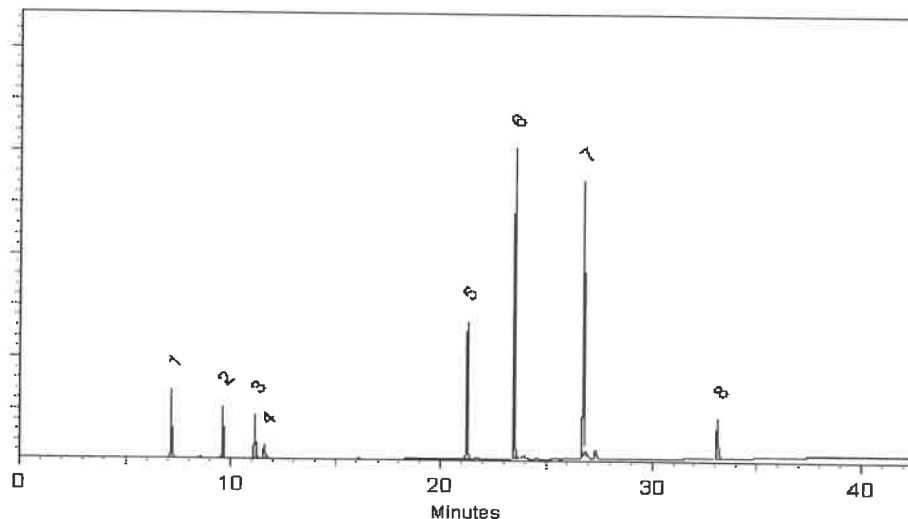
ECD

Split Vent:

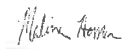
Split ratio 50:1

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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

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:

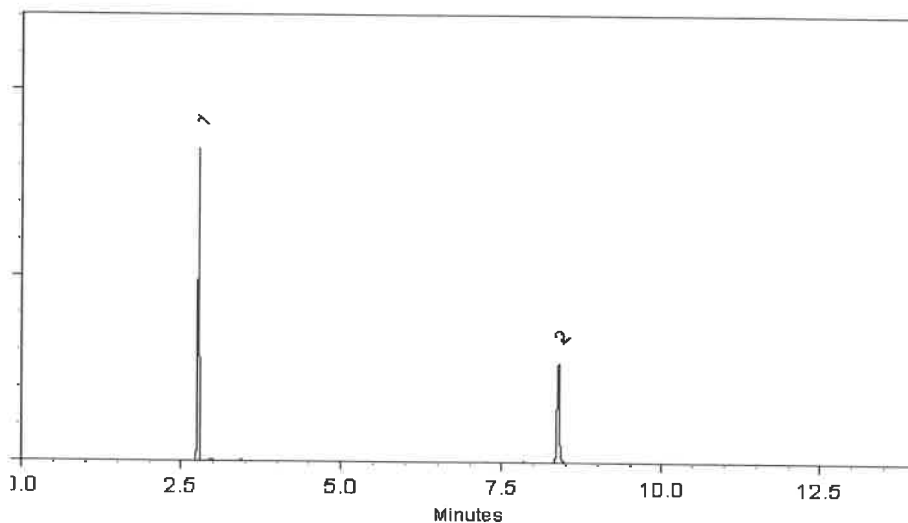
ECD

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

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:

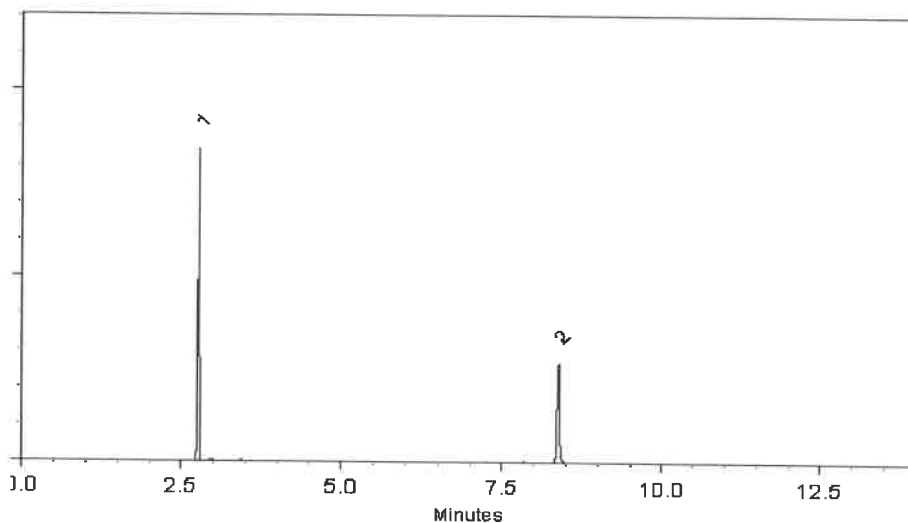
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

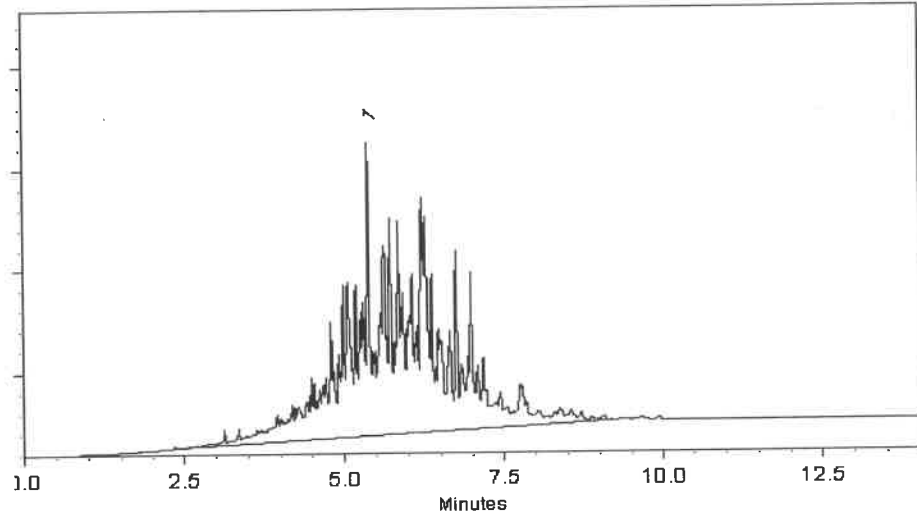
ECD

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**

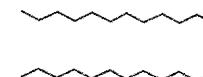
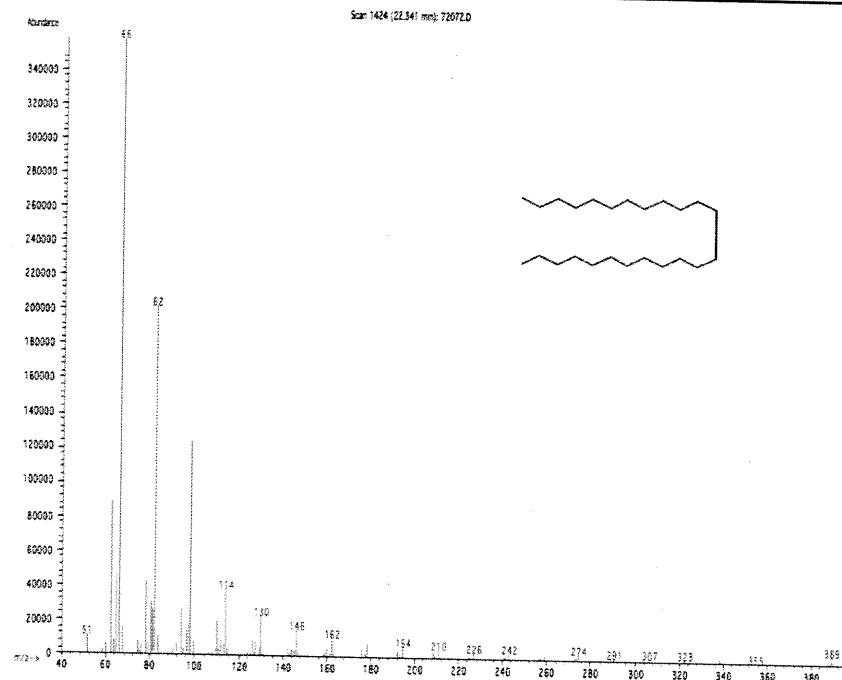
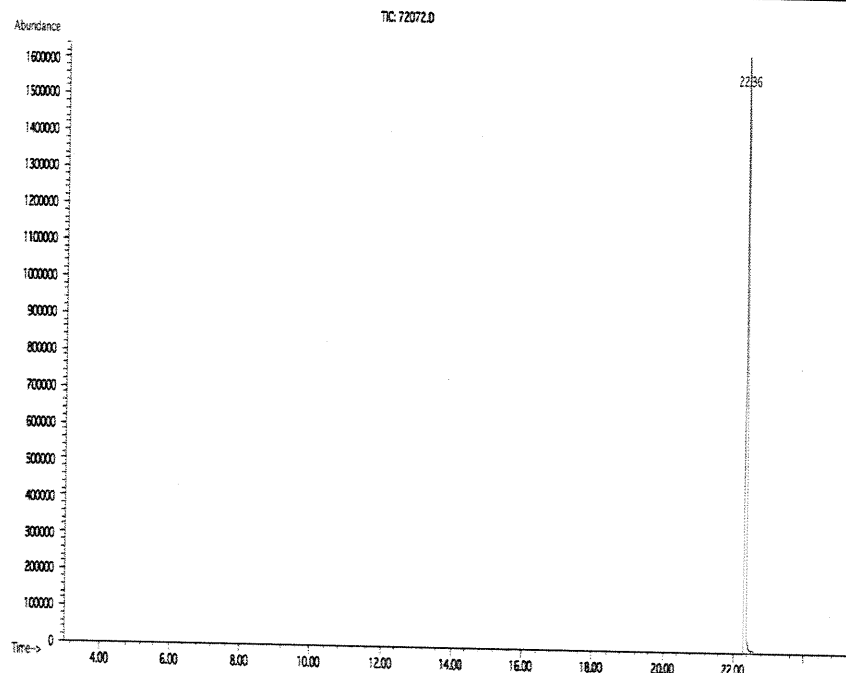
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

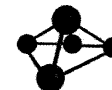
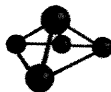
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

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

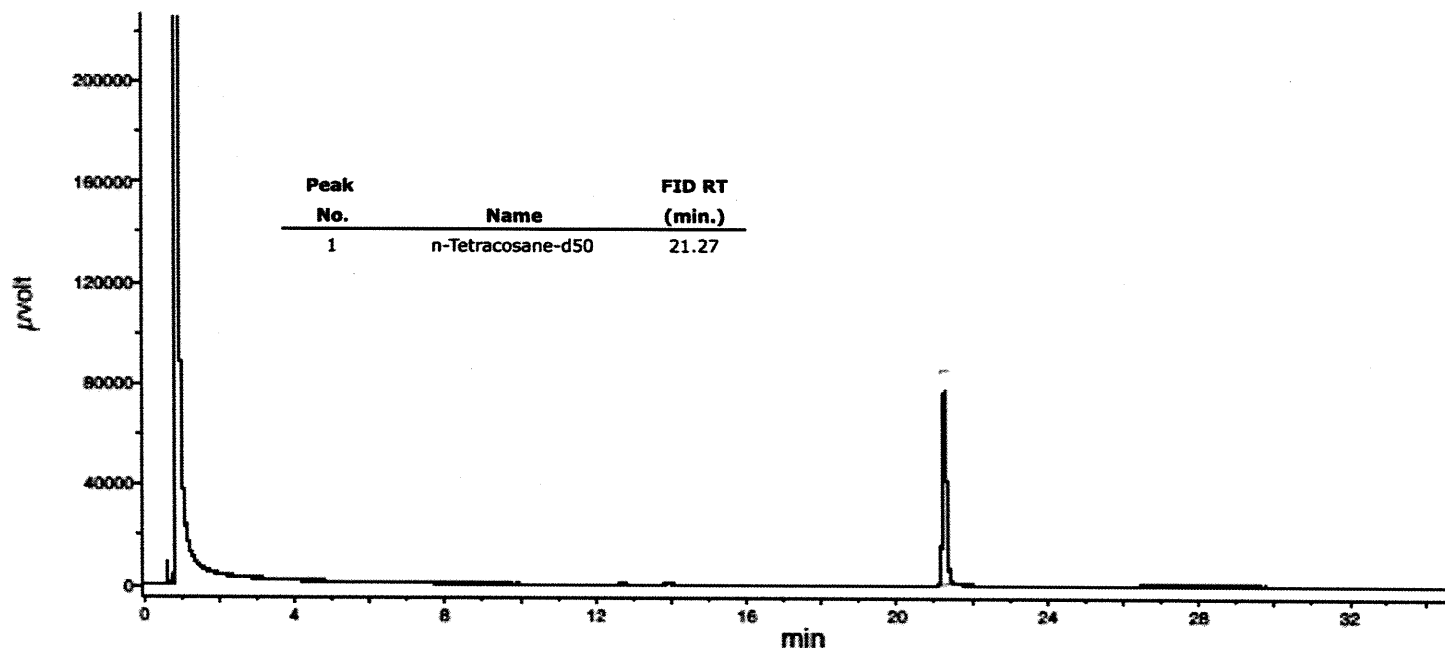
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60893795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10138
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. SVOCs
2. Pesticides
3. Heavy Metals
4. PCBs Hexachloro
5. Dioxin
6. Grain Size
7. TOC
8. VOCs
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									Method		Specify Preservatives			
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	A-HCl	D-NaOH	B-HNO3	E-ICE	C-H2SO4	F-OTHER
1.	PR132-S10-000022-20251017	S		X	10/17	0945	11	X	X	X	X	X	X	X	X							
2.	PR132-S10-022047-20251017	S		X	10/17	0955	11	X	X	X	X	X	X	X	X							
3.	PR132-S08-013038-20251017	S		X	10/17	0855	11	X	X	X	X	X	X	X	X							
4.	PR132-S06-000021-20251017	S		X	10/17	0800	11	X	X	X	X	X	X	X	X							
5.	Temp Blank	A			10/17		1	X	X	X	X	X			X							
6.	PR132-S08-000013-20251017	S		X	10/17	0845	11	X	X	X	X	X	X	X	X							
7.																						
8.																						
9.																						
10.																						

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

RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 10/17/25 4pm	RECEIVED BY: 1. [Signature] 1600	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 10-17-25	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 : Q3393	Order Date : 10/17/2025 4:23:00 PM	Project Mgr :
Client Name : AECOM	Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP A B
Client Contact : Rob Forstner	Receive DateTime : 10/17/2025 12:00:00 AM 17:40	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
Q3393-01	PR132-S10-000022-20251017	Solid	10/17/2025	09:45	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-02	PR132-S10-022047-20251017	Solid	10/17/2025	09:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-03	PR132-S08-013038-20251017	Solid	10/17/2025	08:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-04	PR132-S06-000021-20251017	Solid	10/17/2025	08:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-05	PR132-S08-000013-20251017	Solid	10/17/2025	08:45	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time : 10/20/25 1200

Received By :

Date / Time : 10/20/25 1200

Storage Area : VOA Refridgerator Room