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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2747

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2747

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2747-01	OU4-TS-GRILLO-OG2-073125
Q2747-02	OU4-TS-GRILLO-OG2-073125
Q2747-03	OU4-TS-GRILLO-OG3-073125
Q2747-04	OU4-TS-GRILLO-OG3-073125
Q2747-05	OU4-TS-GRILLO-OG4-073125
Q2747-06	OU4-TS-GRILLO-OG4-073125
Q2747-07	OU4-TS-GRILLO-TSCP01-073125
Q2747-08	OU4-TS-GRILLO-TSCP01-073125
Q2747-09	OU4-TS-GRILLO-TSCP02-073125
Q2747-10	OU4-TS-GRILLO-TSCP02-073125

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

Signature : **APPROVED** *By Nimisha Pandya, QA/QC Supervisor at 11:51 am, Aug 14, 2025*

Date: 8/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2747
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

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 was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for OU4-TS-GRILLO-TSCP02-073125 [Decachlorobiphenyl(1)52%]As per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.

The Retention Times were met for all analysis.

The MS {Q2734-01MS} with File ID: PL096696.D recoveries met the requirements for all compounds except for [4,4-DDT(2)-30%] due to matrix interference.

The MSD {Q2734-01MSD} with File ID: PL096697.D recoveries met the requirements for all compounds except for [4,4-DDT(2)-28%] due to matrix interference.

The RPD for {Q2734-01MSD} with File ID: PL096697.D met criteria except for Methoxychlor(1)-26% due to difference in result of MS and MSD.

The Blank Spike met requirements for all compounds.

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

The %RSD is greater than 20% in the Initial Calibration (Method PL072825.M) for Endrin aldehyde in 2nd column, this Compound is passing on Linear regression.

The Continuous Calibration File ID PD089774.D met the requirements except for Endrin aldehyde is failing in 2nd column but no positive hit in associated samples therefore no corrective action taken.

E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/kg.

The not QT review data is reported in the Miscellaneous.

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

For samples # OU4-TS-GRILLO-OG4-073125 compound # gamma-Chlordane below Method detection limits, therefore it is not reported as Hit in Form-1.

Sample # OU4-TS-GRILLO-OG3-073125 was reported with J flag on form-1 for compound # gamma-Chlordane, based on reporting criteria of high concentration from both column, now for the other column compound detection is below MDL , therefore it is not detecting on Compound Detection Summary form .

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

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

Signature_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 11:52 am, Aug 14, 2025

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is 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: Q2747 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 %RSD is greater than 20% in the Initial Calibration (Method PL072825.M) for Endrin aldehyde in 2nd column, this Compound is passing on Linear regression. The Continuous Calibration File ID PD089774.D met the requirements except for Endrin aldehyde is failing in 2nd column but no positive hit in associated samples therefore no corrective action taken.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis except for OU4-TS-GRILLO-TSCP02-073125 [Decachlorobiphenyl(1)52%]As per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q2734-01MS} with File ID: PL096696.D recoveries met the requirements for all compounds except for [4,4-DDT(2)-30%] due to matrix interference. The MSD {Q2734-01MSD} with File ID: PL096697.D recoveries met the requirements for all compounds except for [4,4-DDT(2)-28%] due to matrix interference. The Blank Spike met requirements for all compounds. The RPD for {Q2734-01MSD} with File ID: PL096697.D met criteria except for Methoxychlor(1)-26% due to difference in result of MS and MSD.		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
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.			

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

The not QT review data is reported in the Miscellaneous.

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

For samples # OU4-TS-GRILLO-OG4-073125 compound # gamma-Chlordane below Method detection limits, therefore it is not reported as Hit in Form-1.

Sample # OU4-TS-GRILLO-OG3-073125 was reported with J flag on form-1 for compound # gamma-Chlordane, based on reporting criteria of high concentration from both column, now for the other column compound detection is below MDL , therefore it is not detecting on Compound Detection Summary form .

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 11:26 am, Aug 14, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2747

	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:** 08/12/2025

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LAB CHRONICLE

OrderID:	Q2747	**OrderDate:**	8/1/2025 10:40:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2747-01	**OU4-TS-GRILLO-OG2-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/04/25	
			PCB	8082A		08/04/25	08/05/25	
			Pesticide-TCL	8081B		08/04/25	08/06/25	
Q2747-01RE	**OU4-TS-GRILLO-OG2-073125RE**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/05/25	
Q2747-03	**OU4-TS-GRILLO-OG3-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/05/25	
			PCB	8082A		08/04/25	08/04/25	
			Pesticide-TCL	8081B		08/04/25	08/06/25	
Q2747-05	**OU4-TS-GRILLO-OG4-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/04/25	
			PCB	8082A		08/04/25	08/04/25	
			Pesticide-TCL	8081B		08/04/25	08/06/25	
Q2747-07	**OU4-TS-GRILLO-TSCP01-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/04/25	
			PCB	8082A		08/04/25	08/05/25	
			Pesticide-TCL	8081B		08/04/25	08/06/25	
Q2747-09	**OU4-TS-GRILLO-TSCP02-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/05/25	
			PCB	8082A		08/04/25	08/05/25	
			Pesticide-TCL	8081B		08/04/25	08/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2747 **Order ID:** Q2747

Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-GRILLO-OG2-073125									
Q2747-01	OU4-TS-GRILLO-OG	SOIL	4,4-DDE	0.0011	JP	0.00018	0.00044	0.0022	mg/Kg
Q2747-01	OU4-TS-GRILLO-OG	SOIL	alpha-Chlordane	0.00029	J	0.00016	0.00044	0.0022	mg/Kg
			Total Concentration:			**0.00139**			
Client ID : OU4-TS-GRILLO-OG3-073125									
Q2747-03	OU4-TS-GRILLO-OG	SOIL	4,4-DDE	0.0013	JP	0.00018	0.00042	0.0022	mg/Kg
Q2747-03	OU4-TS-GRILLO-OG	SOIL	alpha-Chlordane	0.00042	J	0.00015	0.00042	0.0022	mg/Kg
Q2747-03	OU4-TS-GRILLO-OG	SOIL	gamma-Chlordane	0.00025	J	0.00019	0.00042	0.0022	mg/Kg
			Total Concentration:			**0.00197**			
Client ID : OU4-TS-GRILLO-OG4-073125									
Q2747-05	OU4-TS-GRILLO-OG	SOIL	4,4-DDE	0.0013	JP	0.00017	0.00041	0.0021	mg/Kg
Q2747-05	OU4-TS-GRILLO-OG	SOIL	alpha-Chlordane	0.00034	J	0.00015	0.00041	0.0021	mg/Kg
			Total Concentration:			**0.00164**			
Client ID : OU4-TS-GRILLO-TSCP01-07312									
Q2747-07	OU4-TS-GRILLO-TS	SOIL	4,4-DDE	0.0048		0.00021	0.00050	0.0026	mg/Kg
Q2747-07	OU4-TS-GRILLO-TS	SOIL	4,4-DDT	0.014		0.00021	0.00050	0.0026	mg/Kg
Q2747-07	OU4-TS-GRILLO-TS	SOIL	alpha-Chlordane	0.0041		0.00018	0.00050	0.0026	mg/Kg
Q2747-07	OU4-TS-GRILLO-TS	SOIL	gamma-Chlordane	0.0018	J	0.00023	0.00050	0.0026	mg/Kg
			Total Concentration:			**0.02470**			
Client ID : OU4-TS-GRILLO-TSCP02-07312									
Q2747-09	OU4-TS-GRILLO-TS	SOIL	4,4-DDE	0.0044		0.00022	0.00052	0.0027	mg/Kg
Q2747-09	OU4-TS-GRILLO-TS	SOIL	4,4-DDT	0.0013	JP	0.00022	0.00052	0.0027	mg/Kg
Q2747-09	OU4-TS-GRILLO-TS	SOIL	alpha-Chlordane	0.0034		0.00019	0.00052	0.0027	mg/Kg
Q2747-09	OU4-TS-GRILLO-TS	SOIL	gamma-Chlordane	0.0015	JP	0.00024	0.00052	0.0027	mg/Kg
			Total Concentration:			**0.01060**			

QC SUMMARY

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Surrogate Summary

SDG No.: Q2747

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089685.D	PIBLK-PD089685.D	Decachlorobiphen	1	20	20.9	104		30	135
		Tetrachloro-m-xyl	1	20	19.6	98		44	124
		Decachlorobiphen	2	20	20.9	104		30	135
		Tetrachloro-m-xyl	2	20	20.4	102		44	124
I.BLK-PD089773.D	PIBLK-PD089773.D	Decachlorobiphen	1	20	21.1	106		30	135
		Tetrachloro-m-xyl	1	20	20.2	101		44	124
		Decachlorobiphen	2	20	24.1	120		30	135
		Tetrachloro-m-xyl	2	20	24.1	120		44	124
Q2747-01	OU4-TS-GRILLO-OG2-073125	Decachlorobiphen	1	20	12.0	60		55	130
		Tetrachloro-m-xyl	1	20	10.8	54		42	129
		Decachlorobiphen	2	20	13.7	68		55	130
		Tetrachloro-m-xyl	2	20	12.9	64		42	129
Q2747-03	OU4-TS-GRILLO-OG3-073125	Decachlorobiphen	1	20	15.8	79		55	130
		Tetrachloro-m-xyl	1	20	12.0	60		42	129
		Decachlorobiphen	2	20	17.2	86		55	130
		Tetrachloro-m-xyl	2	20	14.9	75		42	129
Q2747-05	OU4-TS-GRILLO-OG4-073125	Decachlorobiphen	1	20	11.6	58		55	130
		Tetrachloro-m-xyl	1	20	13.0	65		42	129
		Decachlorobiphen	2	20	12.7	63		55	130
		Tetrachloro-m-xyl	2	20	15.5	77		42	129
Q2747-07	OU4-TS-GRILLO-TSCP01-0731	Decachlorobiphen	1	20	13.3	67		55	130
		Tetrachloro-m-xyl	1	20	9.18	46		42	129
		Decachlorobiphen	2	20	14.9	75		55	130
		Tetrachloro-m-xyl	2	20	11.0	55		42	129
I.BLK-PD089784.D	PIBLK-PD089784.D	Decachlorobiphen	1	20	20.7	104		30	135
		Tetrachloro-m-xyl	1	20	20.1	101		44	124
		Decachlorobiphen	2	20	22.8	114		30	135
		Tetrachloro-m-xyl	2	20	24.4	122		44	124
I.BLK-PD089787.D	PIBLK-PD089787.D	Decachlorobiphen	1	20	21.5	107		30	135
		Tetrachloro-m-xyl	1	20	21.1	105		44	124
		Decachlorobiphen	2	20	23.9	120		30	135
		Tetrachloro-m-xyl	2	20	25.7	128	*	44	124
Q2747-09	OU4-TS-GRILLO-TSCP02-0731	Decachlorobiphen	1	20	10.5	52	*	55	130
		Tetrachloro-m-xyl	1	20	8.30	42		42	129
		Decachlorobiphen	2	20	12.3	61		55	130
		Tetrachloro-m-xyl	2	20	9.85	49		42	129
I.BLK-PD089792.D	PIBLK-PD089792.D	Decachlorobiphen	1	20	21.8	109		30	135
		Tetrachloro-m-xyl	1	20	21.2	106		44	124
		Decachlorobiphen	2	20	24.3	122		30	135
		Tetrachloro-m-xyl	2	20	25.5	128	*	44	124
I.BLK-PL096593.D	PIBLK-PL096593.D	Decachlorobiphen	1	20	19.2	96		30	135

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Surrogate Summary

SDG No.: Q2747

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PL096593.D	PIBLK-PL096593.D	Tetrachloro-m-xyl	1	20	18.6	93		44	124
		Decachlorobiphen	2	20	19.1	95		30	135
		Tetrachloro-m-xyl	2	20	18.3	92		44	124
I.BLK-PL096687.D	PIBLK-PL096687.D	Decachlorobiphen	1	20	24.6	123		30	135
		Tetrachloro-m-xyl	1	20	23.1	116		44	124
		Decachlorobiphen	2	20	24.3	121		30	135
		Tetrachloro-m-xyl	2	20	23.8	119		44	124
PB169093BL	PB169093BL	Decachlorobiphen	1	20	20.3	102		55	130
		Tetrachloro-m-xyl	1	20	18.8	94		42	129
		Decachlorobiphen	2	20	21.4	107		55	130
		Tetrachloro-m-xyl	2	20	19.2	96		42	129
PB169093BS	PB169093BS	Decachlorobiphen	1	20	21.9	110		55	130
		Tetrachloro-m-xyl	1	20	20.4	102		42	129
		Decachlorobiphen	2	20	22.7	114		55	130
		Tetrachloro-m-xyl	2	20	20.9	104		42	129
Q2734-01MS	VNJ-253MS	Decachlorobiphen	1	20	20.9	104		55	130
		Tetrachloro-m-xyl	1	20	17.3	86		42	129
		Decachlorobiphen	2	20	24.5	123		55	130
		Tetrachloro-m-xyl	2	20	21.4	107		42	129
Q2734-01MSD	VNJ-253MSD	Decachlorobiphen	1	20	20.1	101		55	130
		Tetrachloro-m-xyl	1	20	16.6	83		42	129
		Decachlorobiphen	2	20	21.5	108		55	130
		Tetrachloro-m-xyl	2	20	21.2	106		42	129
I.BLK-PL096698.D	PIBLK-PL096698.D	Decachlorobiphen	1	20	23.0	115		30	135
		Tetrachloro-m-xyl	1	20	21.8	109		44	124
		Decachlorobiphen	2	20	20.1	100		30	135
		Tetrachloro-m-xyl	2	20	22.3	112		44	124

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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PL096696.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2734-01MS (Column 1)**	**Client Sample ID:**		**VNJ-253MS**								
	alpha-BHC	18.45	0	17.3	ug/kg	94				45	137	
	beta-BHC	18.45	0	19.1	ug/kg	104				50	136	
	delta-BHC	18.45	0	18.9	ug/kg	102				47	139	
	gamma-BHC (Lindane)	18.45	0	17.5	ug/kg	95				49	135	
	Heptachlor	18.45	0	18.9	ug/kg	102				47	136	
	Aldrin	18.45	0	17.6	ug/kg	95				45	136	
	Heptachlor epoxide	18.45	0	24.1	ug/kg	131				52	136	
	Endosulfan I	18.45	0	19.4	ug/kg	105				53	132	
	Dieldrin	18.45	0	17.4	ug/kg	94				56	136	
	4,4'-DDE	18.45	7.3	24.8	ug/kg	95				56	134	
	Endrin	18.45	0	16.1	ug/kg	87				57	140	
	Endosulfan II	18.45	0	18.8	ug/kg	102				53	134	
	4,4'-DDD	18.45	0	22.0	ug/kg	119				56	139	
	Endosulfan sulfate	18.45	0	17.8	ug/kg	96				55	136	
	4,4'-DDT	18.45	8.8	25.9	ug/kg	93				50	141	
	Methoxychlor	18.45	0	19.3	ug/kg	105				52	143	
	Endrin ketone	18.45	0	19.5	ug/kg	106				55	136	
	Endrin aldehyde	18.45	0	19.9	ug/kg	108				35	137	
	alpha-Chlordane	18.45	0	18.5	ug/kg	100				54	133	
	gamma-Chlordane	18.45	0	19.7	ug/kg	107				53	135	
Lab Sample ID:	**Q2734-01MS (Column 2)**	**Client Sample ID:**		**VNJ-253MS**								
	alpha-BHC	18.45	0	17.5	ug/kg	95				45	137	
	beta-BHC	18.45	0	20.8	ug/kg	113				50	136	
	delta-BHC	18.45	0	17.5	ug/kg	95				47	139	
	gamma-BHC (Lindane)	18.45	0	18.4	ug/kg	100				49	135	
	Heptachlor	18.45	0	17.9	ug/kg	97				47	136	
	Aldrin	18.45	0	17.4	ug/kg	94				45	136	
	Heptachlor epoxide	18.45	0	18.8	ug/kg	102				52	136	
	Endosulfan I	18.45	0	19.5	ug/kg	106				53	132	
	Dieldrin	18.45	0	18.7	ug/kg	101				56	136	
	4,4'-DDE	18.45	8.1	25.2	ug/kg	93				56	134	
	Endrin	18.45	0	21.1	ug/kg	114				57	140	
	Endosulfan II	18.45	0	17.8	ug/kg	96				53	134	
	4,4'-DDD	18.45	0	18.1	ug/kg	98				56	139	
	Endosulfan sulfate	18.45	0	17.5	ug/kg	95				55	136	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PL096696.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	18.45	16.6	22.2	ug/kg	30	*			50	141	
Methoxychlor	18.45	0	15.1	ug/kg	82				52	143	
Endrin ketone	18.45	0	16.2	ug/kg	88				55	136	
Endrin aldehyde	18.45	0	13.6	ug/kg	74				35	137	
alpha-Chlordane	18.45	0	18.3	ug/kg	99				54	133	
gamma-Chlordane	18.45	0	17.9	ug/kg	97				53	135	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PL096697.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2734-01MSD (Column 1)**	**Client Sample ID:**		**VNJ-253MSD**								
	alpha-BHC	18.44	0	17.4	ug/kg	94		0		45	137	20
	beta-BHC	18.44	0	18.6	ug/kg	101		3		50	136	20
	delta-BHC	18.44	0	19.3	ug/kg	105		3		47	139	20
	gamma-BHC (Lindane)	18.44	0	18.0	ug/kg	98		3		49	135	20
	Heptachlor	18.44	0	18.5	ug/kg	100		2		47	136	20
	Aldrin	18.44	0	17.8	ug/kg	97		2		45	136	20
	Heptachlor epoxide	18.44	0	24.4	ug/kg	132		1		52	136	20
	Endosulfan I	18.44	0	19.7	ug/kg	107		2		53	132	20
	Dieldrin	18.44	0	17.3	ug/kg	94		0		56	136	20
	4,4'-DDE	18.44	7.3	25.2	ug/kg	97		2		56	134	20
	Endrin	18.44	0	16.5	ug/kg	89		2		57	140	20
	Endosulfan II	18.44	0	17.8	ug/kg	97		5		53	134	20
	4,4'-DDD	18.44	0	21.3	ug/kg	116		3		56	139	20
	Endosulfan sulfate	18.44	0	18.4	ug/kg	100		4		55	136	20
	4,4'-DDT	18.44	8.8	25.4	ug/kg	90		3		50	141	20
	Methoxychlor	18.44	0	14.9	ug/kg	81		26	*	52	143	20
	Endrin ketone	18.44	0	17.6	ug/kg	95		11		55	136	20
	Endrin aldehyde	18.44	0	20.8	ug/kg	113		5		35	137	20
	alpha-Chlordane	18.44	0	19.0	ug/kg	103		3		54	133	20
	gamma-Chlordane	18.44	0	18.4	ug/kg	100		7		53	135	20
Lab Sample ID:	**Q2734-01MSD (Column 2)**	**Client Sample ID:**		**VNJ-253MSD**								
	alpha-BHC	18.44	0	17.5	ug/kg	95		0		45	137	20
	beta-BHC	18.44	0	20.4	ug/kg	111		2		50	136	20
	delta-BHC	18.44	0	17.4	ug/kg	94		1		47	139	20
	gamma-BHC (Lindane)	18.44	0	18.3	ug/kg	99		1		49	135	20
	Heptachlor	18.44	0	17.8	ug/kg	97		0		47	136	20
	Aldrin	18.44	0	17.3	ug/kg	94		0		45	136	20
	Heptachlor epoxide	18.44	0	18.6	ug/kg	101		1		52	136	20
	Endosulfan I	18.44	0	19.3	ug/kg	105		1		53	132	20
	Dieldrin	18.44	0	18.6	ug/kg	101		0		56	136	20
	4,4'-DDE	18.44	8.1	25.0	ug/kg	92		1		56	134	20
	Endrin	18.44	0	20.7	ug/kg	112		2		57	140	20
	Endosulfan II	18.44	0	17.7	ug/kg	96		0		53	134	20
	4,4'-DDD	18.44	0	18.1	ug/kg	98		0		56	139	20
	Endosulfan sulfate	18.44	0	17.4	ug/kg	94		1		55	136	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PL096697.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	18.44	16.6	21.8	ug/kg	28	*	7		50	141	20
Methoxychlor	18.44	0	15.5	ug/kg	84		2		52	143	20
Endrin ketone	18.44	0	16.1	ug/kg	87		1		55	136	20
Endrin aldehyde	18.44	0	14.6	ug/kg	79		7		35	137	20
alpha-Chlordane	18.44	0	18.1	ug/kg	98		1		54	133	20
gamma-Chlordane	18.44	0	17.8	ug/kg	97		0		53	135	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** 8081B

Client: Nobis Group **Datafile :** PL096691.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169093BS (Column 1)	alpha-BHC	16.67	17.7	ug/kg	106				45	137	
	beta-BHC	16.67	17.4	ug/kg	104				50	136	
	delta-BHC	16.67	17.8	ug/kg	107				47	139	
	gamma-BHC (Lindane)	16.67	17.3	ug/kg	104				49	135	
	Heptachlor	16.67	17.2	ug/kg	103				47	136	
	Aldrin	16.67	17.2	ug/kg	103				45	136	
	Heptachlor epoxide	16.67	17.2	ug/kg	103				52	136	
	Endosulfan I	16.67	17.3	ug/kg	104				53	132	
	Dieldrin	16.67	17.3	ug/kg	104				56	136	
	4,4'-DDE	16.67	17.5	ug/kg	105				56	134	
	Endrin	16.67	15.0	ug/kg	90				57	140	
	Endosulfan II	16.67	16.4	ug/kg	98				53	134	
	4,4'-DDD	16.67	18.3	ug/kg	110				56	139	
	Endosulfan sulfate	16.67	17.4	ug/kg	104				55	136	
	4,4'-DDT	16.67	14.6	ug/kg	88				50	141	
	Methoxychlor	16.67	13.9	ug/kg	83				52	143	
	Endrin ketone	16.67	18.7	ug/kg	112				55	136	
	Endrin aldehyde	16.67	19.6	ug/kg	118				35	137	
	alpha-Chlordane	16.67	17.1	ug/kg	103				54	133	
	gamma-Chlordane	16.67	17.6	ug/kg	106				53	135	
PB169093BS (Column 2)	alpha-BHC	16.67	17.8	ug/kg	107				45	137	
	beta-BHC	16.67	17.1	ug/kg	103				50	136	
	delta-BHC	16.67	17.5	ug/kg	105				47	139	
	gamma-BHC (Lindane)	16.67	17.5	ug/kg	105				49	135	
	Heptachlor	16.67	16.4	ug/kg	98				47	136	
	Aldrin	16.67	17.5	ug/kg	105				45	136	
	Heptachlor epoxide	16.67	17.3	ug/kg	104				52	136	
	Endosulfan I	16.67	16.7	ug/kg	100				53	132	
	Dieldrin	16.67	17.3	ug/kg	104				56	136	
	4,4'-DDE	16.67	17.4	ug/kg	104				56	134	
	Endrin	16.67	14.5	ug/kg	87				57	140	
	Endosulfan II	16.67	17.4	ug/kg	104				53	134	
	4,4'-DDD	16.67	18.4	ug/kg	110				56	139	
	Endosulfan sulfate	16.67	17.4	ug/kg	104				55	136	
	4,4'-DDT	16.67	14.9	ug/kg	89				50	141	
	Methoxychlor	16.67	14.1	ug/kg	85				52	143	
	Endrin ketone	16.67	18.6	ug/kg	112				55	136	
	Endrin aldehyde	16.67	19.9	ug/kg	119				35	137	
	alpha-Chlordane	16.67	17.1	ug/kg	103				54	133	
	gamma-Chlordane	16.67	17.7	ug/kg	106				53	135	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169093BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2747

Lab Sample ID: PB169093BL | Lab File ID: PL096690.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/04/2025

Date Analyzed (1): 08/04/2025 | Date Analyzed (2): 08/04/2025

Time Analyzed (1): 12:30 | Time Analyzed (2): 12:30

Instrument ID (1): ECD_L | Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
OU4-TS-GRILLO-OG2-073125	Q2747-01	PD089779.D	08/06/2025	08/06/2025
OU4-TS-GRILLO-OG3-073125	Q2747-03	PD089780.D	08/06/2025	08/06/2025
OU4-TS-GRILLO-OG4-073125	Q2747-05	PD089781.D	08/06/2025	08/06/2025
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	PD089782.D	08/06/2025	08/06/2025
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	PD089791.D	08/07/2025	08/07/2025
PB169093BS	PB169093BS	PL096691.D	08/04/2025	08/04/2025
VNJ-253MS	Q2734-01MS	PL096696.D	08/04/2025	08/04/2025
VNJ-253MSD	Q2734-01MSD	PL096697.D	08/04/2025	08/04/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	75.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089779.D	1	08/04/25 08:55	08/06/25 18:23	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00044	U	0.00017	0.00044	0.0022	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00024	0.0011	0.0022	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00051	0.0011	0.0022	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00044	U	0.00018	0.00044	0.0022	mg/Kg
76-44-8	Heptachlor	0.00044	U	0.00016	0.00044	0.0022	mg/Kg
309-00-2	Aldrin	0.00044	U	0.00016	0.00044	0.0022	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
959-98-8	Endosulfan I	0.00044	U	0.00018	0.00044	0.0022	mg/Kg
60-57-1	Dieldrin	0.00044	U	0.00018	0.00044	0.0022	mg/Kg
72-55-9	4,4-DDE	0.0011	JP	0.00018	0.00044	0.0022	mg/Kg
72-20-8	Endrin	0.00044	U	0.00018	0.00044	0.0022	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00038	0.0011	0.0022	mg/Kg
72-54-8	4,4-DDD	0.00044	U	0.00020	0.00044	0.0022	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00044	U	0.00017	0.00044	0.0022	mg/Kg
50-29-3	4,4-DDT	0.00044	U	0.00018	0.00044	0.0022	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00049	0.0011	0.0022	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00049	0.0011	0.0022	mg/Kg
5103-71-9	alpha-Chlordane	0.00029	J	0.00016	0.00044	0.0022	mg/Kg
5103-74-2	gamma-Chlordane	0.00044	U	0.00020	0.00044	0.0022	mg/Kg
8001-35-2	Toxaphene	0.022	U	0.0071	0.022	0.044	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.7		55 - 130		68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.9		42 - 129		64%	SPK: 20

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	75.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089779.D	1	08/04/25 08:55	08/06/25 18:23	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089779.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:23
Operator : AR\AJ
Sample : Q2747-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.876	26577173	204.0E6	10.775	12.880m
28)	SA Decachlor...	9.064	8.064	44603398	274.9E6	12.002	13.692
	Target Compounds						
11)	B alpha-Chl...	6.023	5.182	2835962	10760657	0.675m	0.517m
12)	B 4,4'-DDE	6.190	5.369	5601315	55110107	1.502	2.607 #

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

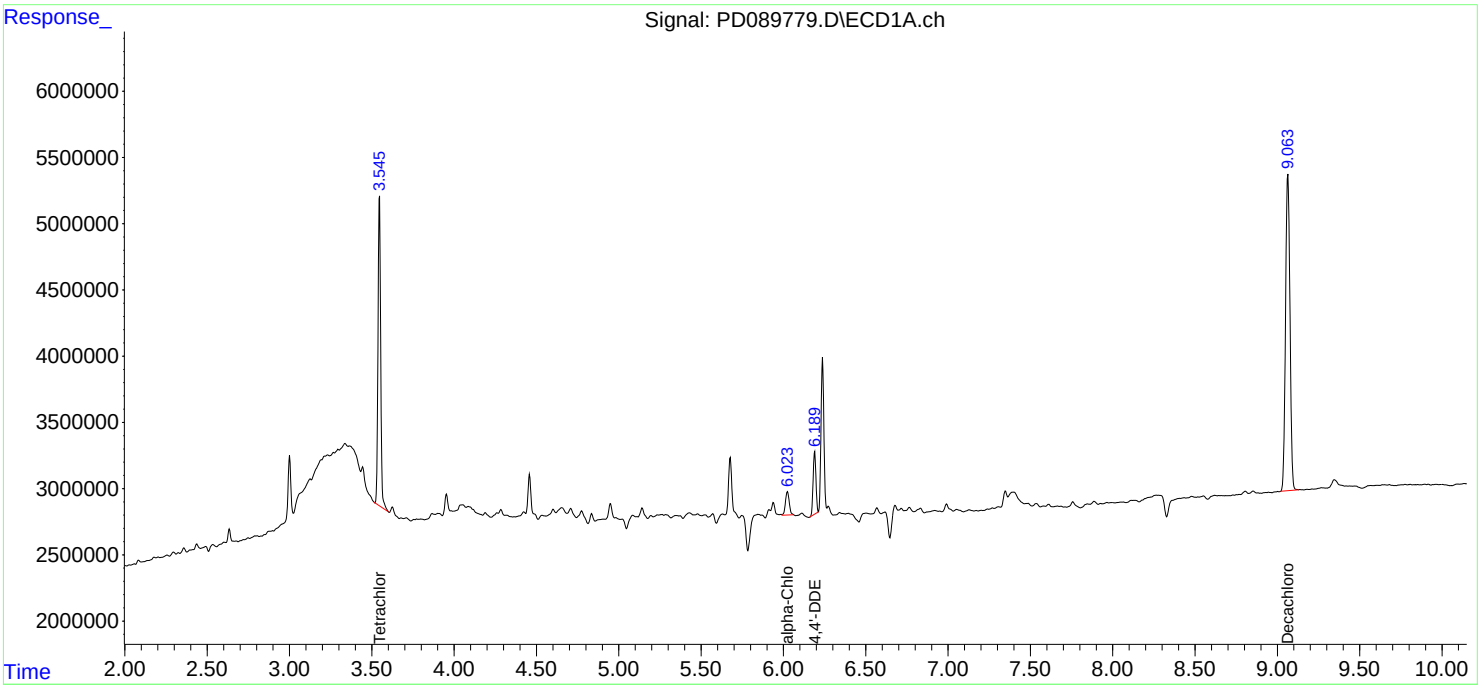
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089779.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:23
Operator : AR\AJ
Sample : Q2747-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

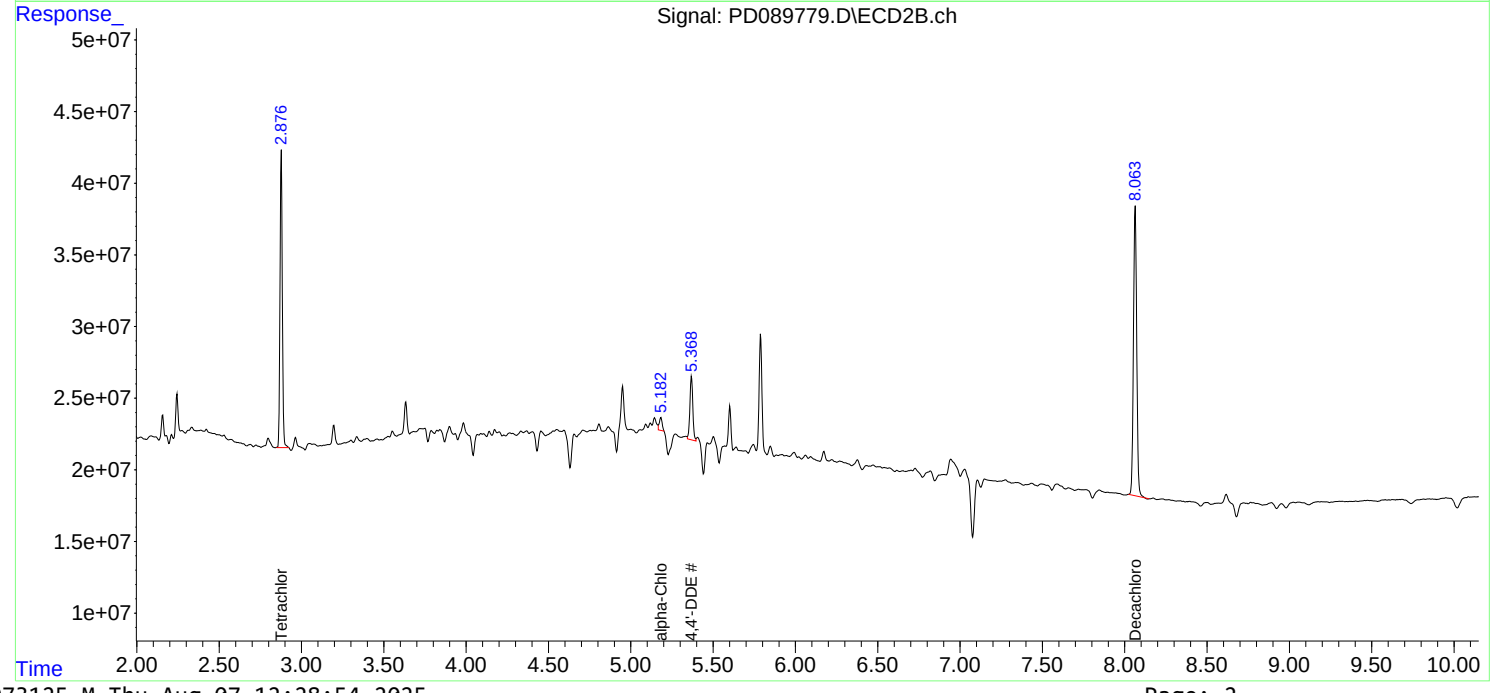
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

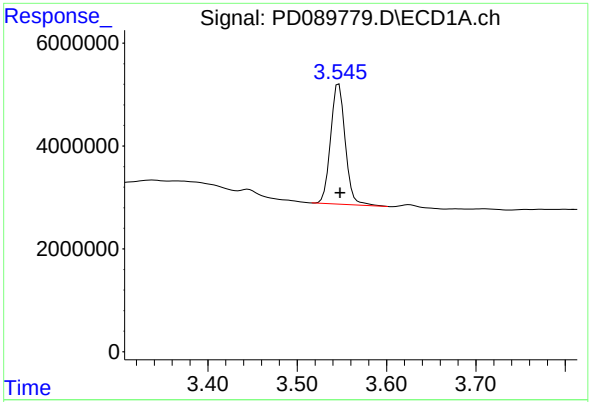
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







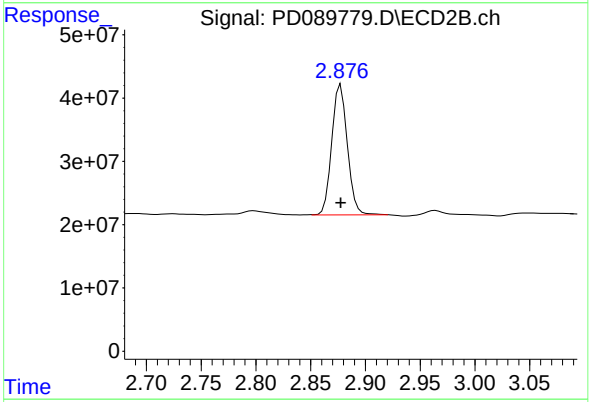
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 26577173
Conc: 10.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

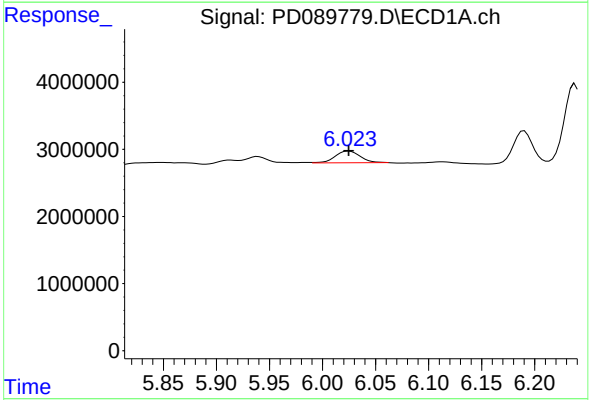
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



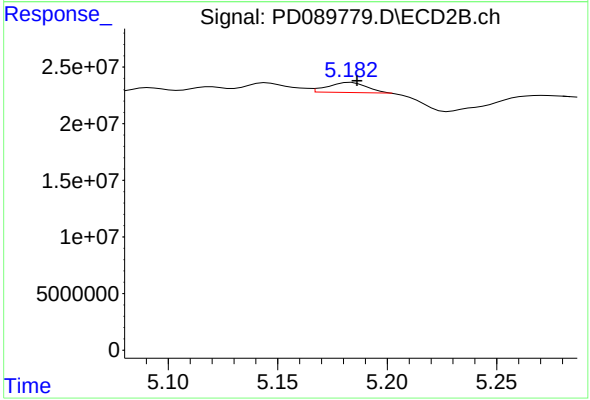
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.001 min
Response: 203990325
Conc: 12.88 ng/ml m



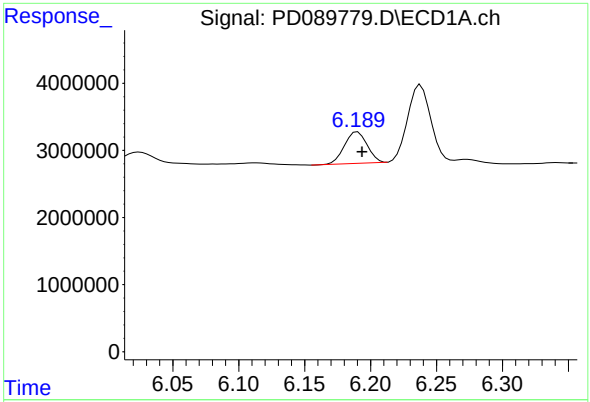
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.001 min
Response: 2835962
Conc: 0.67 ng/ml m



#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.004 min
Response: 10760657
Conc: 0.52 ng/ml m



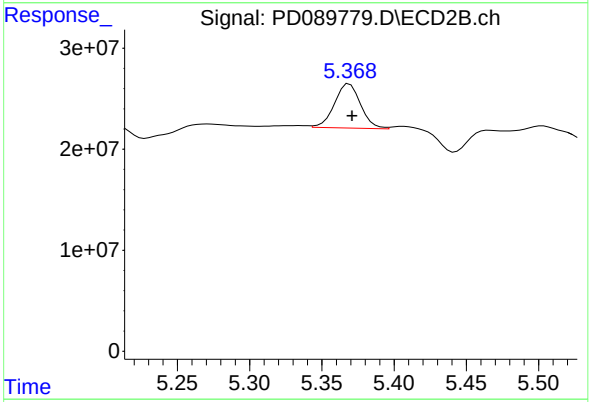
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 5601315
Conc: 1.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

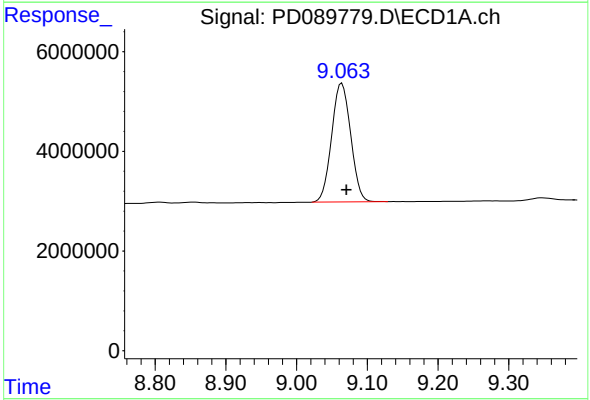
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



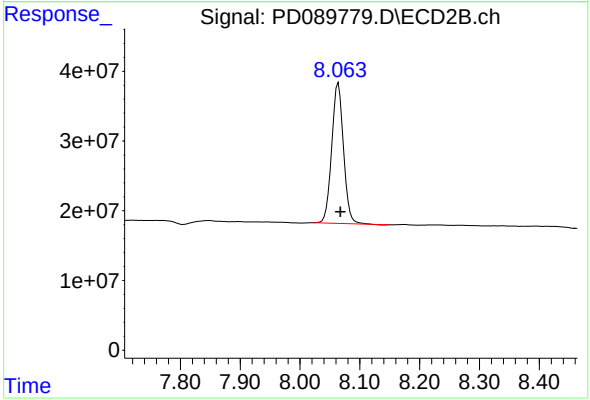
#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 55110107
Conc: 2.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.007 min
Response: 44603398
Conc: 12.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 274910880
Conc: 13.69 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	77.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089780.D	1	08/04/25 08:55	08/06/25 18:36	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00042	U	0.00017	0.00042	0.0022	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00023	0.0011	0.0022	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00050	0.0011	0.0022	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00042	U	0.00018	0.00042	0.0022	mg/Kg
76-44-8	Heptachlor	0.00042	U	0.00015	0.00042	0.0022	mg/Kg
309-00-2	Aldrin	0.00042	U	0.00015	0.00042	0.0022	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00024	0.0011	0.0022	mg/Kg
959-98-8	Endosulfan I	0.00042	U	0.00018	0.00042	0.0022	mg/Kg
60-57-1	Dieldrin	0.00042	U	0.00018	0.00042	0.0022	mg/Kg
72-55-9	4,4-DDE	0.0013	JP	0.00018	0.00042	0.0022	mg/Kg
72-20-8	Endrin	0.00042	U	0.00018	0.00042	0.0022	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00037	0.0011	0.0022	mg/Kg
72-54-8	4,4-DDD	0.00042	U	0.00019	0.00042	0.0022	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00042	U	0.00017	0.00042	0.0022	mg/Kg
50-29-3	4,4-DDT	0.00042	U	0.00018	0.00042	0.0022	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00024	0.0011	0.0022	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
5103-71-9	alpha-Chlordane	0.00042	J	0.00015	0.00042	0.0022	mg/Kg
5103-74-2	gamma-Chlordane	0.00025	J	0.00019	0.00042	0.0022	mg/Kg
8001-35-2	Toxaphene	0.022	U	0.0070	0.022	0.042	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.2		55 - 130		86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.9		42 - 129		75%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	77.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089780.D	1	08/04/25 08:55	08/06/25 18:36	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089780.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:36
Operator : AR\AJ
Sample : Q2747-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.877	29625458	236.4E6	12.011	14.924
28)	SA Decachlor...	9.064	8.063	58649630	345.6E6	15.782	17.211
	Target Compounds						
10)	B gamma-Chl...	5.939	5.119	2435013	9327195	0.583m	0.431m#
11)	B alpha-Chl...	6.023	5.183	4094950	15972670	0.974m	0.767m
12)	B 4,4'-DDE	6.191	5.369	7389142	66550997	1.981	3.149 #

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

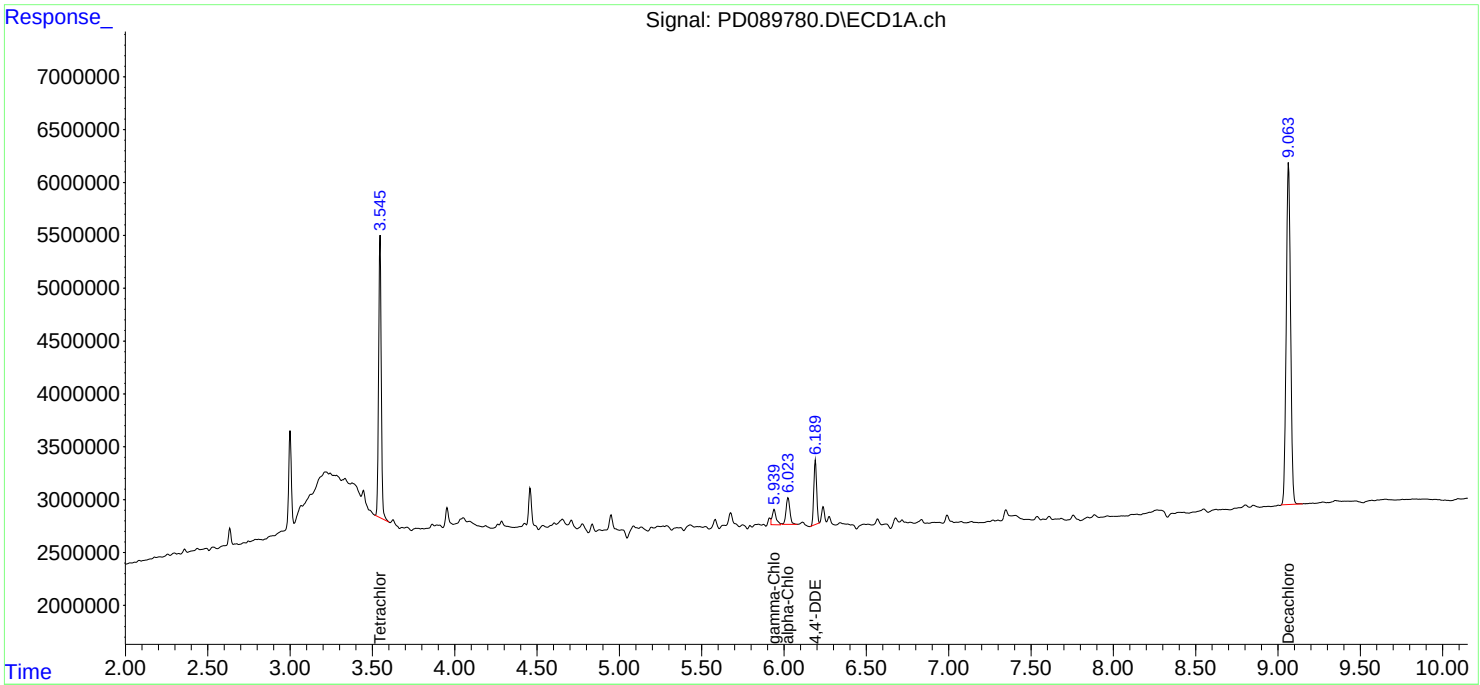
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089780.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:36
Operator : AR\AJ
Sample : Q2747-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

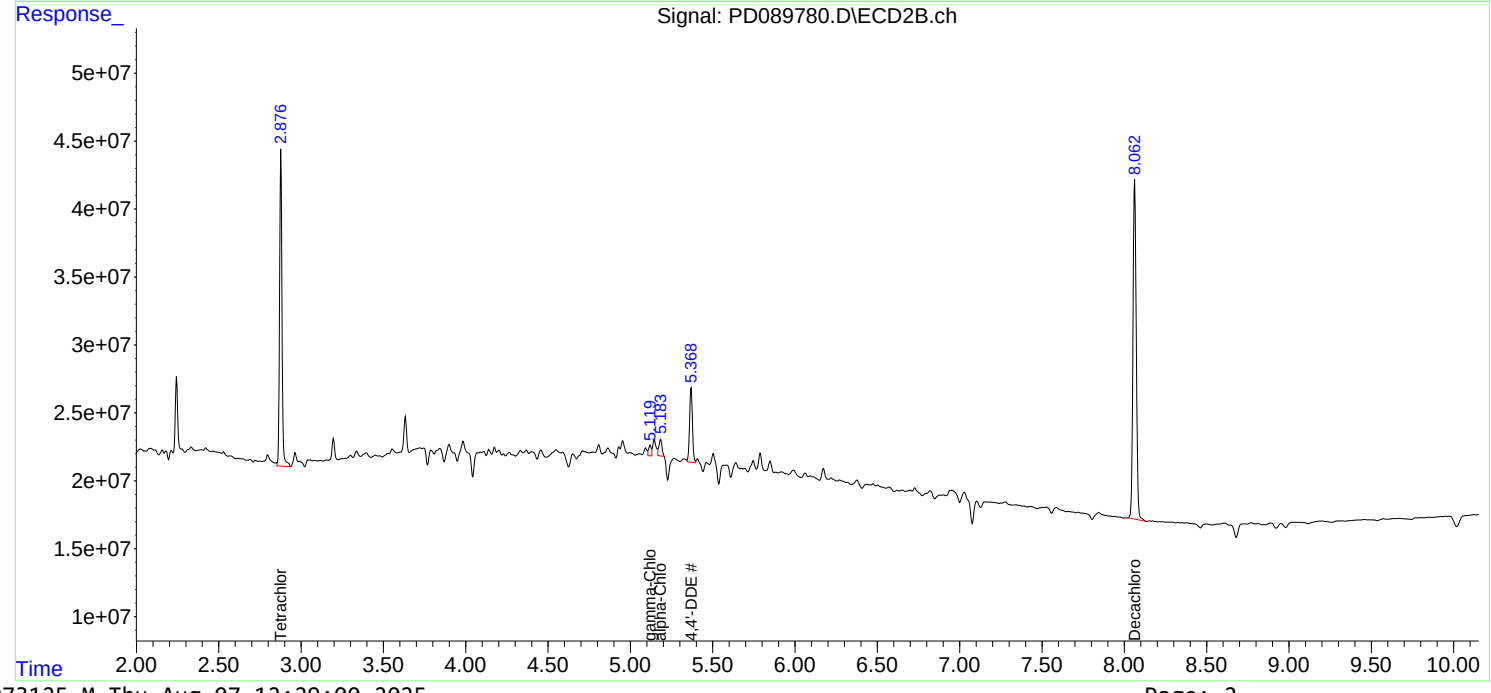
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

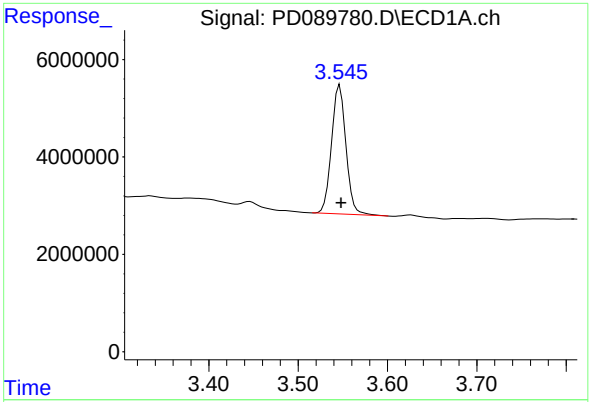
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







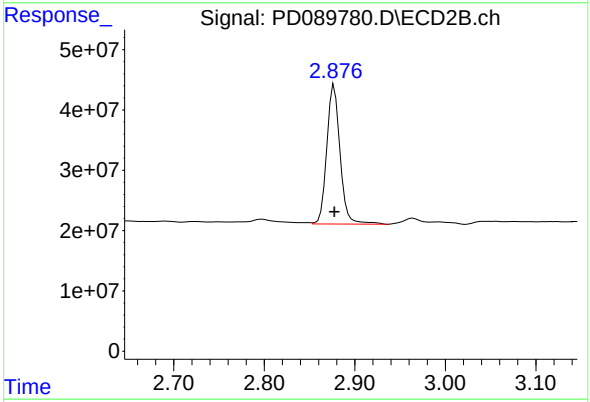
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 29625458
Conc: 12.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

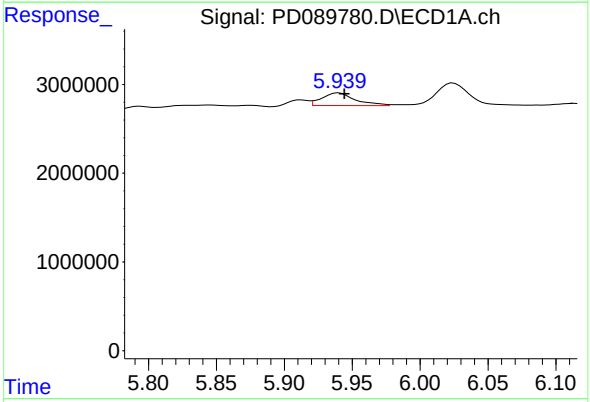
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



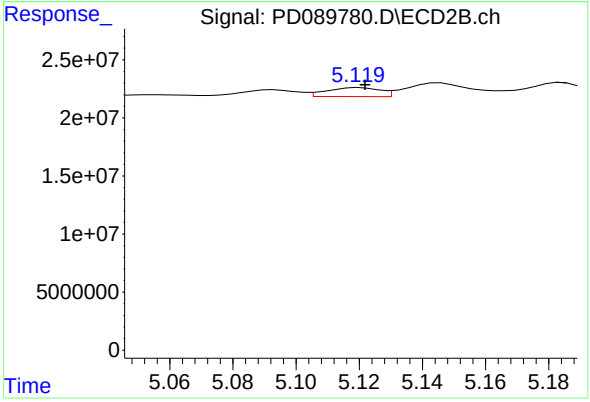
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 236368113
Conc: 14.92 ng/ml



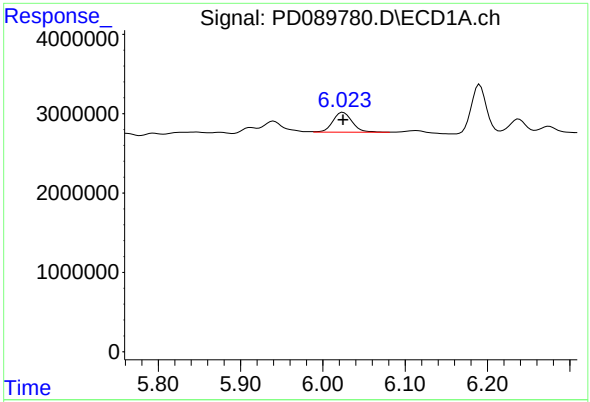
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 2435013
Conc: 0.58 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 9327195
Conc: 0.43 ng/ml m



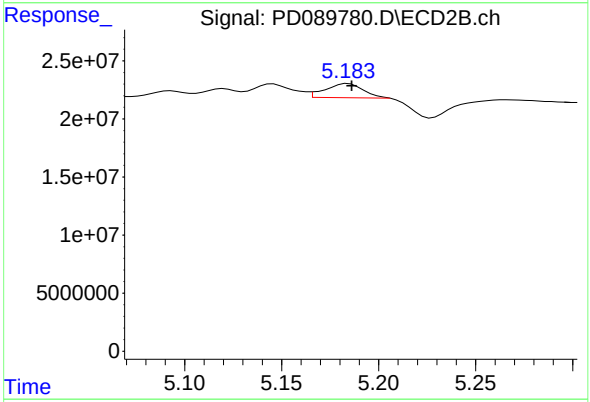
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 4094950
Conc: 0.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

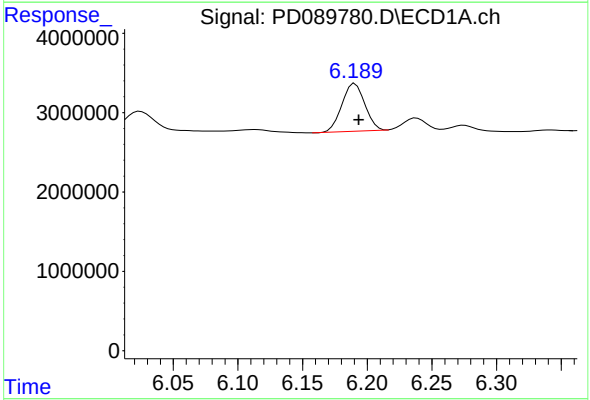
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



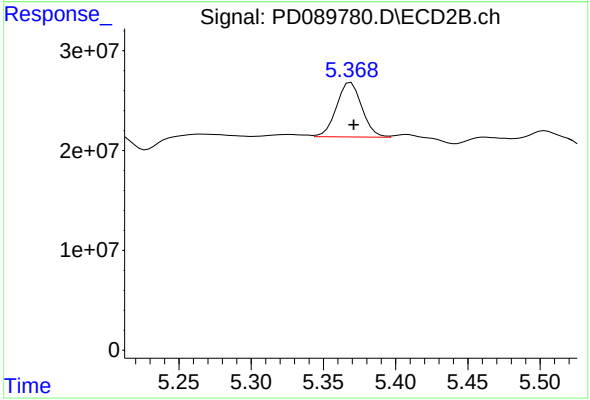
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.003 min
Response: 15972670
Conc: 0.77 ng/ml m



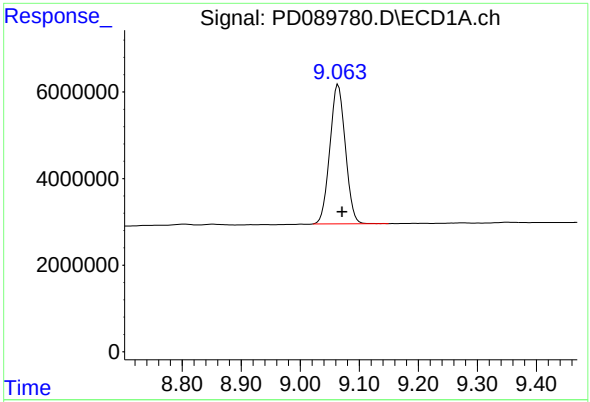
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 7389142
Conc: 1.98 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 66550997
Conc: 3.15 ng/ml



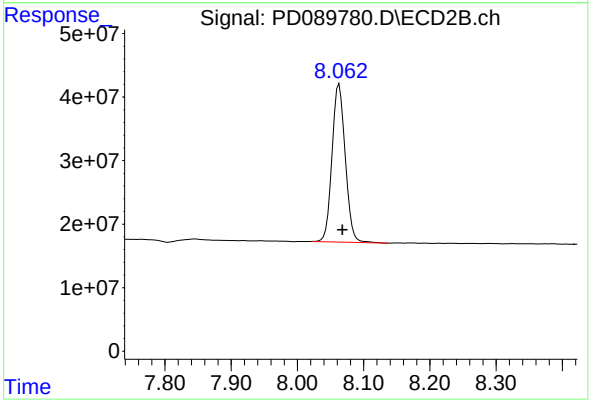
#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.006 min
Response: 58649630
Conc: 15.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.005 min
Response: 345563448
Conc: 17.21 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089781.D	1	08/04/25 08:55	08/06/25 18:50	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00041	U	0.00016	0.00041	0.0021	mg/Kg
319-85-7	beta-BHC	0.0010	U	0.00022	0.0010	0.0021	mg/Kg
319-86-8	delta-BHC	0.0010	U	0.00048	0.0010	0.0021	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
76-44-8	Heptachlor	0.00041	U	0.00015	0.00041	0.0021	mg/Kg
309-00-2	Aldrin	0.00041	U	0.00015	0.00041	0.0021	mg/Kg
1024-57-3	Heptachlor epoxide	0.0010	U	0.00024	0.0010	0.0021	mg/Kg
959-98-8	Endosulfan I	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
60-57-1	Dieldrin	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
72-55-9	4,4-DDE	0.0013	JP	0.00017	0.00041	0.0021	mg/Kg
72-20-8	Endrin	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
33213-65-9	Endosulfan II	0.0010	U	0.00036	0.0010	0.0021	mg/Kg
72-54-8	4,4-DDD	0.00041	U	0.00019	0.00041	0.0021	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00041	U	0.00016	0.00041	0.0021	mg/Kg
50-29-3	4,4-DDT	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
72-43-5	Methoxychlor	0.0010	U	0.00046	0.0010	0.0021	mg/Kg
53494-70-5	Endrin ketone	0.0010	U	0.00024	0.0010	0.0021	mg/Kg
7421-93-4	Endrin aldehyde	0.0010	U	0.00046	0.0010	0.0021	mg/Kg
5103-71-9	alpha-Chlordane	0.00034	J	0.00015	0.00041	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.00041	U	0.00019	0.00041	0.0021	mg/Kg
8001-35-2	Toxaphene	0.021	U	0.0067	0.021	0.041	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	12.7		55 - 130		63%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.5		42 - 129		77%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089781.D	1	08/04/25 08:55	08/06/25 18:50	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089781.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:50
Operator : AR\AJ
Sample : Q2747-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.876	32069109	244.9E6	13.001	15.462m
28)	SA Decachlor...	9.064	8.064	42905294	254.0E6	11.545	12.653
	Target Compounds						
10)	B gamma-Chl...	5.938	5.118	1661544	5936979	0.398m	0.274m#
11)	B alpha-Chl...	6.023	5.184	3459750	13245357	0.823m	0.636m
12)	B 4,4'-DDE	6.191	5.369	7214607	65284519	1.934	3.089 #

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

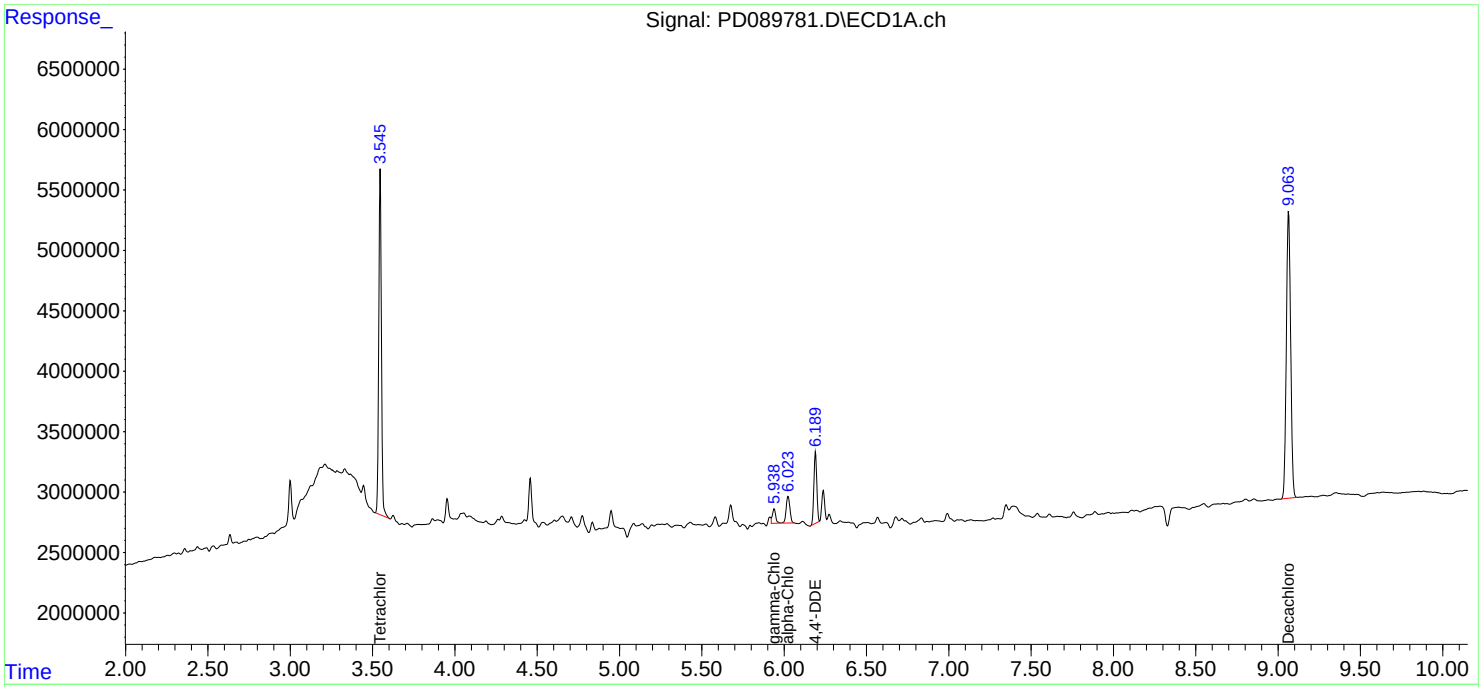
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089781.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:50
Operator : AR\AJ
Sample : Q2747-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

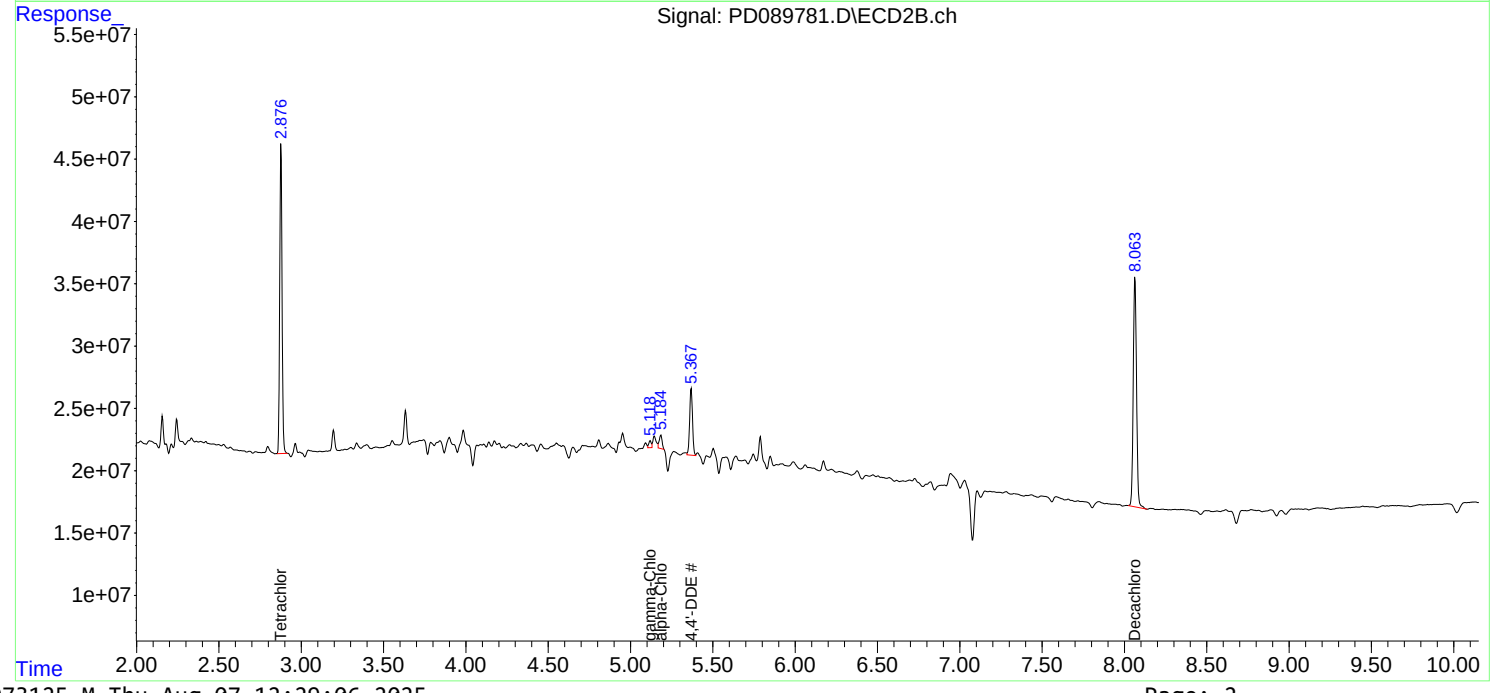
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

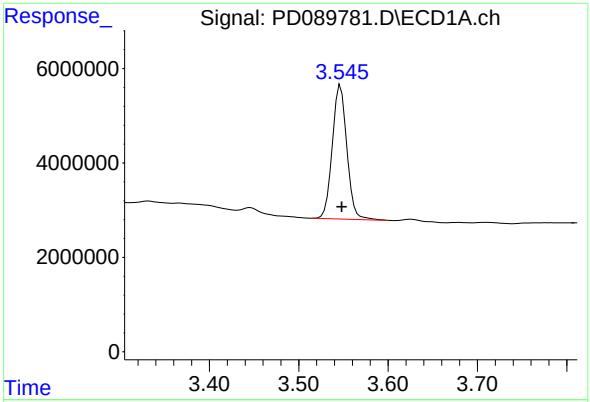
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







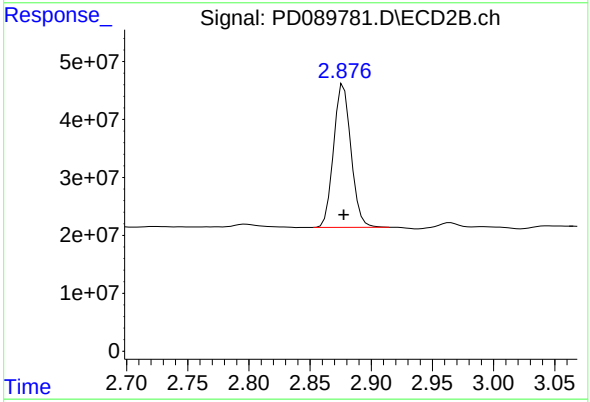
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 32069109
Conc: 13.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

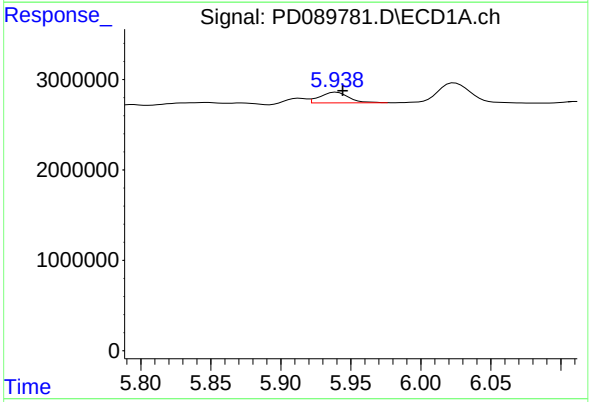
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



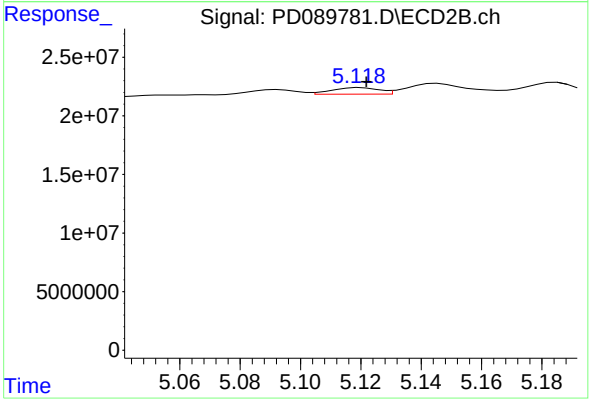
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 244880623
Conc: 15.46 ng/ml m



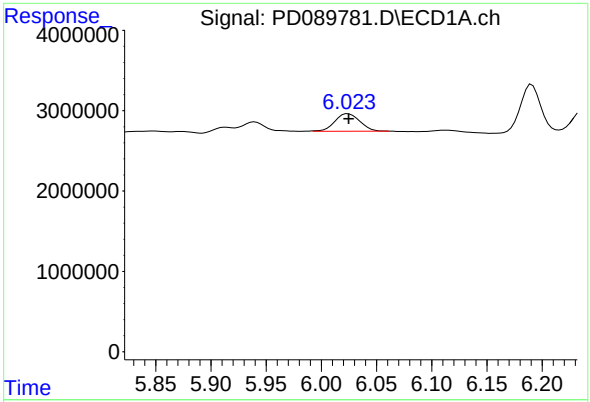
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.006 min
Response: 1661544
Conc: 0.40 ng/ml m



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.003 min
Response: 5936979
Conc: 0.27 ng/ml m



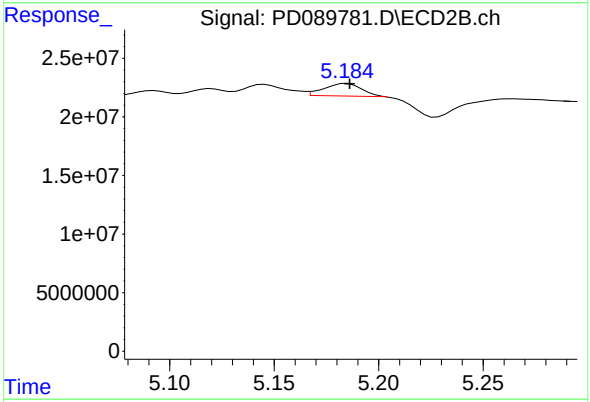
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 3459750
Conc: 0.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

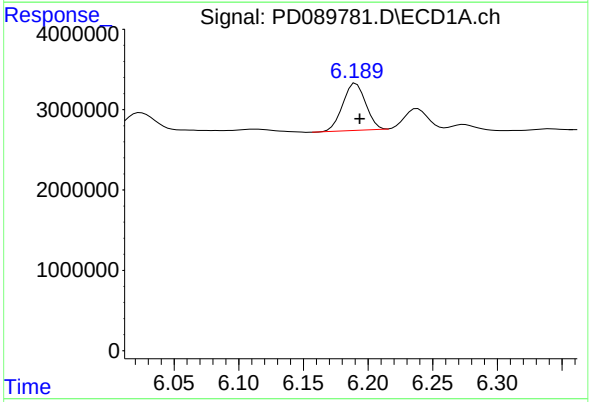
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



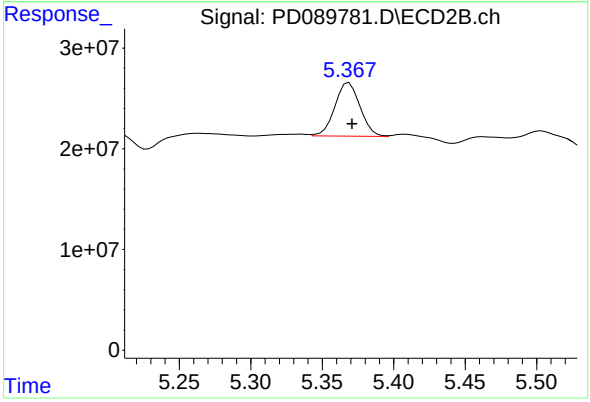
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.003 min
Response: 13245357
Conc: 0.64 ng/ml m



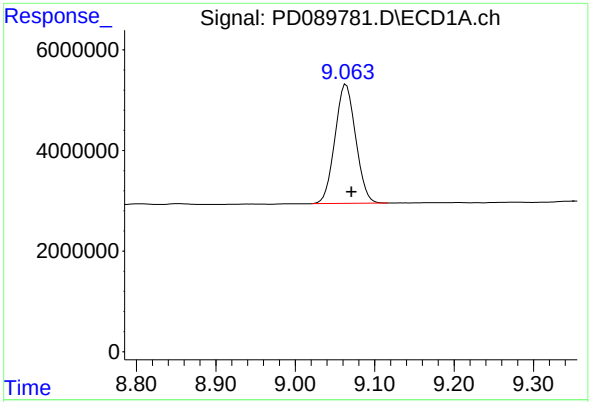
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 7214607
Conc: 1.93 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 65284519
Conc: 3.09 ng/ml



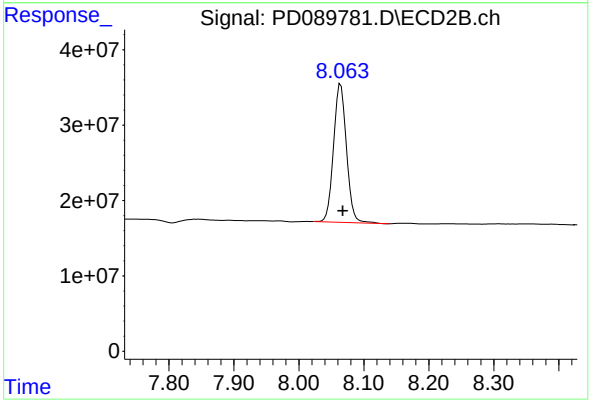
#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.007 min
Response: 42905294
Conc: 11.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 254048608
Conc: 12.65 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	66.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089782.D	1	08/04/25 08:55	08/06/25 19:04	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00050	U	0.00020	0.00050	0.0026	mg/Kg
319-85-7	beta-BHC	0.0012	U	0.00027	0.0012	0.0026	mg/Kg
319-86-8	delta-BHC	0.0012	U	0.00059	0.0012	0.0026	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00021	0.00050	0.0026	mg/Kg
76-44-8	Heptachlor	0.00050	U	0.00018	0.00050	0.0026	mg/Kg
309-00-2	Aldrin	0.00050	U	0.00018	0.00050	0.0026	mg/Kg
1024-57-3	Heptachlor epoxide	0.0012	U	0.00029	0.0012	0.0026	mg/Kg
959-98-8	Endosulfan I	0.00050	U	0.00021	0.00050	0.0026	mg/Kg
60-57-1	Dieldrin	0.00050	U	0.00021	0.00050	0.0026	mg/Kg
72-55-9	4,4-DDE	0.0048		0.00021	0.00050	0.0026	mg/Kg
72-20-8	Endrin	0.00050	U	0.00021	0.00050	0.0026	mg/Kg
33213-65-9	Endosulfan II	0.0012	U	0.00044	0.0012	0.0026	mg/Kg
72-54-8	4,4-DDD	0.00050	U	0.00023	0.00050	0.0026	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00050	U	0.00020	0.00050	0.0026	mg/Kg
50-29-3	4,4-DDT	0.014		0.00021	0.00050	0.0026	mg/Kg
72-43-5	Methoxychlor	0.0012	U	0.00056	0.0012	0.0026	mg/Kg
53494-70-5	Endrin ketone	0.0012	U	0.00029	0.0012	0.0026	mg/Kg
7421-93-4	Endrin aldehyde	0.0012	U	0.00056	0.0012	0.0026	mg/Kg
5103-71-9	alpha-Chlordane	0.0041		0.00018	0.00050	0.0026	mg/Kg
5103-74-2	gamma-Chlordane	0.0018	J	0.00023	0.00050	0.0026	mg/Kg
8001-35-2	Toxaphene	0.026	U	0.0081	0.026	0.050	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	14.9		55 - 130		75%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.0		42 - 129		55%	SPK: 20

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	66.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089782.D	1	08/04/25 08:55	08/06/25 19:04	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:04
Operator : AR\AJ
Sample : Q2747-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	22635025	174.9E6	9.177	11.040
28)	SA Decachlor...	9.064	8.064	49495742	299.7E6	13.319	14.925
	Target Compounds						
10)	B gamma-Chl...	5.939	5.120	14763191	69562844	3.533m	3.213
11)	B alpha-Chl...	6.025	5.185	34584174	167.6E6	8.226	8.049
12)	B 4,4'-DDE	6.191	5.369	25658705	201.3E6	6.879	9.524 #
17)	MA 4,4'-DDT	7.015	6.177	71570600	515.8E6	21.299	28.076 #

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

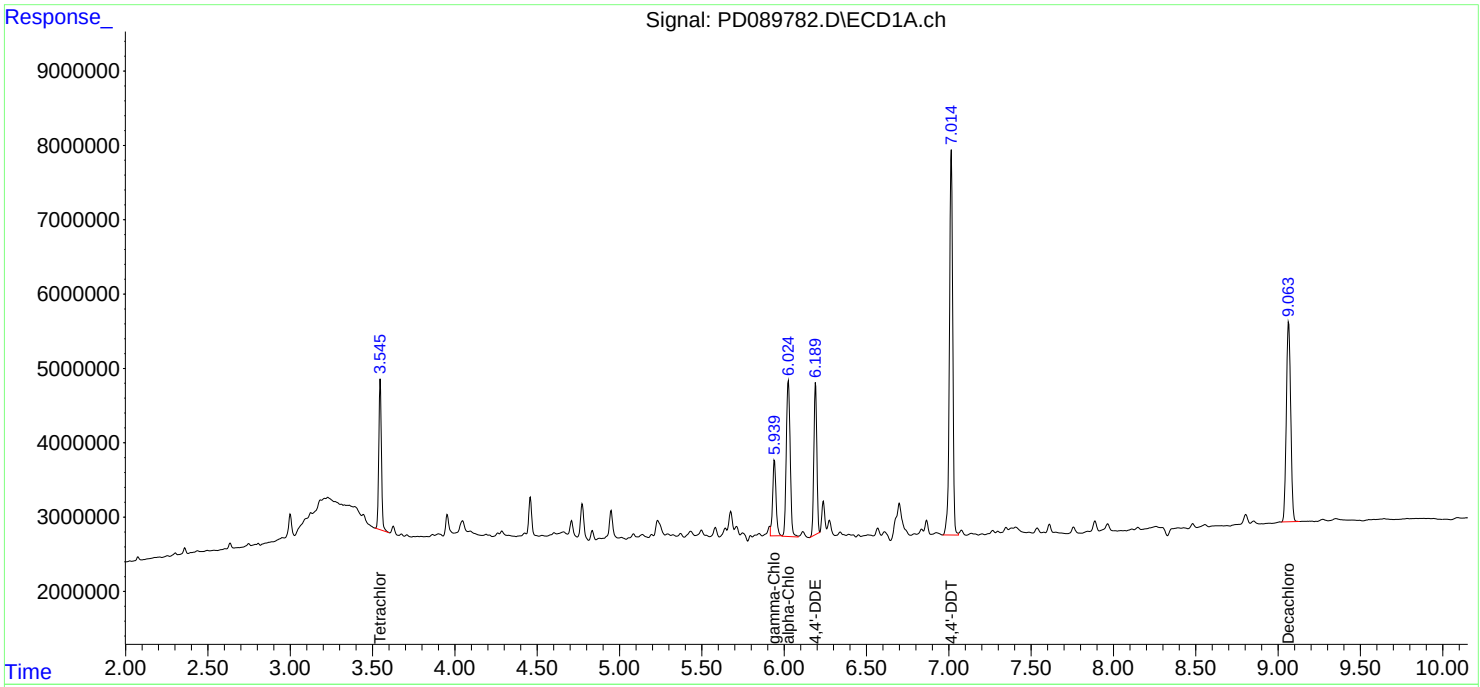
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:04
Operator : AR\AJ
Sample : Q2747-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

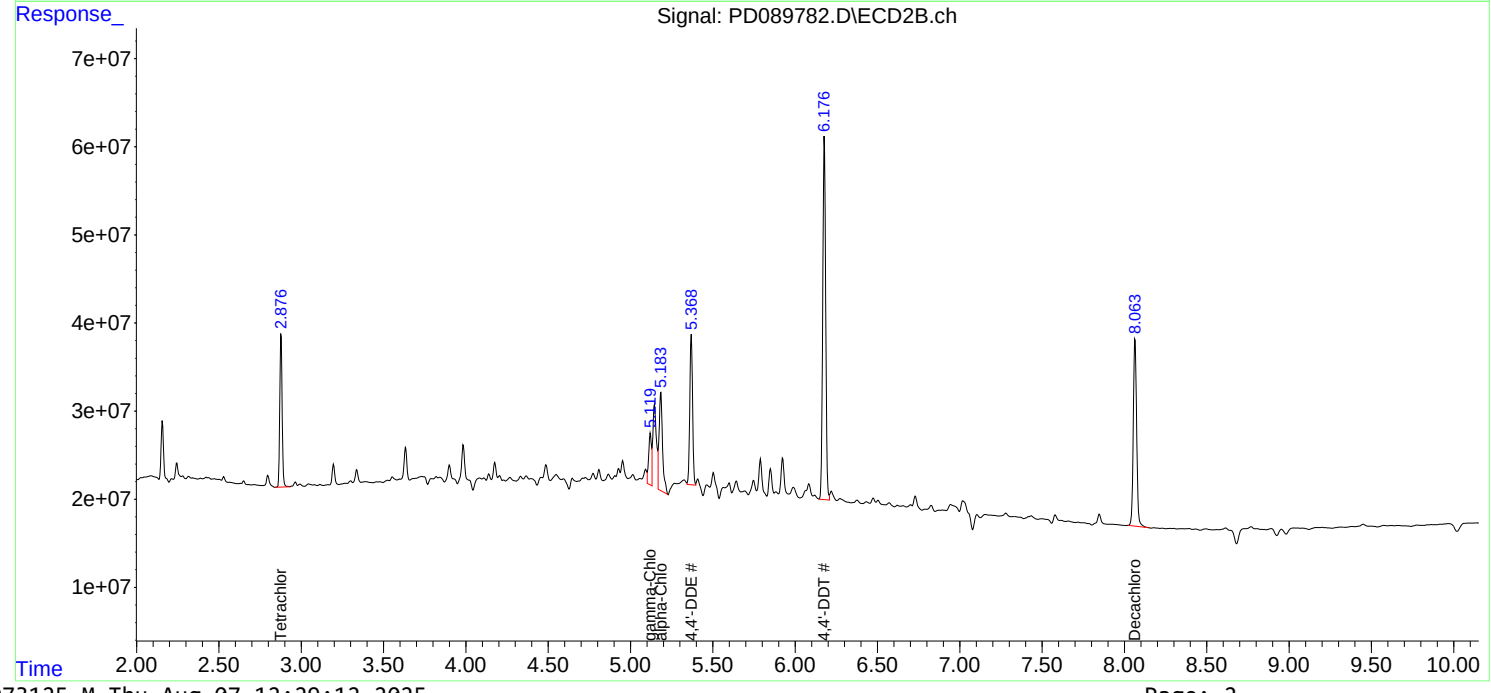
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

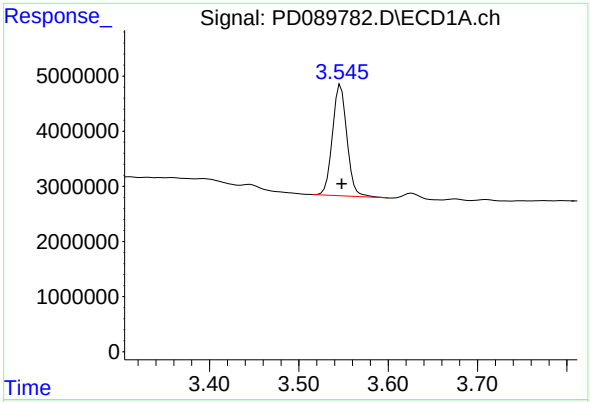
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







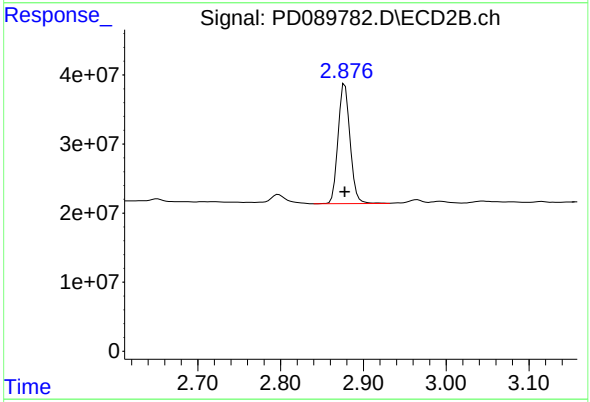
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 22635025
Conc: 9.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

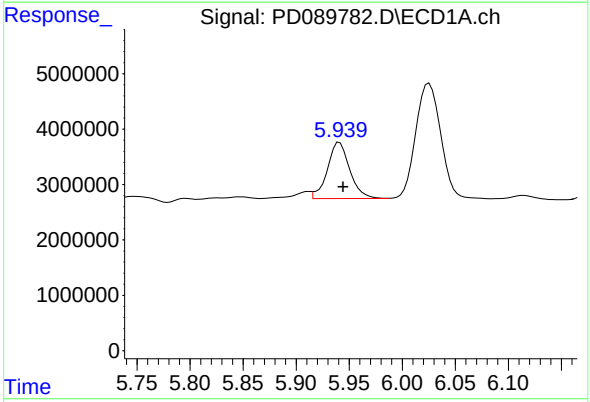
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



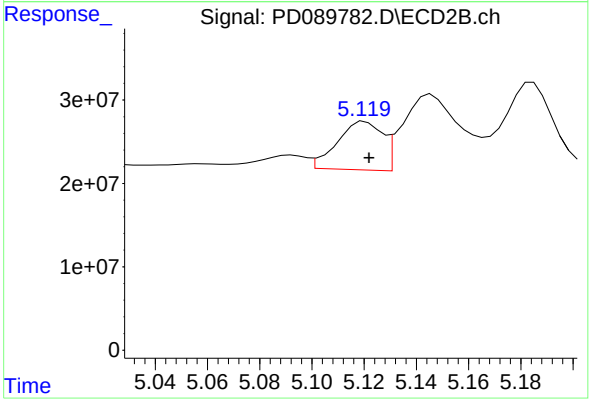
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 174856390
Conc: 11.04 ng/ml



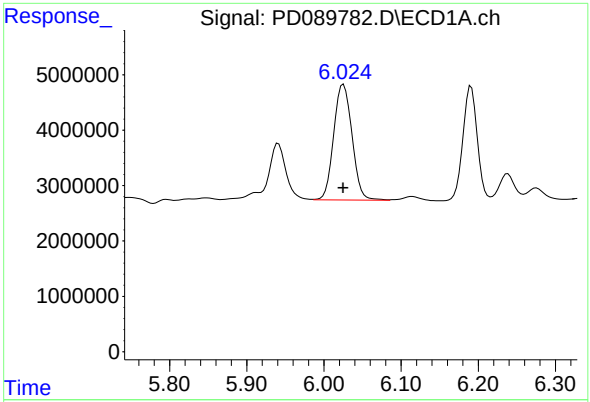
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 14763191
Conc: 3.53 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.001 min
Response: 69562844
Conc: 3.21 ng/ml



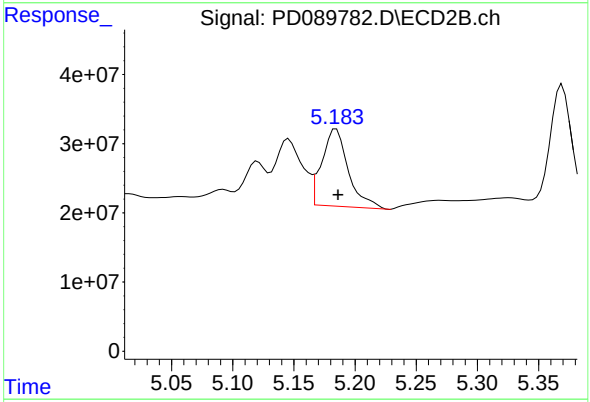
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 34584174
Conc: 8.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

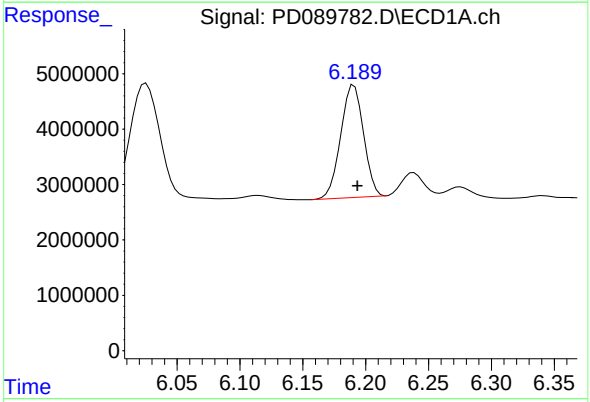
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



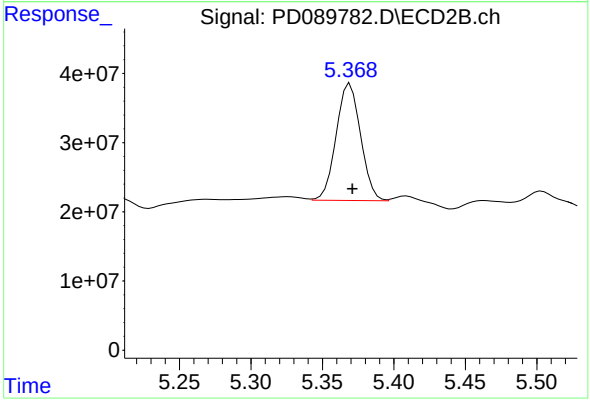
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.002 min
Response: 167589364
Conc: 8.05 ng/ml



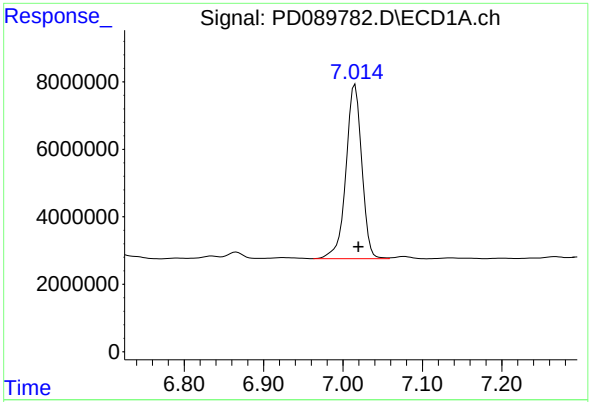
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 25658705
Conc: 6.88 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 201320220
Conc: 9.52 ng/ml



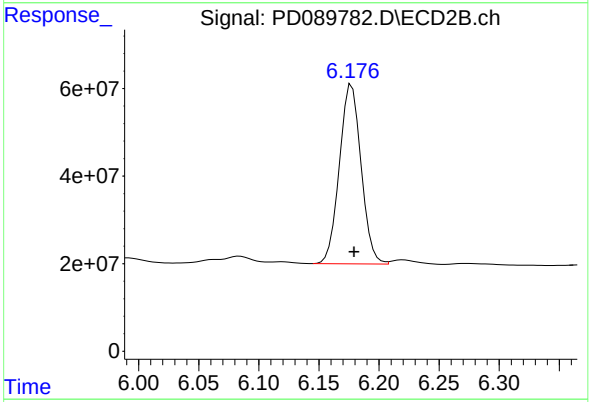
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 71570600
Conc: 21.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

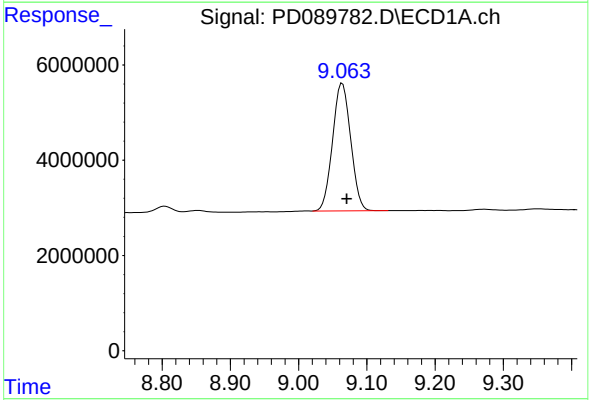
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



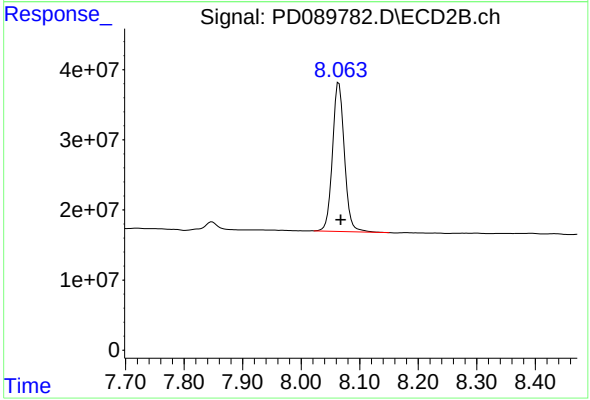
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 515823755
Conc: 28.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.007 min
Response: 49495742
Conc: 13.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.003 min
Response: 299658885
Conc: 14.92 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	63.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089791.D	1	08/04/25 08:55	08/07/25 11:17	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00052	U	0.00020	0.00052	0.0027	mg/Kg
319-85-7	beta-BHC	0.0013	U	0.00028	0.0013	0.0027	mg/Kg
319-86-8	delta-BHC	0.0013	U	0.00061	0.0013	0.0027	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00052	U	0.00022	0.00052	0.0027	mg/Kg
76-44-8	Heptachlor	0.00052	U	0.00019	0.00052	0.0027	mg/Kg
309-00-2	Aldrin	0.00052	U	0.00019	0.00052	0.0027	mg/Kg
1024-57-3	Heptachlor epoxide	0.0013	U	0.00030	0.0013	0.0027	mg/Kg
959-98-8	Endosulfan I	0.00052	U	0.00022	0.00052	0.0027	mg/Kg
60-57-1	Dieldrin	0.00052	U	0.00022	0.00052	0.0027	mg/Kg
72-55-9	4,4-DDE	0.0044		0.00022	0.00052	0.0027	mg/Kg
72-20-8	Endrin	0.00052	U	0.00022	0.00052	0.0027	mg/Kg
33213-65-9	Endosulfan II	0.0013	U	0.00045	0.0013	0.0027	mg/Kg
72-54-8	4,4-DDD	0.00052	U	0.00024	0.00052	0.0027	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00052	U	0.00020	0.00052	0.0027	mg/Kg
50-29-3	4,4-DDT	0.0013	JP	0.00022	0.00052	0.0027	mg/Kg
72-43-5	Methoxychlor	0.0013	U	0.00058	0.0013	0.0027	mg/Kg
53494-70-5	Endrin ketone	0.0013	U	0.00030	0.0013	0.0027	mg/Kg
7421-93-4	Endrin aldehyde	0.0013	U	0.00058	0.0013	0.0027	mg/Kg
5103-71-9	alpha-Chlordane	0.0034		0.00019	0.00052	0.0027	mg/Kg
5103-74-2	gamma-Chlordane	0.0015	JP	0.00024	0.00052	0.0027	mg/Kg
8001-35-2	Toxaphene	0.027	U	0.0085	0.027	0.052	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	12.3		55 - 130		61%	SPK: 20
877-09-8	Tetrachloro-m-xylene	9.85		42 - 129		49%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	63.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089791.D	1	08/04/25 08:55	08/07/25 11:17	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:17
Operator : AR\AJ
Sample : Q2747-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.876	20466624	156.0E6	8.298	9.852m
28)	SA Decachlor...	9.066	8.065	38997525	245.9E6	10.494	12.249
	Target Compounds						
10)	B gamma-Chl...	5.940	5.119	11919123	39770071	2.852m	1.837m#
11)	B alpha-Chl...	6.026	5.183	27531926	108.3E6	6.549	5.200m
12)	B 4,4'-DDE	6.191	5.368	21309279	177.5E6	5.713	8.398m#
17)	MA 4,4'-DDT	7.015	6.174	2295248	46548241	0.683	2.534 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:17
Operator : AR\AJ
Sample : Q2747-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

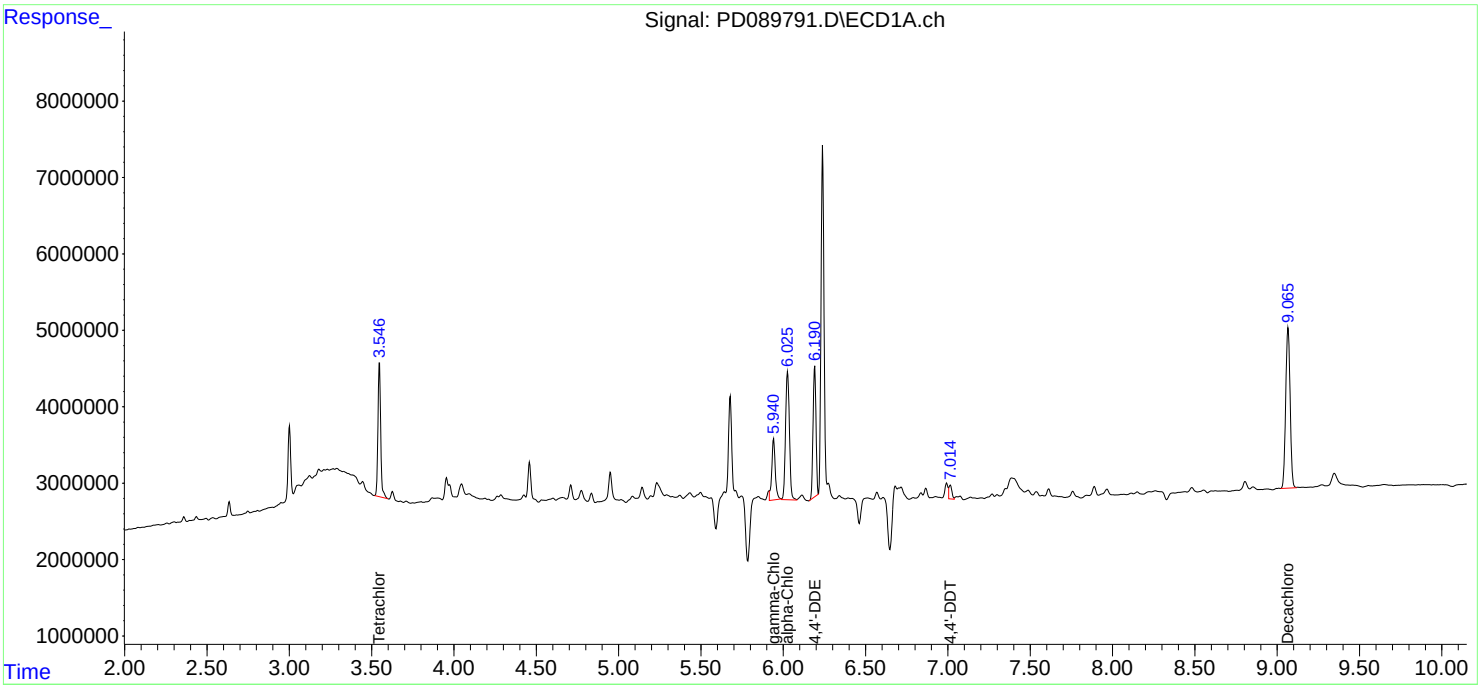
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

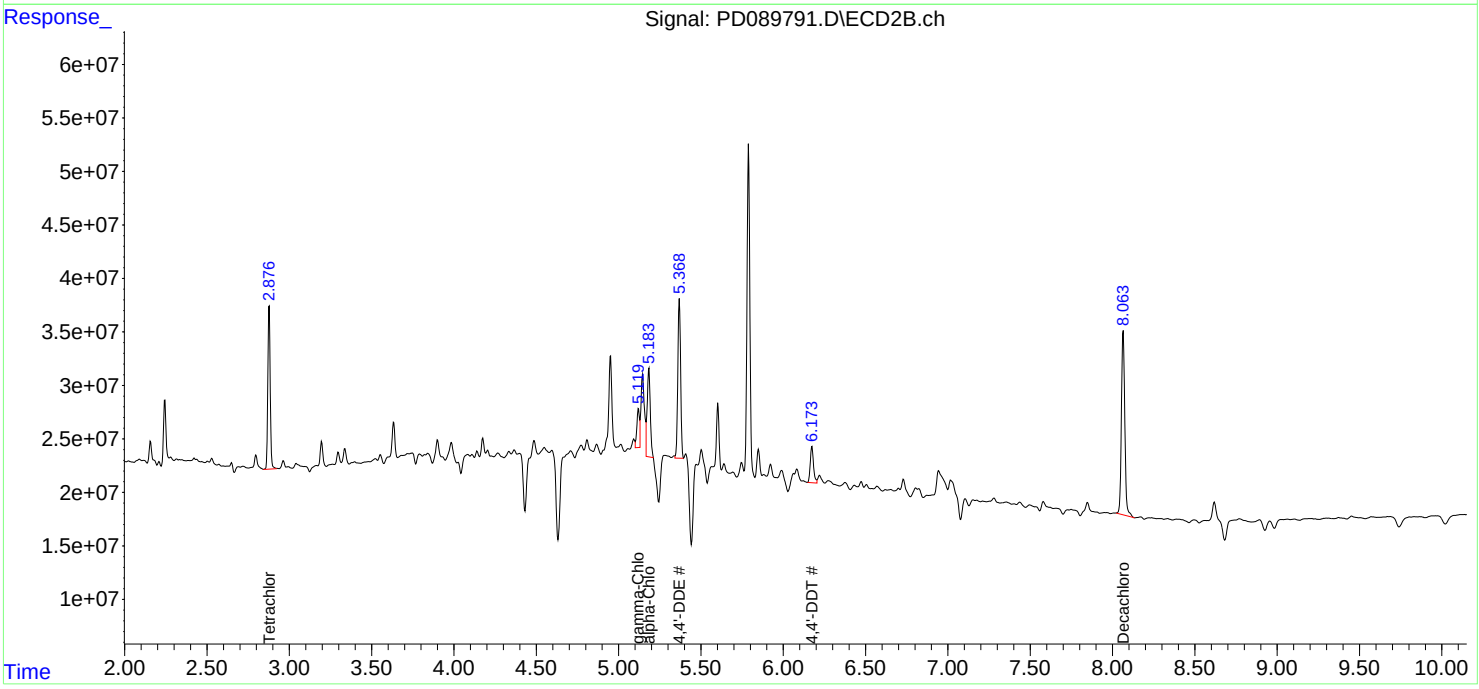
Manual Integrations APPROVED

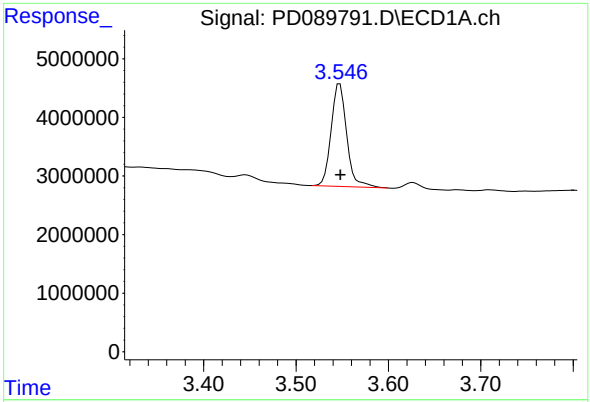
Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







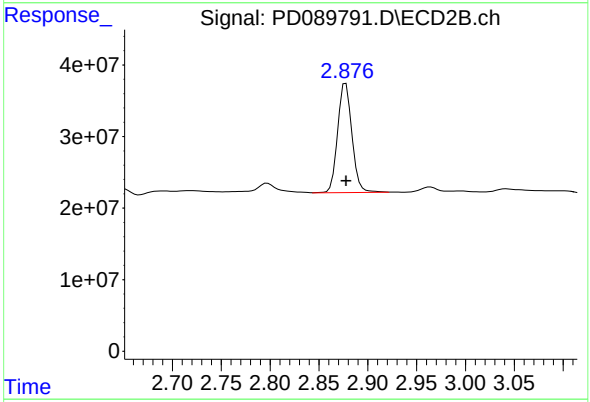
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 20466624
Conc: 8.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

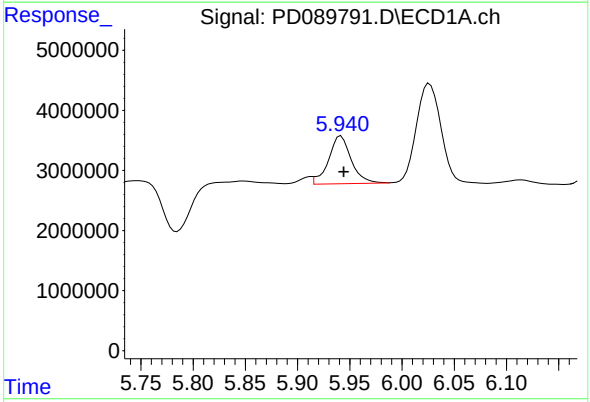
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



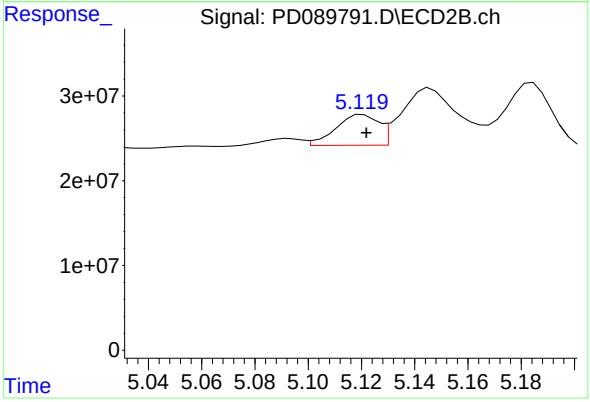
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.001 min
Response: 156033695
Conc: 9.85 ng/ml m



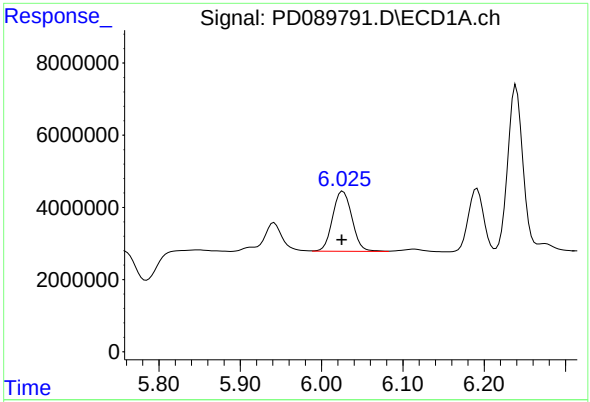
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 11919123
Conc: 2.85 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 39770071
Conc: 1.84 ng/ml m



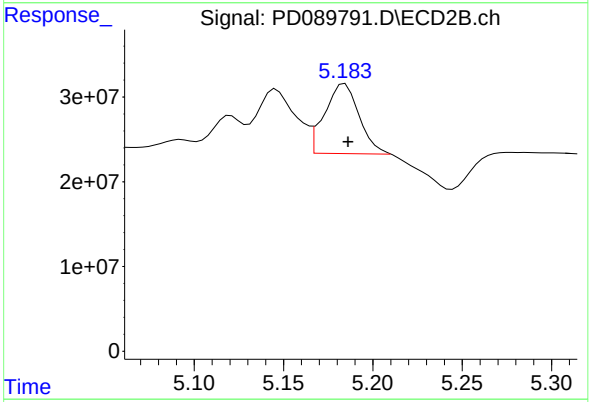
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 27531926
Conc: 6.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

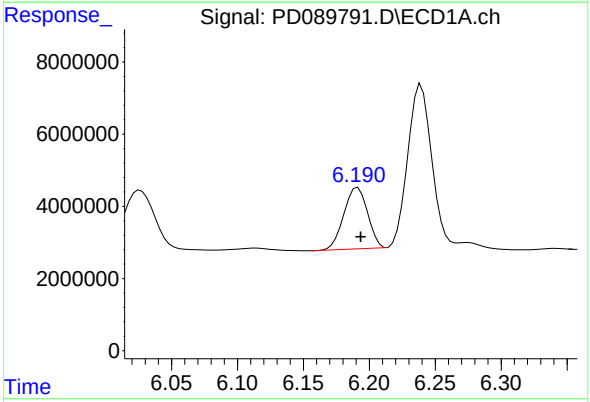
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



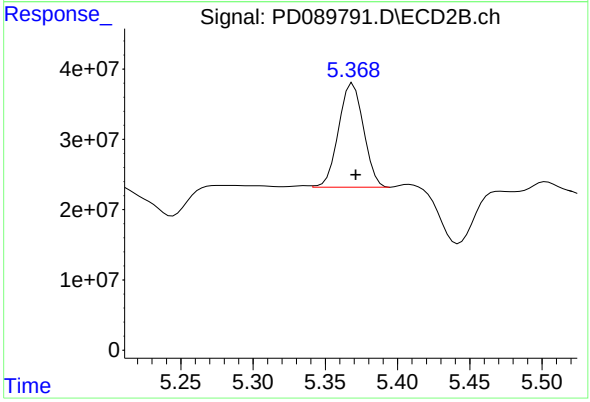
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.003 min
Response: 108277572
Conc: 5.20 ng/ml m



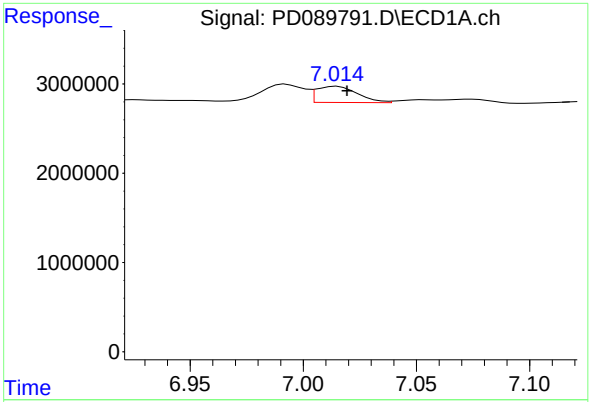
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 21309279
Conc: 5.71 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: -0.003 min
Response: 177513644
Conc: 8.40 ng/ml m



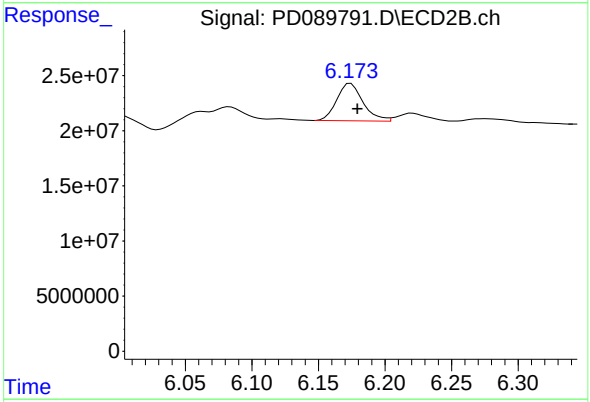
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 2295248
Conc: 0.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

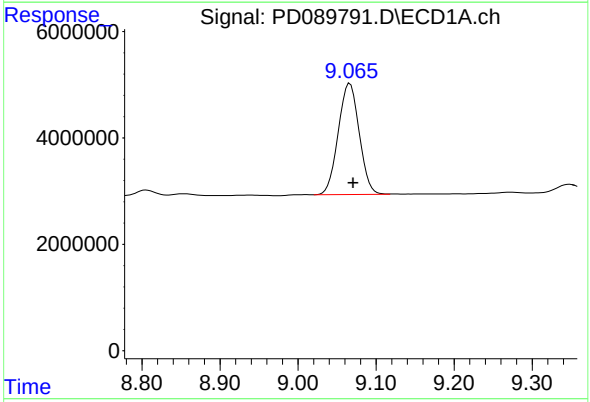
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



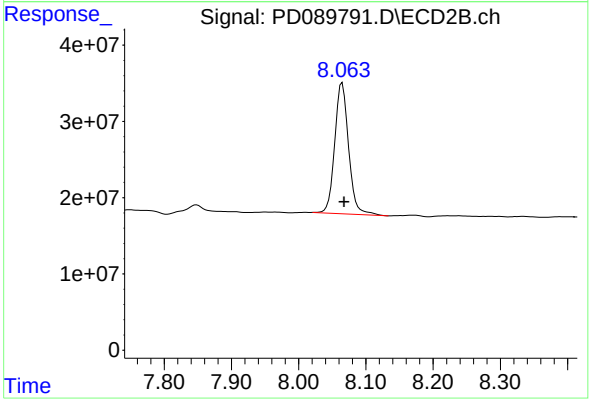
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 46548241
Conc: 2.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.004 min
Response: 38997525
Conc: 10.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 245941226
Conc: 12.25 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID: RT 100 = PD089688.D RT 075 = PD089689.D
RT 050 = PD089690.D RT 025 = PD089691.D RT 005 = PD089692.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.52	4.51	4.51	4.52	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.34	6.35	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	6.79	6.79	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID: RT 100 = PD089688.D RT 075 = PD089689.D
RT 050 = PD089690.D RT 025 = PD089691.D RT 005 = PD089692.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID: CF 100 = PD089688.D CF 075 = PD089689.D
CF 050 = PD089690.D CF 025 = PD089691.D CF 005 = PD089692.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3170910000	3047700000	2999940000	2847680000	2907880000	2994820000	4
4,4'-DDE	4003810000	3817790000	3749630000	3527790000	3549710000	3729750000	5
4,4'-DDT	3548070000	3416270000	3370890000	3205660000	3260320000	3360240000	4
Aldrin	4875360000	4656550000	4601860000	4327300000	4363460000	4564910000	5
alpha-BHC	5474360000	5189440000	5067890000	4637560000	4398360000	4953520000	9
alpha-Chlordane	4334230000	4190130000	4177460000	4048840000	4270160000	4204170000	3
beta-BHC	1835380000	1791880000	1823800000	1806620000	1965690000	1844680000	4
Decachlorobiphenyl	3483240000	3499950000	3619460000	3726220000	4252410000	3716260000	8
delta-BHC	5033280000	4775690000	4676790000	4294740000	4150530000	4586210000	8
Dieldrin	4482180000	4304270000	4237810000	4013690000	4079190000	4223430000	4
Endosulfan I	4087920000	3943210000	3940200000	3816940000	4029810000	3963620000	3
Endosulfan II	3707220000	3614470000	3602460000	3542670000	3880100000	3669380000	4
Endosulfan sulfate	3520460000	3426970000	3432480000	3357090000	3613300000	3470060000	3
Endrin	3787000000	3635450000	3585320000	3393750000	3487070000	3577720000	4
Endrin aldehyde	2531030000	2443470000	2469250000	2435500000	2598600000	2495570000	3
Endrin ketone	3804270000	3699670000	3700720000	3603310000	3762780000	3714150000	2
gamma-BHC (Lindane)	5133650000	4854210000	4821480000	4482000000	4470410000	4752350000	6
gamma-Chlordane	4371930000	4219760000	4166830000	3997030000	4139860000	4179080000	3
Heptachlor	5124730000	4899870000	4838360000	4560780000	4633880000	4811520000	5
Heptachlor epoxide	4345440000	4178710000	4148850000	3977860000	4252730000	4180720000	3
Methoxychlor	1771080000	1750920000	1777320000	1770160000	1870390000	1787970000	3
Tetrachloro-m-xylene	2500060000	2427080000	2456600000	2403480000	2545710000	2466590000	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID: CF 100 = PD089688.D CF 075 = PD089689.D
CF 050 = PD089690.D CF 025 = PD089691.D CF 005 = PD089692.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17134400000	16787300000	17354900000	17662200000	19224300000	17632600000	5
4,4'-DDE	20430900000	20064600000	20732800000	21183800000	23273600000	21137100000	6
4,4'-DDT	18425400000	17982900000	18452700000	18412200000	18590200000	18372700000	1
Aldrin	21657100000	21218800000	21871300000	22261000000	24245900000	22250800000	5
alpha-BHC	23880800000	23336000000	23972800000	24105300000	26229700000	24304900000	5
alpha-Chlordane	20016900000	19678400000	20310700000	20811200000	23292700000	20822000000	7
beta-BHC	9157870000	9041540000	9401640000	9704320000	10939600000	9648990000	8
Decachlorobiphenyl	19095200000	18752300000	19614700000	20093800000	22833900000	20078000000	8
delta-BHC	22211000000	21751500000	22337600000	22561500000	24713800000	22715100000	5
Dieldrin	20963500000	20551400000	21238000000	21609600000	23832300000	21639000000	6
Endosulfan I	18710200000	18457000000	19095000000	19631700000	21847700000	19548300000	7
Endosulfan II	18071500000	17758300000	18395200000	18826200000	20946400000	18799500000	7
Endosulfan sulfate	17842800000	17514800000	18136900000	18586800000	20746700000	18565600000	7
Endrin	18955800000	18701800000	19397300000	19737400000	22833500000	19925200000	8
Endrin aldehyde	12528800000	12224400000	12712900000	13003800000	14132200000	12920400000	6
Endrin ketone	19364800000	19023500000	19740000000	20178700000	22033800000	20068200000	6
gamma-BHC (Lindane)	22053600000	21570700000	22138000000	22412100000	24446000000	22524100000	5
gamma-Chlordane	20939400000	20491100000	21182700000	21653700000	23999700000	21653300000	6
Heptachlor	22407100000	22028400000	22731800000	23177700000	25700800000	23209200000	6
Heptachlor epoxide	19711600000	19404700000	20096200000	20688400000	22848400000	20549800000	7
Methoxychlor	9410250000	9296740000	9702690000	9950740000	10617100000	9795500000	5
Tetrachloro-m-xylene	15162800000	14913400000	15457700000	15824900000	17830500000	15837800000	7

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	34887000
		2	6.44	6.34	6.54	46683300
		3	7.15	7.05	7.25	91652600
		4	7.56	7.46	7.66	120732000
		5	7.93	7.83	8.03	68165800

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	159990000
		2	5.64	5.54	5.74	108562000
		3	6.75	6.65	6.85	519577000
		4	7.19	7.09	7.29	361556000
		5	7.32	7.22	7.42	254114000

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:47
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: Aug 01 06:03:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.877	250.0E6	1516.3E6	101.769	98.092
28)	SA Decachlor...	9.072	8.068	348.3E6	1909.5E6	96.236	97.351
	Target Compounds						
2)	A alpha-BHC	3.998	3.390	547.4E6	2388.1E6	108.020	99.616
3)	MA gamma-BHC...	4.329	3.726	513.4E6	2205.4E6	106.475	99.619
4)	MA Heptachlor	4.928	4.079	512.5E6	2240.7E6	105.919	98.571
5)	MB Aldrin	5.269	4.365	487.5E6	2165.7E6	105.943	99.021
6)	B beta-BHC	4.515	4.022	183.5E6	915.8E6	100.635	97.407
7)	B delta-BHC	4.763	4.258	503.3E6	2221.1E6	107.623	99.433
8)	B Heptachlo...	5.689	4.869	434.5E6	1971.2E6	104.739	98.086
9)	A Endosulfan I	6.073	5.243	408.8E6	1871.0E6	103.749	97.985
10)	B gamma-Chl...	5.945	5.121	437.2E6	2093.9E6	104.922	98.851
11)	B alpha-Chl...	6.025	5.186	433.4E6	2001.7E6	103.753	98.554
12)	B 4,4'-DDE	6.194	5.371	400.4E6	2043.1E6	106.779	98.544
13)	MA Dieldrin	6.345	5.508	448.2E6	2096.4E6	105.766	98.708
14)	MA Endrin	6.573	5.785	378.7E6	1895.6E6	105.625	97.723
15)	B Endosulfa...	6.785	6.077	370.7E6	1807.1E6	102.908	98.240
16)	A 4,4'-DDD	6.704	5.926	317.1E6	1713.4E6	105.699	98.730
17)	MA 4,4'-DDT	7.020	6.180	354.8E6	1842.5E6	105.256	99.852
18)	B Endrin al...	6.914	6.255	253.1E6	1252.9E6	102.502	98.551
19)	B Endosulfa...	7.149	6.478	352.0E6	1784.3E6	102.563	98.378
20)	A Methoxychlor	7.492	6.750	177.1E6	941.0E6	99.649	96.986
21)	B Endrin ke...	7.630	6.987	380.4E6	1936.5E6	102.798	98.099
22)	Mirex	8.113	7.181	264.5E6	1440.6E6	97.646	97.171

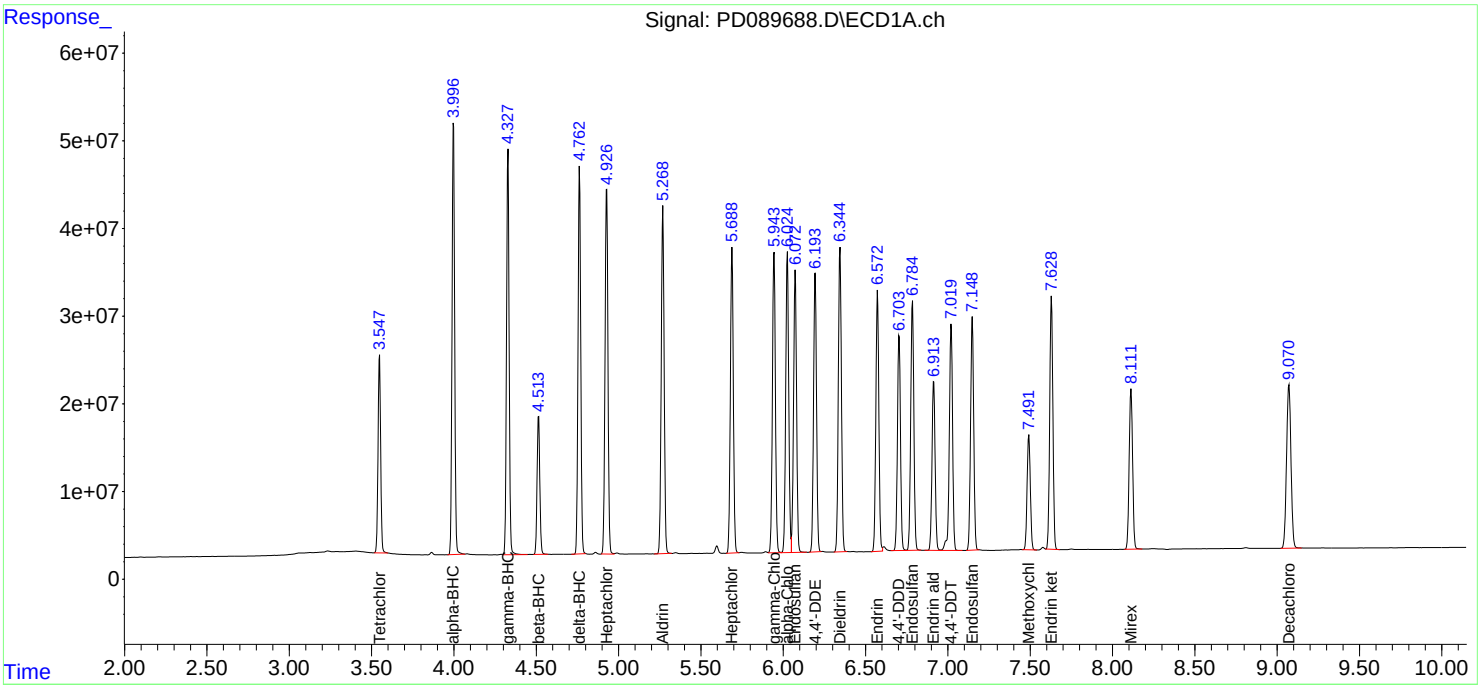
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

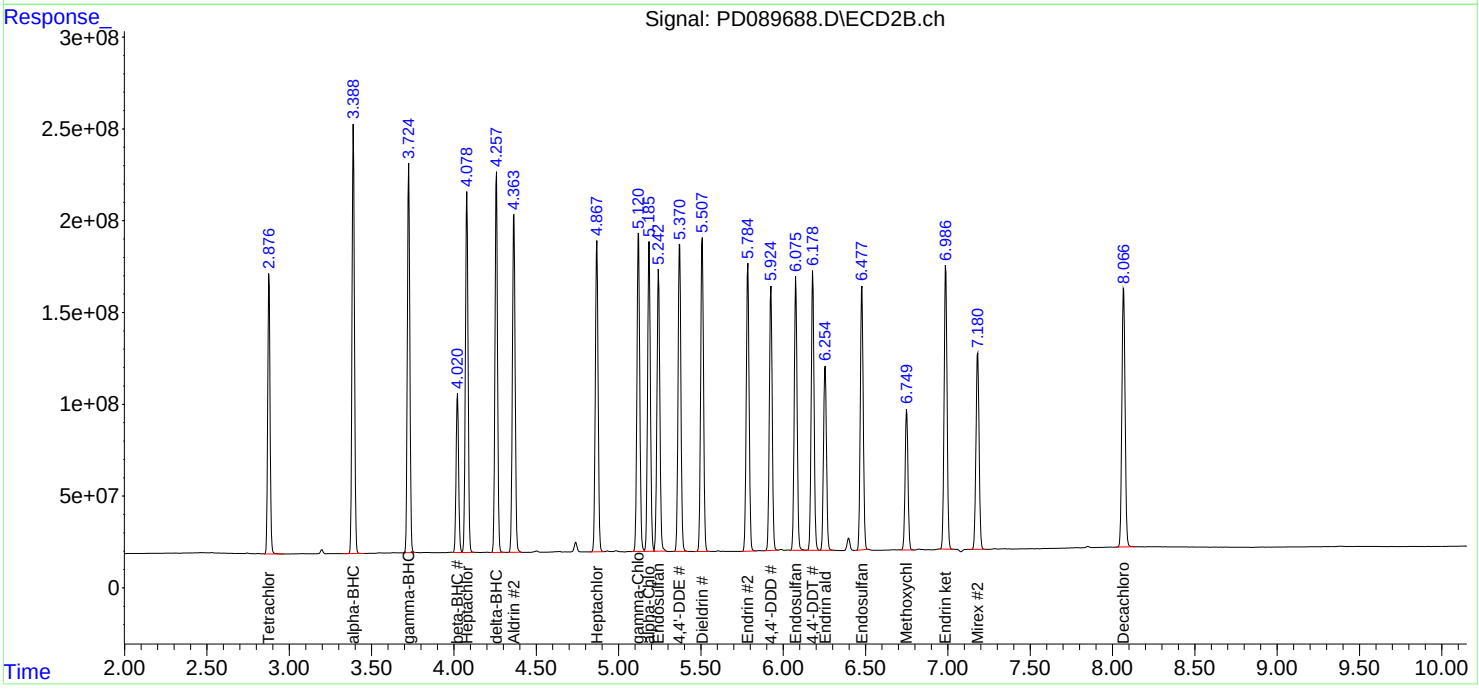
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:47
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

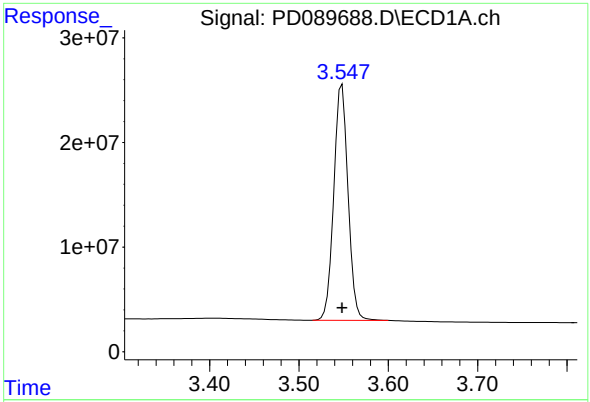
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:03:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



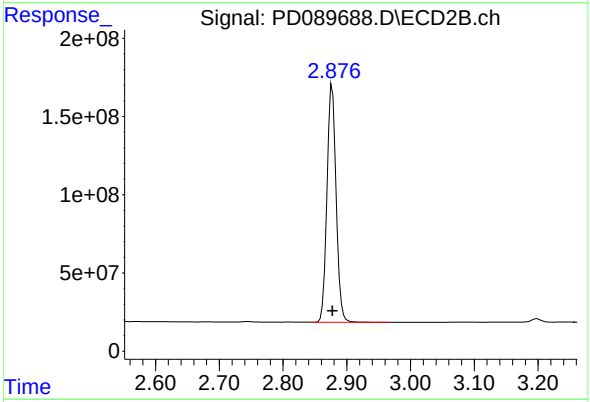




#1 Tetrachloro-m-xylene

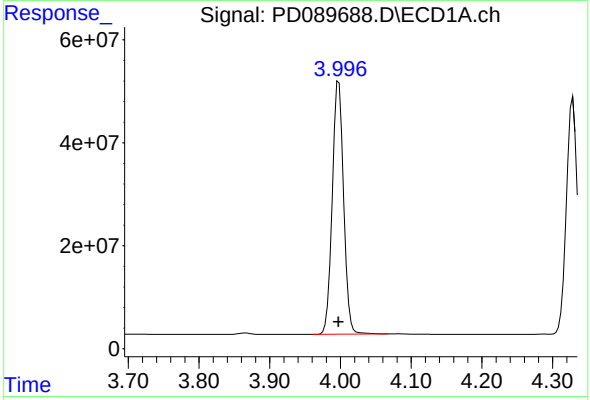
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 250006076
Conc: 101.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



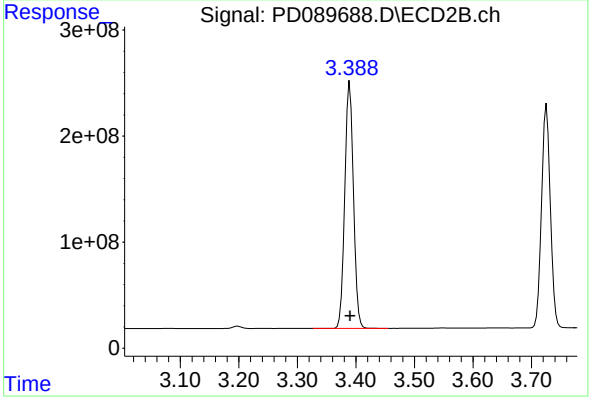
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 1516279323
Conc: 98.09 ng/ml



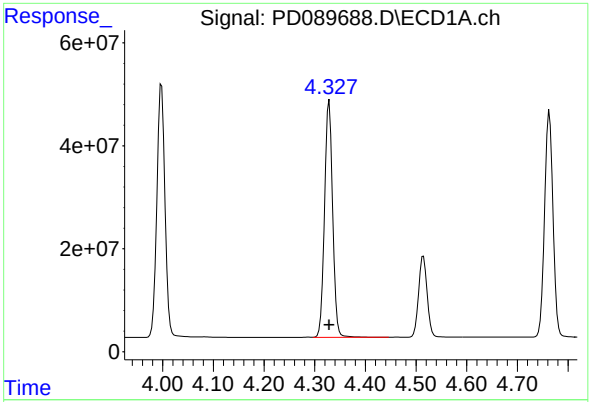
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 547435670
Conc: 108.02 ng/ml



#2 alpha-BHC

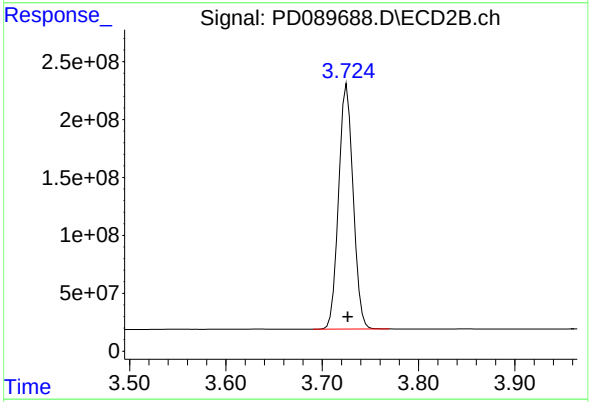
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 2388078161
Conc: 99.62 ng/ml



#3 gamma-BHC (Lindane)

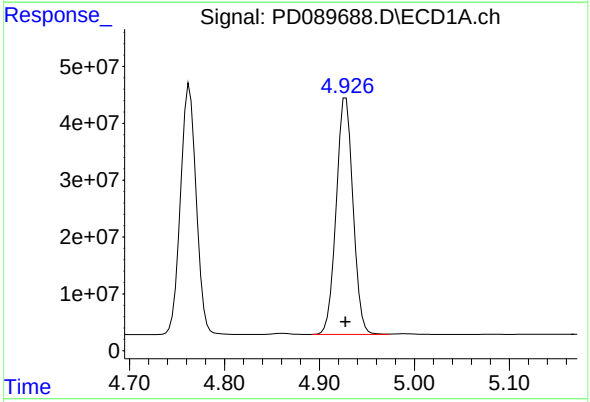
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 513364856
Conc: 106.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



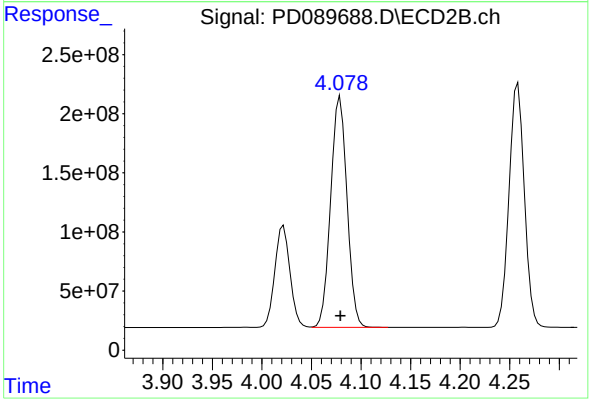
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 2205360184
Conc: 99.62 ng/ml



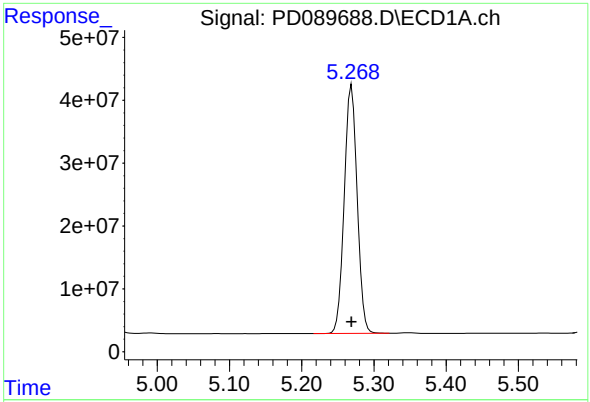
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.000 min
Response: 512472575
Conc: 105.92 ng/ml



#4 Heptachlor

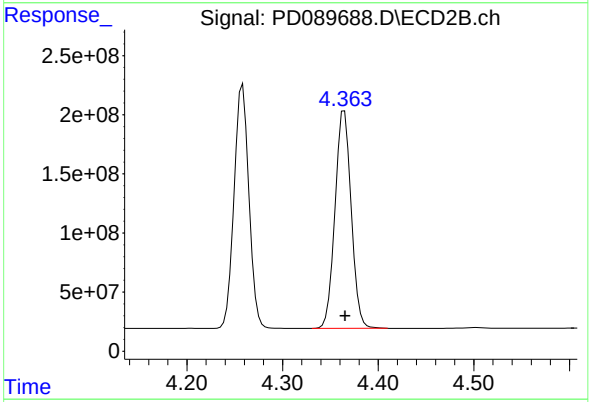
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 2240709594
Conc: 98.57 ng/ml



#5 Aldrin

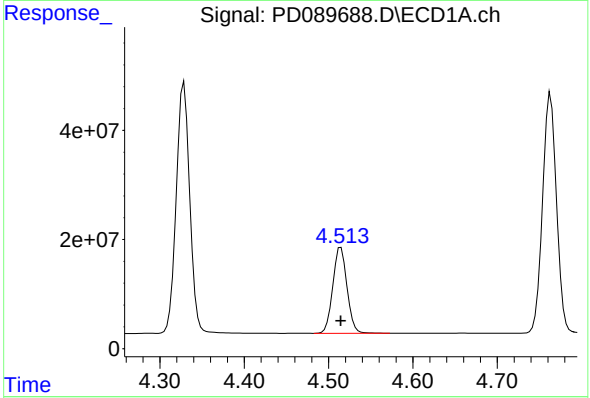
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 487536345
Conc: 105.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



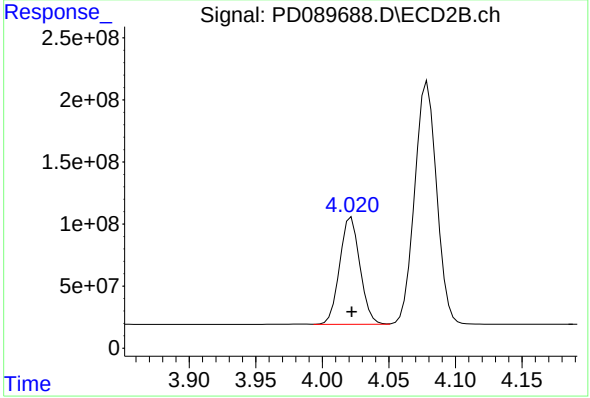
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 2165709530
Conc: 99.02 ng/ml



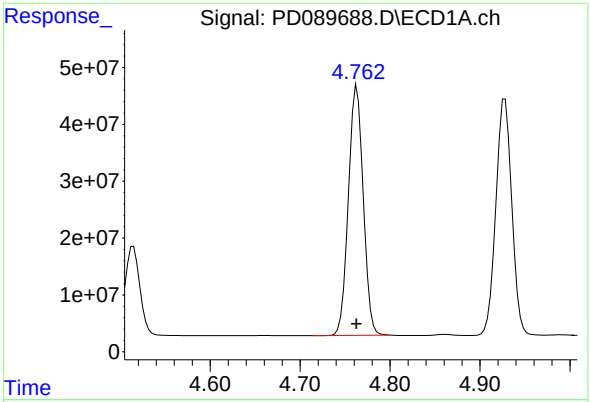
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 183538183
Conc: 100.63 ng/ml



#6 beta-BHC

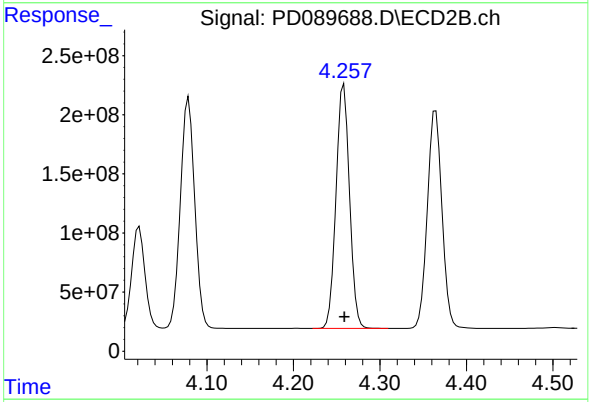
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 915787339
Conc: 97.41 ng/ml



#7 delta-BHC

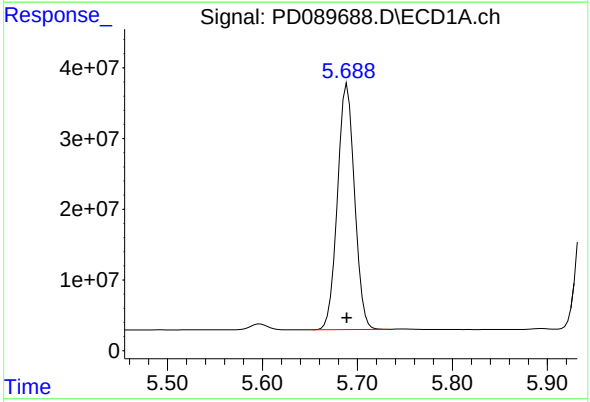
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 503328125
Conc: 107.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



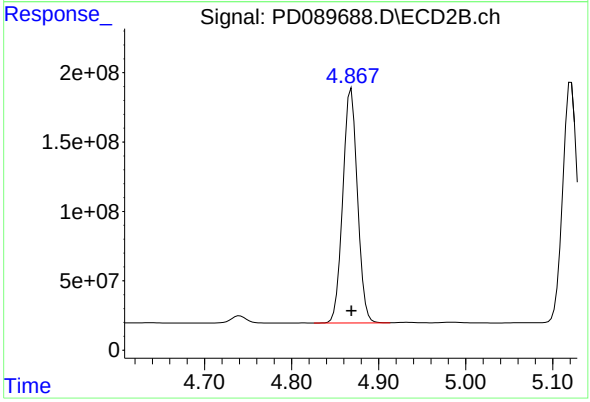
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 2221102786
Conc: 99.43 ng/ml



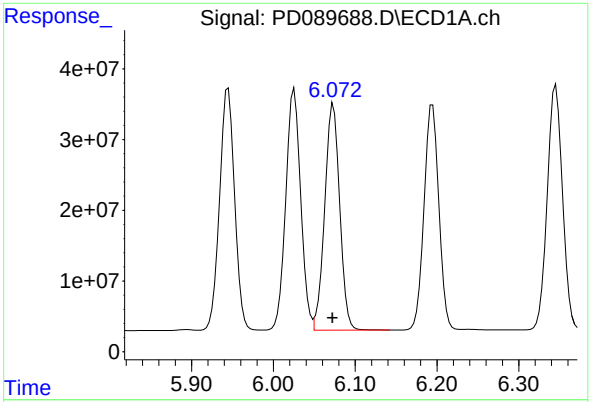
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 434544121
Conc: 104.74 ng/ml



#8 Heptachlor epoxide

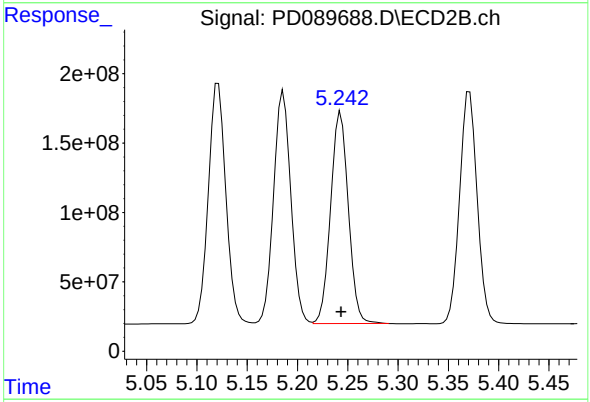
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1971159575
Conc: 98.09 ng/ml



#9 Endosulfan I

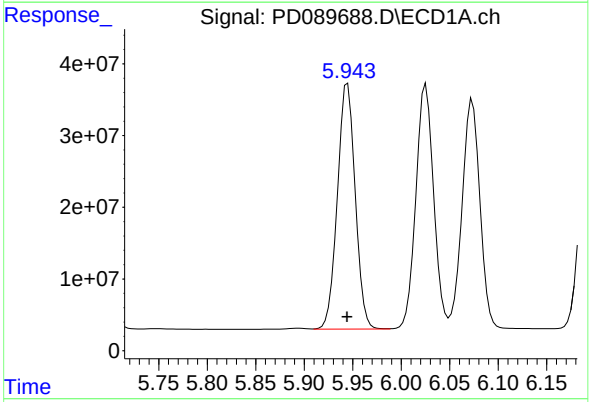
R.T.: 6.073 min
Delta R.T.: 0.001 min
Response: 408792357
Conc: 103.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



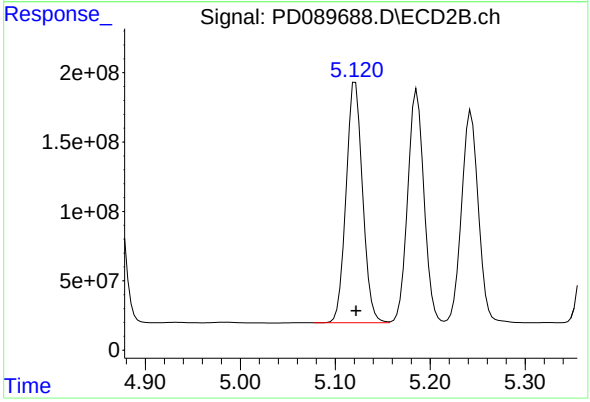
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1871024138
Conc: 97.99 ng/ml



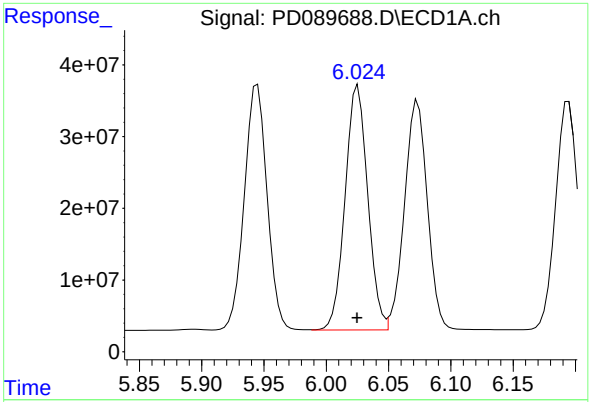
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 437192603
Conc: 104.92 ng/ml



#10 gamma-Chlordane

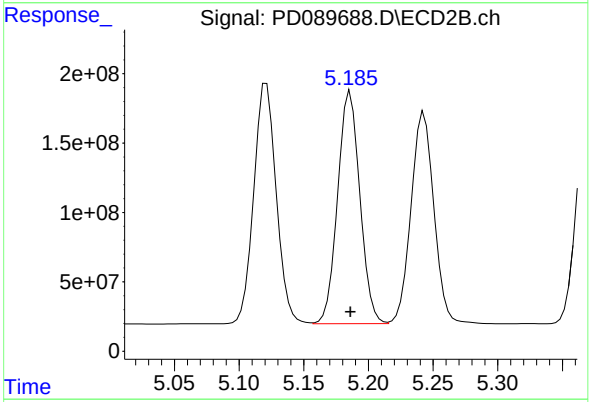
R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 2093942613
Conc: 98.85 ng/ml



#11 alpha-Chlordane

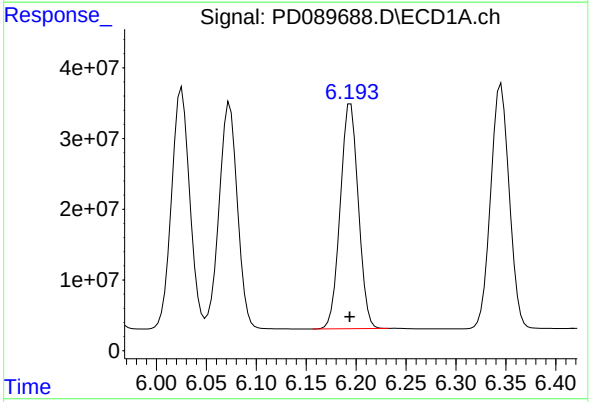
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 433422709
Conc: 103.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



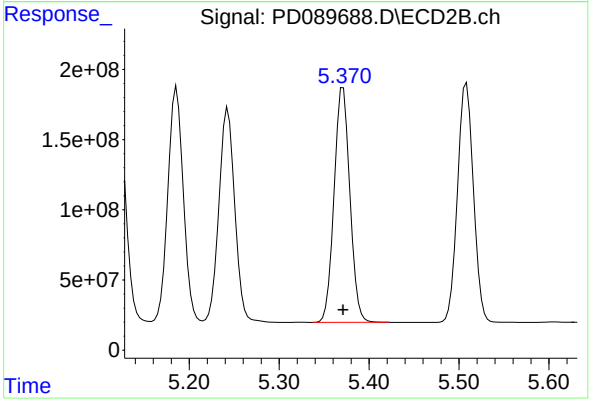
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 2001693331
Conc: 98.55 ng/ml



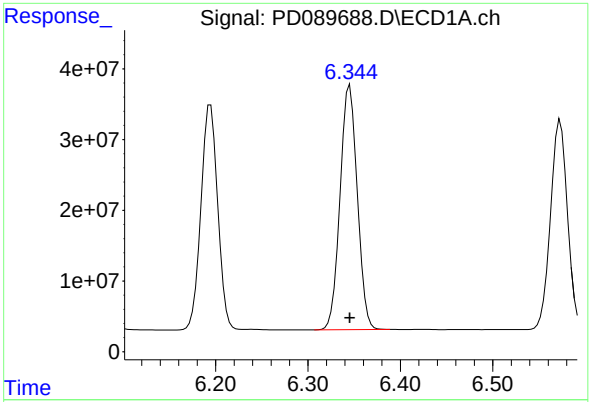
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 400381279
Conc: 106.78 ng/ml



#12 4,4'-DDE

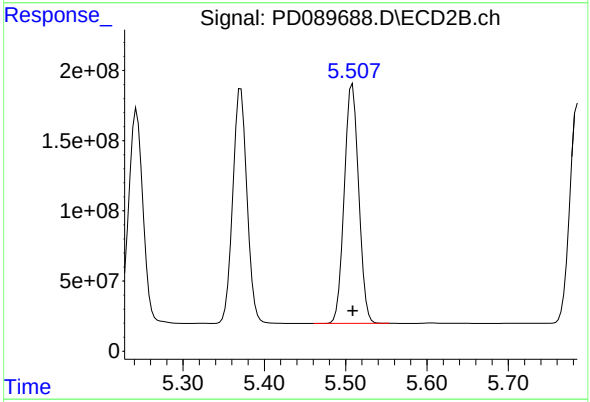
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 2043086019
Conc: 98.54 ng/ml



#13 Dieldrin

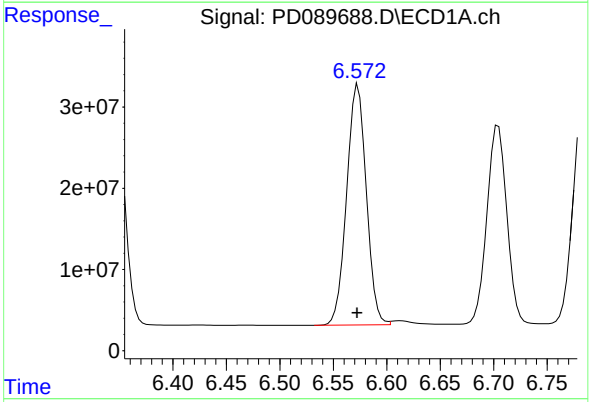
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 448217578
Conc: 105.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



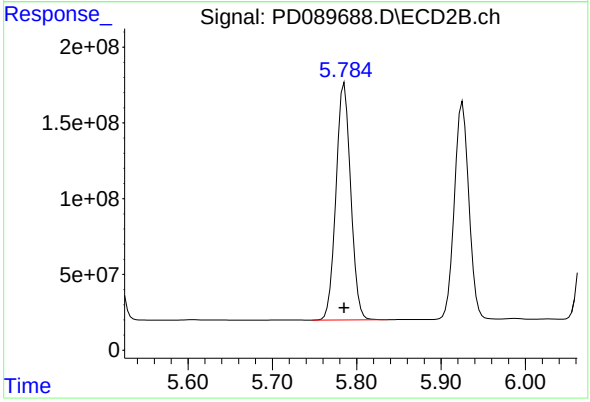
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 2096350924
Conc: 98.71 ng/ml



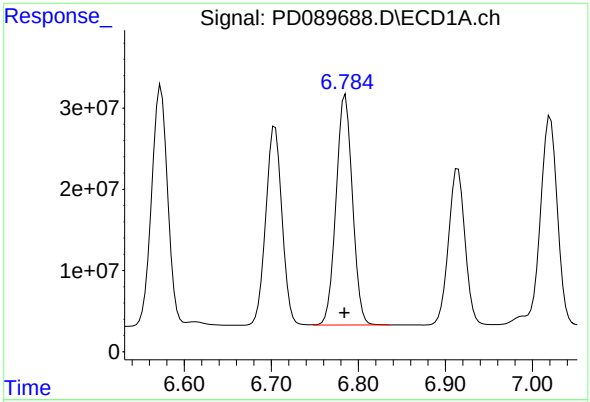
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.001 min
Response: 378700401
Conc: 105.63 ng/ml



#14 Endrin

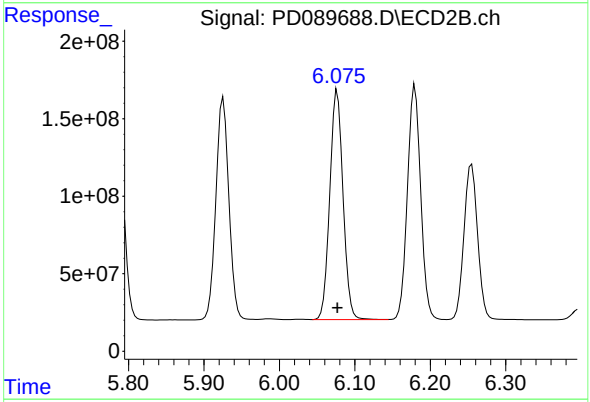
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1895575350
Conc: 97.72 ng/ml



#15 Endosulfan II

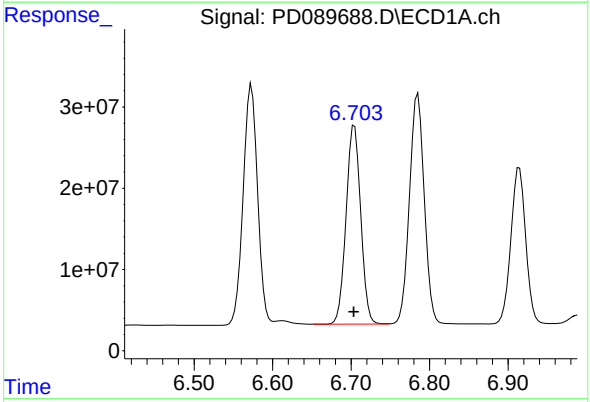
R.T.: 6.785 min
Delta R.T.: 0.001 min
Response: 370721784
Conc: 102.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



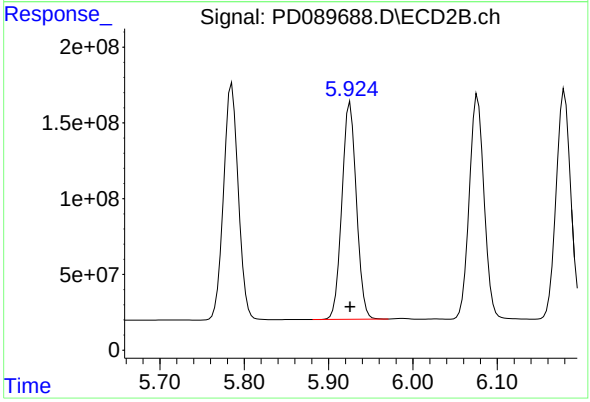
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 1807145745
Conc: 98.24 ng/ml



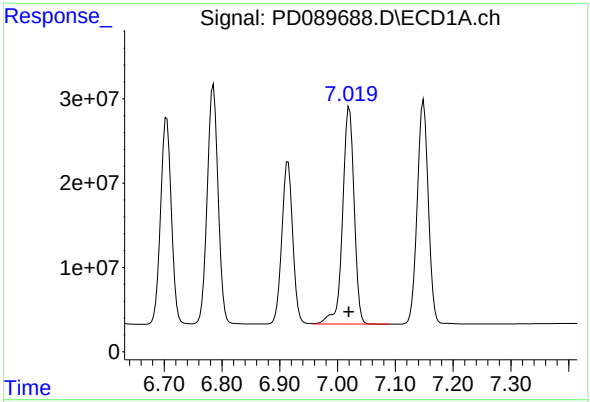
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 317090710
Conc: 105.70 ng/ml



#16 4,4'-DDD

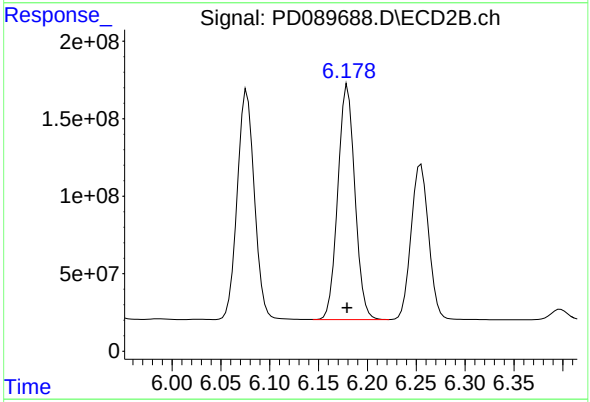
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 1713443225
Conc: 98.73 ng/ml



#17 4,4'-DDT

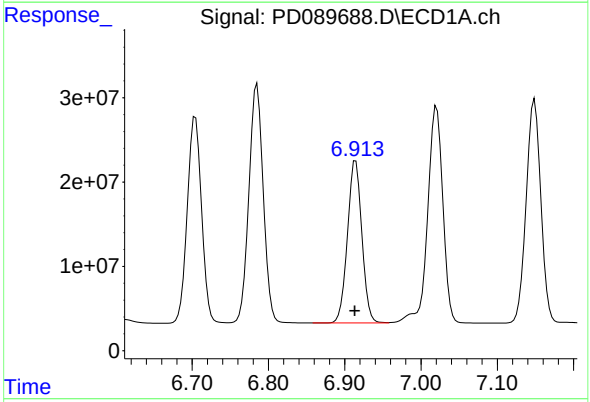
R.T.: 7.020 min
Delta R.T.: 0.001 min
Response: 354806849
Conc: 105.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



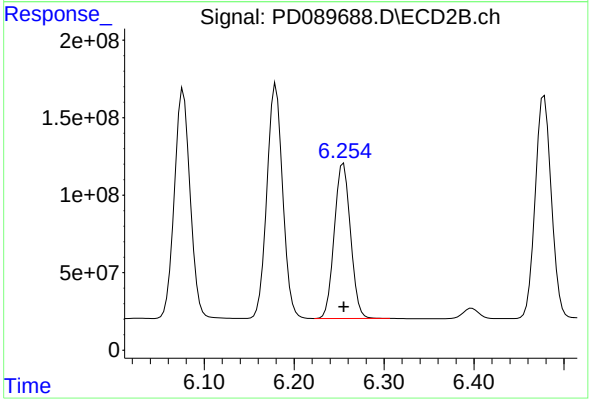
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 1842539835
Conc: 99.85 ng/ml



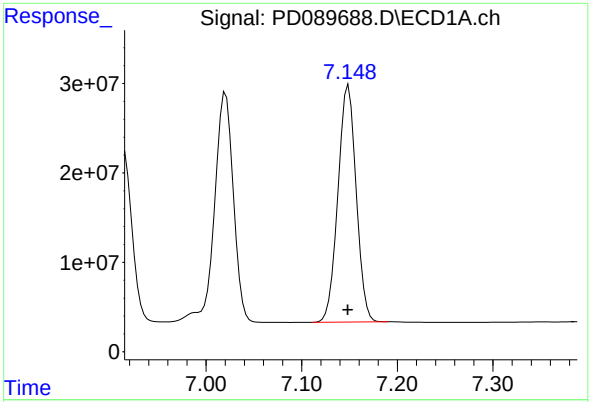
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.001 min
Response: 253102702
Conc: 102.50 ng/ml



#18 Endrin aldehyde

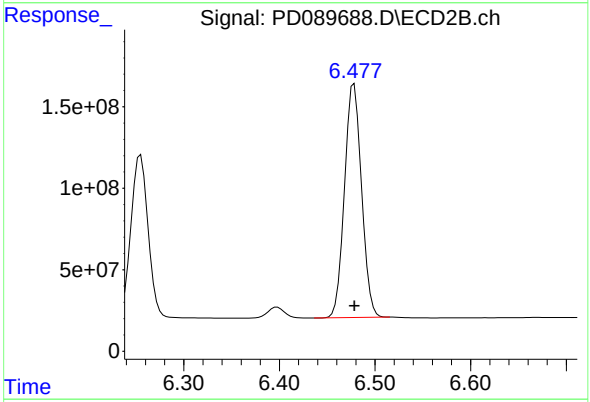
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 1252876156
Conc: 98.55 ng/ml



#19 Endosulfan Sulfate

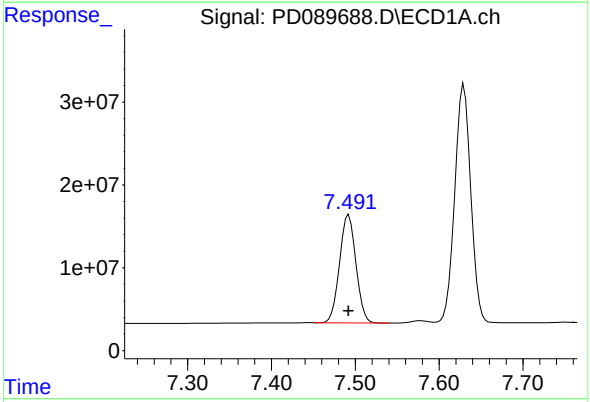
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 352046271
Conc: 102.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



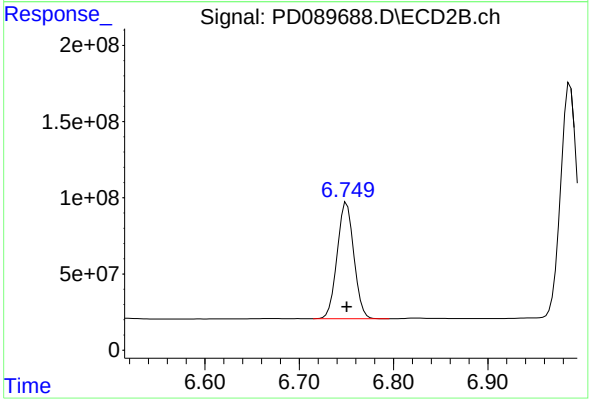
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1784276585
Conc: 98.38 ng/ml



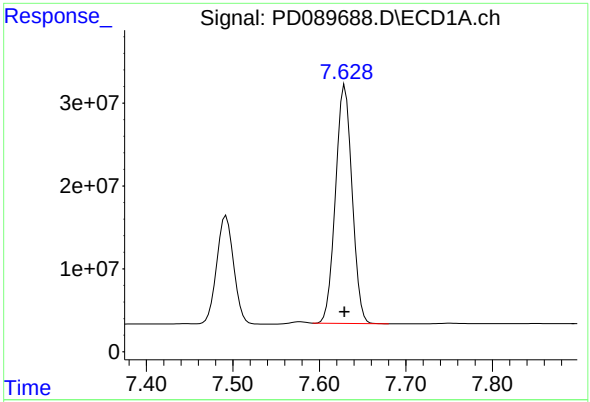
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 177108449
Conc: 99.65 ng/ml



#20 Methoxychlor

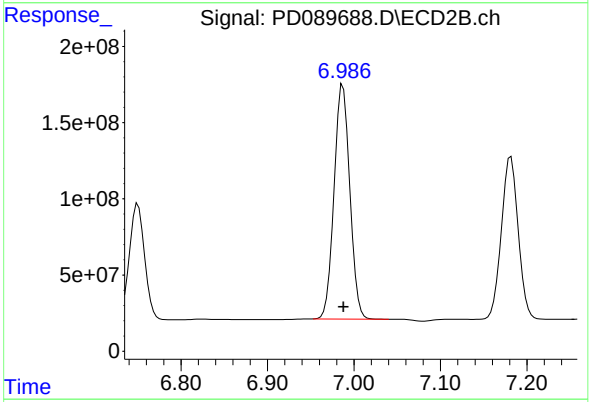
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 941025206
Conc: 96.99 ng/ml



#21 Endrin ketone

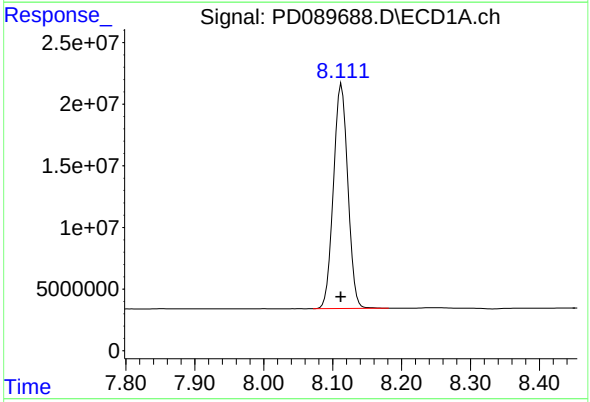
R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 380426726
Conc: 102.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



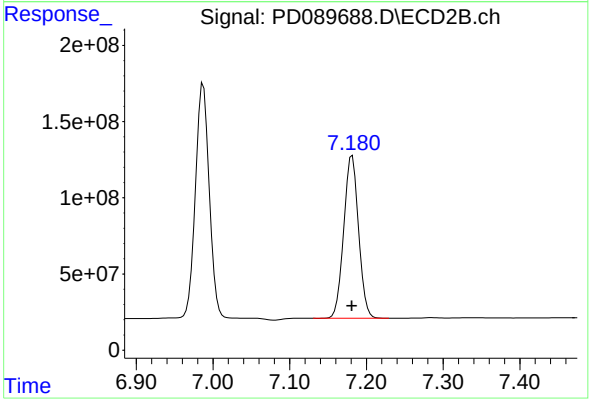
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1936479900
Conc: 98.10 ng/ml



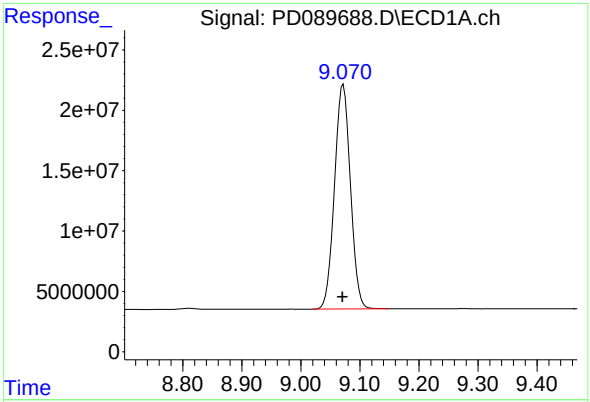
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.001 min
Response: 264485554
Conc: 97.65 ng/ml



#22 Mirex

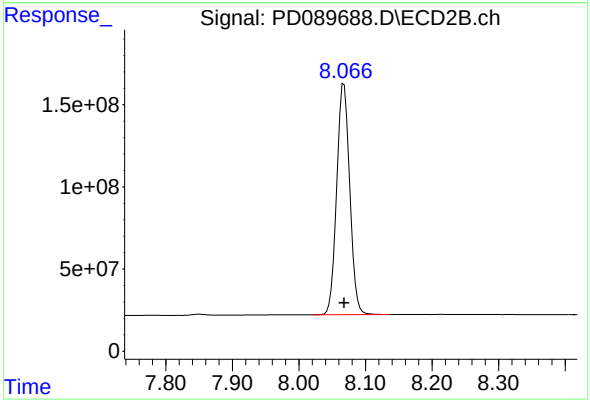
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 1440625493
Conc: 97.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.001 min
Response: 348323950
Conc: 96.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 1909515214
Conc: 97.35 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:01
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:03:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.878	182.0E6	1118.5E6	74.099	72.359
28)	SA Decachlor...	9.071	8.067	262.5E6	1406.4E6	72.524	71.702
	Target Compounds						
2)	A alpha-BHC	3.998	3.390	389.2E6	1750.2E6	76.799	73.008
3)	MA gamma-BHC...	4.327	3.727	364.1E6	1617.8E6	75.509m	73.078
4)	MA Heptachlor	4.927	4.079	367.5E6	1652.1E6	75.953	72.679
5)	MB Aldrin	5.269	4.365	349.2E6	1591.4E6	75.891	72.762
6)	B beta-BHC	4.514	4.022	134.4E6	678.1E6	73.687	72.127
7)	B delta-BHC	4.763	4.259	358.2E6	1631.4E6	76.586	73.032
8)	B Heptachlo...	5.689	4.869	313.4E6	1455.4E6	75.540	72.419
9)	A Endosulfan I	6.073	5.243	295.7E6	1384.3E6	75.057	72.494
10)	B gamma-Chl...	5.945	5.122	316.5E6	1536.8E6	75.953	72.551
11)	B alpha-Chl...	6.025	5.186	314.3E6	1475.9E6	75.227	72.665
12)	B 4,4'-DDE	6.194	5.371	286.3E6	1504.8E6	76.363	72.583
13)	MA Dieldrin	6.345	5.509	322.8E6	1541.4E6	76.176	72.575
14)	MA Endrin	6.572	5.785	272.7E6	1402.6E6	76.049	72.311
15)	B Endosulfa...	6.785	6.076	271.1E6	1331.9E6	75.250	72.403
16)	A 4,4'-DDD	6.703	5.925	228.6E6	1259.0E6	76.194	72.547
17)	MA 4,4'-DDT	7.019	6.179	256.2E6	1348.7E6	76.010	73.090
18)	B Endrin al...	6.913	6.255	183.3E6	916.8E6	74.217	72.118
19)	B Endosulfa...	7.148	6.479	257.0E6	1313.6E6	74.880	72.427
20)	A Methoxychlor	7.492	6.750	131.3E6	697.3E6	73.886	71.862
21)	B Endrin ke...	7.629	6.987	277.5E6	1426.8E6	74.979	72.278
22)	Mirex	8.112	7.181	197.2E6	1065.3E6	72.806	71.858

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:01
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

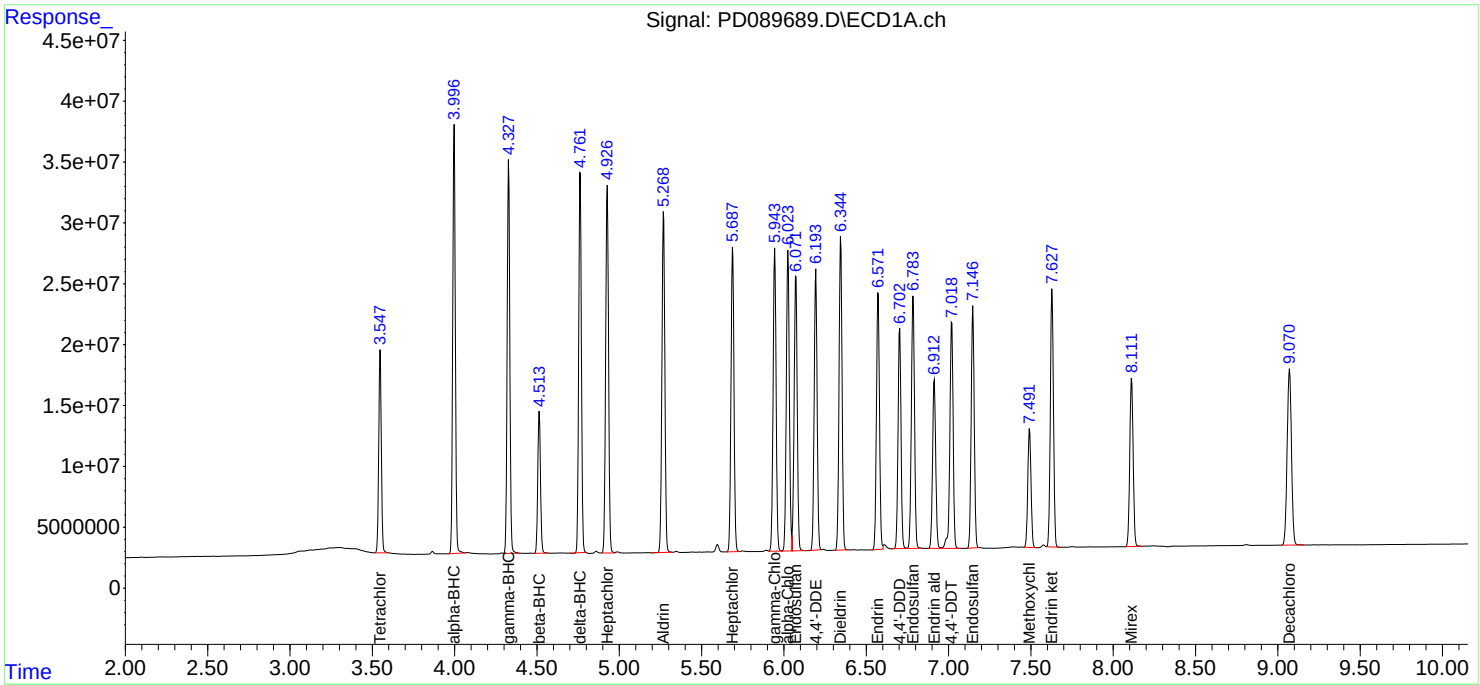
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

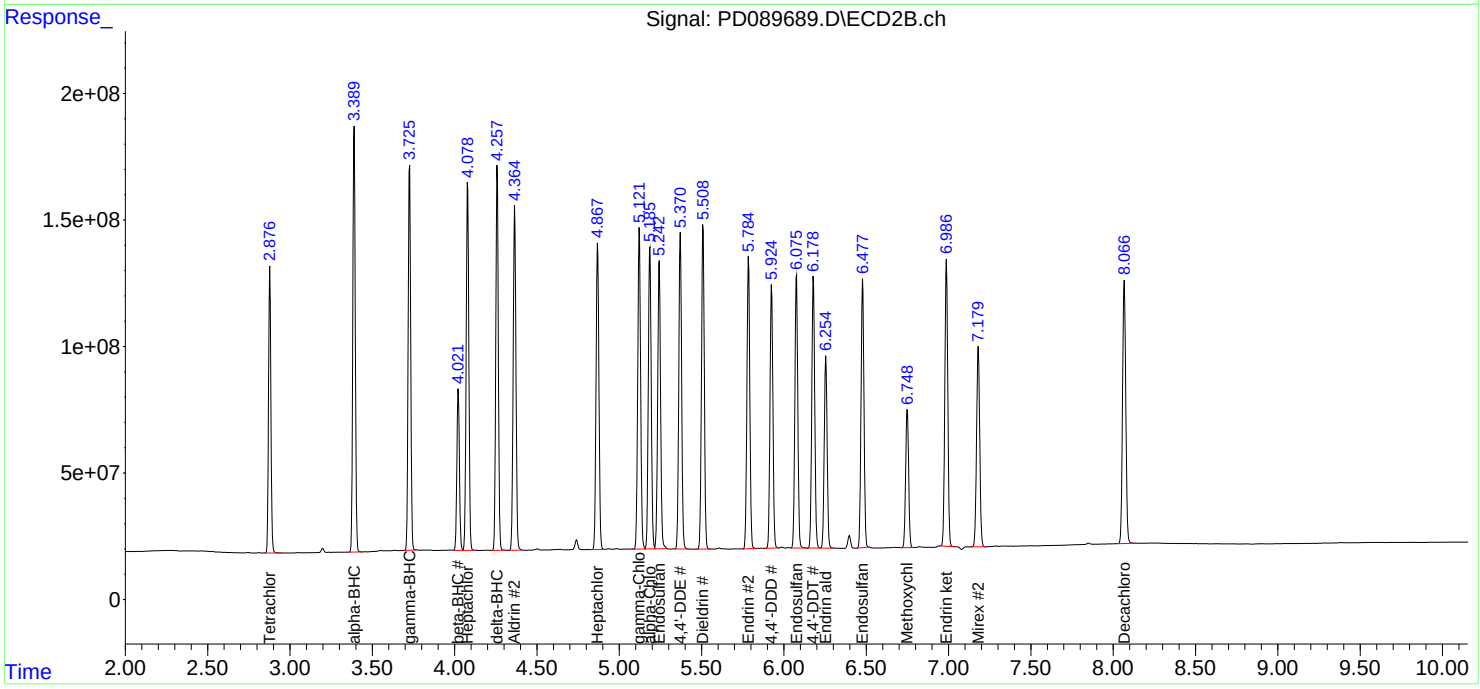
Manual Integrations APPROVED

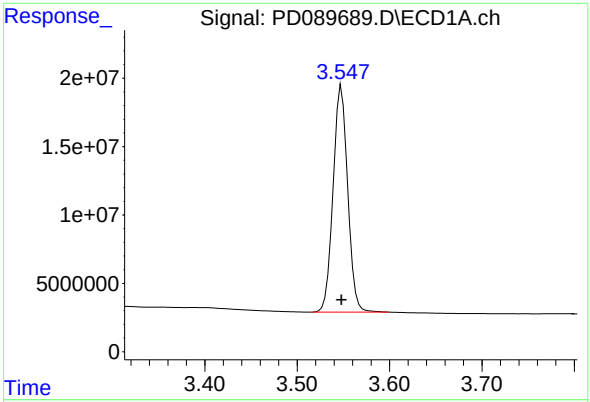
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:03:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 182031181
Conc: 74.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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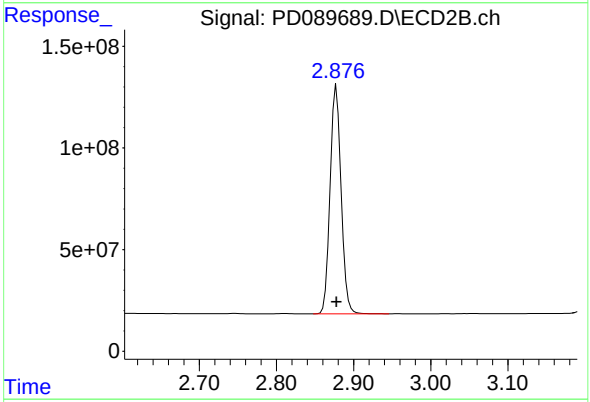
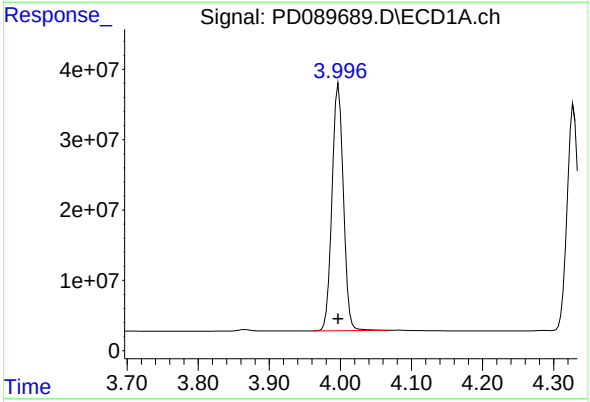
Supervised By :mohammad ahmed 08/01/2025



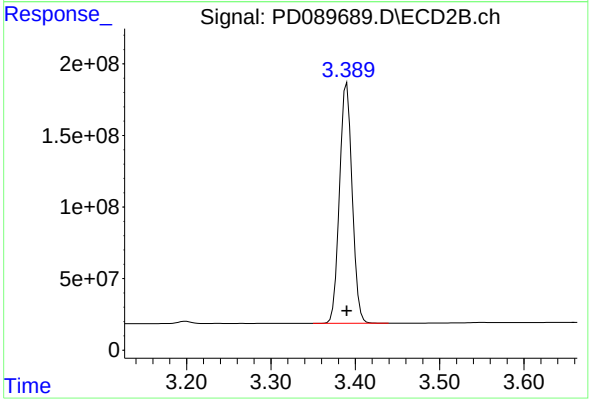
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 1118501820
Conc: 72.36 ng/ml



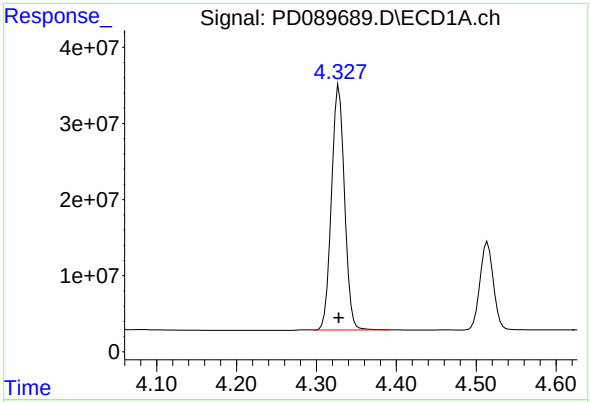
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 389207672
Conc: 76.80 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1750199710
Conc: 73.01 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 364066062
Conc: 75.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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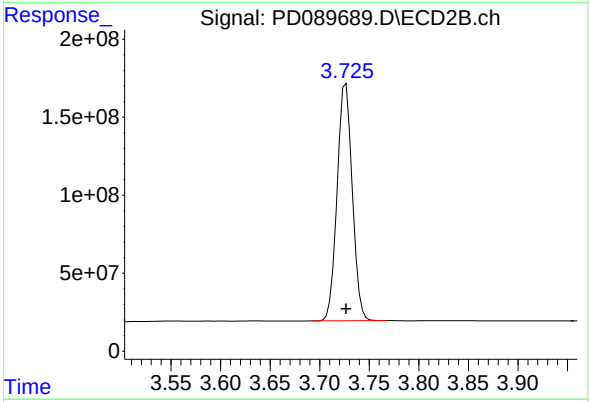
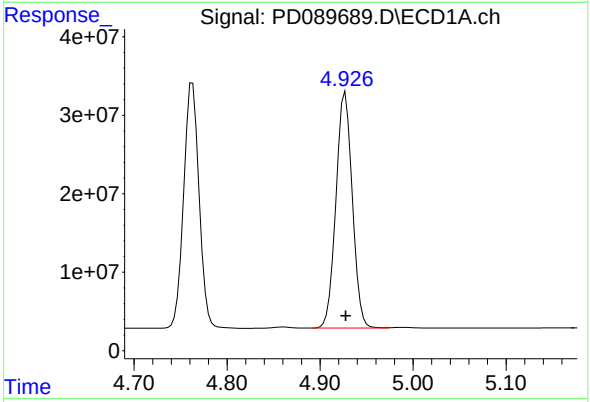


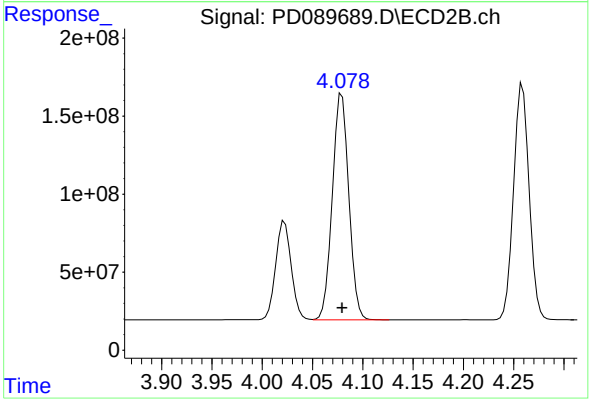
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1617804319
Conc: 73.08 ng/ml



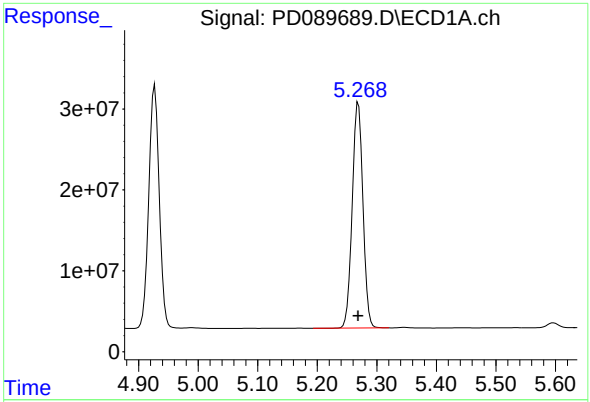
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 367489911
Conc: 75.95 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1652132102
Conc: 72.68 ng/ml



#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 349241334
Conc: 75.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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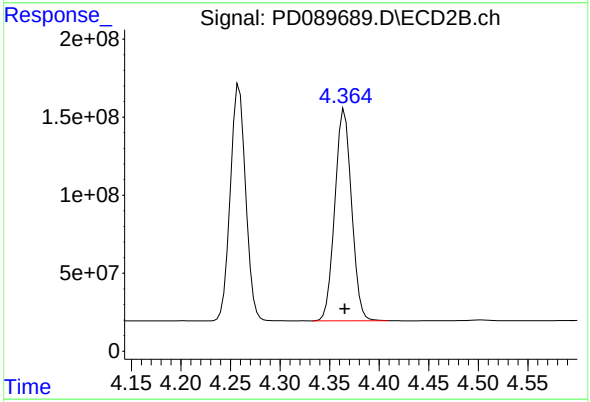
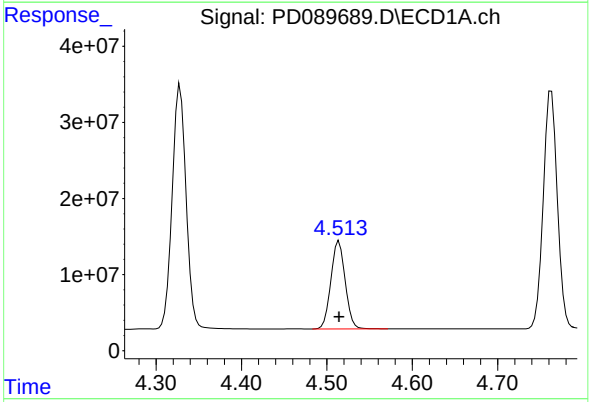


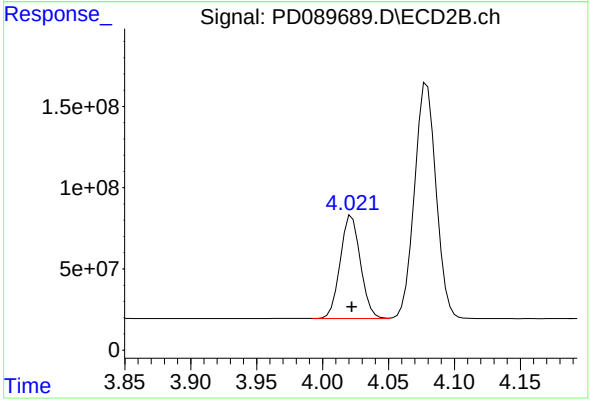
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1591407900
Conc: 72.76 ng/ml



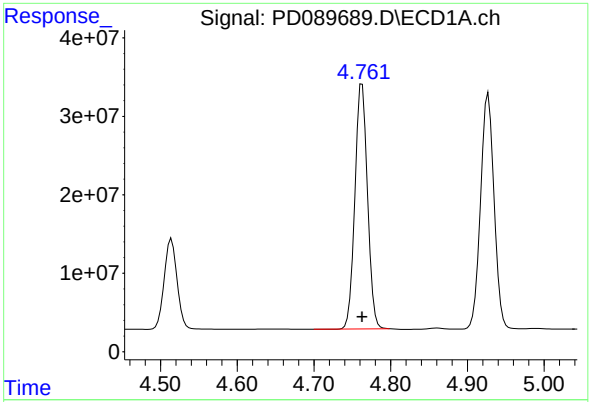
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 134391306
Conc: 73.69 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 678115739
Conc: 72.13 ng/ml



#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 358177063
Conc: 76.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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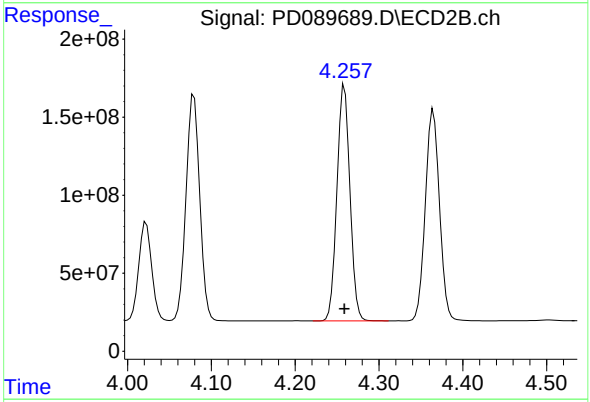
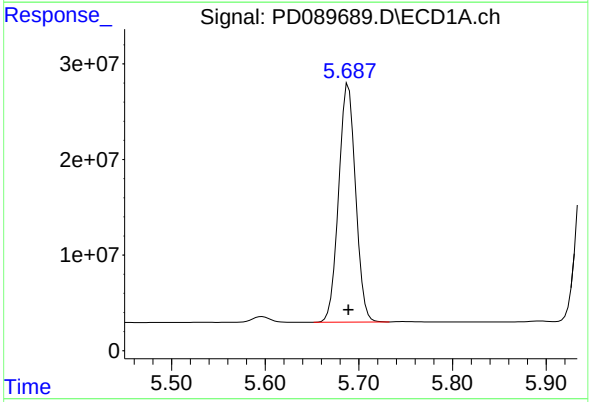
Supervised By :mohammad ahmed 08/01/2025



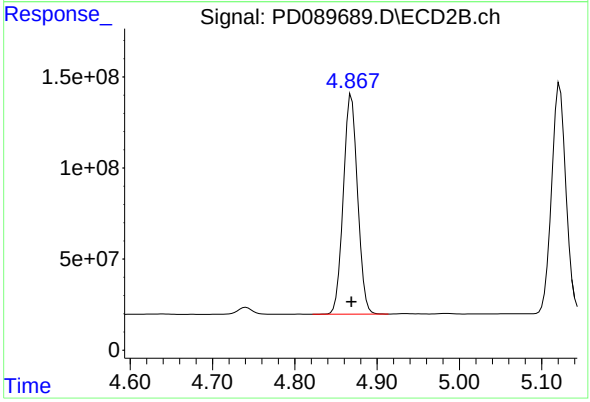
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1631363877
Conc: 73.03 ng/ml



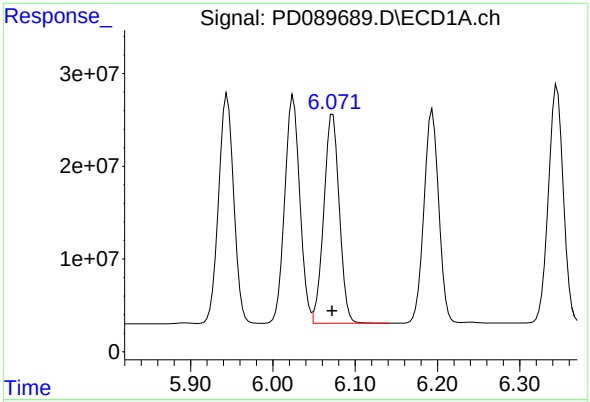
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 313403145
Conc: 75.54 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1455352641
Conc: 72.42 ng/ml



#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 295740738
Conc: 75.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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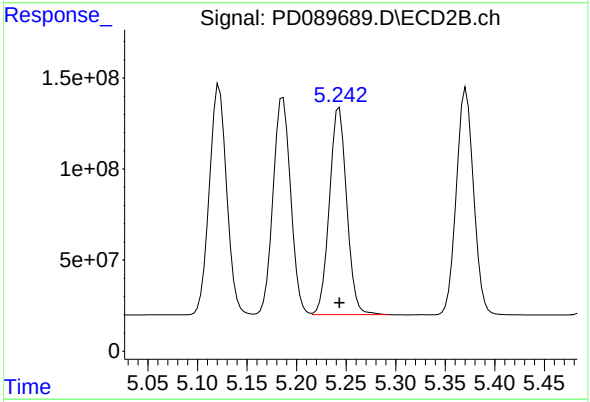
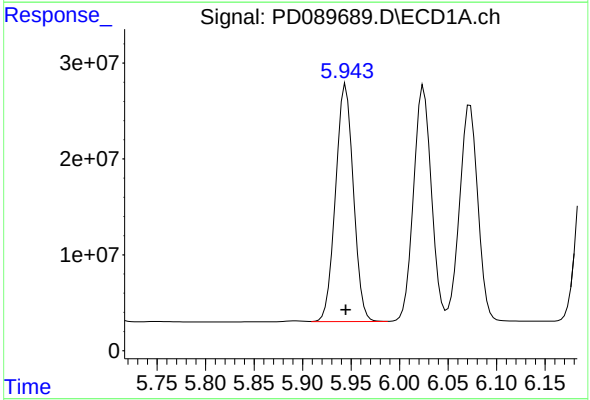
Supervised By :mohammad ahmed 08/01/2025



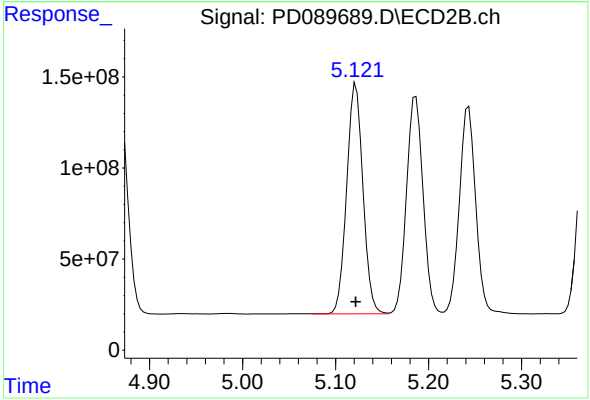
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1384276362
Conc: 72.49 ng/ml



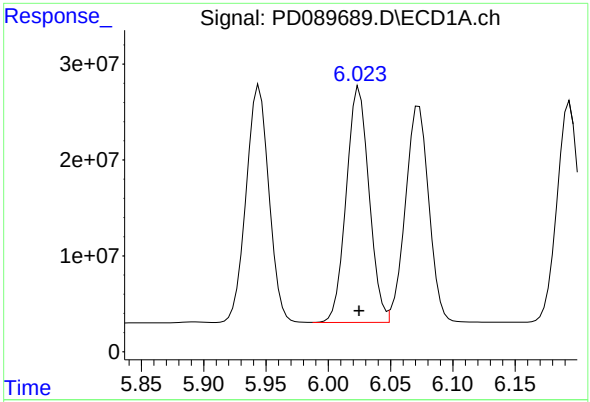
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 316481667
Conc: 75.95 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1536831872
Conc: 72.55 ng/ml



#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 314259987
Conc: 75.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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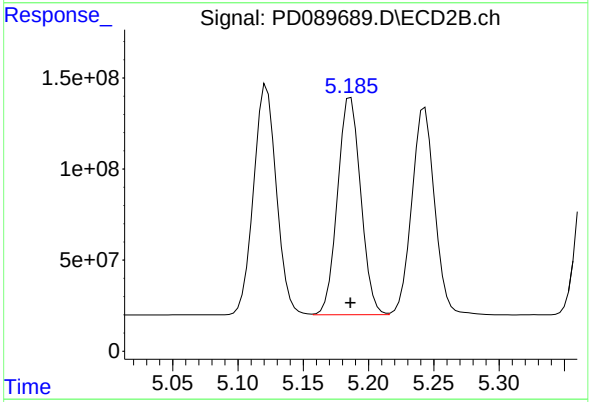
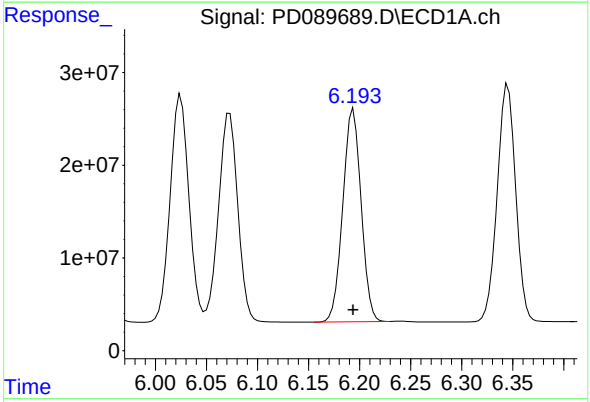
Supervised By :mohammad ahmed 08/01/2025



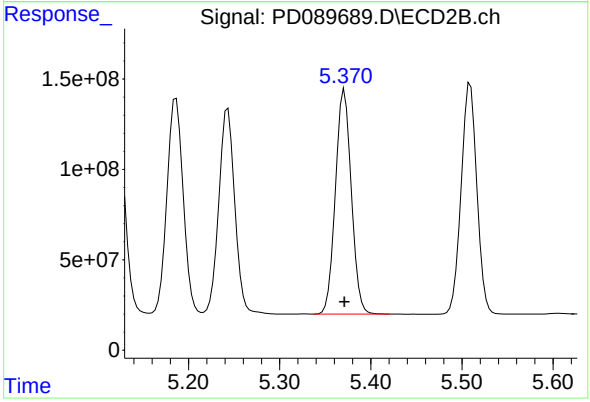
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1475882009
Conc: 72.67 ng/ml



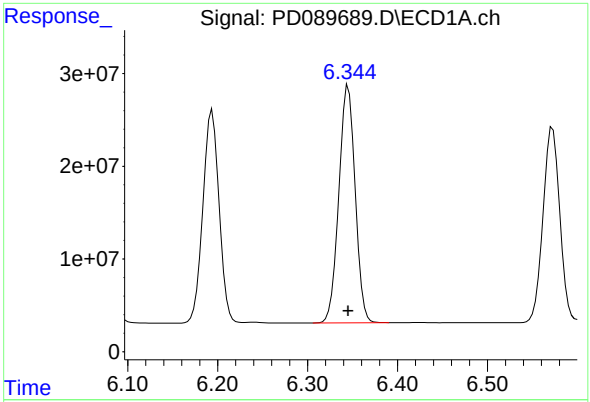
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 286334437
Conc: 76.36 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1504841669
Conc: 72.58 ng/ml



#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 322820323
Conc: 76.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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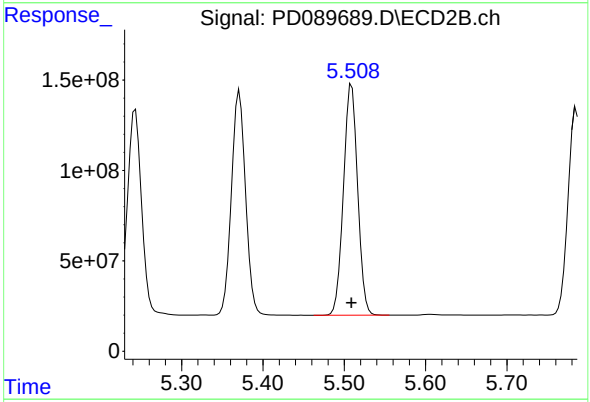
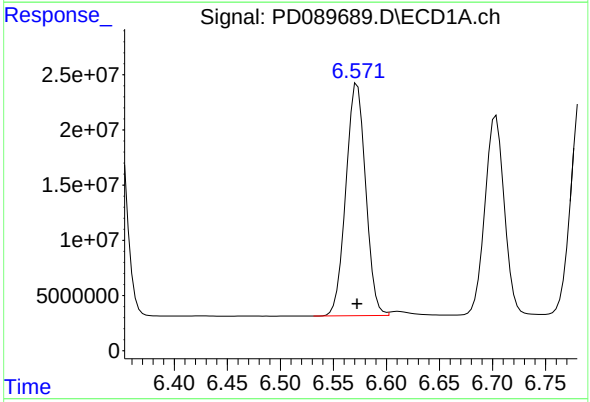
Supervised By :mohammad ahmed 08/01/2025



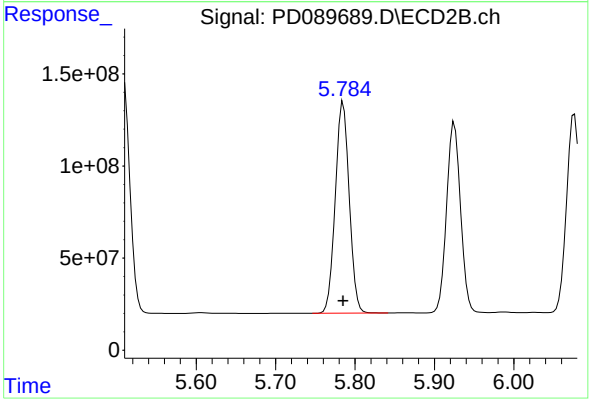
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1541355988
Conc: 72.58 ng/ml



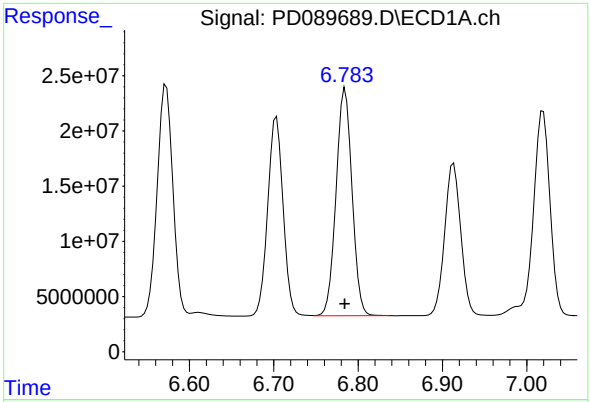
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 272658664
Conc: 76.05 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1402632880
Conc: 72.31 ng/ml



#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 271085392
Conc: 75.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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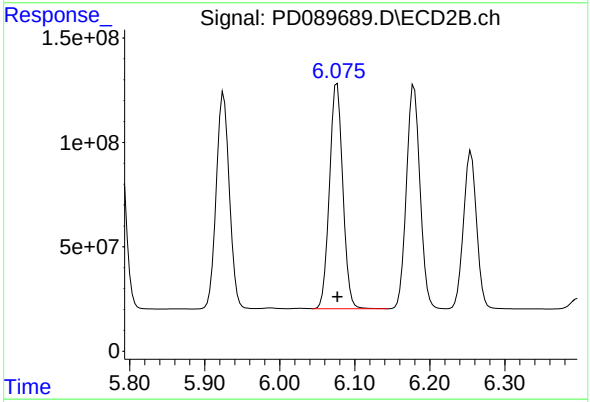
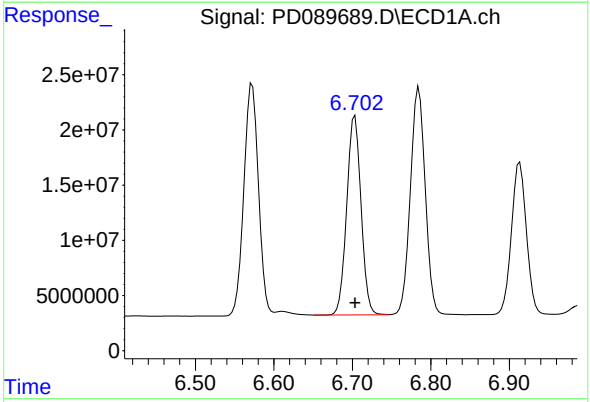
Supervised By :mohammad ahmed 08/01/2025



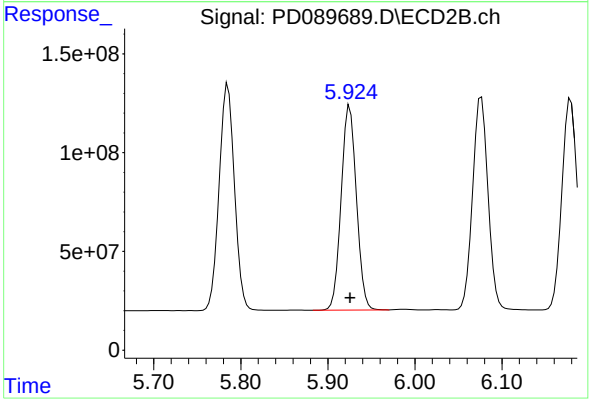
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1331875152
Conc: 72.40 ng/ml



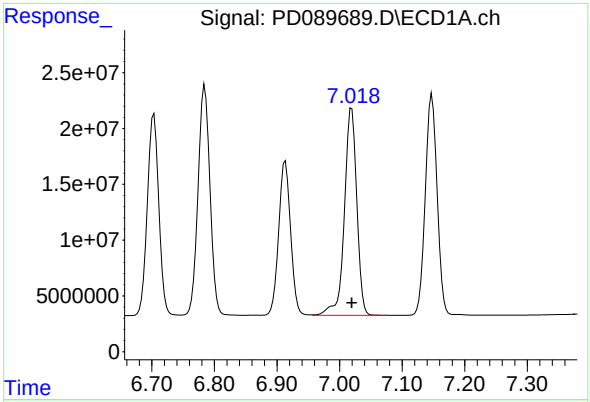
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 228577787
Conc: 76.19 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 1259043880
Conc: 72.55 ng/ml



#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 256220332
Conc: 76.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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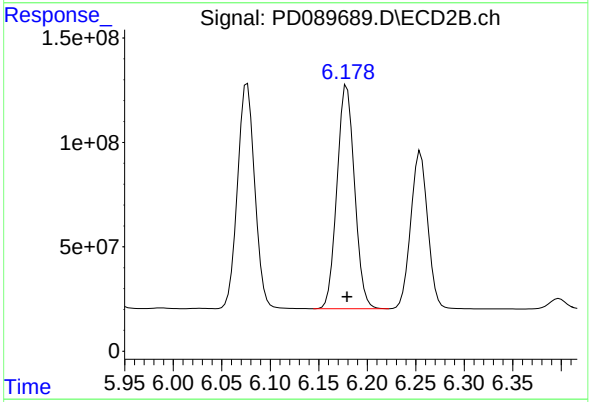
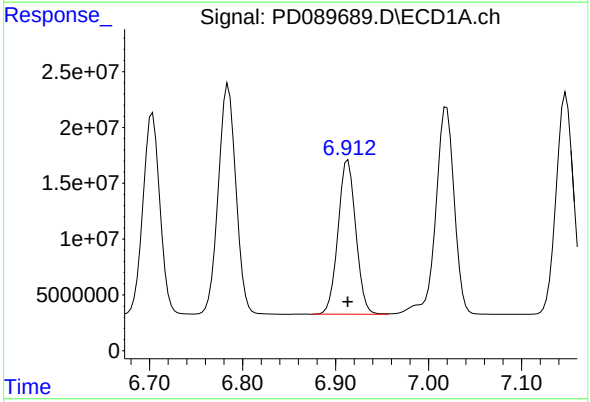
Supervised By :mohammad ahmed 08/01/2025



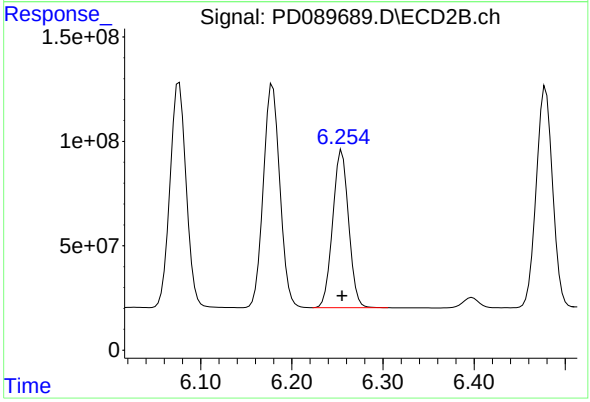
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1348716319
Conc: 73.09 ng/ml



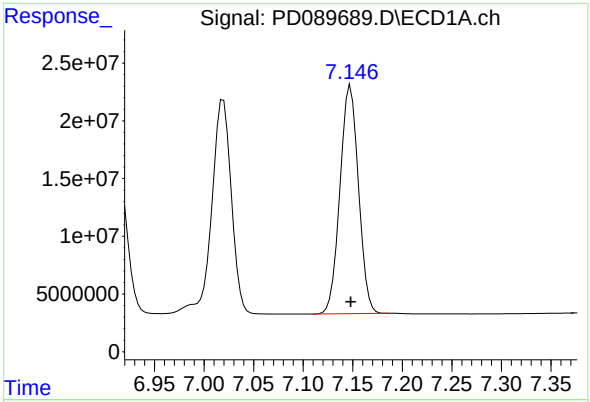
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 183260264
Conc: 74.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 916827901
Conc: 72.12 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 257022941
Conc: 74.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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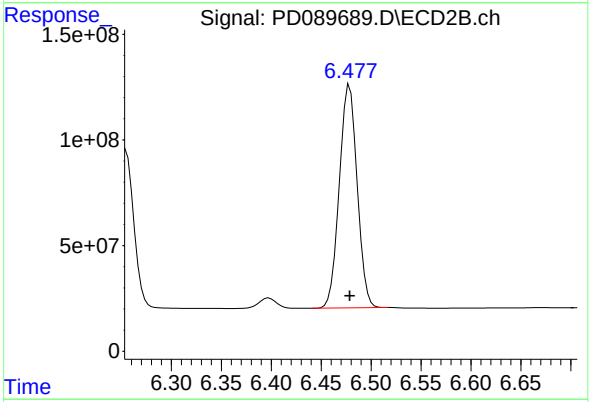
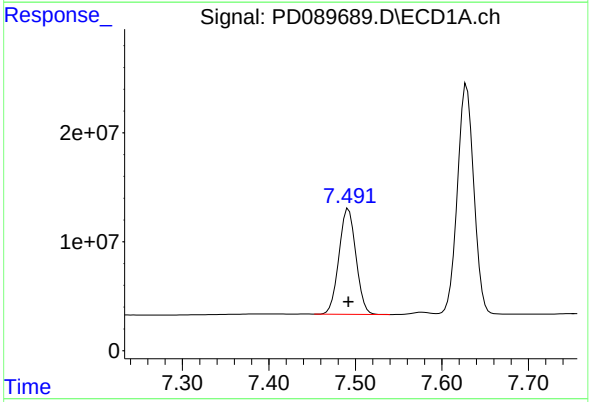
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



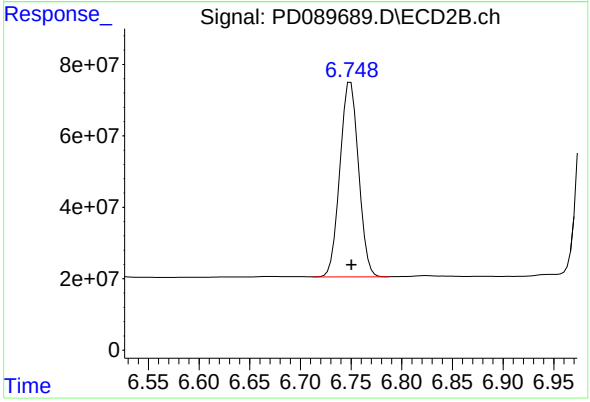
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 1313608865
Conc: 72.43 ng/ml



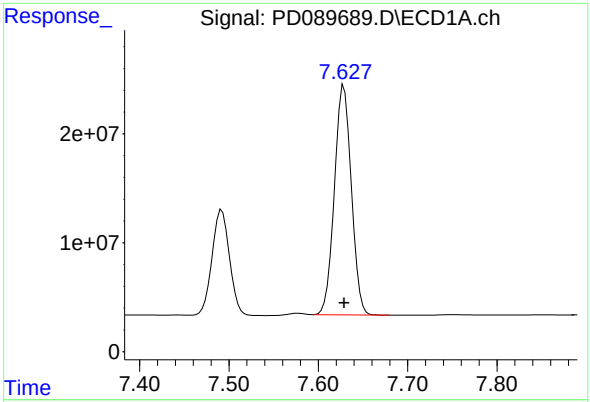
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 131318882
Conc: 73.89 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 697255608
Conc: 71.86 ng/ml



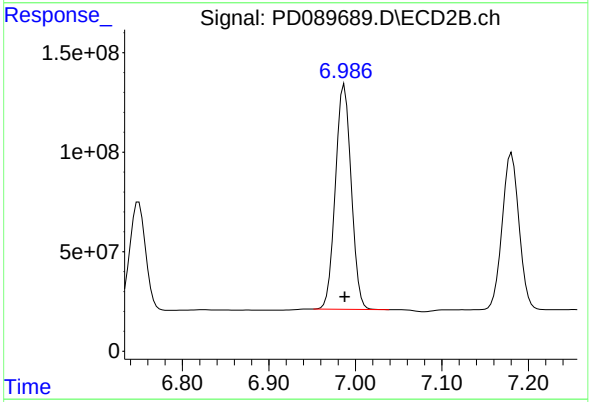
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 277474895
Conc: 74.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

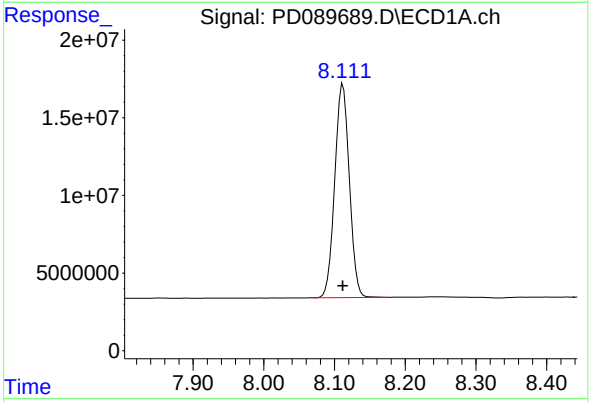
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



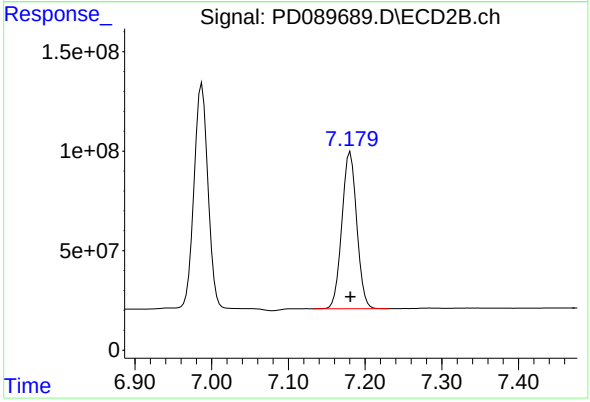
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1426764842
Conc: 72.28 ng/ml



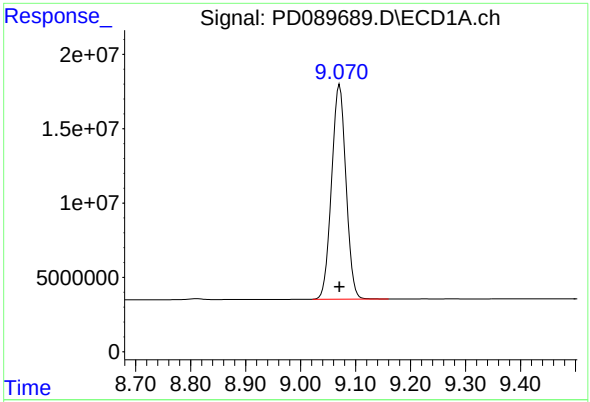
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 197203191
Conc: 72.81 ng/ml



#22 Mirex

R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 1065346353
Conc: 71.86 ng/ml



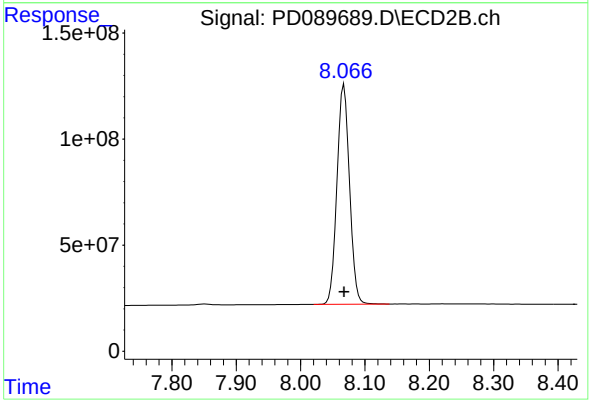
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 262496192
Conc: 72.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 1406423073
Conc: 71.70 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:14
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.878	122.8E6	772.9E6	50.000	50.000
28)	SA Decachlor...	9.071	8.068	181.0E6	980.7E6	50.000	50.000
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	253.4E6	1198.6E6	50.000	50.000
3)	MA gamma-BHC...	4.328	3.726	241.1E6	1106.9E6	50.000	50.000
4)	MA Heptachlor	4.927	4.079	241.9E6	1136.6E6	50.000	50.000
5)	MB Aldrin	5.269	4.365	230.1E6	1093.6E6	50.000	50.000
6)	B beta-BHC	4.514	4.022	91190240	470.1E6	50.000	50.000
7)	B delta-BHC	4.763	4.259	233.8E6	1116.9E6	50.000	50.000
8)	B Heptachlo...	5.689	4.869	207.4E6	1004.8E6	50.000	50.000
9)	A Endosulfan I	6.072	5.243	197.0E6	954.8E6	50.000	50.000
10)	B gamma-Chl...	5.944	5.122	208.3E6	1059.1E6	50.000	50.000
11)	B alpha-Chl...	6.025	5.186	208.9E6	1015.5E6	50.000	50.000
12)	B 4,4'-DDE	6.194	5.371	187.5E6	1036.6E6	50.000	50.000
13)	MA Dieldrin	6.345	5.509	211.9E6	1061.9E6	50.000	50.000
14)	MA Endrin	6.572	5.785	179.3E6	969.9E6	50.000	50.000
15)	B Endosulfa...	6.784	6.077	180.1E6	919.8E6	50.000	50.000
16)	A 4,4'-DDD	6.704	5.925	150.0E6	867.7E6	50.000	50.000
17)	MA 4,4'-DDT	7.019	6.179	168.5E6	922.6E6	50.000	50.000
18)	B Endrin al...	6.913	6.255	123.5E6	635.6E6	50.000	50.000
19)	B Endosulfa...	7.148	6.478	171.6E6	906.8E6	50.000	50.000
20)	A Methoxychlor	7.492	6.750	88865799	485.1E6	50.000	50.000
21)	B Endrin ke...	7.629	6.988	185.0E6	987.0E6	50.000	50.000
22)	Mirex	8.112	7.181	135.4E6	741.3E6	50.000	50.000

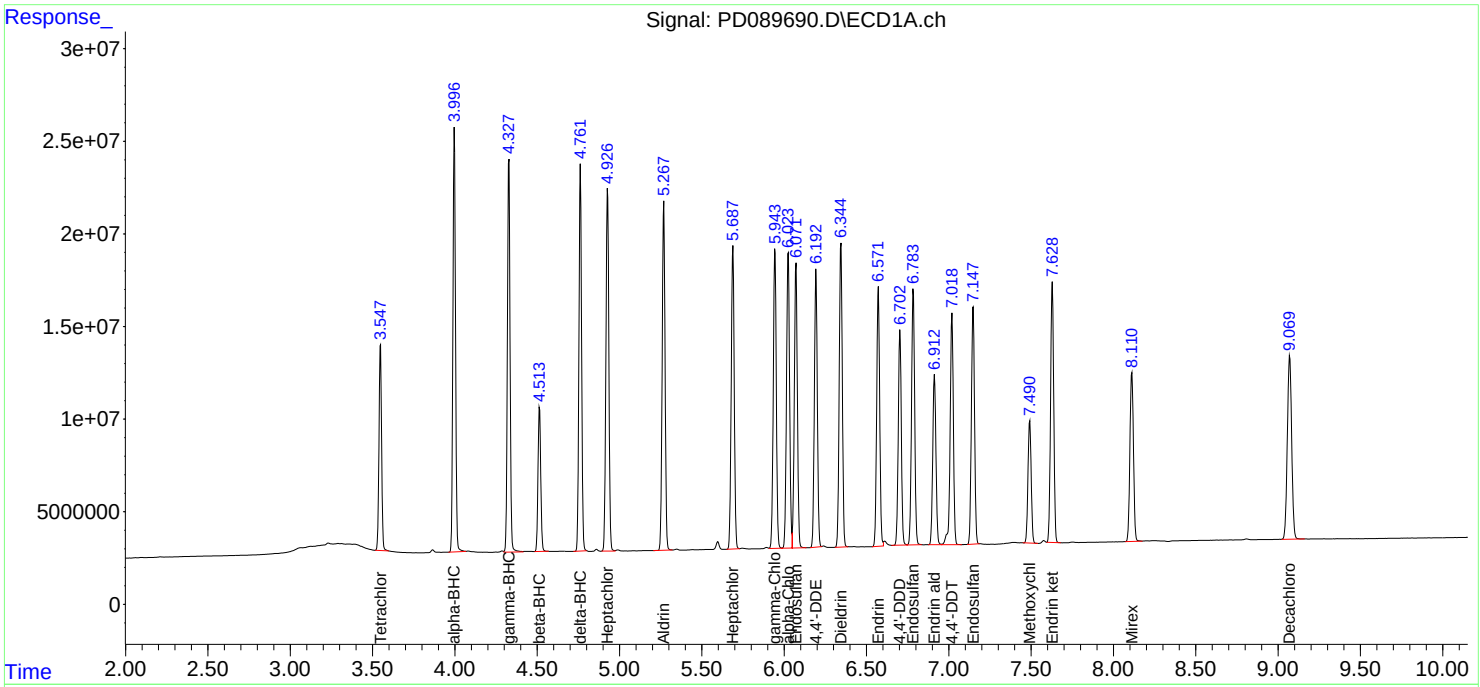
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

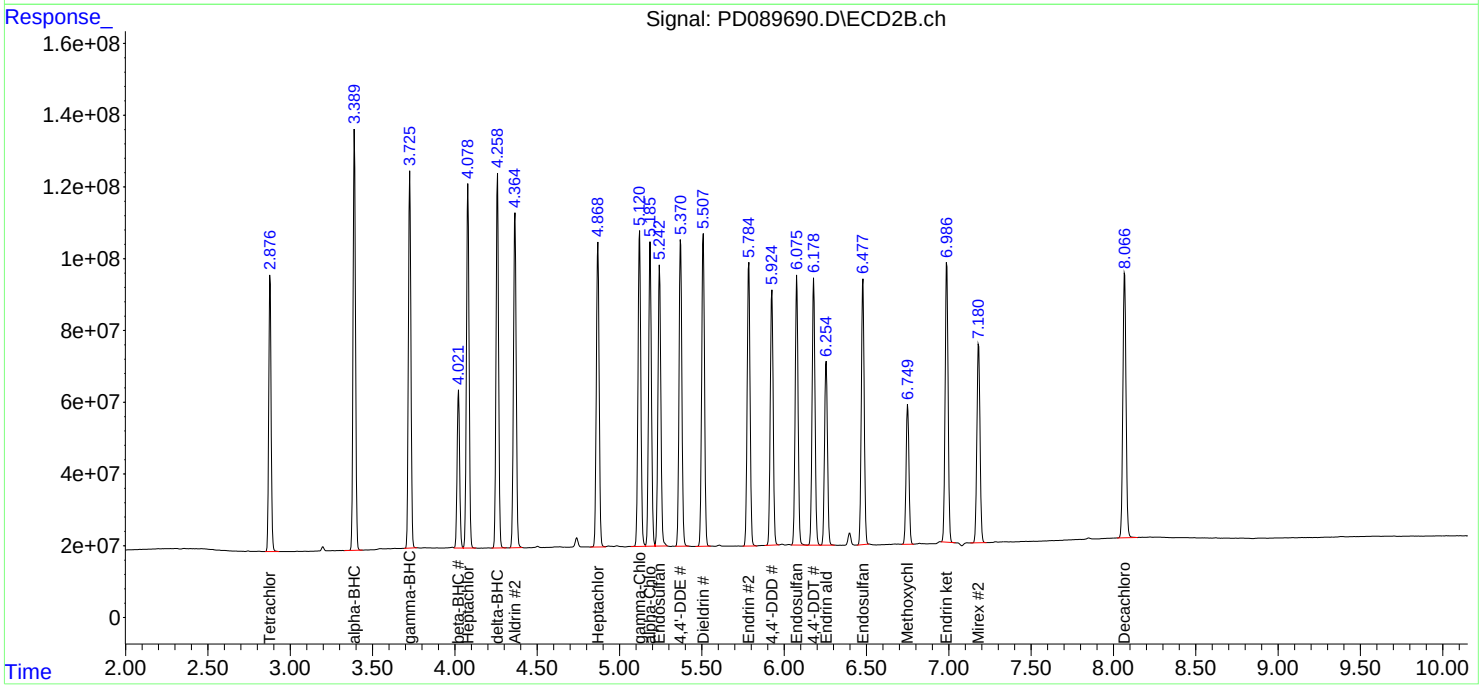
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:14
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

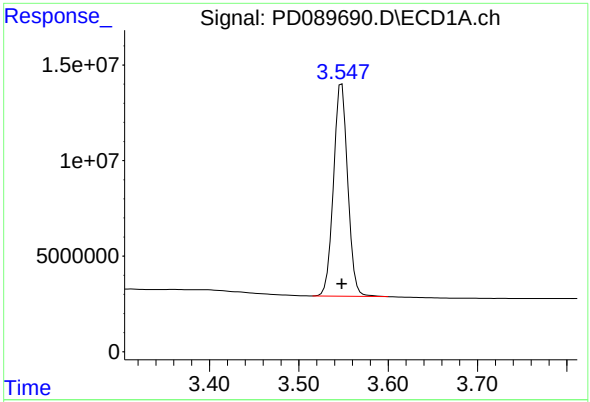
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



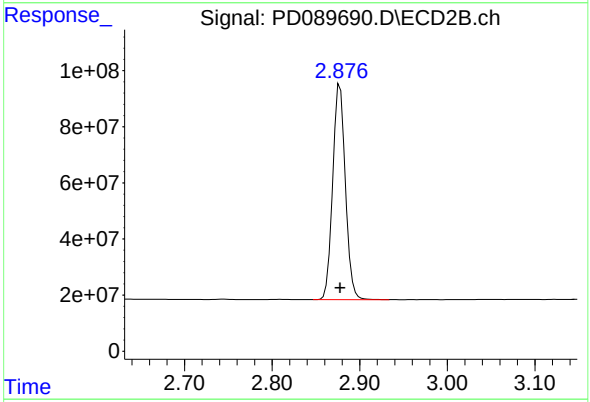




#1 Tetrachloro-m-xylene

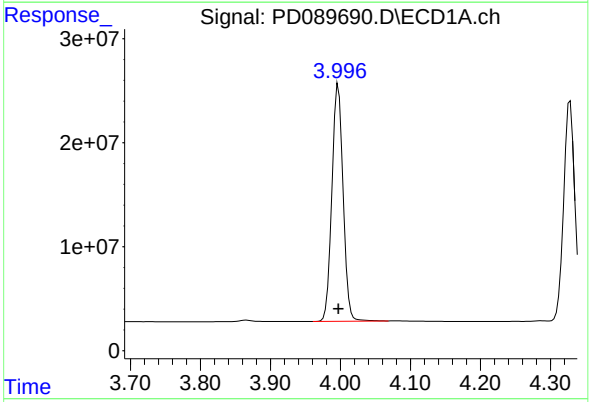
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 122830086
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



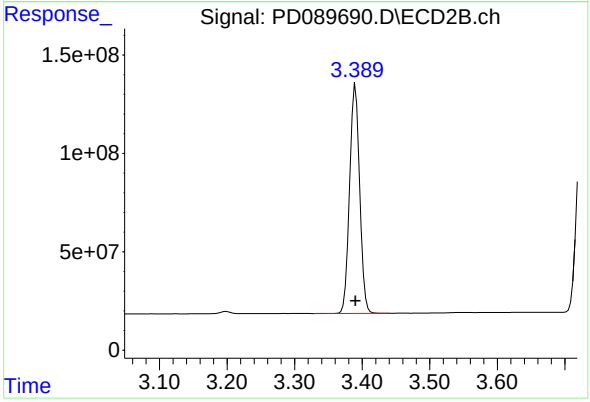
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 772883545
Conc: 50.00 ng/ml



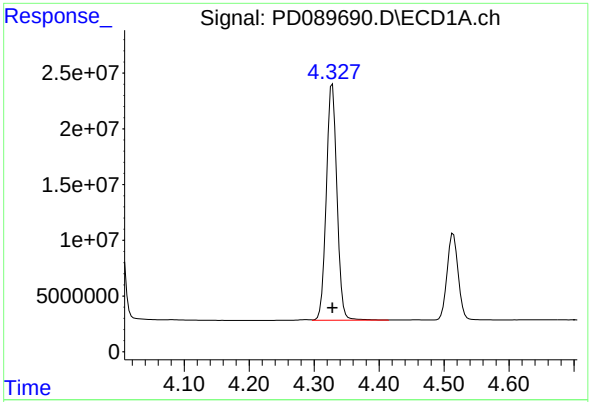
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 253394488
Conc: 50.00 ng/ml



#2 alpha-BHC

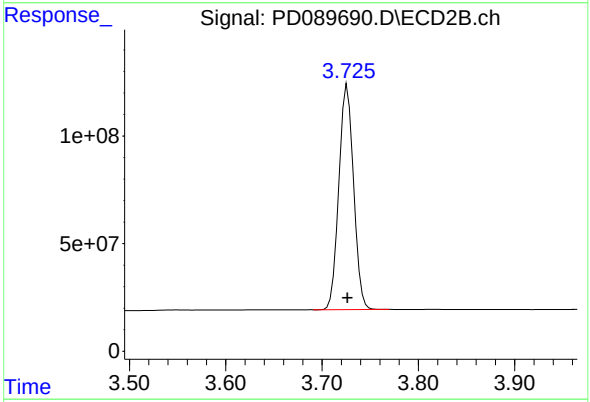
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1198641970
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

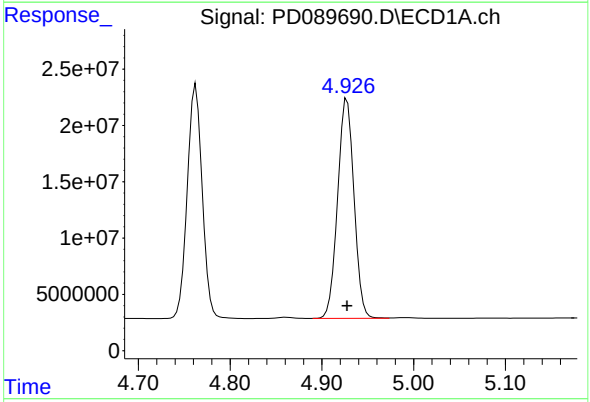
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 241073823
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



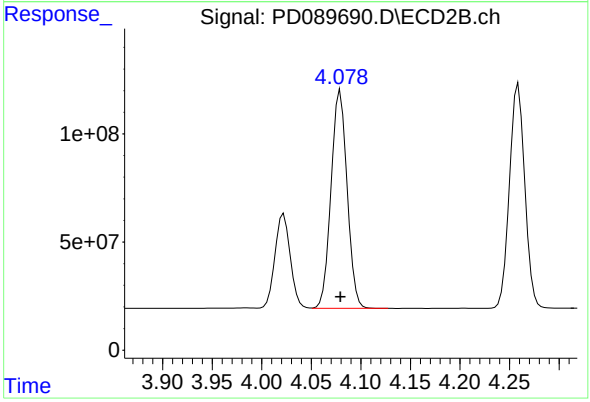
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1106900713
Conc: 50.00 ng/ml



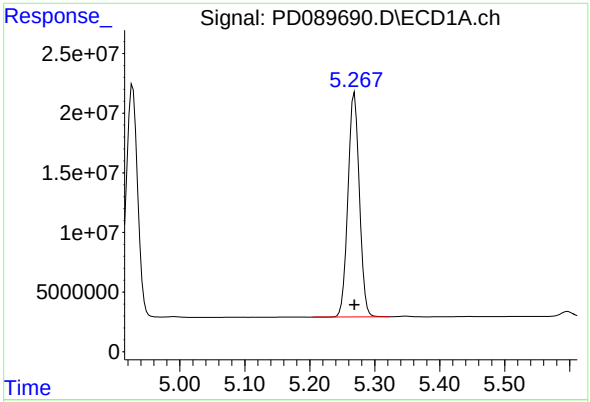
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 241918223
Conc: 50.00 ng/ml



#4 Heptachlor

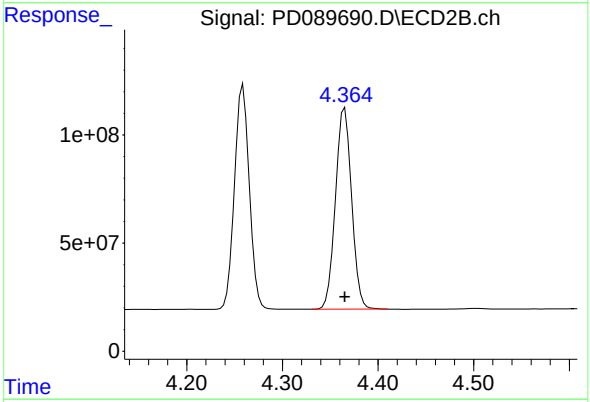
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1136591329
Conc: 50.00 ng/ml



#5 Aldrin

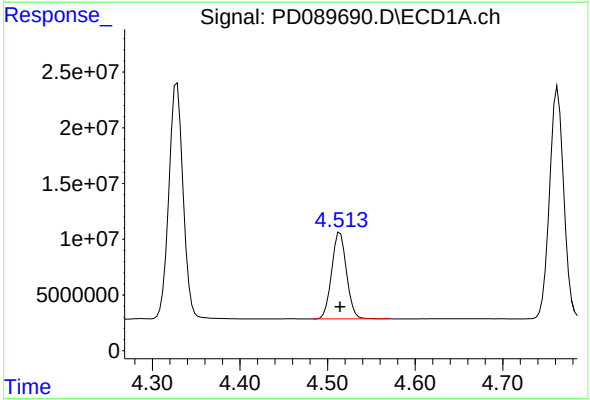
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 230092896
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



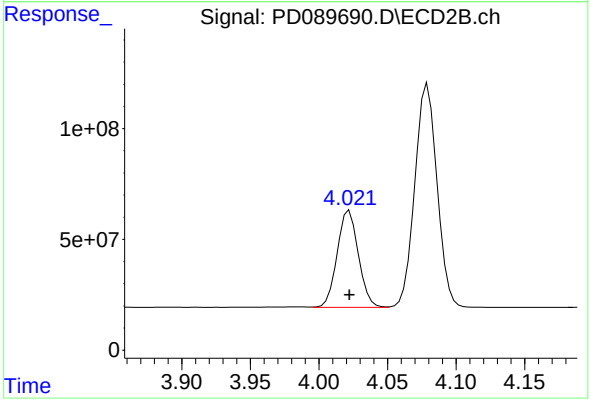
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1093563839
Conc: 50.00 ng/ml



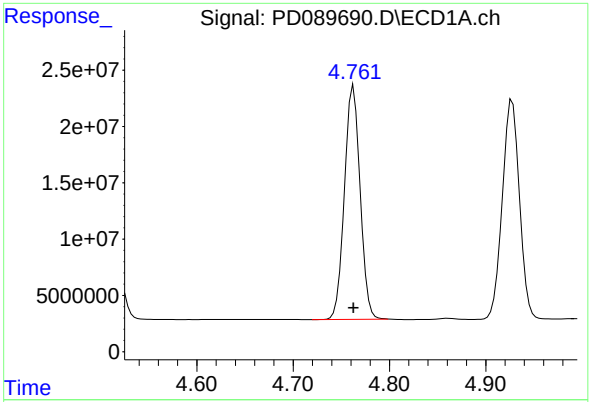
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 91190240
Conc: 50.00 ng/ml



#6 beta-BHC

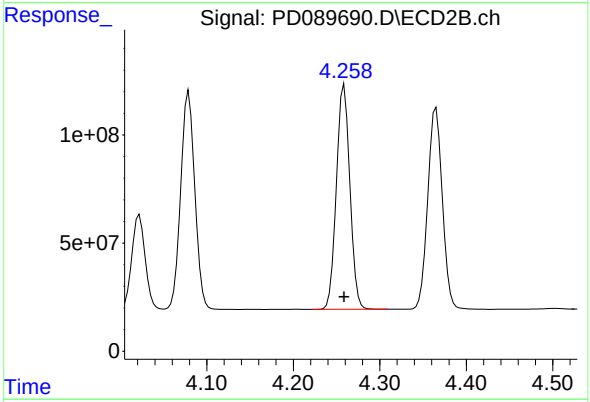
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 470081882
Conc: 50.00 ng/ml



#7 delta-BHC

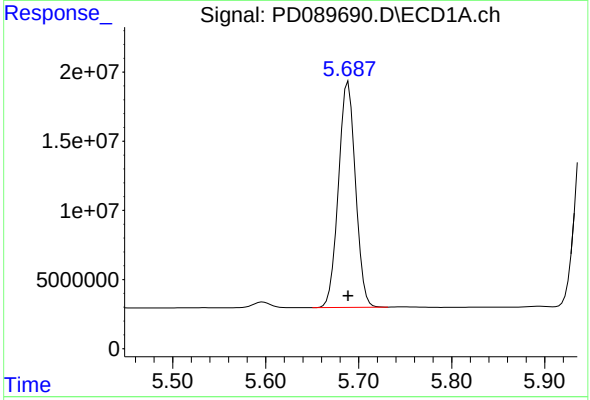
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 233839420
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



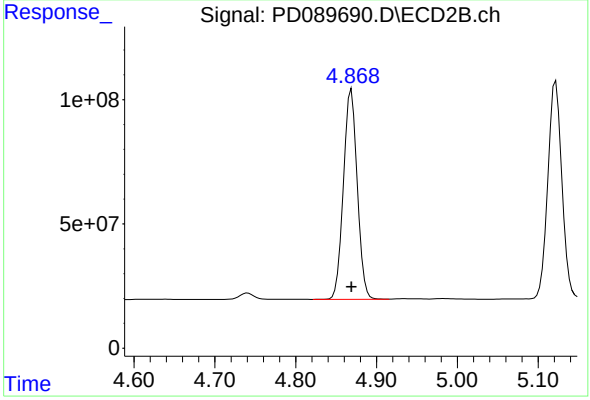
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1116880055
Conc: 50.00 ng/ml



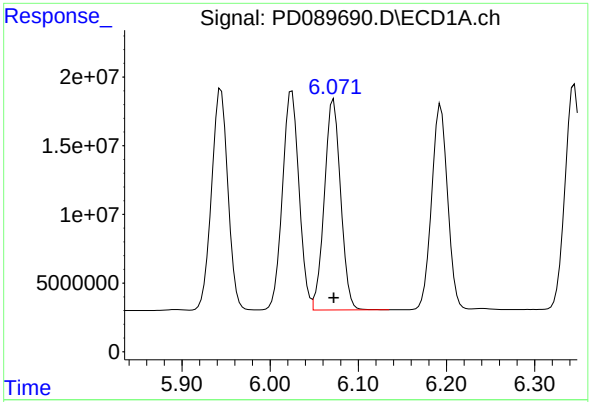
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 207442367
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

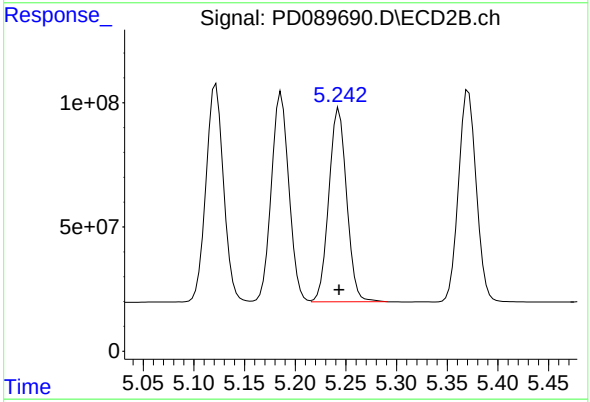
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1004808747
Conc: 50.00 ng/ml



#9 Endosulfan I

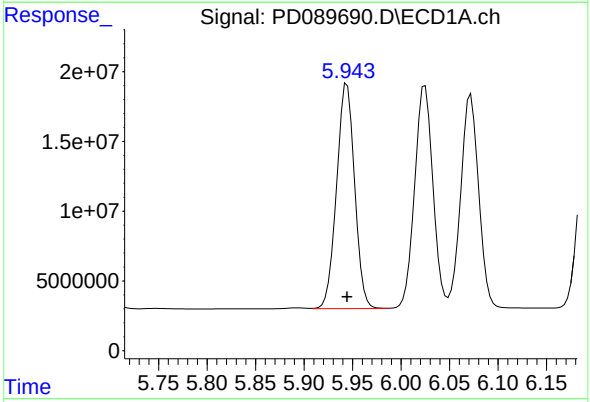
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 197009900
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



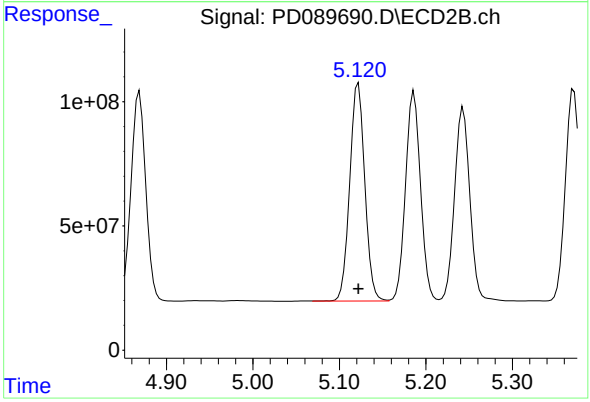
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 954750039
Conc: 50.00 ng/ml



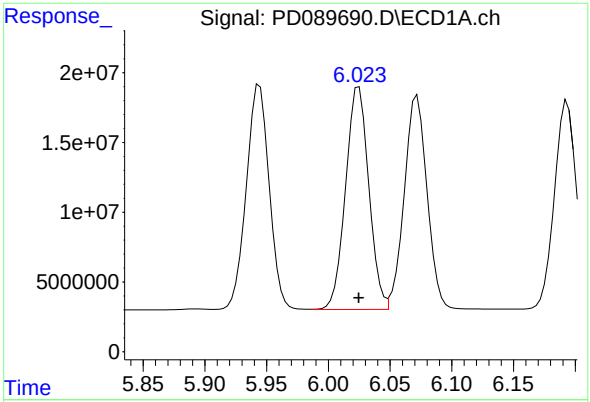
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 208341305
Conc: 50.00 ng/ml



#10 gamma-Chlordane

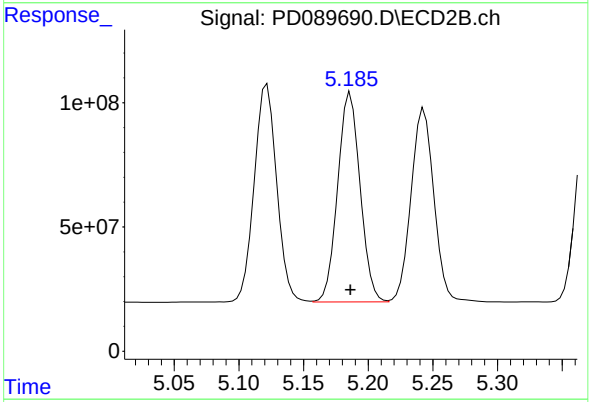
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1059136816
Conc: 50.00 ng/ml



#11 alpha-Chlordane

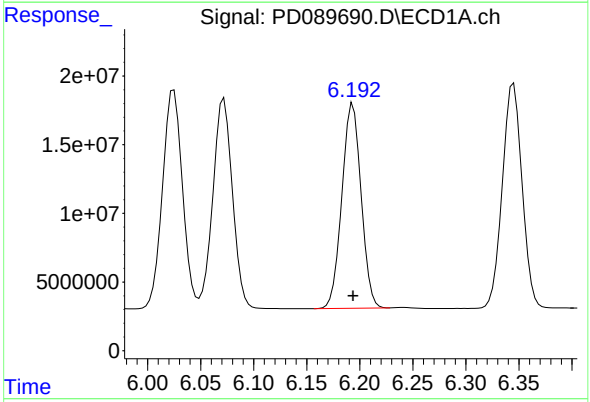
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 208873231
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



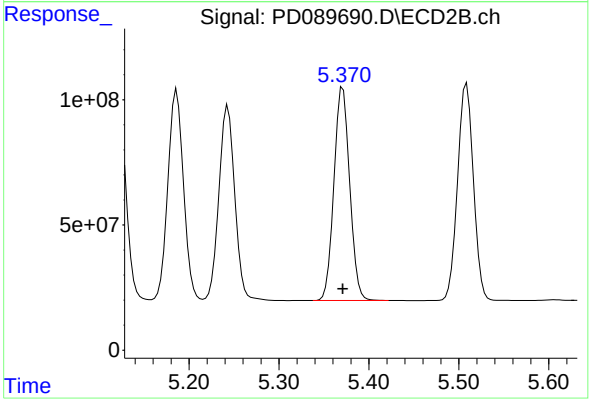
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1015534046
Conc: 50.00 ng/ml



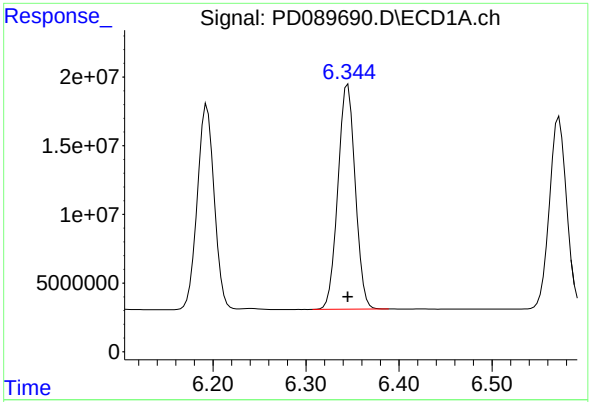
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 187481540
Conc: 50.00 ng/ml



#12 4,4'-DDE

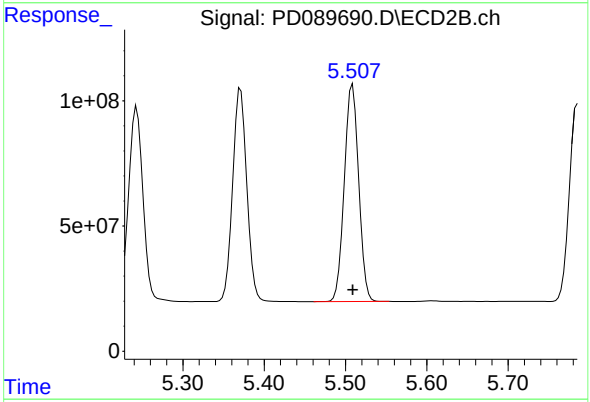
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1036638063
Conc: 50.00 ng/ml



#13 Dieldrin

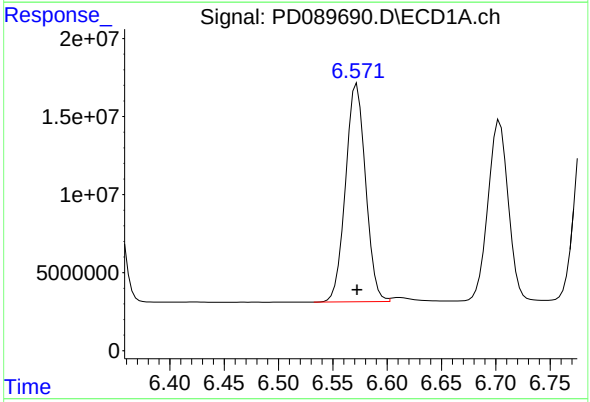
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 211890334
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



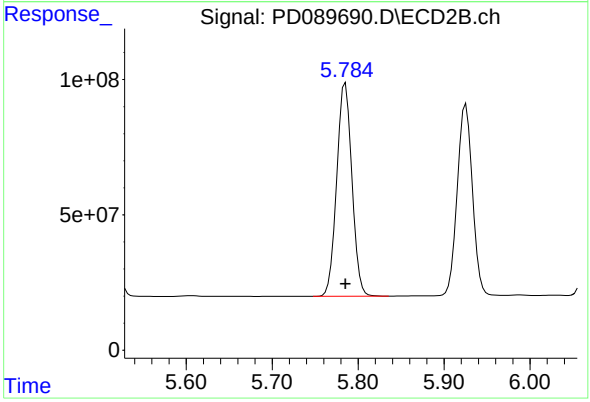
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1061898532
Conc: 50.00 ng/ml



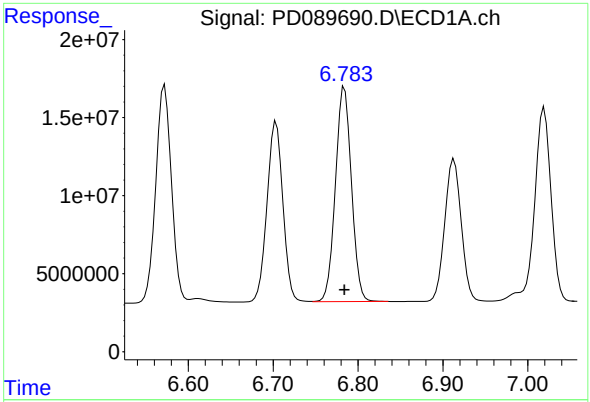
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 179266175
Conc: 50.00 ng/ml



#14 Endrin

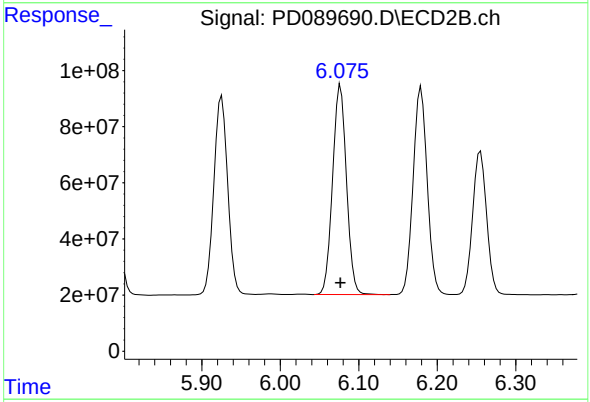
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 969867397
Conc: 50.00 ng/ml



#15 Endosulfan II

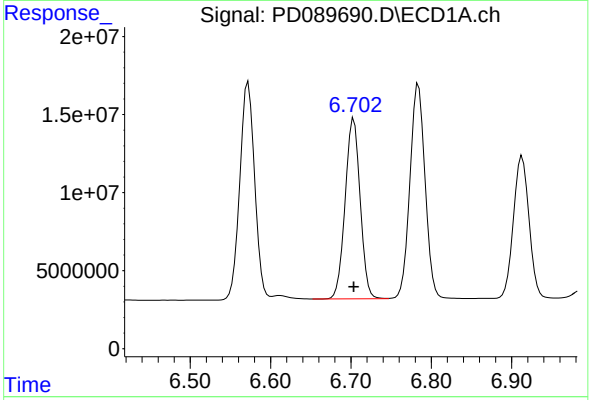
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 180123190
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



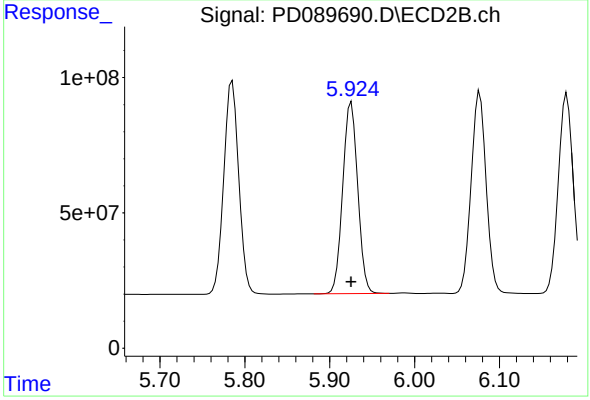
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 919760556
Conc: 50.00 ng/ml



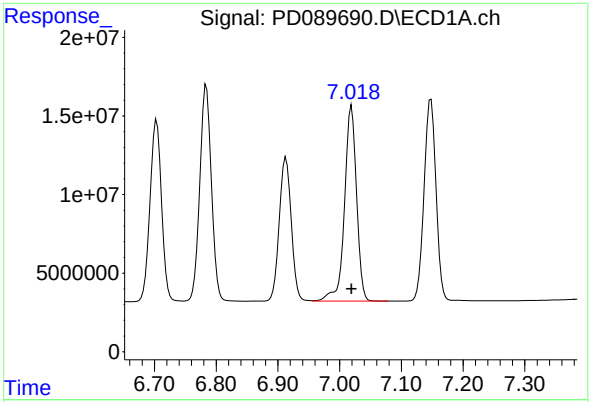
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 149997032
Conc: 50.00 ng/ml



#16 4,4'-DDD

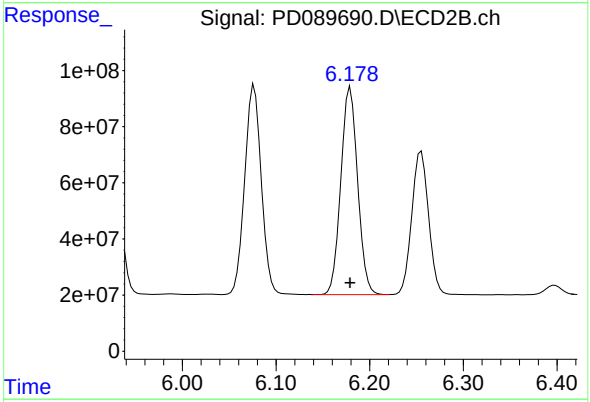
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 867744674
Conc: 50.00 ng/ml



#17 4,4'-DDT

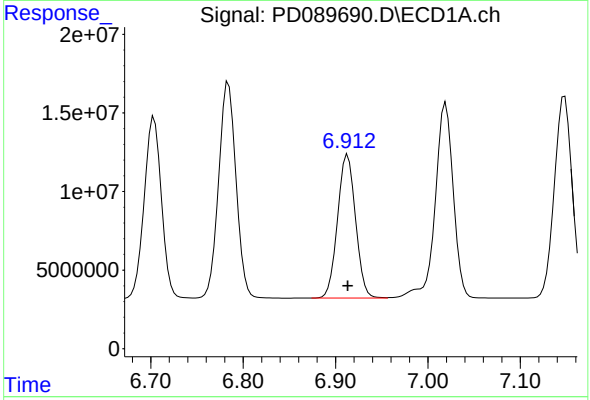
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 168544480
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



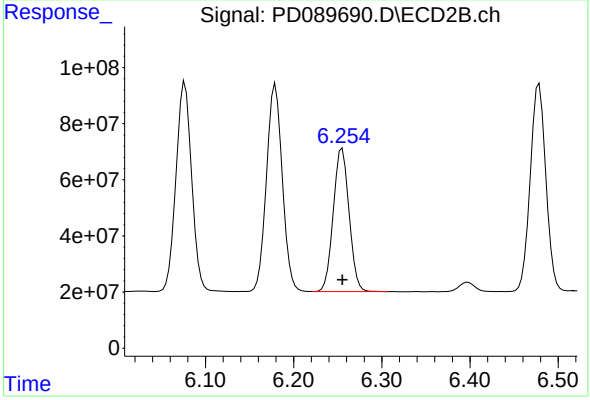
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 922635021
Conc: 50.00 ng/ml



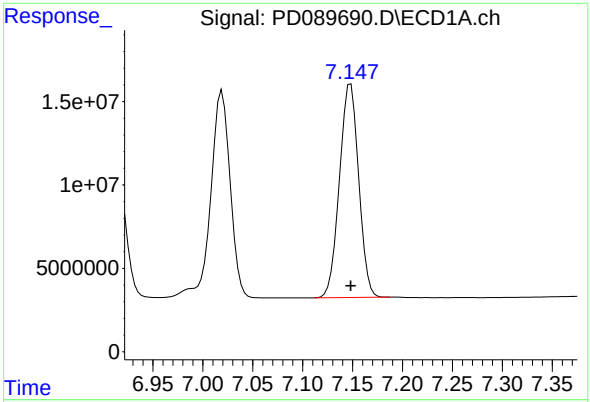
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 123462328
Conc: 50.00 ng/ml



#18 Endrin aldehyde

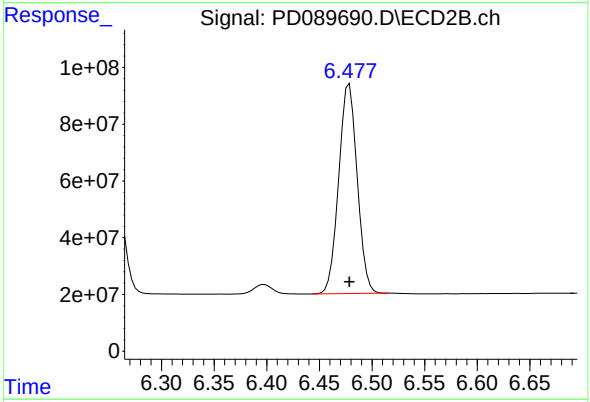
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 635647005
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

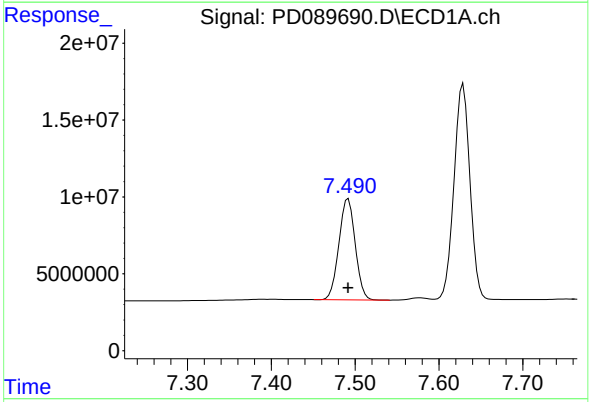
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 171623825
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



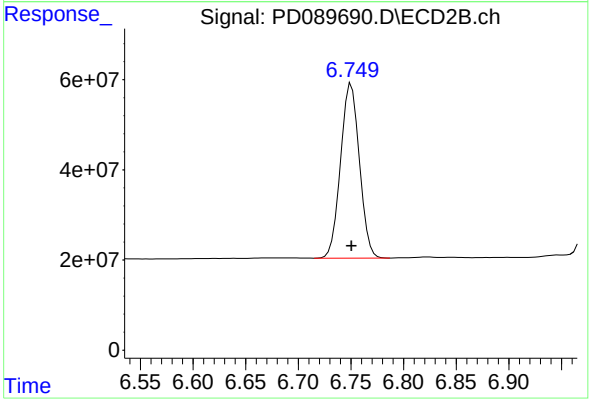
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 906846696
Conc: 50.00 ng/ml



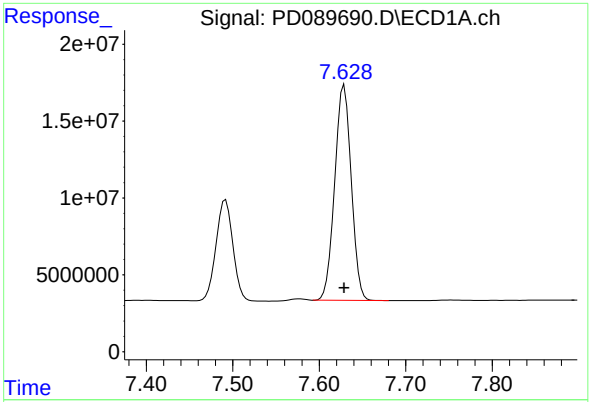
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 88865799
Conc: 50.00 ng/ml



#20 Methoxychlor

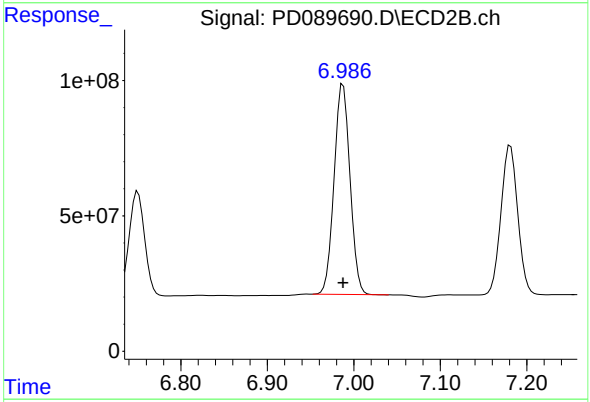
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 485134411
Conc: 50.00 ng/ml



#21 Endrin ketone

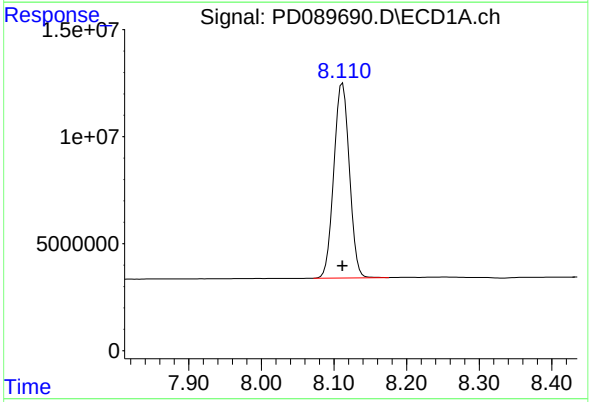
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 185036175
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



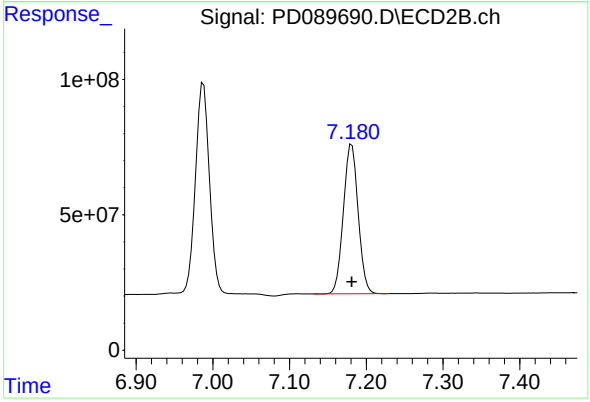
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 987001842
Conc: 50.00 ng/ml



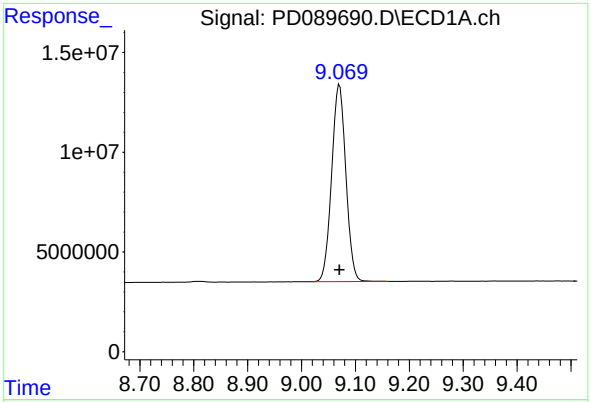
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 135431389
Conc: 50.00 ng/ml



#22 Mirex

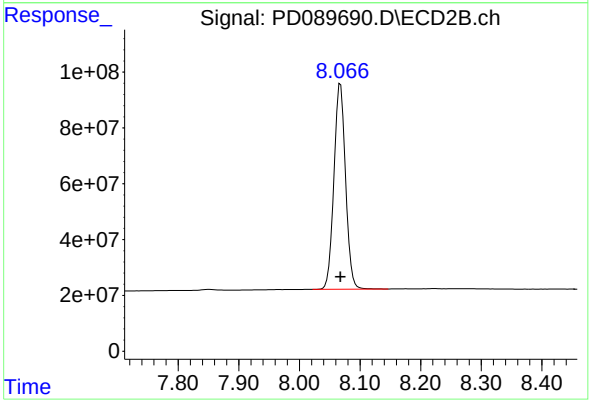
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 741282206
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 180973095
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 980736579
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:28
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.878	60086888	395.6E6	24.459	25.594
28)	SA Decachlor...	9.070	8.068	93155610	502.3E6	25.737	25.611
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	115.9E6	602.6E6	22.877	25.138
3)	MA gamma-BHC...	4.328	3.726	112.0E6	560.3E6	23.240	25.309
4)	MA Heptachlor	4.927	4.079	114.0E6	579.4E6	23.566	25.490
5)	MB Aldrin	5.268	4.365	108.2E6	556.5E6	23.508	25.445
6)	B beta-BHC	4.515	4.022	45165459	242.6E6	24.764	25.805
7)	B delta-BHC	4.763	4.259	107.4E6	564.0E6	22.958	25.251
8)	B Heptachlo...	5.688	4.869	99446385	517.2E6	23.970	25.737
9)	A Endosulfan I	6.072	5.243	95423575	490.8E6	24.218	25.703
10)	B gamma-Chl...	5.944	5.122	99925801	541.3E6	23.981	25.556
11)	B alpha-Chl...	6.024	5.186	101.2E6	520.3E6	24.230	25.616
12)	B 4,4'-DDE	6.193	5.372	88194803	529.6E6	23.521	25.544
13)	MA Dieldrin	6.344	5.509	100.3E6	540.2E6	23.678	25.437
14)	MA Endrin	6.572	5.786	84843783	493.4E6	23.664	25.438
15)	B Endosulfa...	6.784	6.077	88566720	470.7E6	24.585	25.586
16)	A 4,4'-DDD	6.703	5.926	71191879	441.6E6	23.731	25.443
17)	MA 4,4'-DDT	7.019	6.179	80141596	460.3E6	23.775	24.945
18)	B Endrin al...	6.913	6.255	60887538	325.1E6	24.658	25.572
19)	B Endosulfa...	7.148	6.479	83927332	464.7E6	24.451	25.620
20)	A Methoxychlor	7.491	6.750	44254083	248.8E6	24.899	25.639
21)	B Endrin ke...	7.628	6.988	90082871	504.5E6	24.342	25.556
22)	Mirex	8.111	7.181	69660388	385.5E6	25.718	26.005

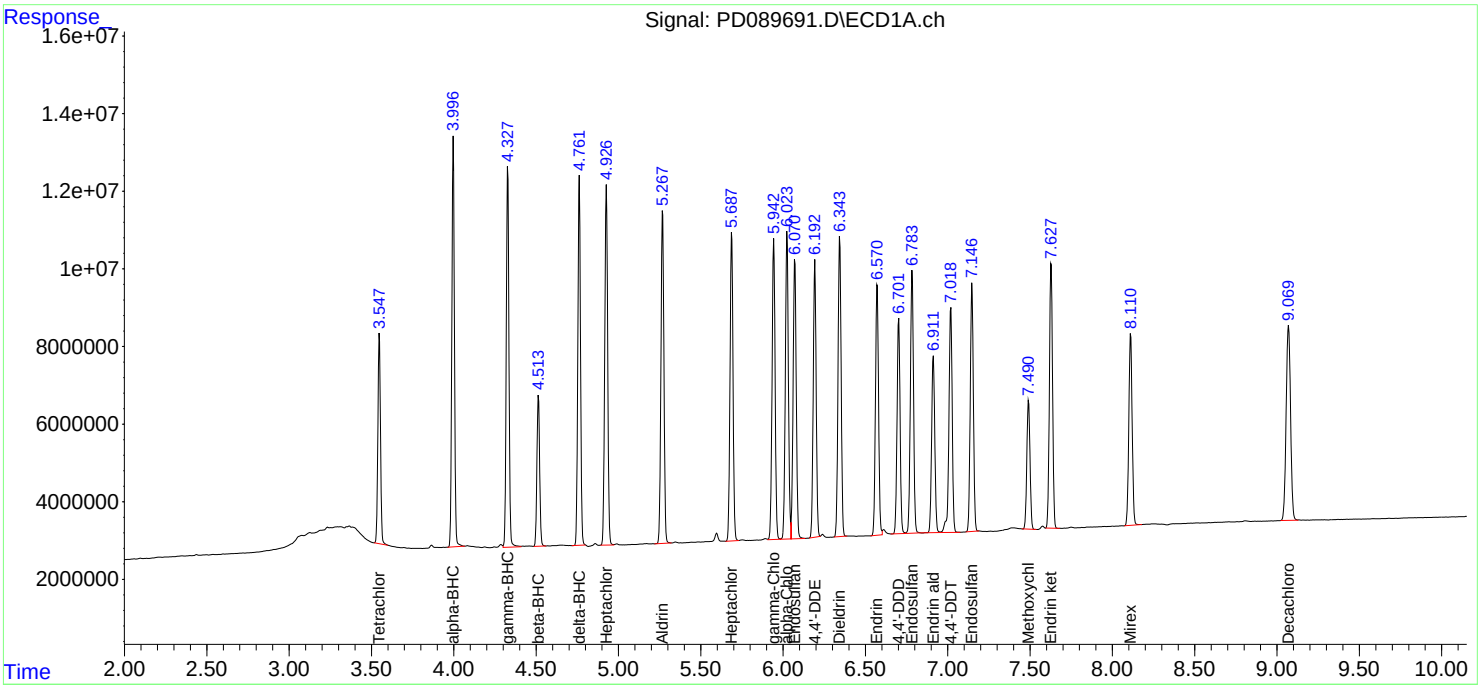
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

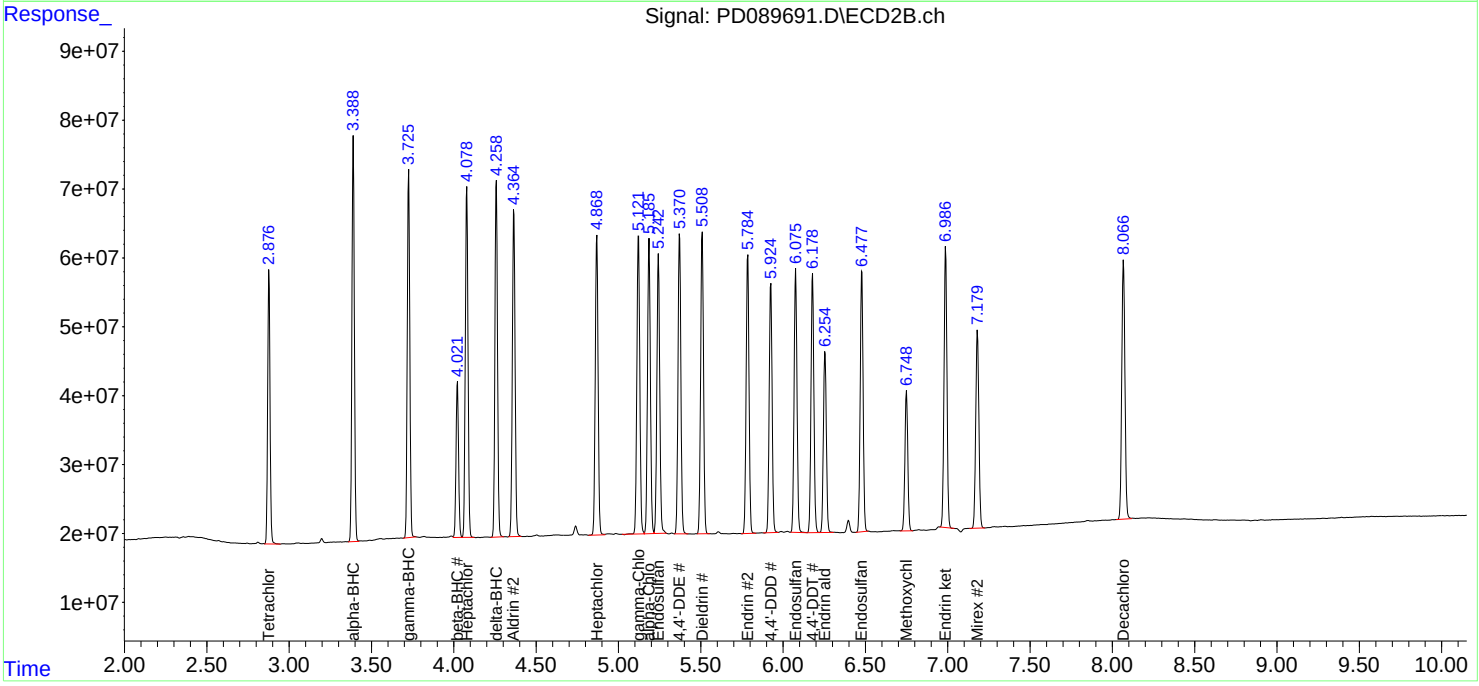
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:28
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

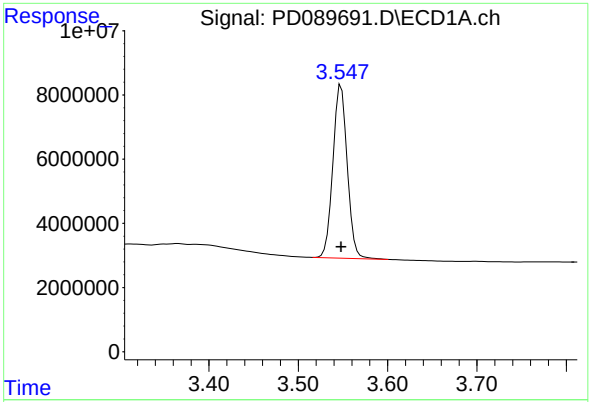
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



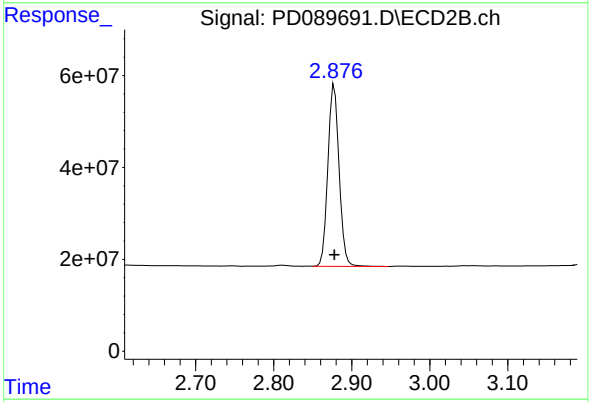




#1 Tetrachloro-m-xylene

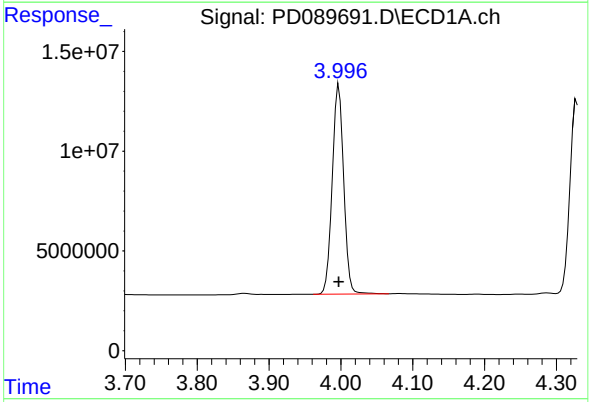
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 60086888
Conc: 24.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



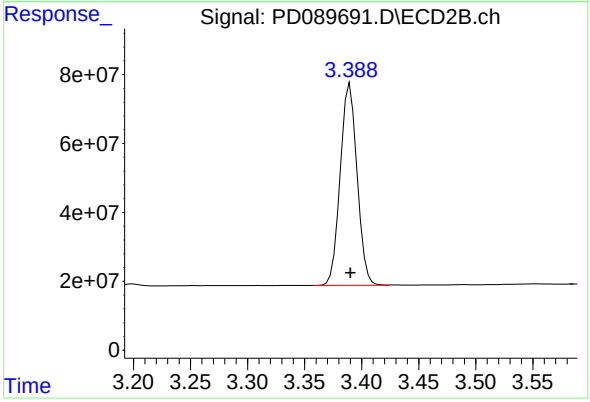
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 395623124
Conc: 25.59 ng/ml



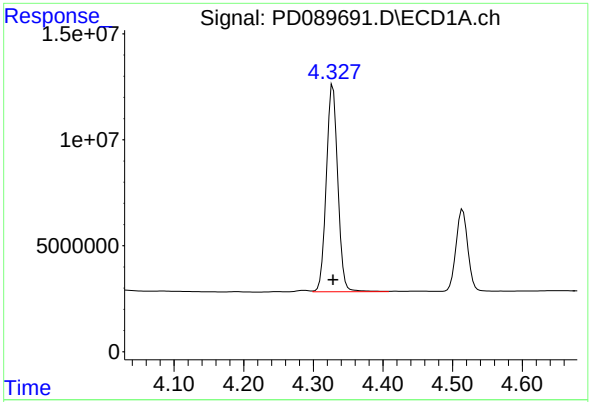
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 115939093
Conc: 22.88 ng/ml



#2 alpha-BHC

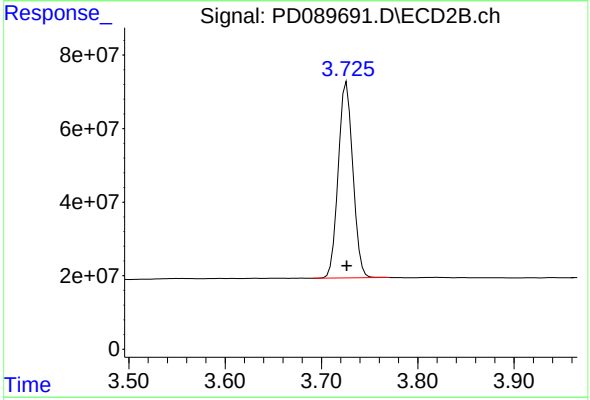
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 602632817
Conc: 25.14 ng/ml



#3 gamma-BHC (Lindane)

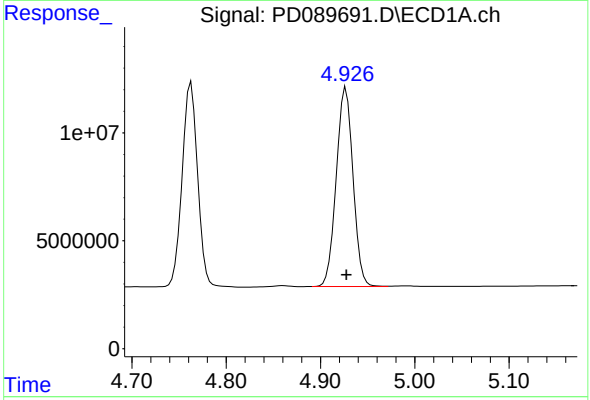
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 112049912
Conc: 23.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



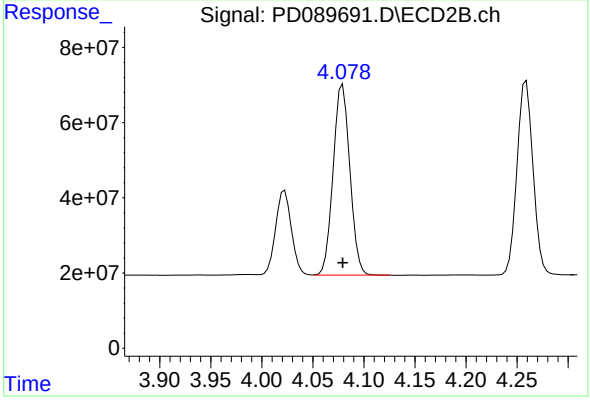
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 560301266
Conc: 25.31 ng/ml



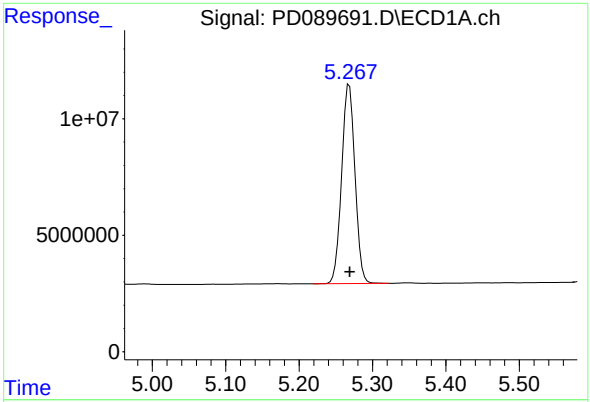
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 114019421
Conc: 23.57 ng/ml



#4 Heptachlor

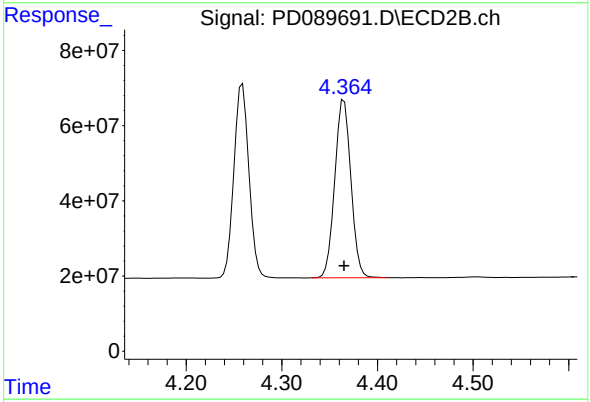
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 579441430
Conc: 25.49 ng/ml



#5 Aldrin

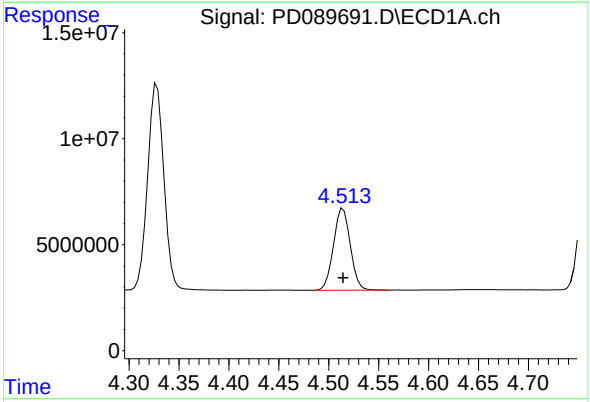
R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 108182482
Conc: 23.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



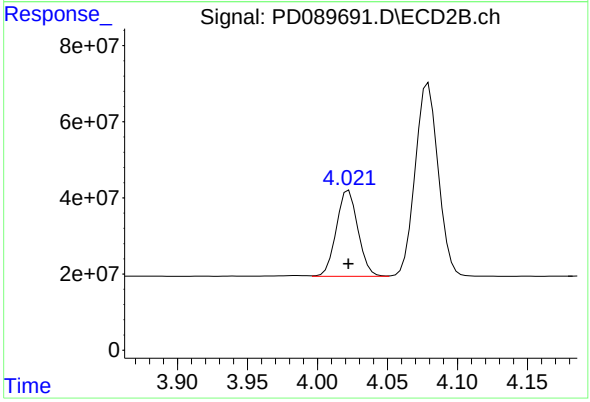
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 556523821
Conc: 25.45 ng/ml



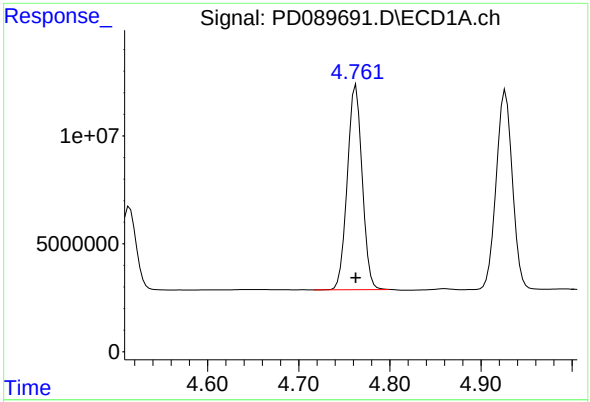
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 45165459
Conc: 24.76 ng/ml



#6 beta-BHC

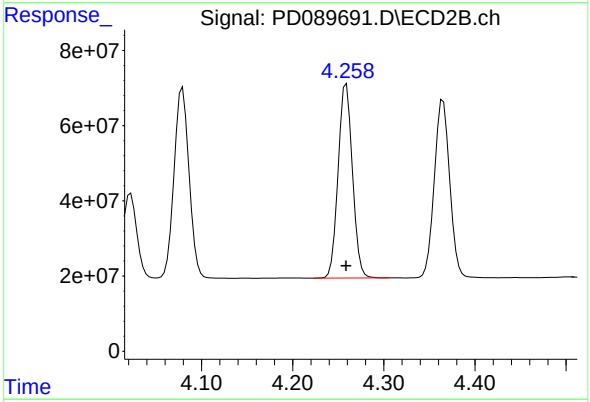
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 242608019
Conc: 25.80 ng/ml



#7 delta-BHC

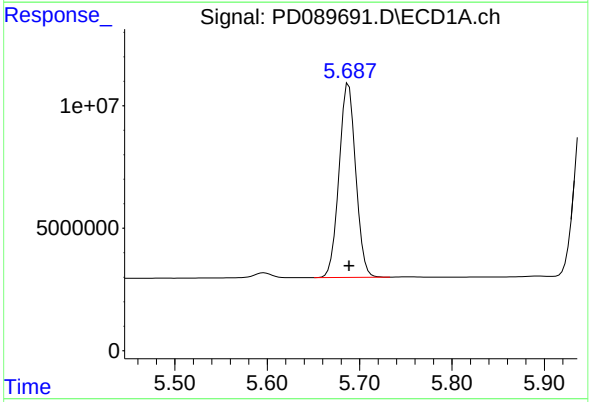
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 107368428
Conc: 22.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



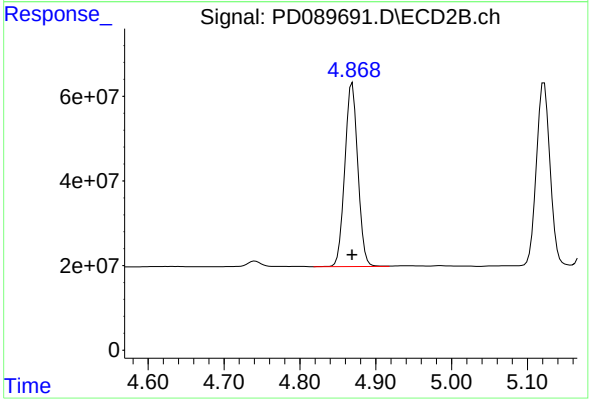
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 564036772
Conc: 25.25 ng/ml



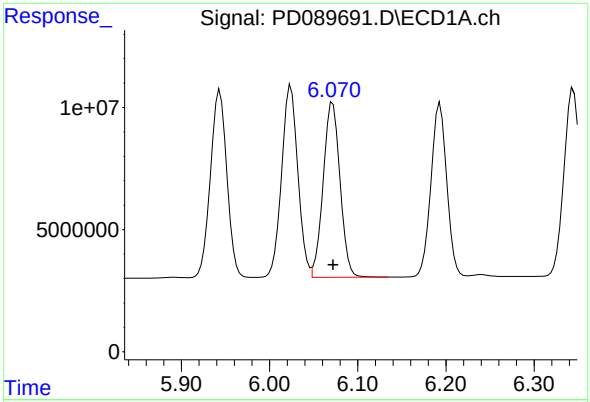
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 99446385
Conc: 23.97 ng/ml



#8 Heptachlor epoxide

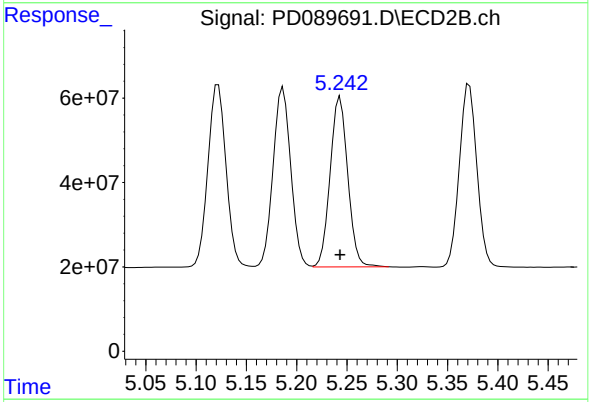
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 517209380
Conc: 25.74 ng/ml



#9 Endosulfan I

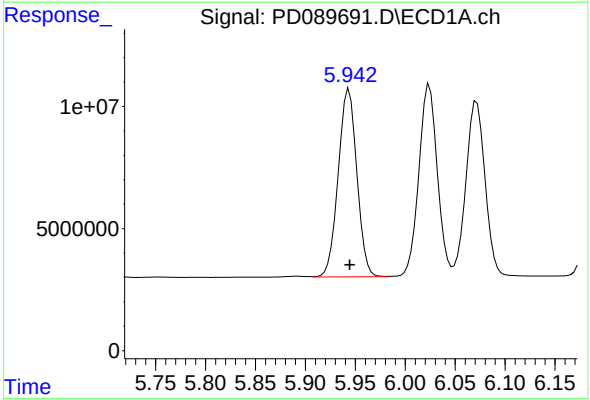
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 95423575
Conc: 24.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



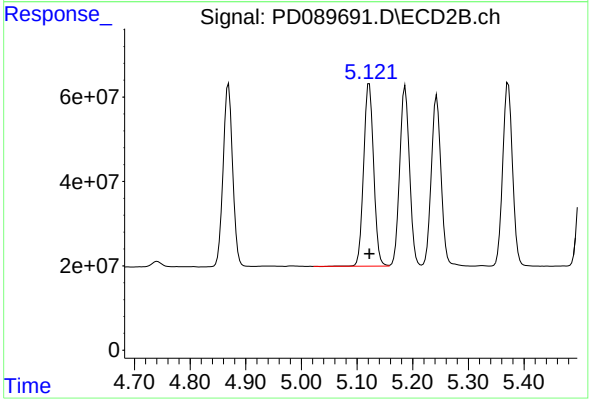
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 490793220
Conc: 25.70 ng/ml



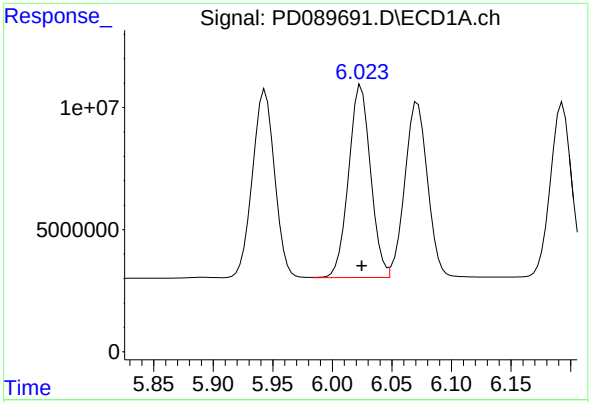
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 99925801
Conc: 23.98 ng/ml



#10 gamma-Chlordane

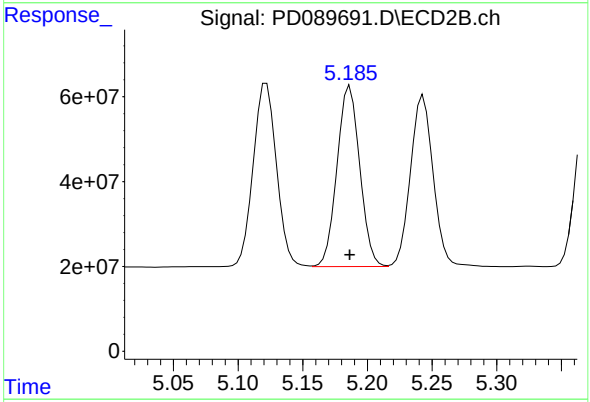
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 541342923
Conc: 25.56 ng/ml



#11 alpha-Chlordane

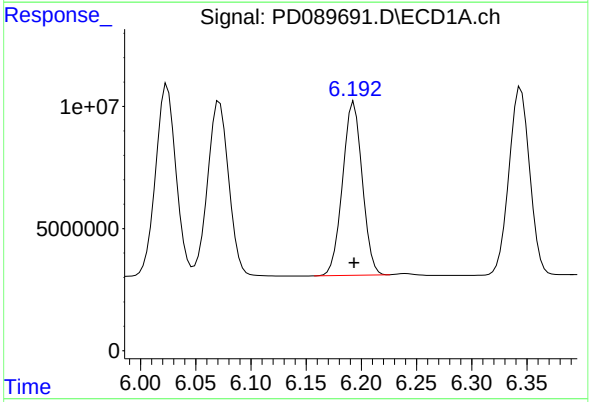
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 101220980
Conc: 24.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



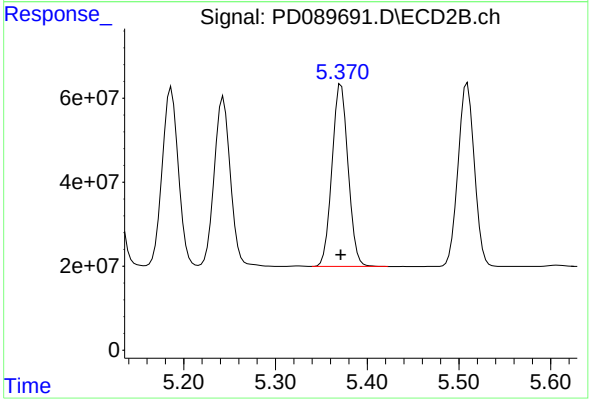
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 520280911
Conc: 25.62 ng/ml



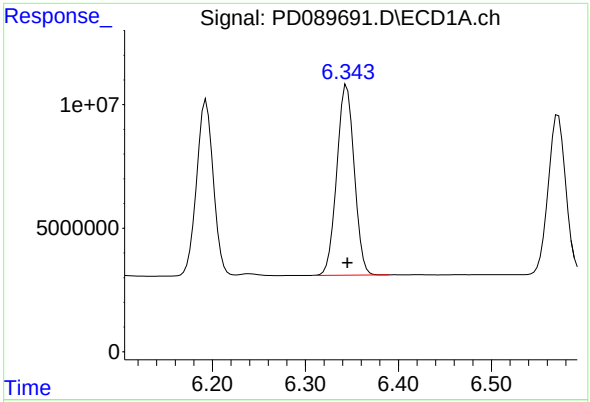
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 88194803
Conc: 23.52 ng/ml



#12 4,4'-DDE

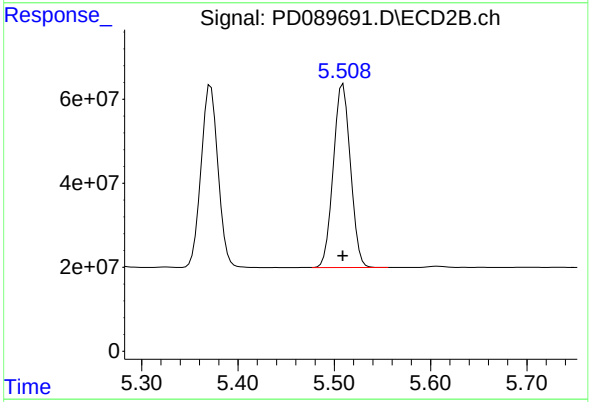
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 529594225
Conc: 25.54 ng/ml



#13 Dieldrin

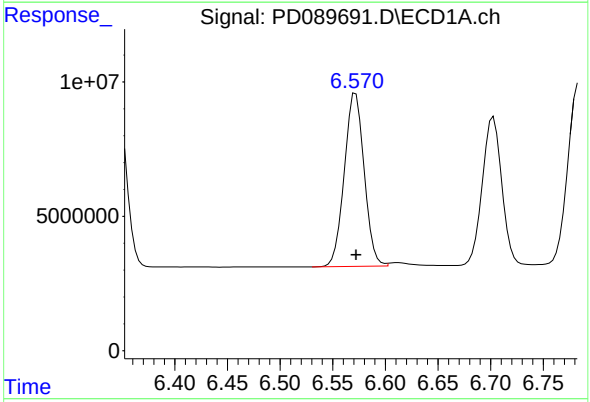
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 100342362
Conc: 23.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



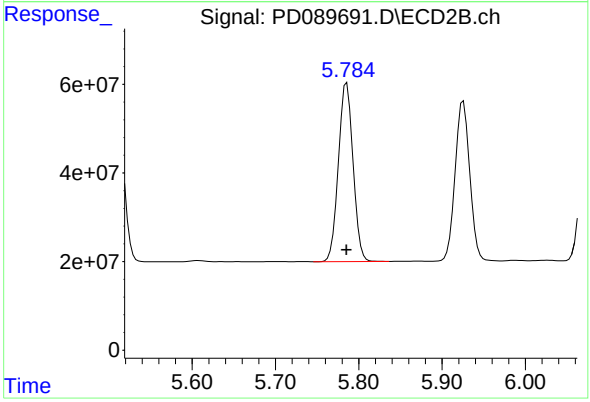
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 540239142
Conc: 25.44 ng/ml



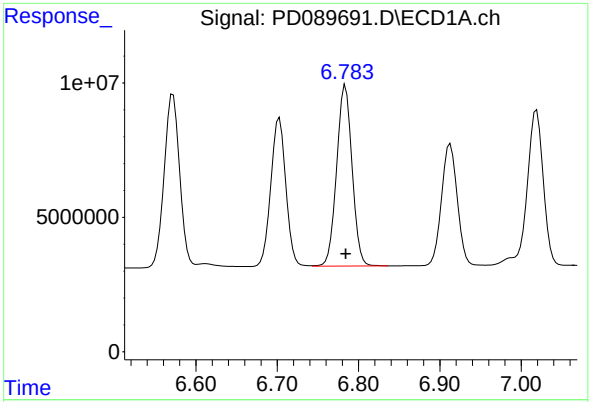
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 84843783
Conc: 23.66 ng/ml



#14 Endrin

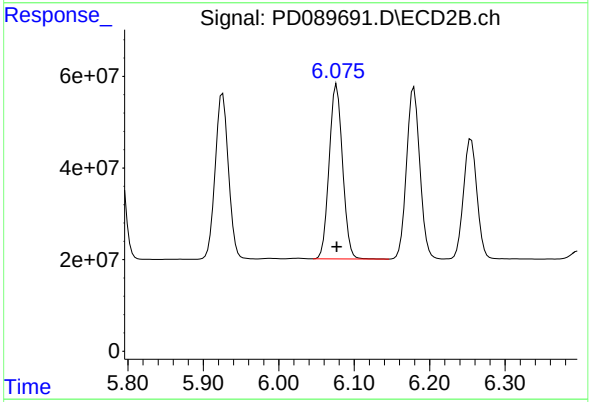
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 493436224
Conc: 25.44 ng/ml



#15 Endosulfan II

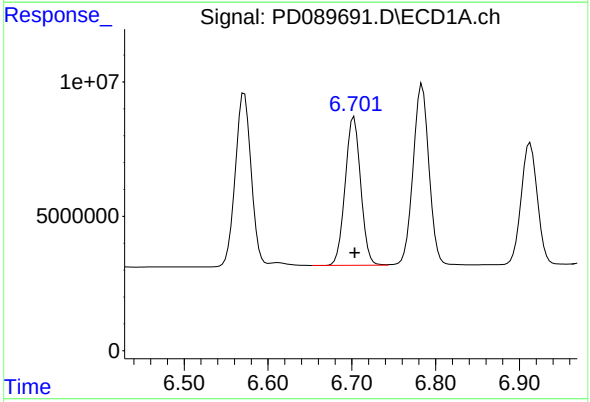
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 88566720
Conc: 24.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



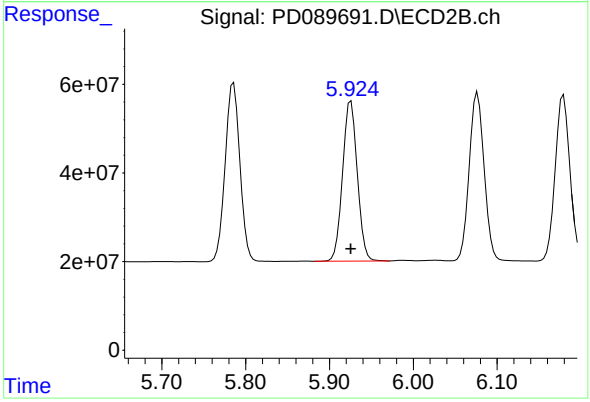
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 470654542
Conc: 25.59 ng/ml



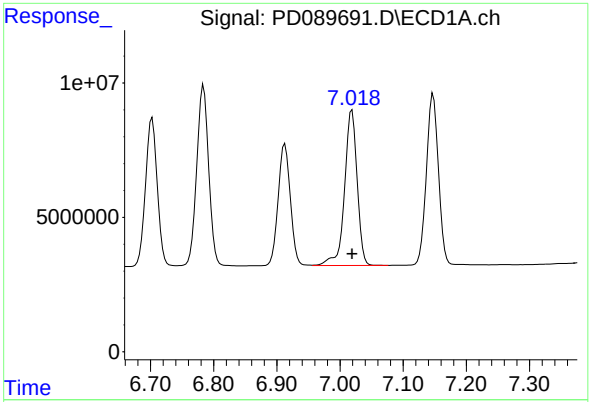
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 71191879
Conc: 23.73 ng/ml



#16 4,4'-DDD

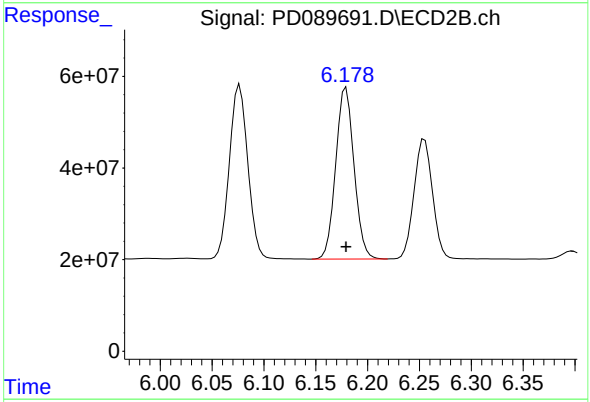
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 441554467
Conc: 25.44 ng/ml



#17 4,4'-DDT

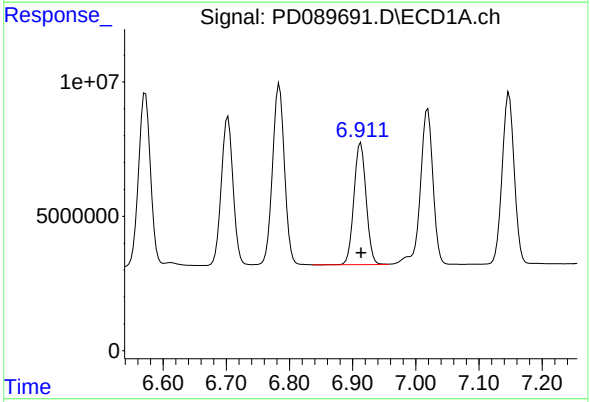
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 80141596
Conc: 23.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



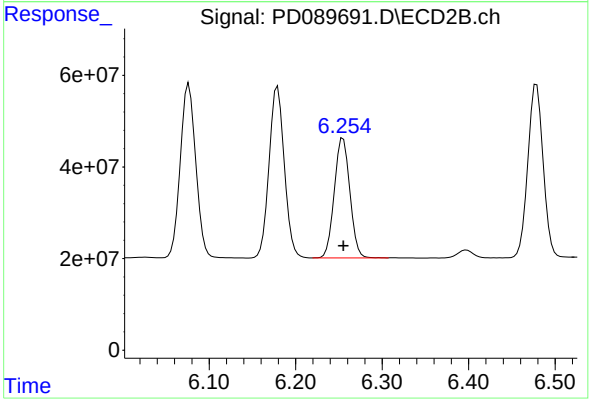
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 460306023
Conc: 24.95 ng/ml



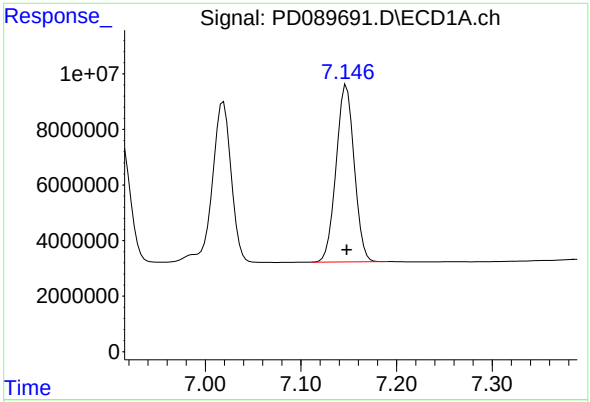
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 60887538
Conc: 24.66 ng/ml



#18 Endrin aldehyde

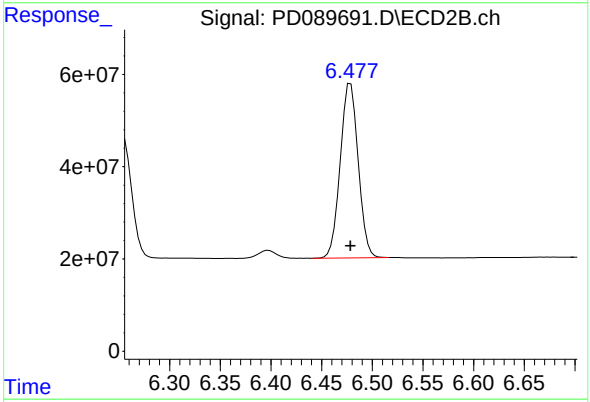
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 325094436
Conc: 25.57 ng/ml



#19 Endosulfan Sulfate

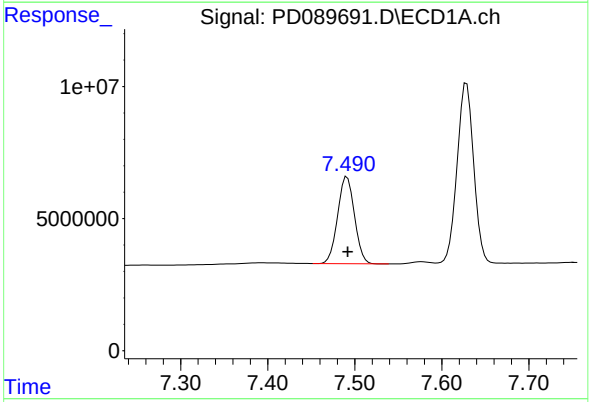
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 83927332
Conc: 24.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



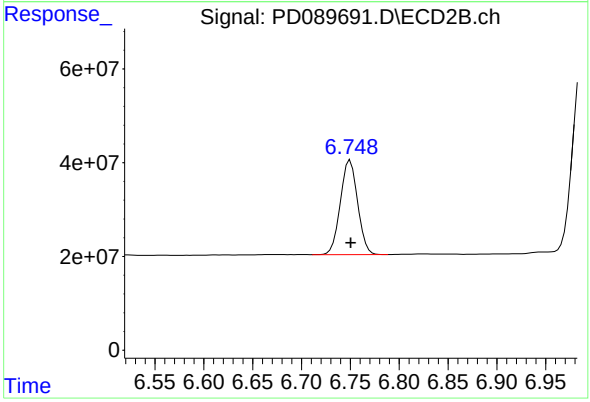
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 464670109
Conc: 25.62 ng/ml



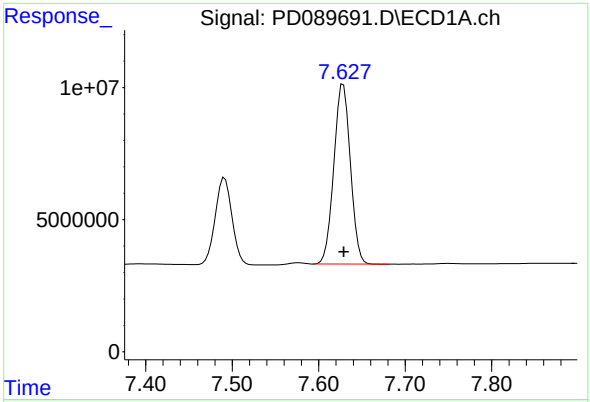
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 44254083
Conc: 24.90 ng/ml



#20 Methoxychlor

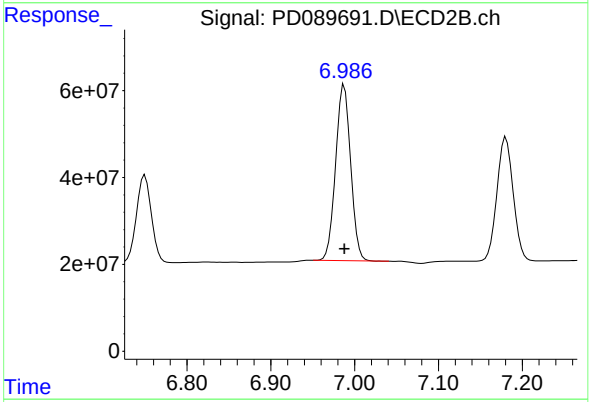
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 248768556
Conc: 25.64 ng/ml



#21 Endrin ketone

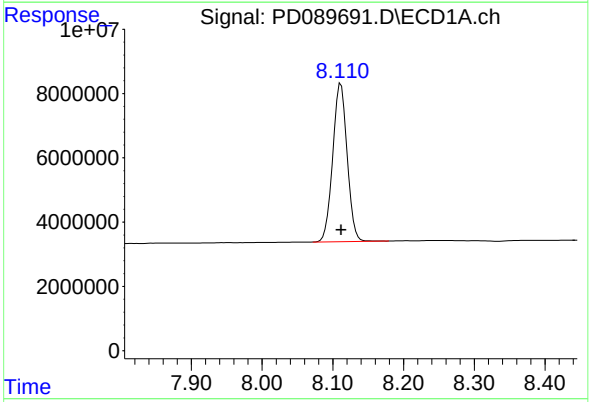
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 90082871
Conc: 24.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



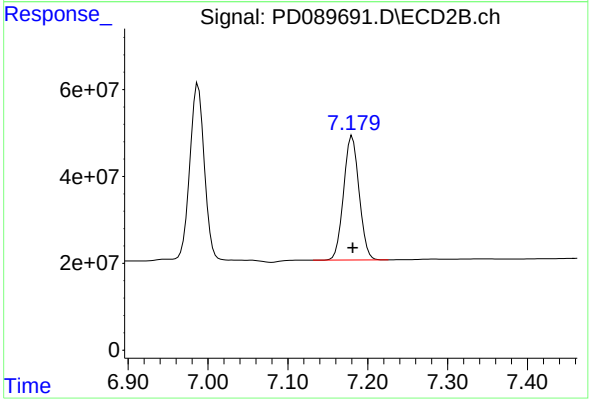
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 504467735
Conc: 25.56 ng/ml



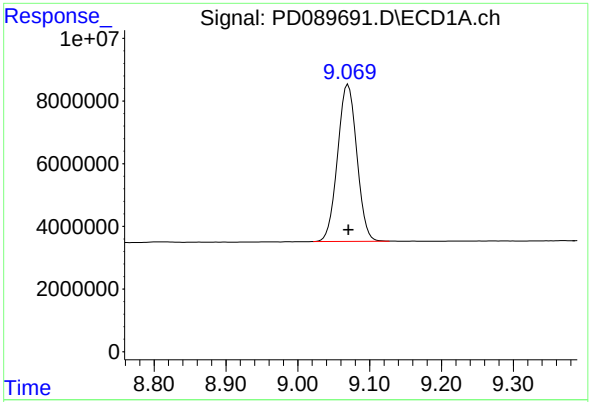
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 69660388
Conc: 25.72 ng/ml



#22 Mirex

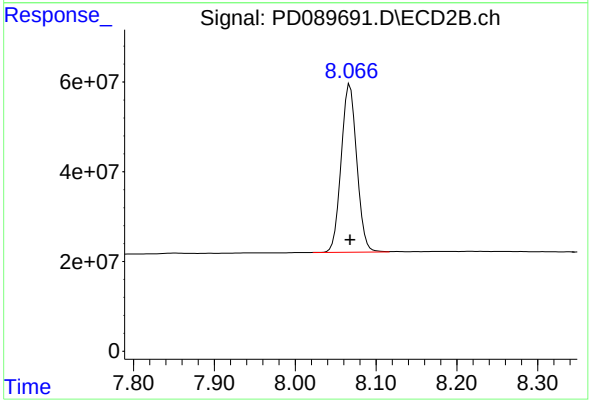
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 385539185
Conc: 26.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 93155610
Conc: 25.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 502344171
Conc: 25.61 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:41
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	12728556	89152363	5.181	5.768
28)	SA Decachlor...	9.070	8.068	21262032	114.2E6	5.874	5.821
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	21991813	131.1E6	4.339	5.471 #
3)	MA gamma-BHC...	4.328	3.726	22352025	122.2E6	4.636	5.521
4)	MA Heptachlor	4.927	4.079	23169413	128.5E6	4.789	5.653
5)	MB Aldrin	5.268	4.365	21817288	121.2E6	4.741	5.543
6)	B beta-BHC	4.514	4.022	9828461	54697788	5.389	5.818
7)	B delta-BHC	4.762	4.259	20752633	123.6E6	4.437	5.532
8)	B Heptachlo...	5.688	4.869	21263659	114.2E6	5.125	5.685
9)	A Endosulfan I	6.072	5.243	20149074	109.2E6	5.114	5.721
10)	B gamma-Chl...	5.943	5.122	20699286	120.0E6	4.968	5.665
11)	B alpha-Chl...	6.024	5.186	21350809	116.5E6	5.111	5.734
12)	B 4,4'-DDE	6.193	5.369	17748555	116.4E6	4.733	5.613m
13)	MA Dieldrin	6.345	5.509	20395942	119.2E6	4.813	5.611
14)	MA Endrin	6.571	5.786	17435369	114.2E6	4.863	5.886
15)	B Endosulfa...	6.784	6.077	19400476	104.7E6	5.385	5.693
16)	A 4,4'-DDD	6.703	5.926	14539424	96121739	4.847	5.539
17)	MA 4,4'-DDT	7.019	6.180	16301577	92950908	4.836	5.037
18)	B Endrin al...	6.911	6.255	12992981	70660838	5.262m	5.558
19)	B Endosulfa...	7.147	6.478	18066498	103.7E6	5.263	5.719
20)	A Methoxychlor	7.491	6.750	9351951	53085396	5.262	5.471
21)	B Endrin ke...	7.628	6.987	18813895	110.2E6	5.084	5.581
22)	Mirex	8.111	7.181	15861435	86238194	5.856	5.817

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:41
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

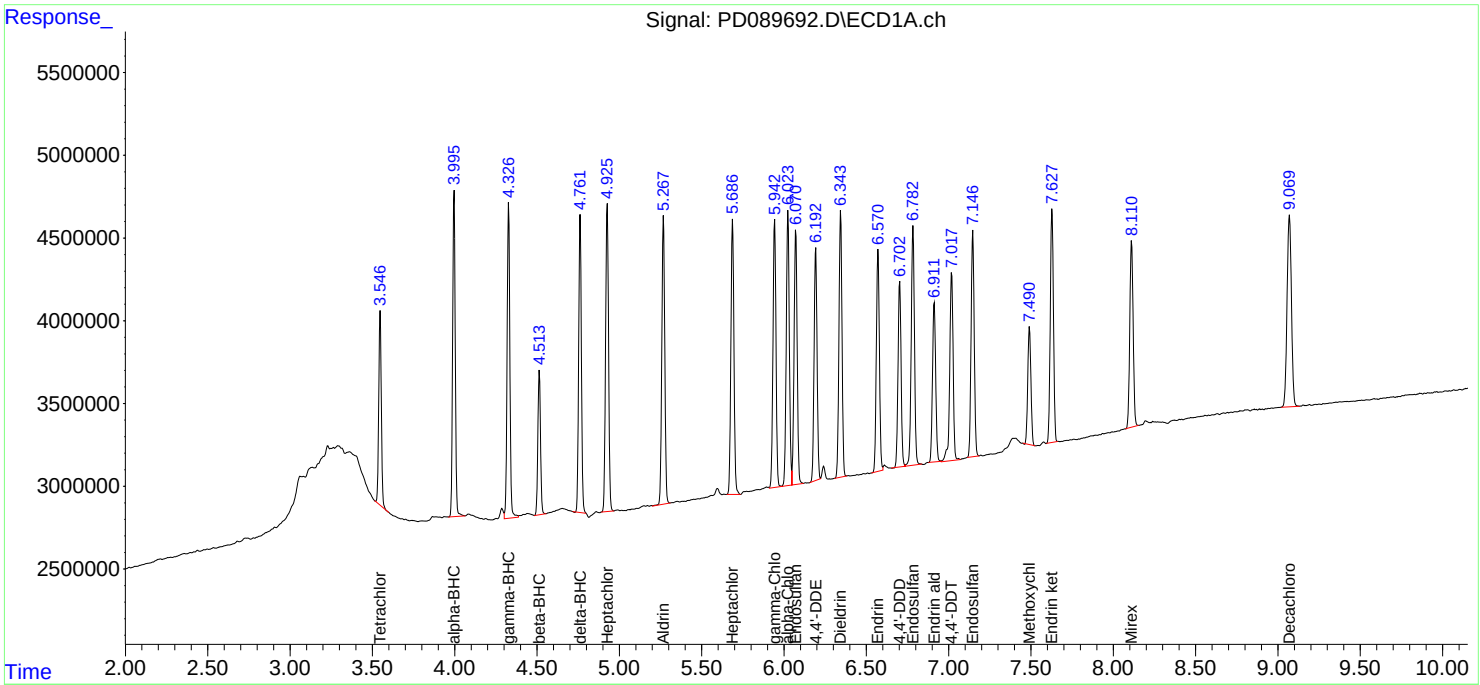
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

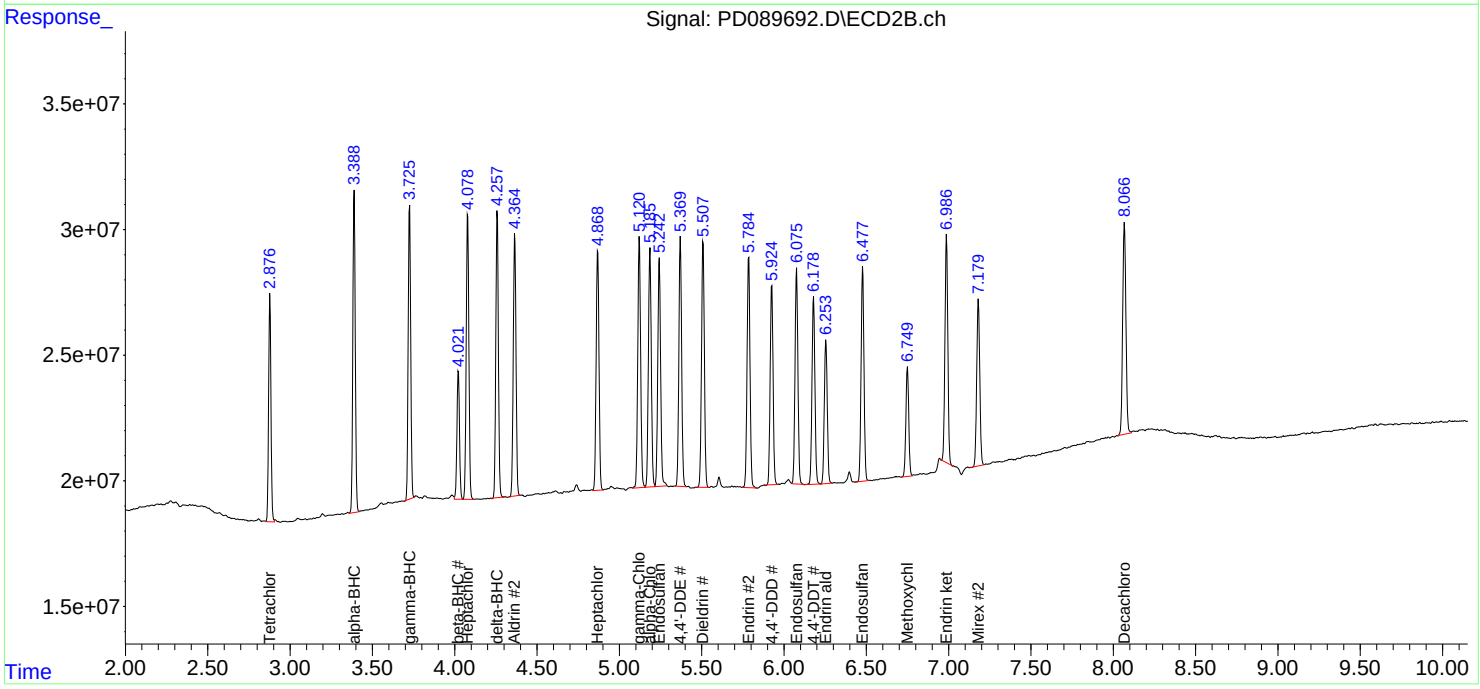
Manual Integrations APPROVED

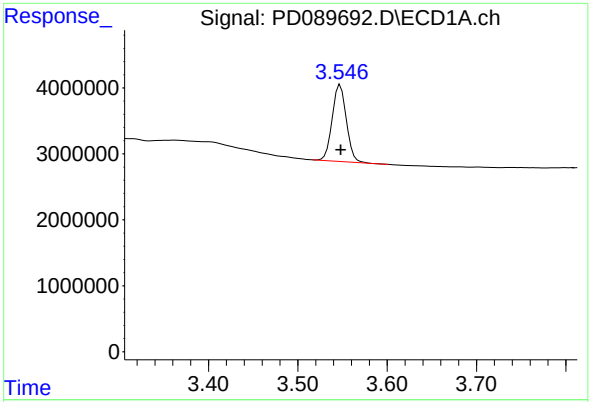
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 12728556
Conc: 5.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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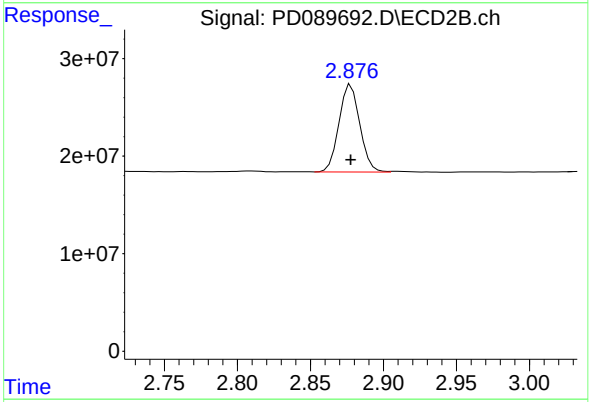
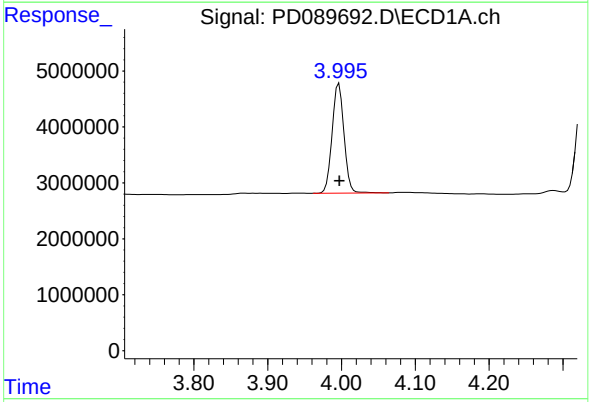
Supervised By :mohammad ahmed 08/01/2025



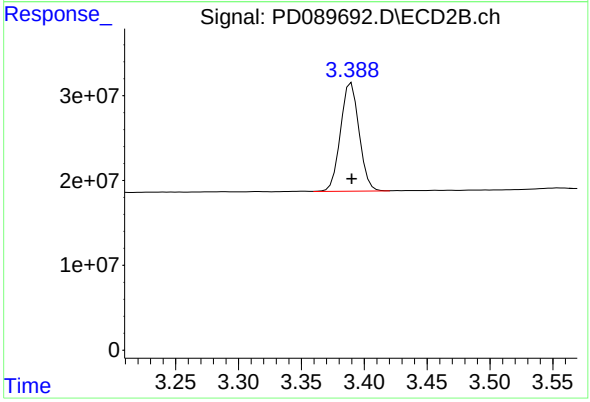
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 89152363
Conc: 5.77 ng/ml



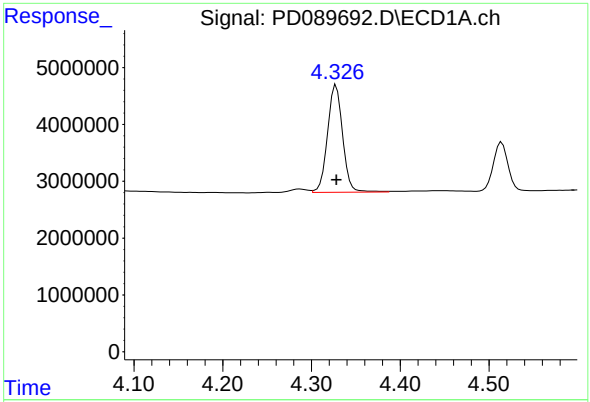
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 21991813
Conc: 4.34 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 131148550
Conc: 5.47 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 22352025
Conc: 4.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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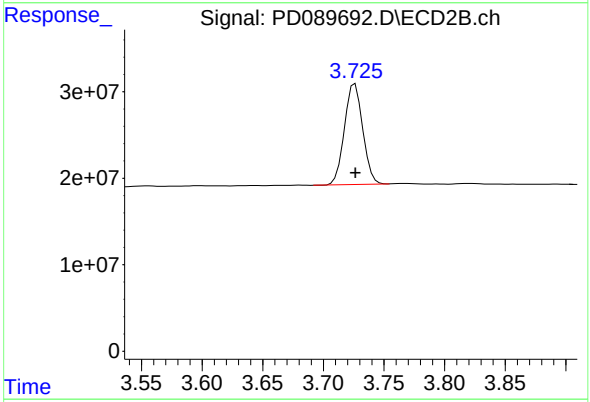
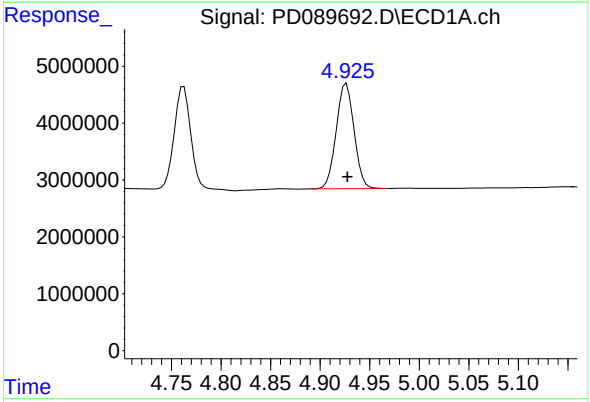
Supervised By :mohammad ahmed 08/01/2025



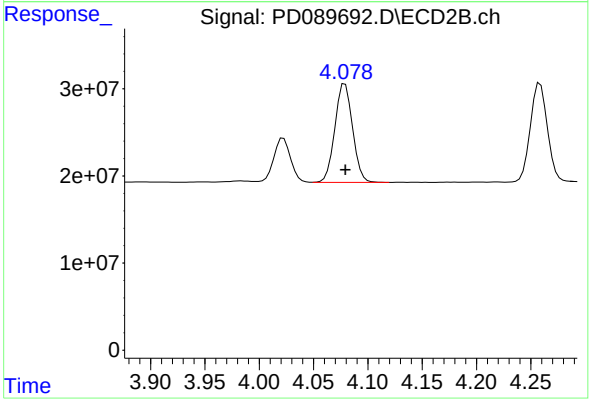
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 122229885
Conc: 5.52 ng/ml



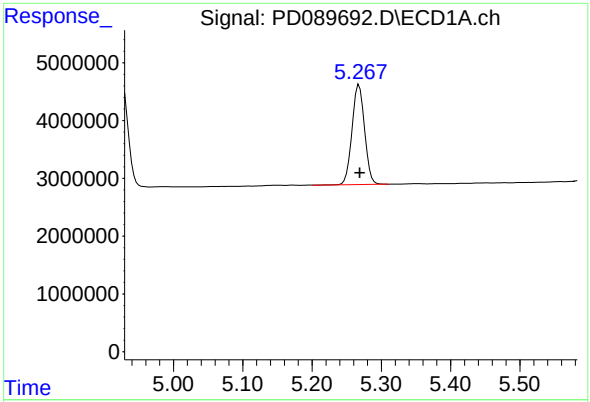
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 23169413
Conc: 4.79 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 128504249
Conc: 5.65 ng/ml



#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 21817288
Conc: 4.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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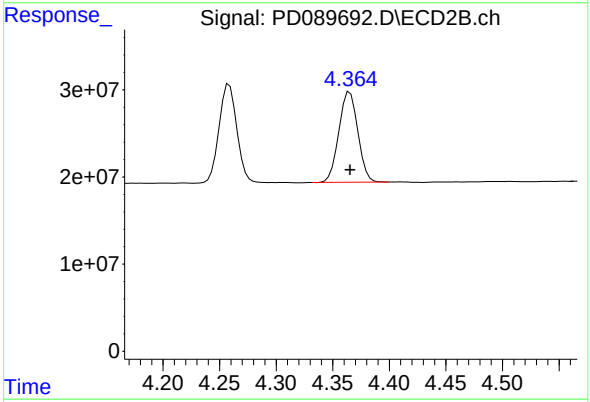
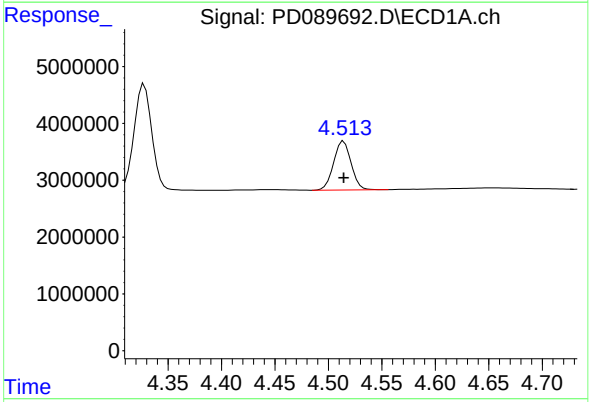


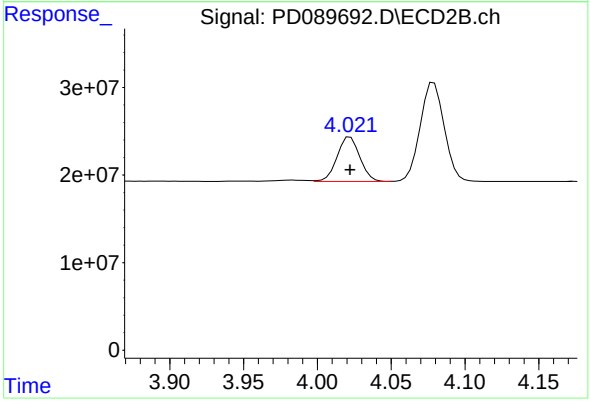
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 121229253
Conc: 5.54 ng/ml



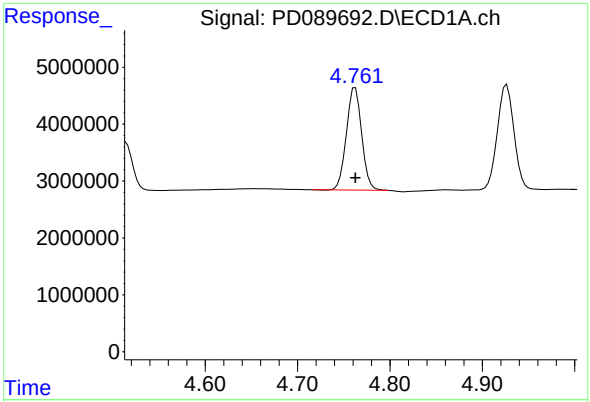
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 9828461
Conc: 5.39 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 54697788
Conc: 5.82 ng/ml



#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 20752633
Conc: 4.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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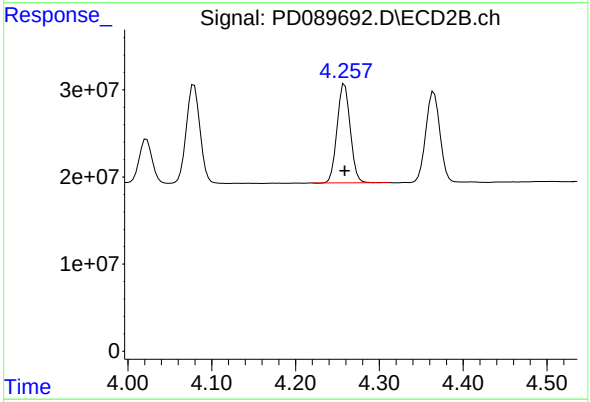
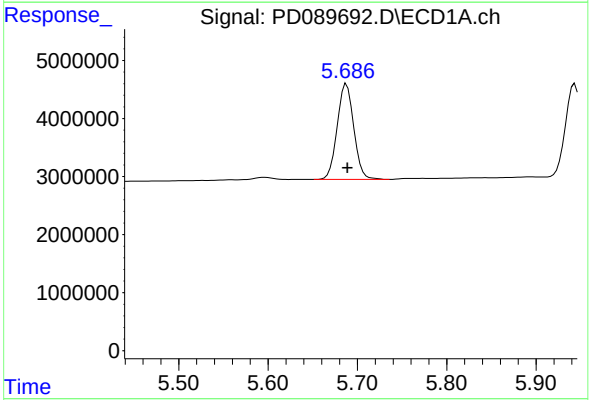
Supervised By :mohammad ahmed 08/01/2025



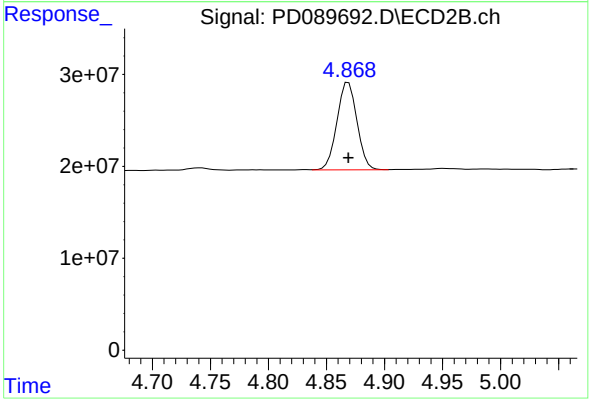
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 123568766
Conc: 5.53 ng/ml



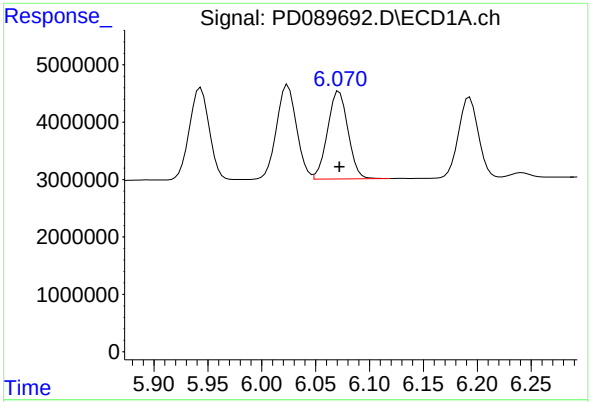
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 21263659
Conc: 5.13 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 114241935
Conc: 5.68 ng/ml



#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 20149074
Conc: 5.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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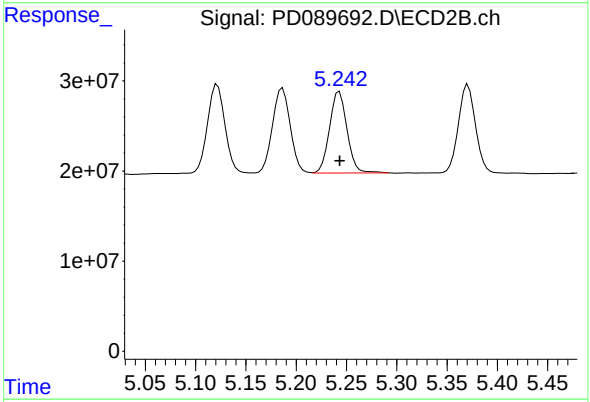
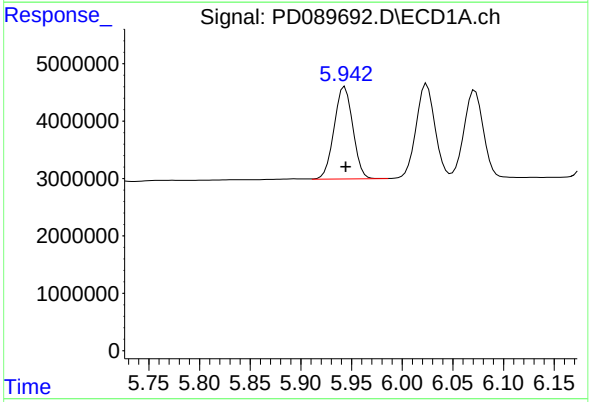


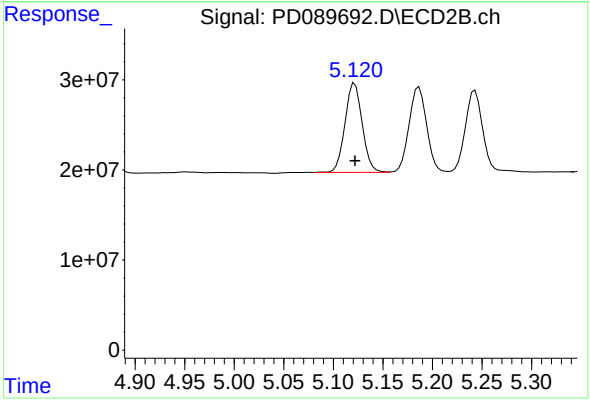
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 109238513
Conc: 5.72 ng/ml



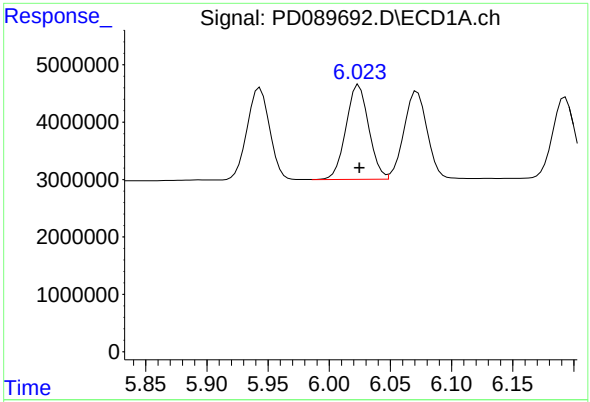
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 20699286
Conc: 4.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 119998477
Conc: 5.66 ng/ml



#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 21350809
Conc: 5.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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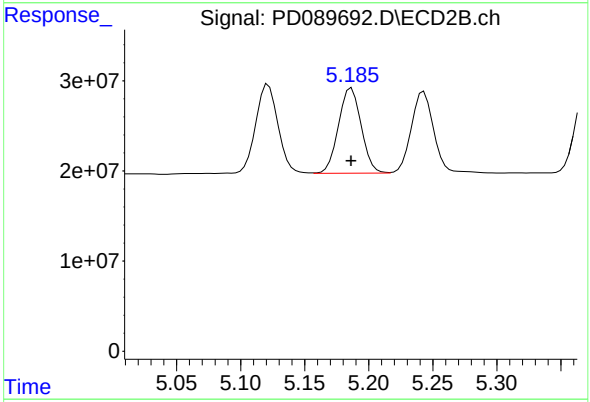
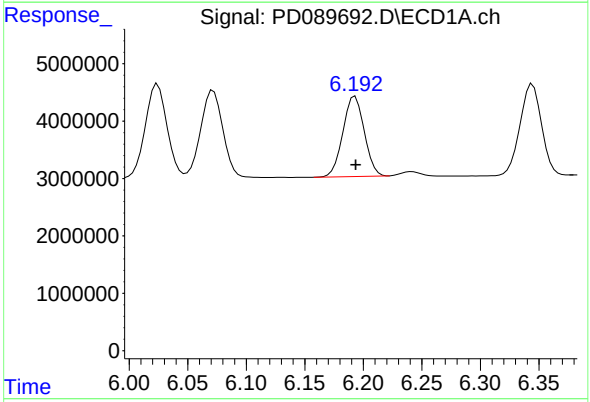
Supervised By :mohammad ahmed 08/01/2025



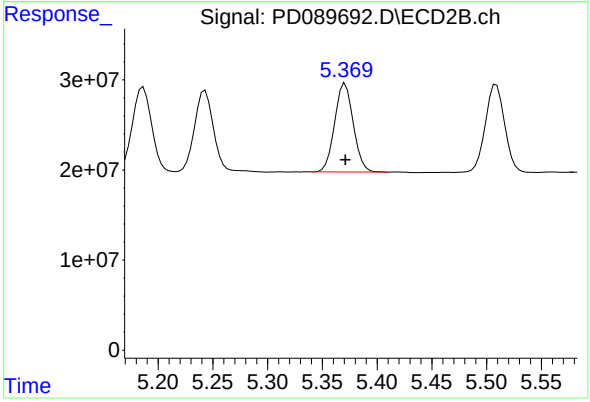
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 116463399
Conc: 5.73 ng/ml



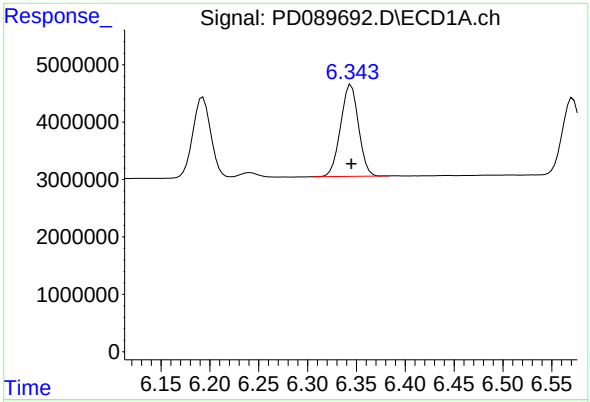
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 17748555
Conc: 4.73 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 116367961
Conc: 5.61 ng/ml m



#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 20395942
Conc: 4.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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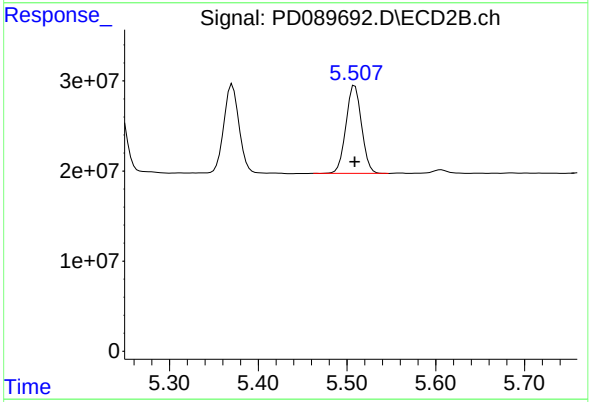
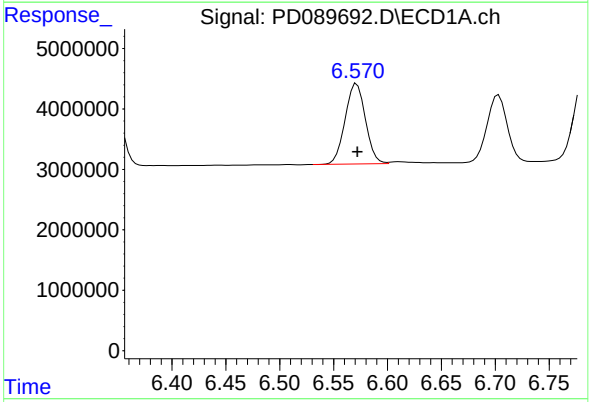


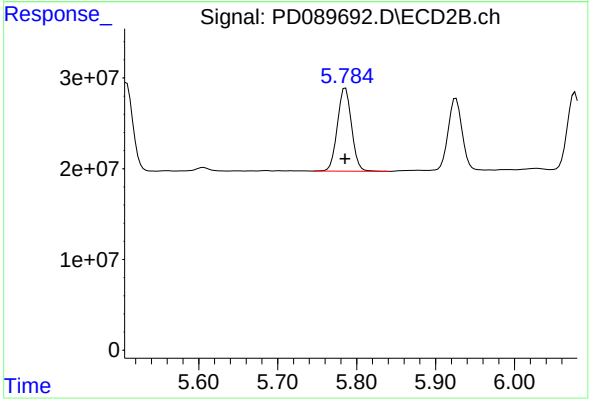
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 119161575
Conc: 5.61 ng/ml



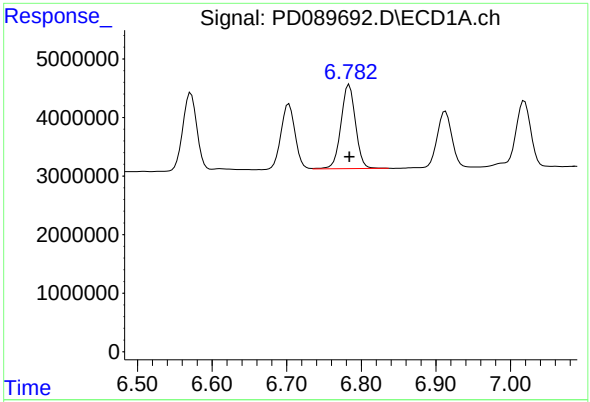
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 17435369
Conc: 4.86 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 114167545
Conc: 5.89 ng/ml



#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 19400476
Conc: 5.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

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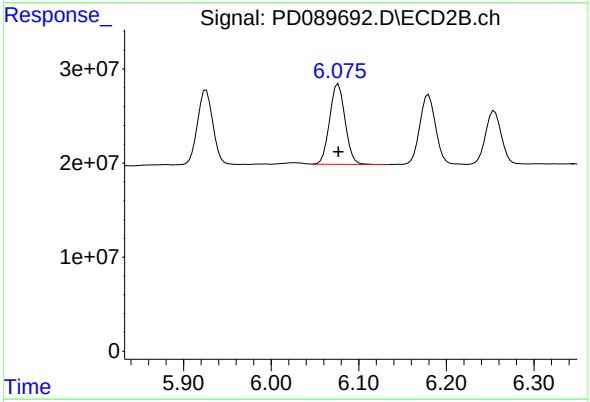
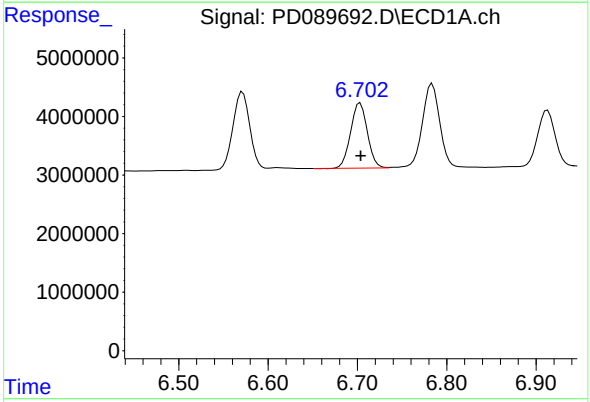


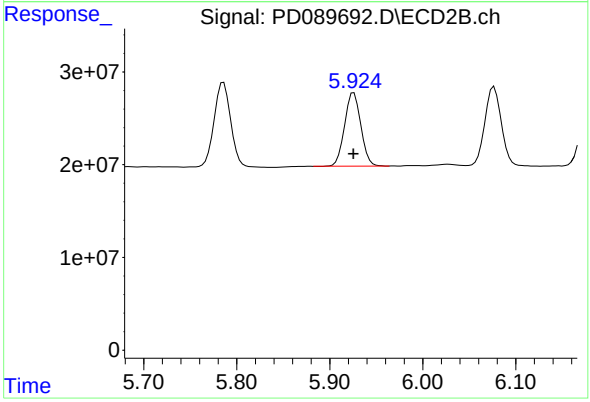
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 104732061
Conc: 5.69 ng/ml



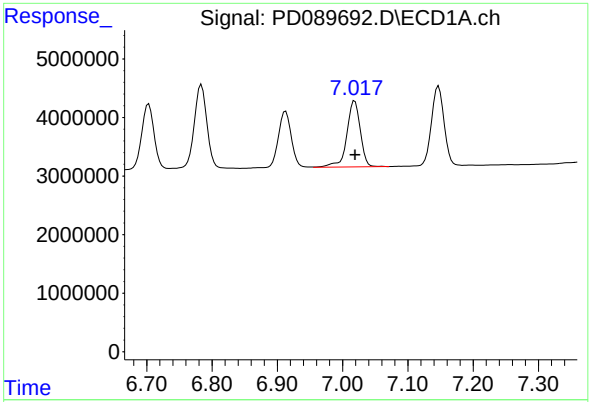
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 14539424
Conc: 4.85 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 96121739
Conc: 5.54 ng/ml



#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 16301577
Conc: 4.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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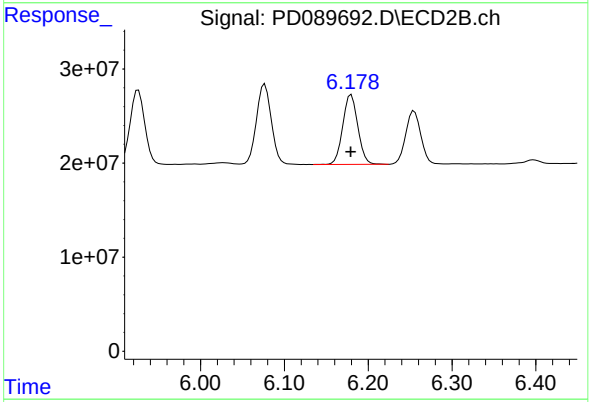
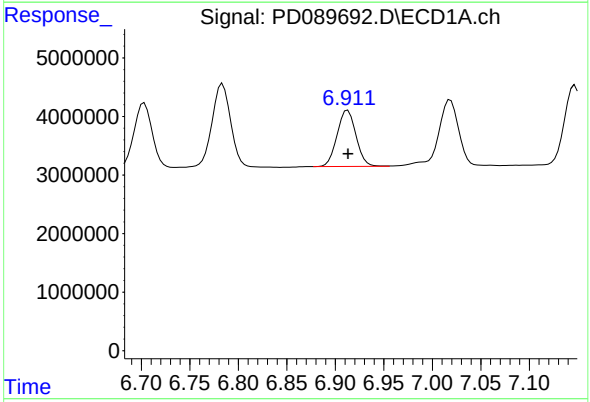


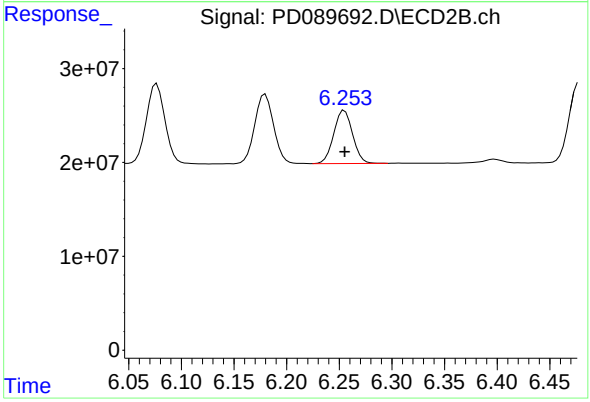
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 92950908
Conc: 5.04 ng/ml



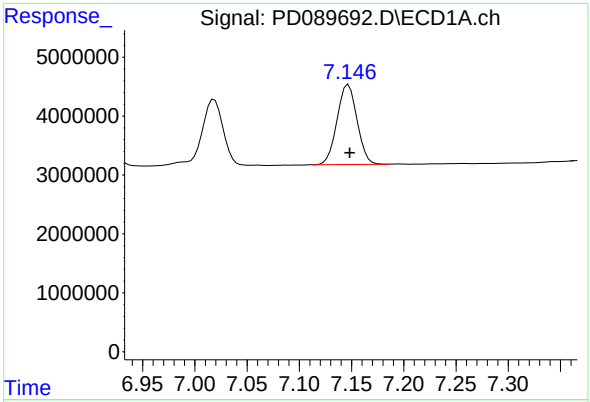
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 12992981
Conc: 5.26 ng/ml m



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 70660838
Conc: 5.56 ng/ml



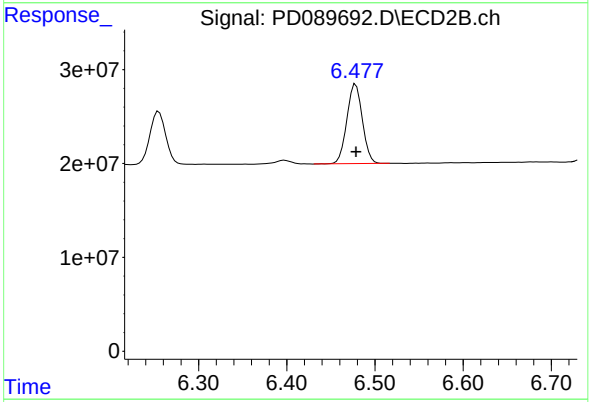
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 18066498
Conc: 5.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

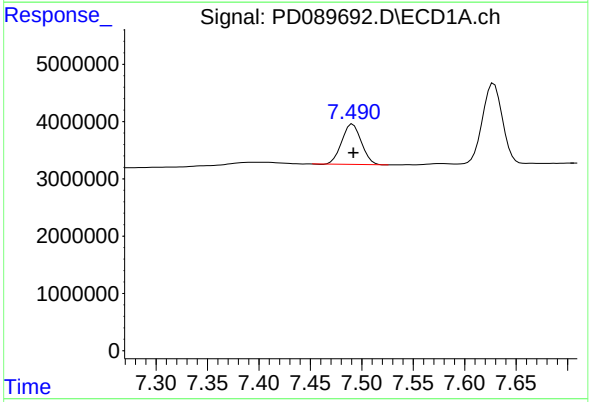
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



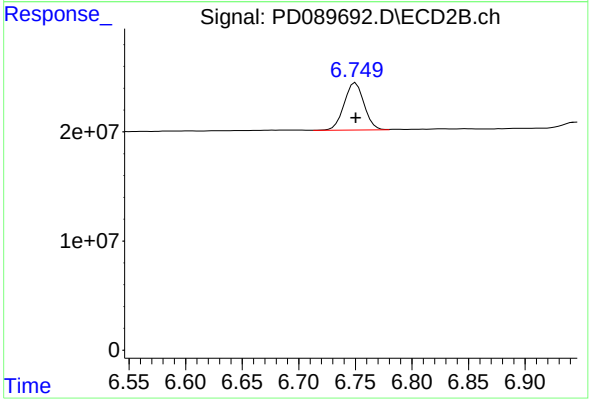
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 103733686
Conc: 5.72 ng/ml



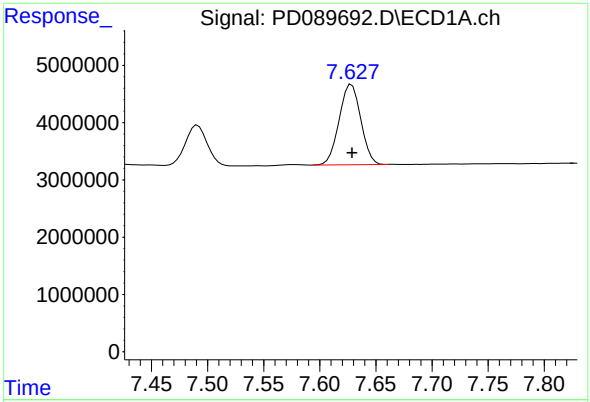
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 9351951
Conc: 5.26 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 53085396
Conc: 5.47 ng/ml



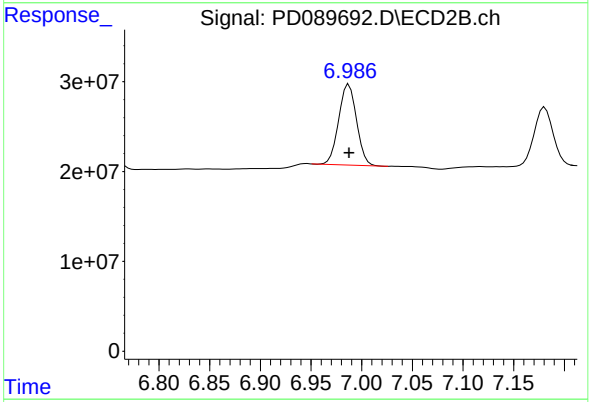
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 18813895
Conc: 5.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

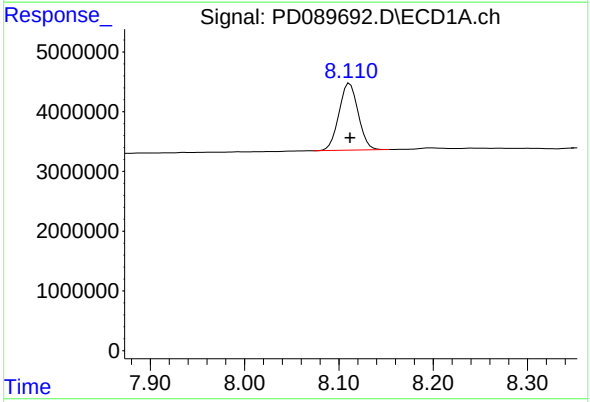
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



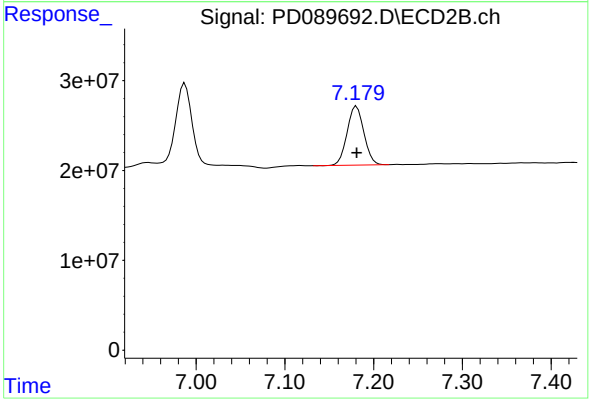
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 110168921
Conc: 5.58 ng/ml



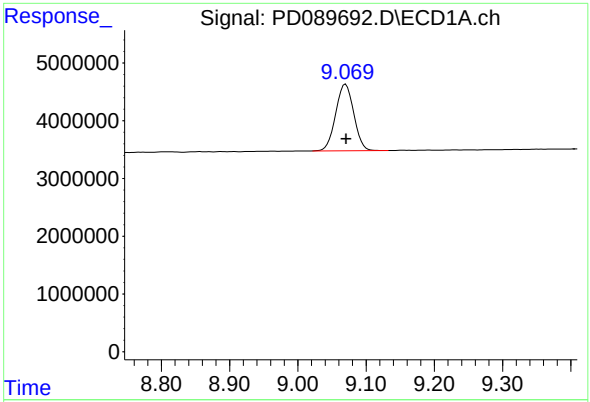
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 15861435
Conc: 5.86 ng/ml



#22 Mirex

R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 86238194
Conc: 5.82 ng/ml



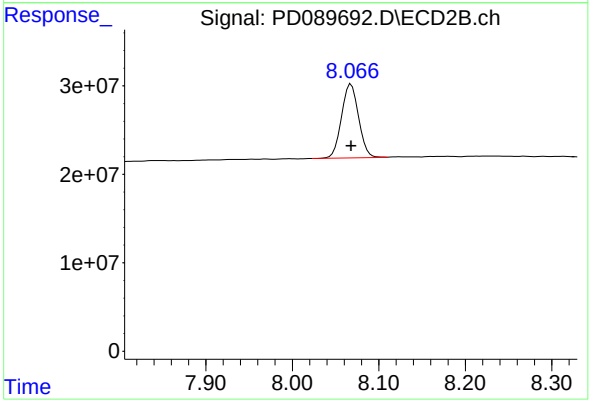
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 21262032
Conc: 5.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 114169663
Conc: 5.82 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 13:23
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: Aug 01 06:19:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:17:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.877	120.5E6	945.6E6	50.000	50.000
28)	SA Decachlor...	9.069	8.067	176.9E6	974.5E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.712	3.902	84493998	372.7E6	500.000	500.000
24)	Chlordane-2	5.238	4.483	85139038	388.8E6	500.000	500.000
25)	Chlordane-3	5.944	5.122	351.5E6	1170.3E6	500.000	500.000
26)	Chlordane-4	6.029	5.186	426.3E6	1005.1E6	500.000	500.000
27)	Chlordane-5	6.868	6.086	72983349	462.5E6	500.000	500.000

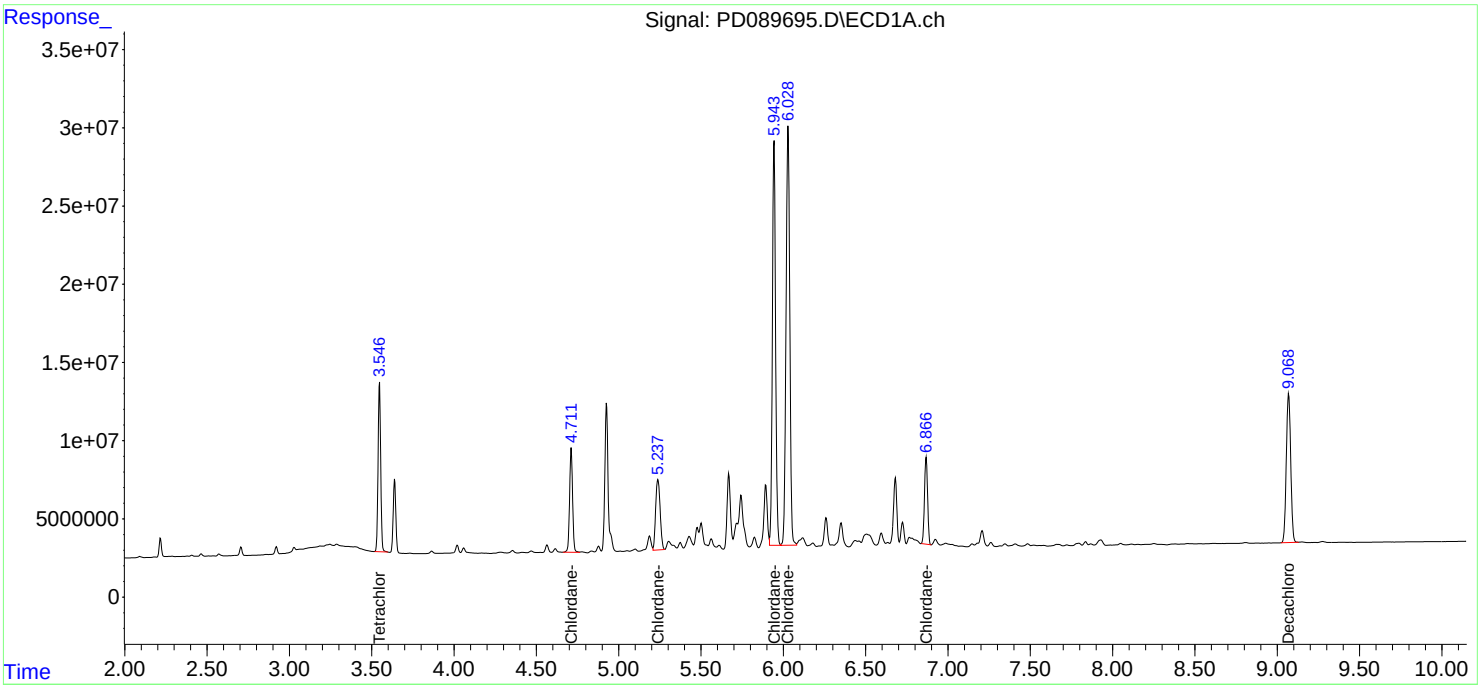
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

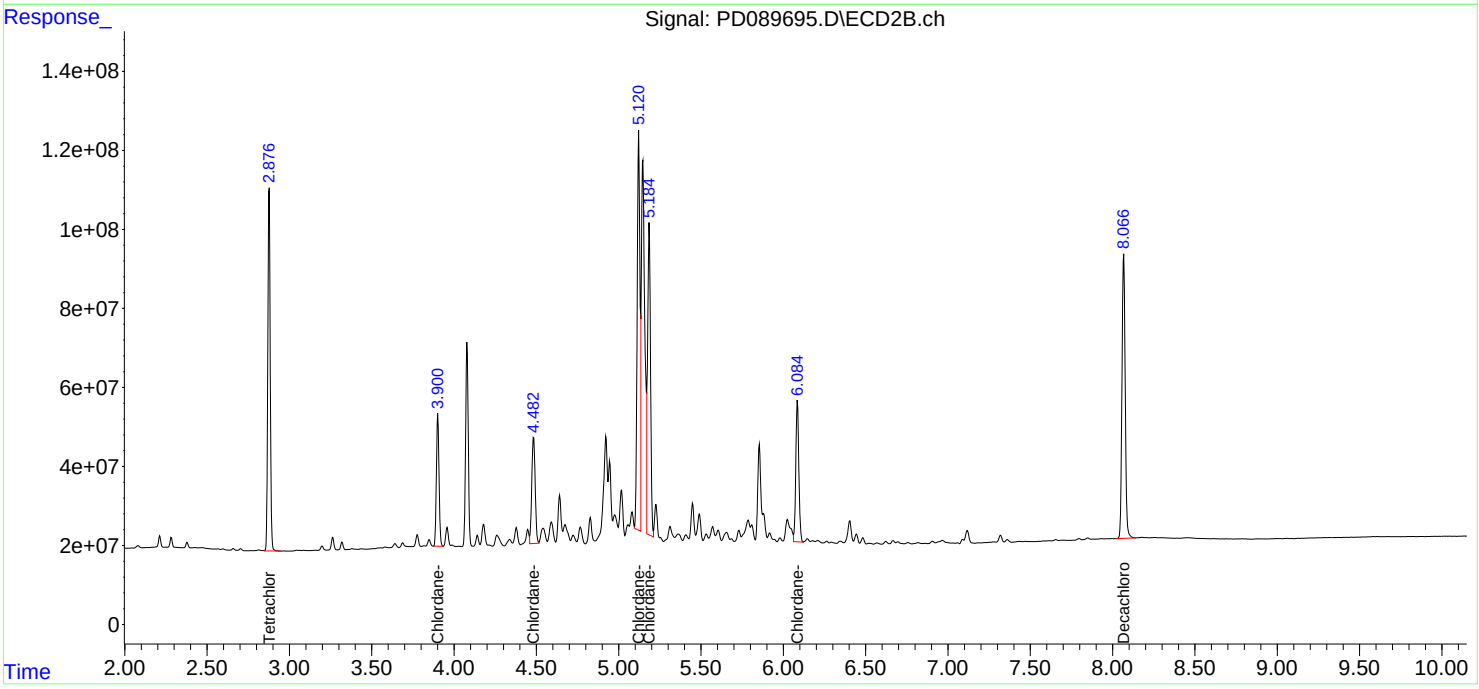
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 13:23
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

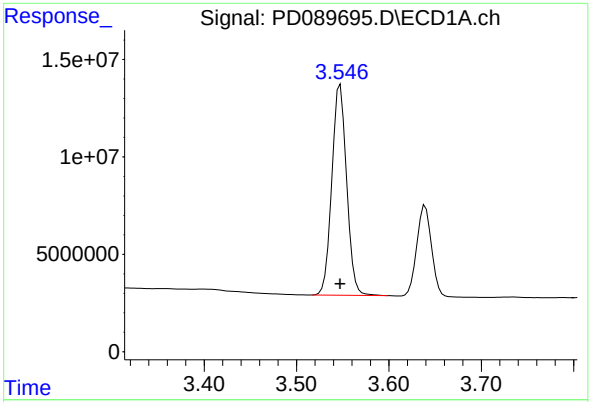
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:19:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:17:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



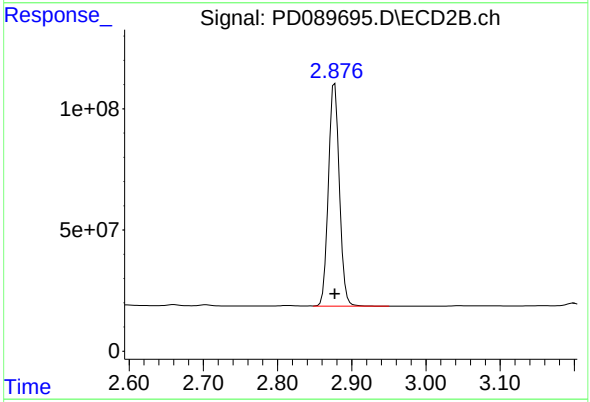




#1 Tetrachloro-m-xylene

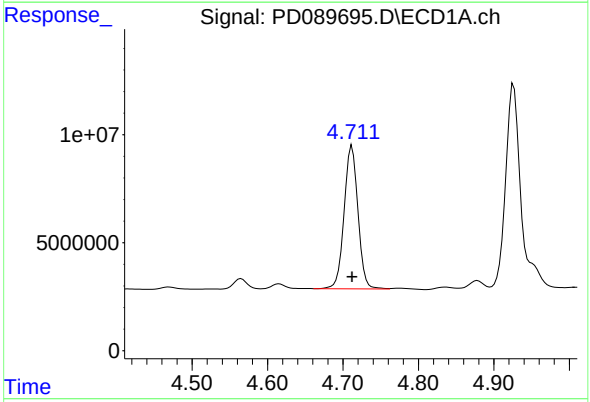
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 120454144
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



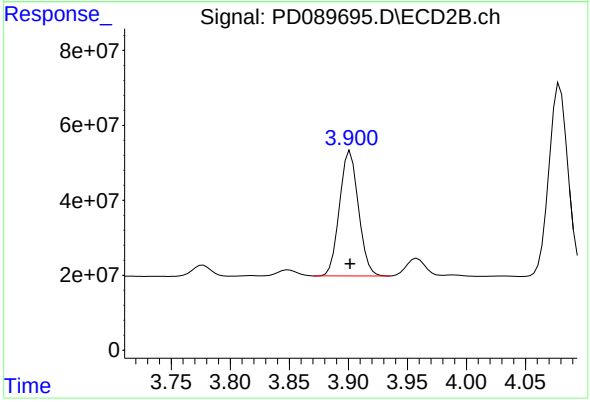
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 945590516
Conc: 50.00 ng/ml



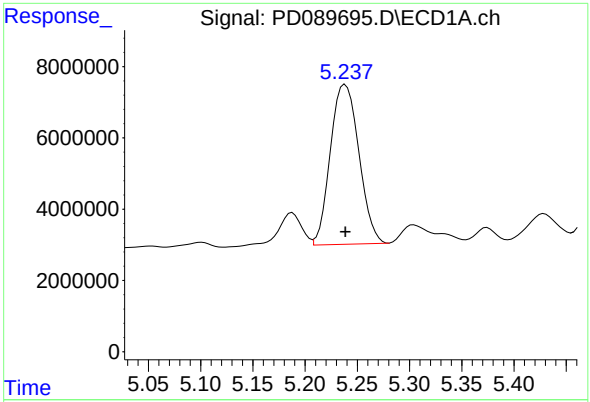
#23 Chlordane-1

R.T.: 4.712 min
Delta R.T.: 0.000 min
Response: 84493998
Conc: 500.00 ng/ml



#23 Chlordane-1

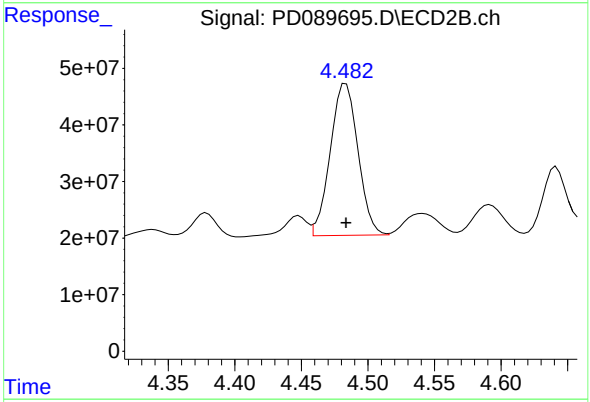
R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 372667142
Conc: 500.00 ng/ml



#24 Chlordane-2

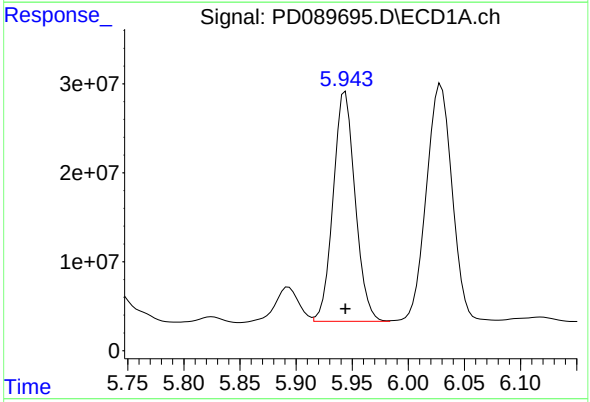
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 85139038
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



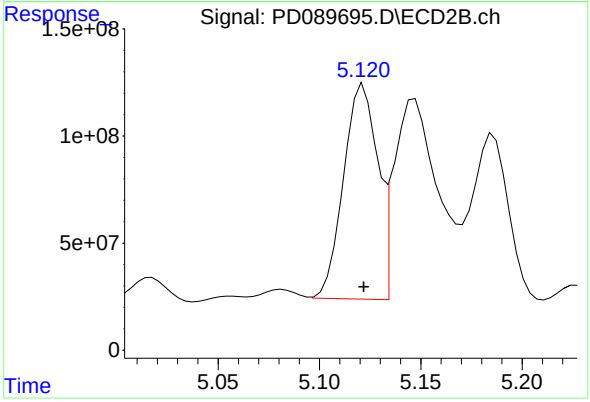
#24 Chlordane-2

R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 388836209
Conc: 500.00 ng/ml



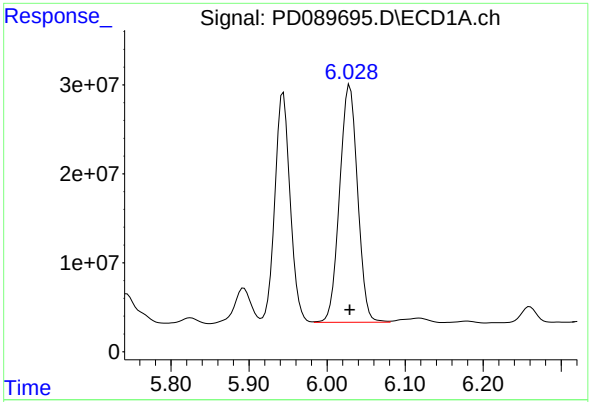
#25 Chlordane-3

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 351491901
Conc: 500.00 ng/ml



#25 Chlordane-3

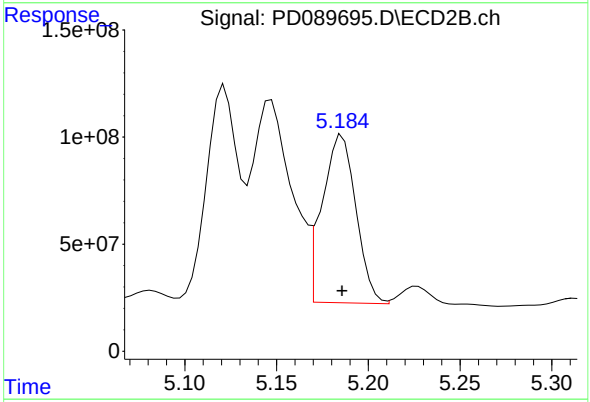
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1170269551
Conc: 500.00 ng/ml



#26 Chlordane-4

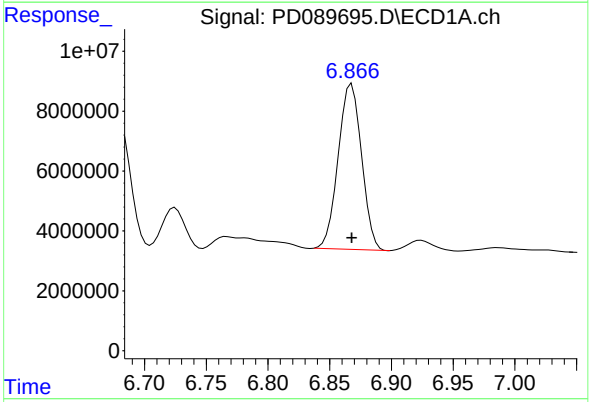
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 426332129
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



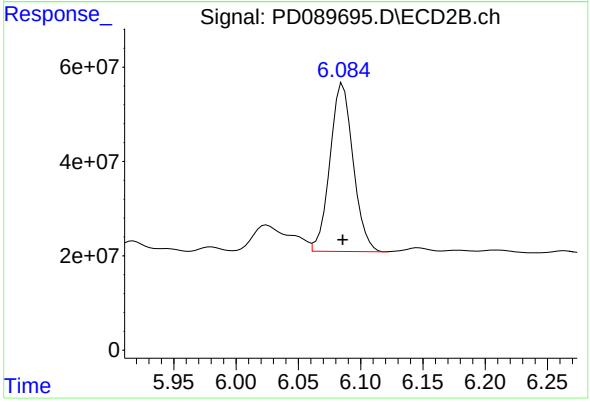
#26 Chlordane-4

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1005074647
Conc: 500.00 ng/ml



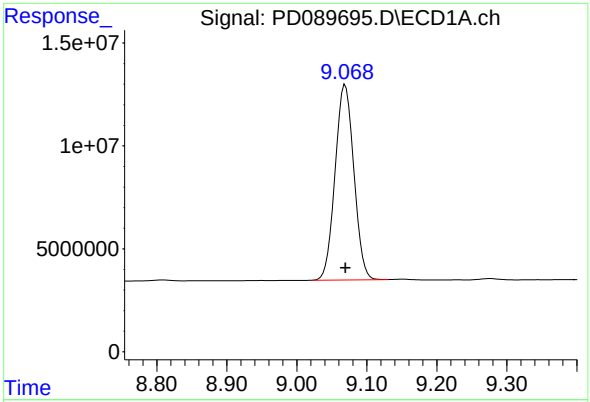
#27 Chlordane-5

R.T.: 6.868 min
Delta R.T.: 0.000 min
Response: 72983349
Conc: 500.00 ng/ml



#27 Chlordane-5

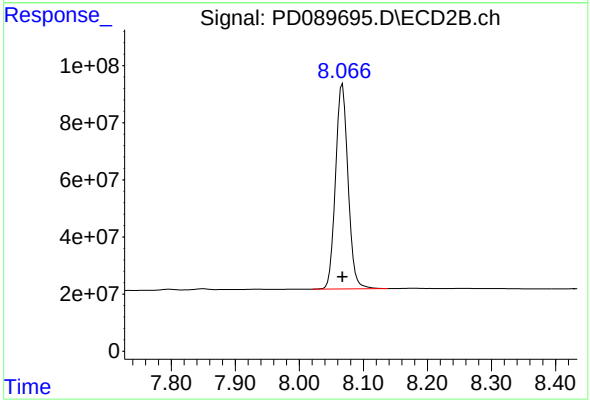
R.T.: 6.086 min
Delta R.T.: 0.000 min
Response: 462521233
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.000 min
Response: 176909463
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 974452764
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089700.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 14:31
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:37:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:37:33 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	124.8E6	773.4E6	50.000	50.000
7)	SA Decachlor...	9.068	8.066	184.8E6	987.6E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.239	5.471	17443475	79994774	500.000	500.000
3)	Toxaphene-2	6.439	5.642	23341665	54280922	500.000	500.000
4)	Toxaphene-3	7.146	6.752	45826320	259.8E6	500.000	500.000
5)	Toxaphene-4	7.561	7.193	60366168	180.8E6	500.000	500.000
6)	Toxaphene-5	7.926	7.324	34082893	127.1E6	500.000	500.000

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

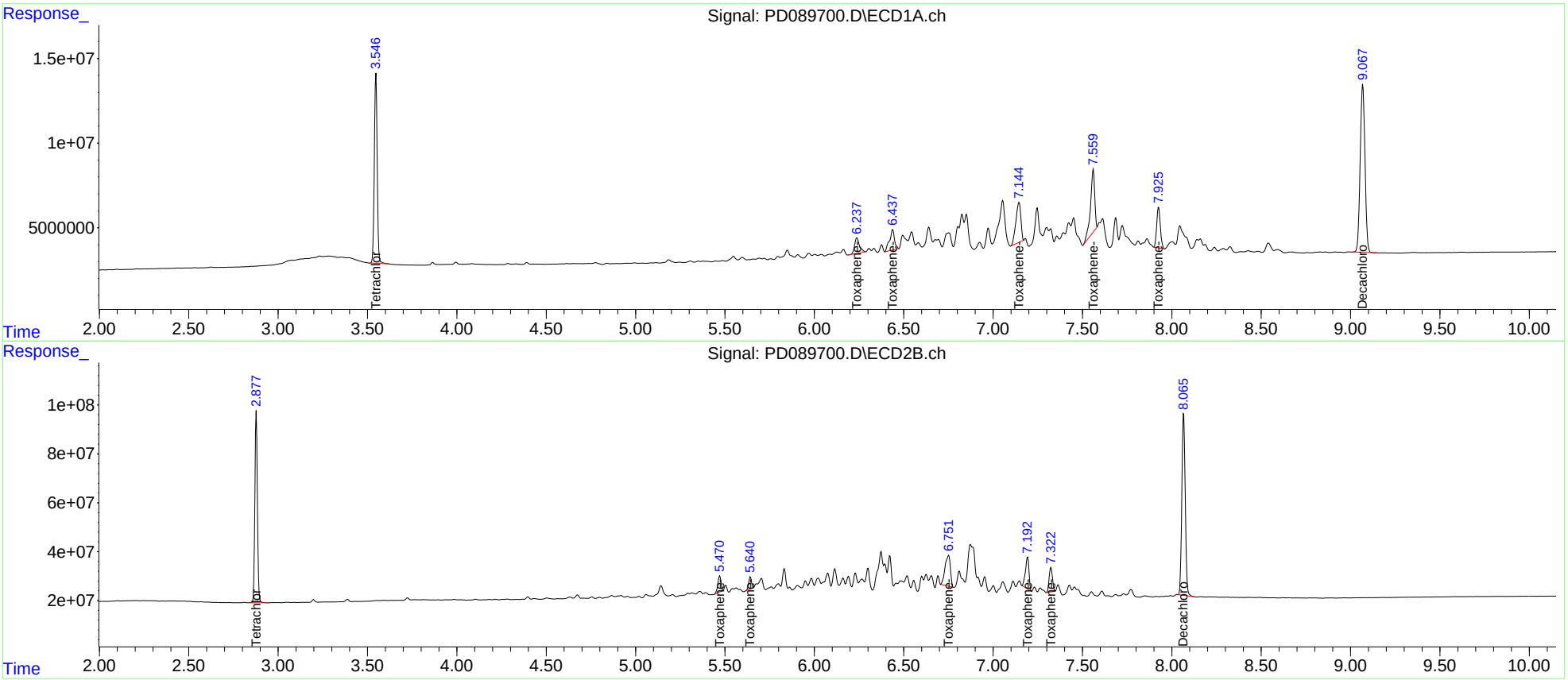
Quantitation Report (QT Reviewed)

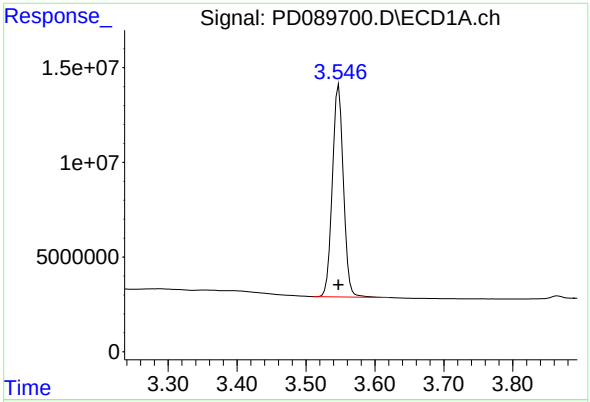
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089700.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 14:31
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:37:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:37:33 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

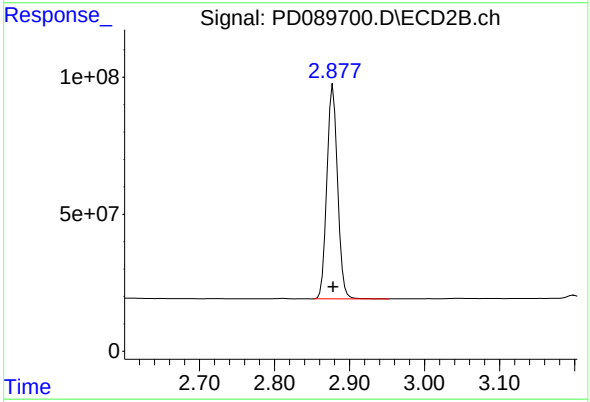




#1 Tetrachloro-m-xylene

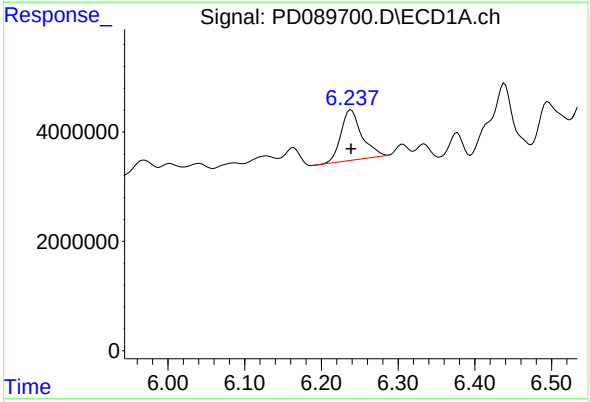
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 124762614
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



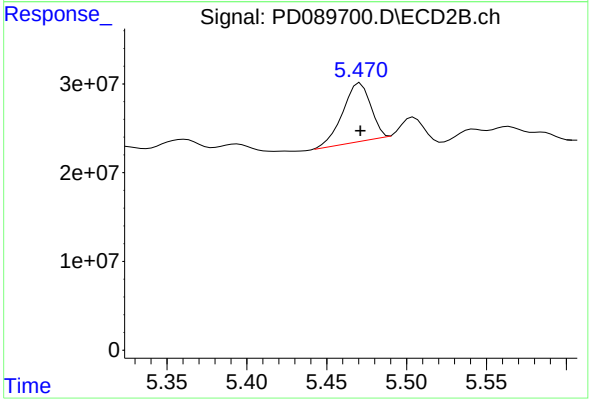
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 773419158
Conc: 50.00 ng/ml



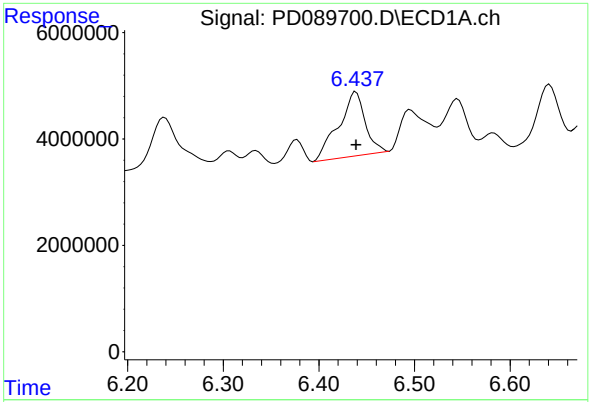
#2 Toxaphene-1

R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 17443475
Conc: 500.00 ng/ml



#2 Toxaphene-1

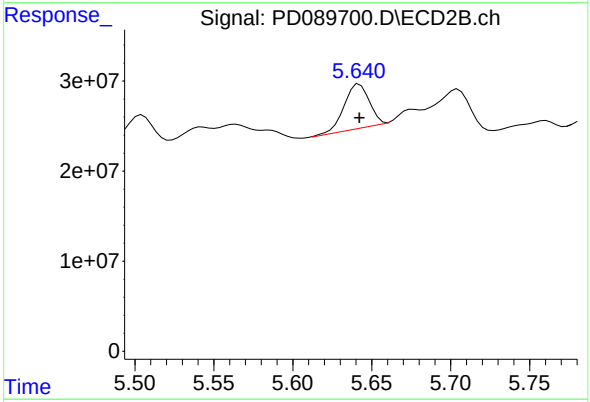
R.T.: 5.471 min
Delta R.T.: 0.000 min
Response: 79994774
Conc: 500.00 ng/ml



#3 Toxaphene-2

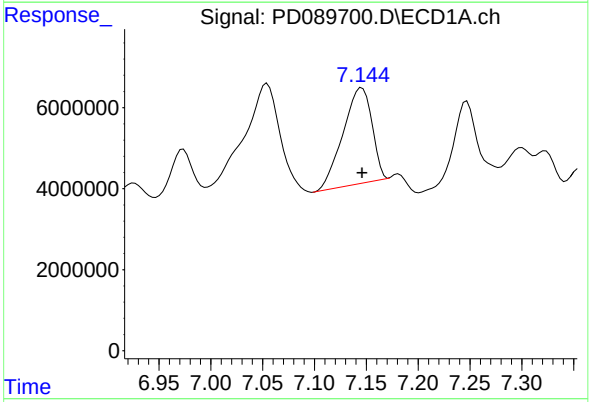
R.T.: 6.439 min
Delta R.T.: 0.000 min
Response: 23341665
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



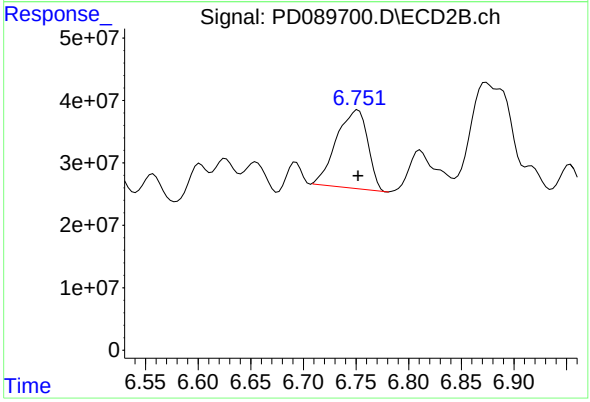
#3 Toxaphene-2

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 54280922
Conc: 500.00 ng/ml



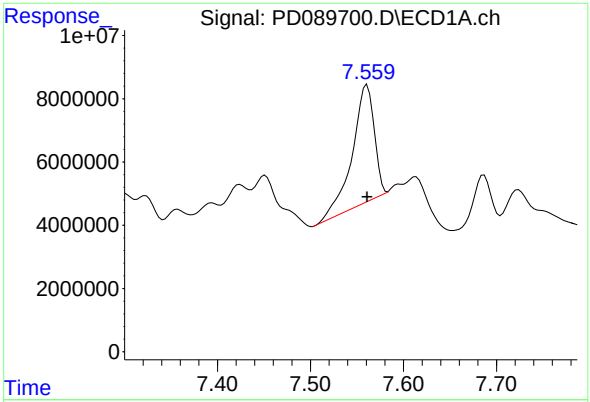
#4 Toxaphene-3

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 45826320
Conc: 500.00 ng/ml



#4 Toxaphene-3

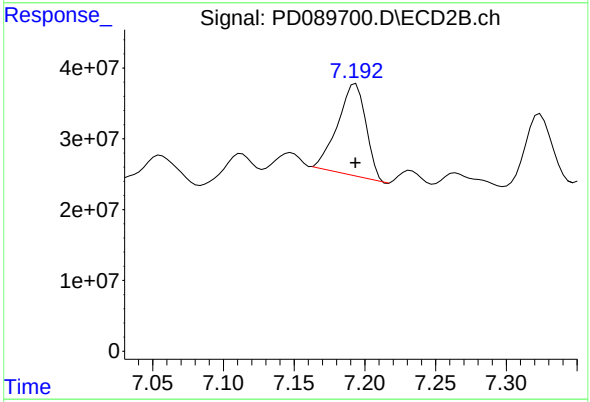
R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 259788454
Conc: 500.00 ng/ml



#5 Toxaphene-4

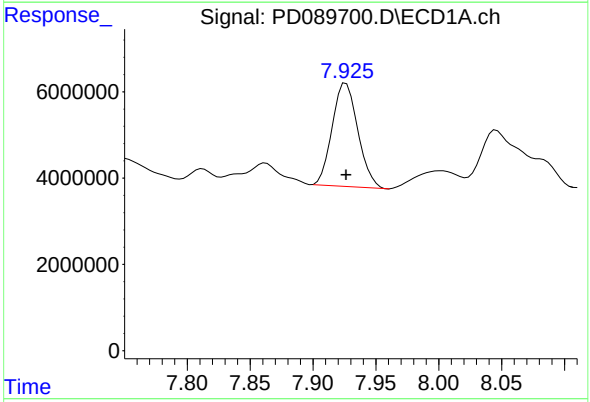
R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 60366168
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



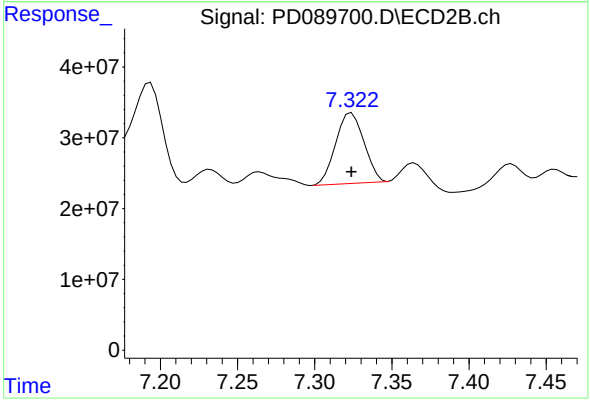
#5 Toxaphene-4

R.T.: 7.193 min
Delta R.T.: 0.000 min
Response: 180778008
Conc: 500.00 ng/ml



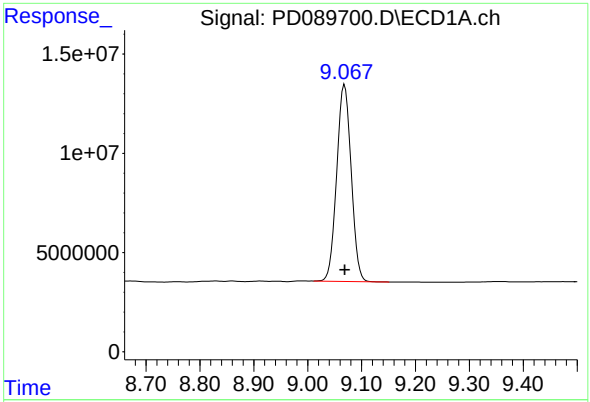
#6 Toxaphene-5

R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 34082893
Conc: 500.00 ng/ml



#6 Toxaphene-5

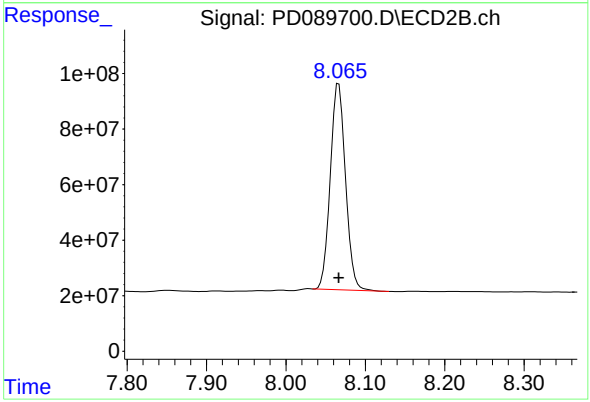
R.T.: 7.324 min
Delta R.T.: 0.000 min
Response: 127056856
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 184801298
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 987648644
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 15:11
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:29:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.878	120.0E6	761.1E6	48.643	48.054
28)	SA Decachlor...	9.068	8.067	181.6E6	1003.9E6	48.862	50.002
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	247.1E6	1174.9E6	49.894	48.341
3)	MA gamma-BHC...	4.328	3.726	235.0E6	1091.3E6	49.442	48.451
4)	MA Heptachlor	4.927	4.079	236.5E6	1118.2E6	49.144	48.177
5)	MB Aldrin	5.269	4.365	226.3E6	1080.5E6	49.573	48.561
6)	B beta-BHC	4.514	4.022	89444936	462.6E6	48.488	47.941
7)	B delta-BHC	4.762	4.258	227.8E6	1097.8E6	49.674	48.330
8)	B Heptachlo...	5.689	4.869	203.2E6	996.0E6	48.615	48.467
9)	A Endosulfan I	6.072	5.243	193.3E6	951.2E6	48.760	48.657
10)	B gamma-Chl...	5.943	5.122	205.3E6	1052.1E6	49.121	48.590
11)	B alpha-Chl...	6.025	5.186	205.4E6	1010.4E6	48.847	48.528
12)	B 4,4'-DDE	6.193	5.371	184.6E6	1030.8E6	49.482	48.768
13)	MA Dieldrin	6.344	5.508	208.4E6	1056.1E6	49.341	48.805
14)	MA Endrin	6.572	5.785	174.3E6	956.4E6	48.704	47.998
15)	B Endosulfa...	6.784	6.076	177.5E6	917.6E6	48.364	48.811
16)	A 4,4'-DDD	6.703	5.925	148.3E6	869.0E6	49.533	49.286
17)	MA 4,4'-DDT	7.019	6.179	166.6E6	923.5E6	49.583	50.264
18)	B Endrin al...	6.913	6.255	124.7E6	648.5E6	49.955	50.191
19)	B Endosulfa...	7.147	6.478	169.4E6	910.4E6	48.814	49.036
20)	A Methoxychlor	7.491	6.750	87549683	489.2E6	48.966	49.945
21)	B Endrin ke...	7.628	6.987	184.0E6	1003.7E6	49.547	50.012
22)	Mirex	8.111	7.181	134.7E6	755.7E6	48.321	49.648

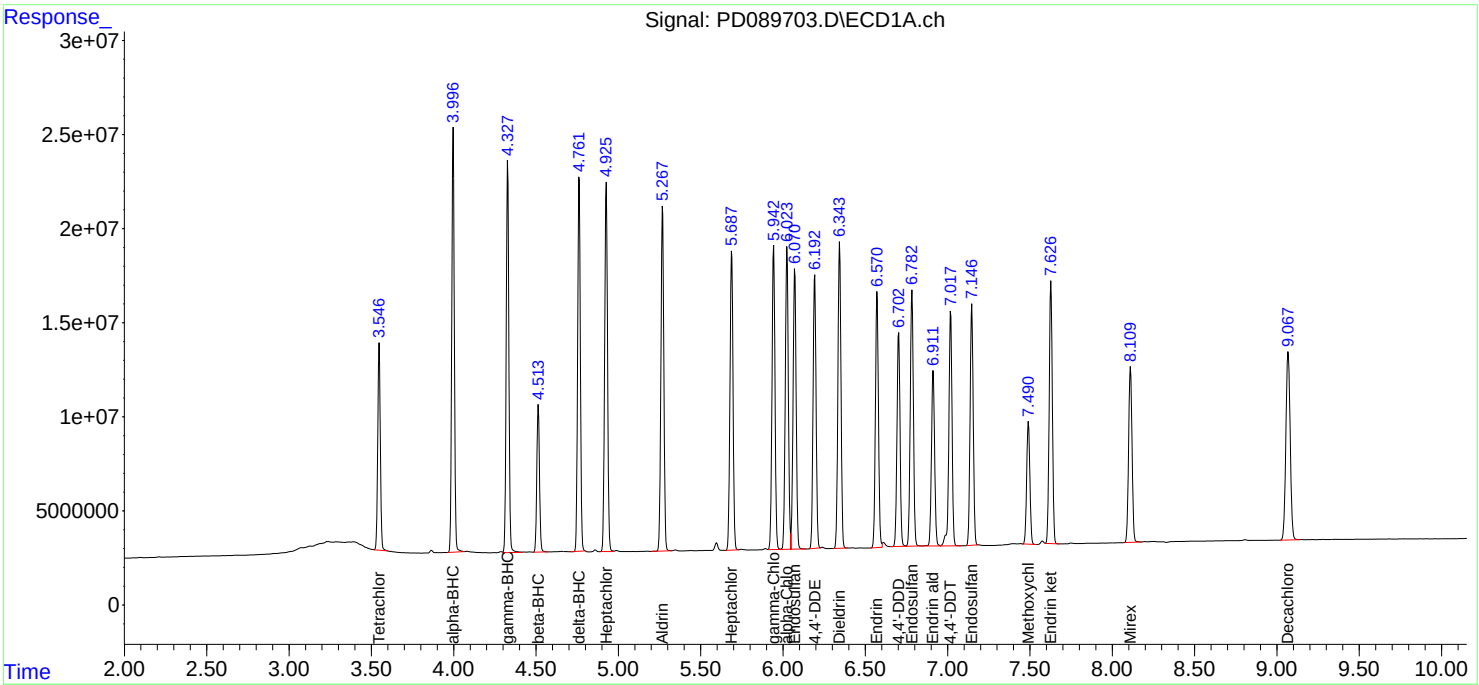
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

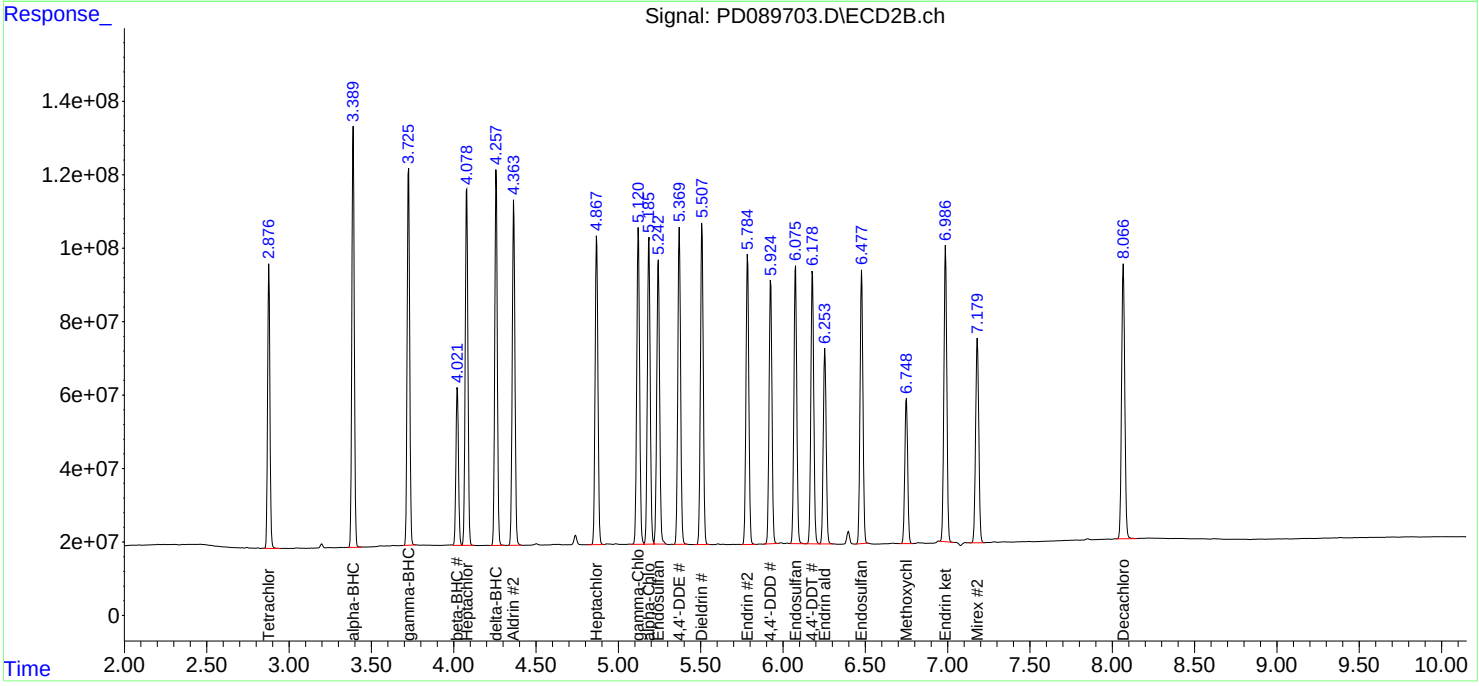
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 15:11
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

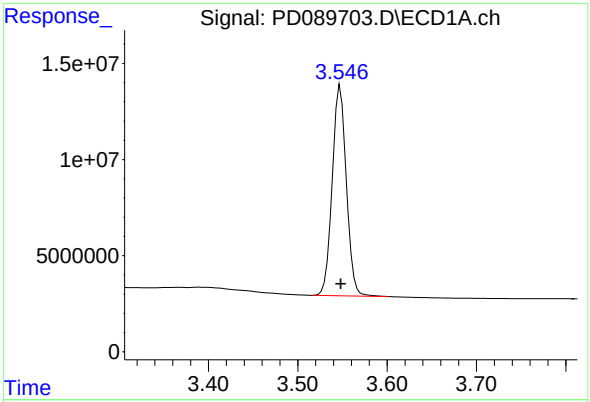
Instrument :
ECD_D
ClientSampleId :
ICVPD073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:29:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



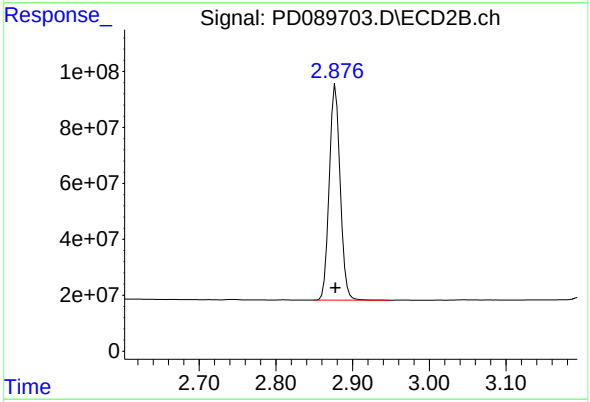




#1 Tetrachloro-m-xylene

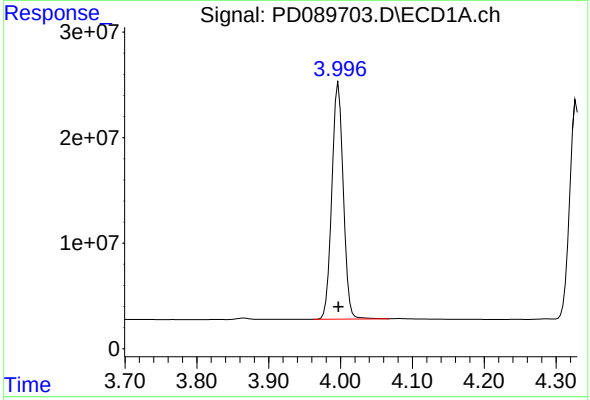
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 119982629
Conc: 48.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



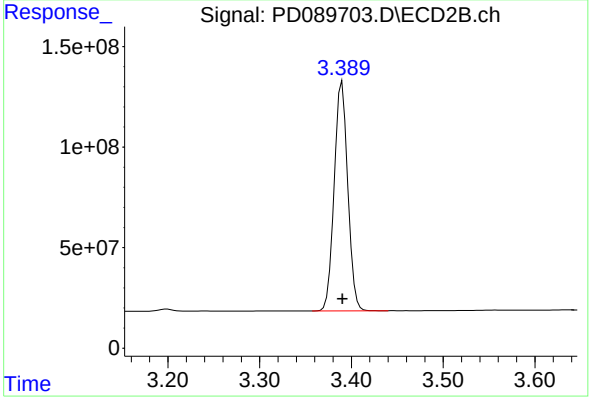
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 761064977
Conc: 48.05 ng/ml



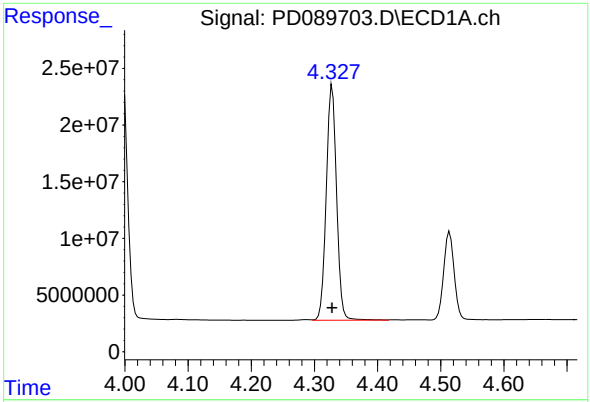
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 247148608
Conc: 49.89 ng/ml



#2 alpha-BHC

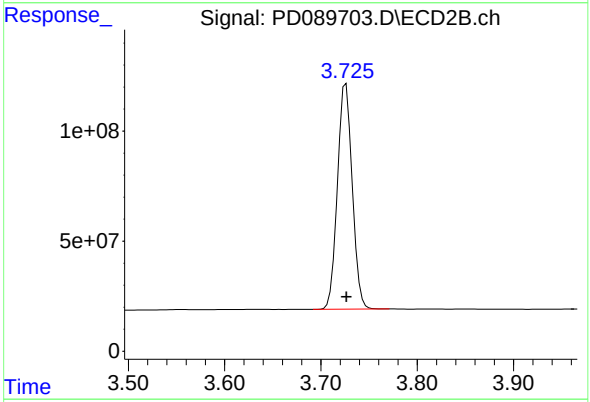
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1174913854
Conc: 48.34 ng/ml



#3 gamma-BHC (Lindane)

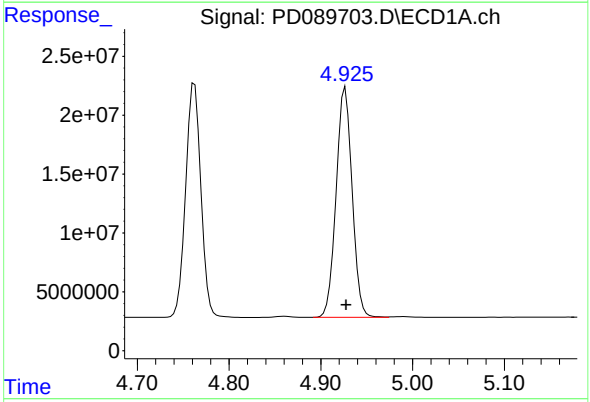
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 234964000
Conc: 49.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



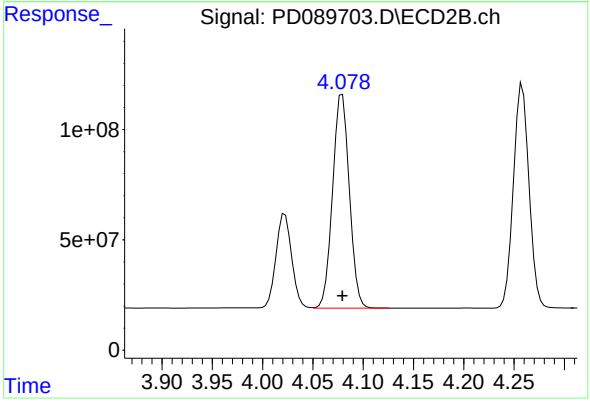
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1091311943
Conc: 48.45 ng/ml



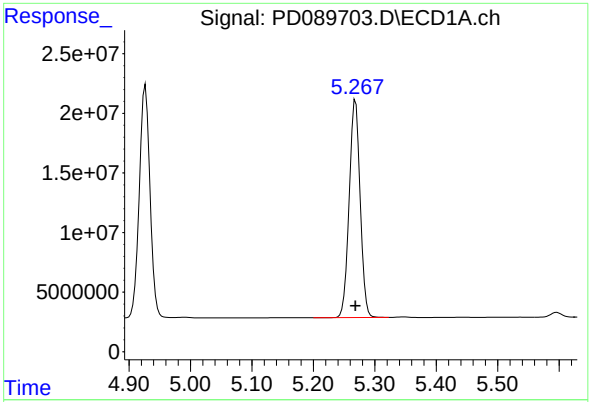
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 236457059
Conc: 49.14 ng/ml



#4 Heptachlor

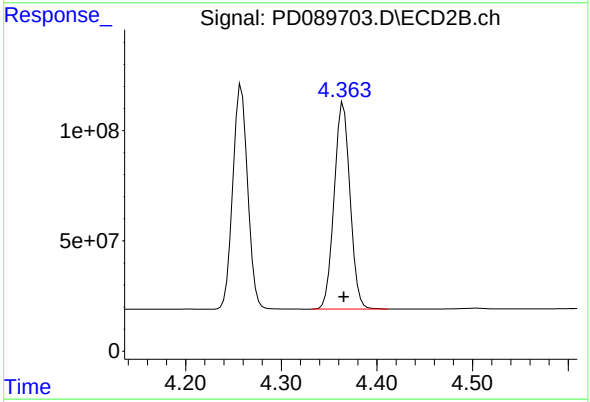
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1118158494
Conc: 48.18 ng/ml



#5 Aldrin

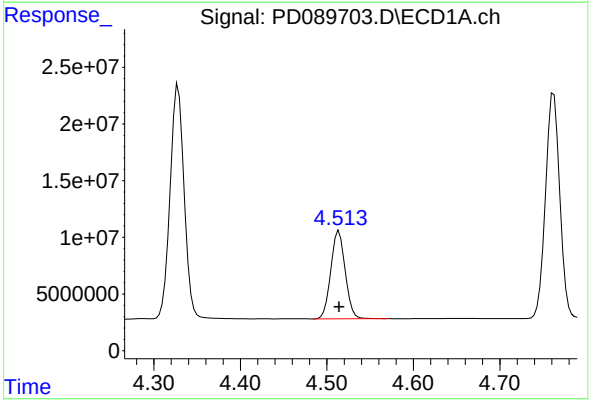
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 226294540
Conc: 49.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



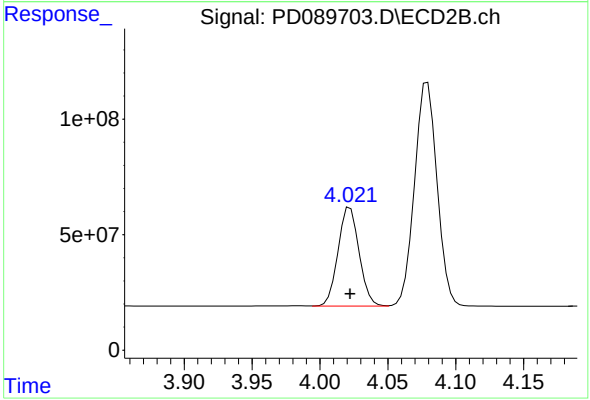
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1080527291
Conc: 48.56 ng/ml



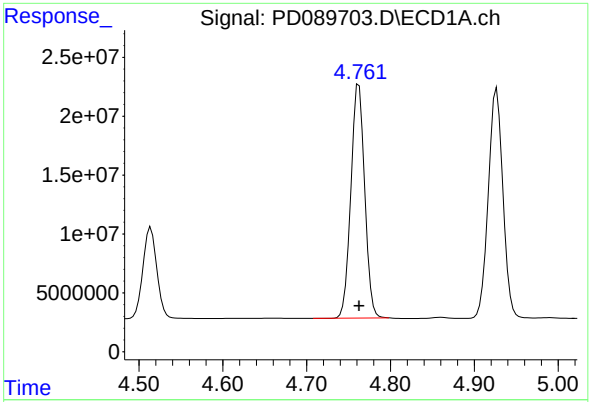
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 89444936
Conc: 48.49 ng/ml



#6 beta-BHC

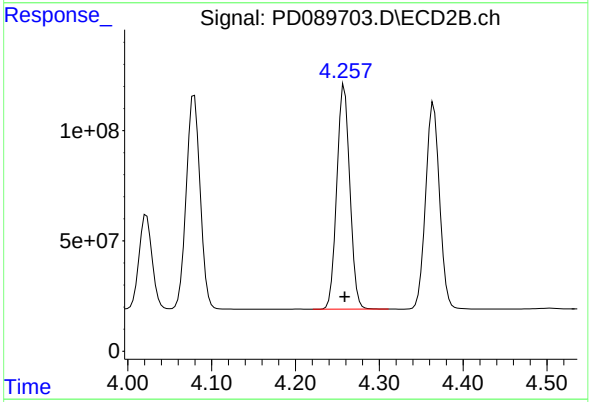
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 462583446
Conc: 47.94 ng/ml



#7 delta-BHC

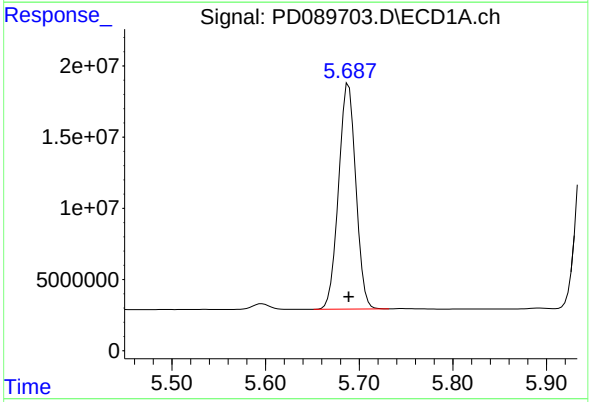
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 227815973
Conc: 49.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



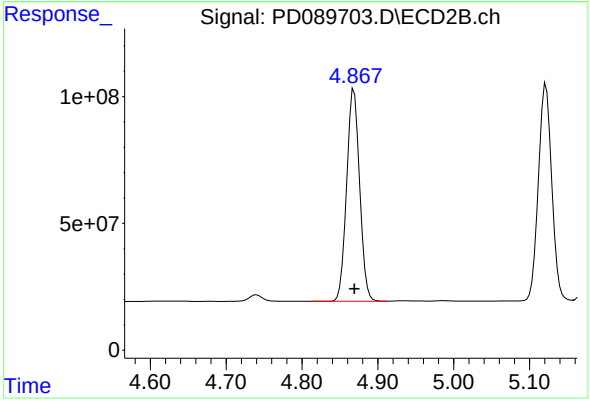
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1097813535
Conc: 48.33 ng/ml



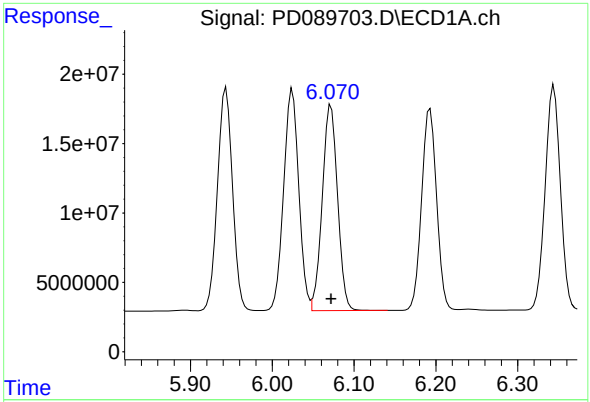
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 203244918
Conc: 48.61 ng/ml



#8 Heptachlor epoxide

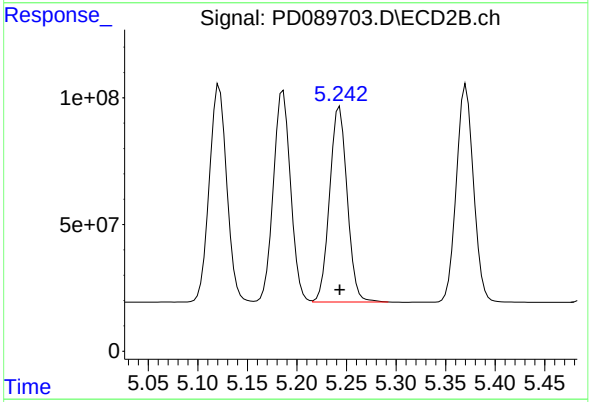
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 995979278
Conc: 48.47 ng/ml



#9 Endosulfan I

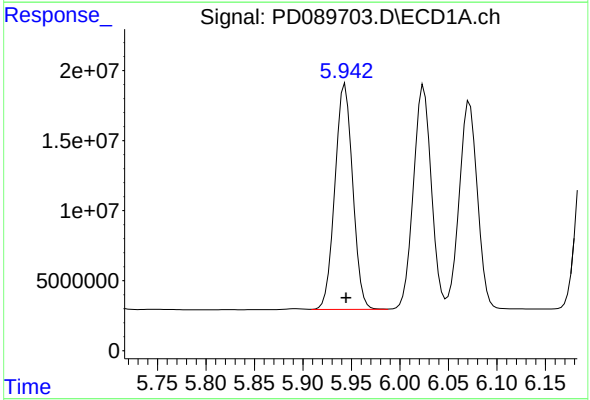
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 193264344
Conc: 48.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



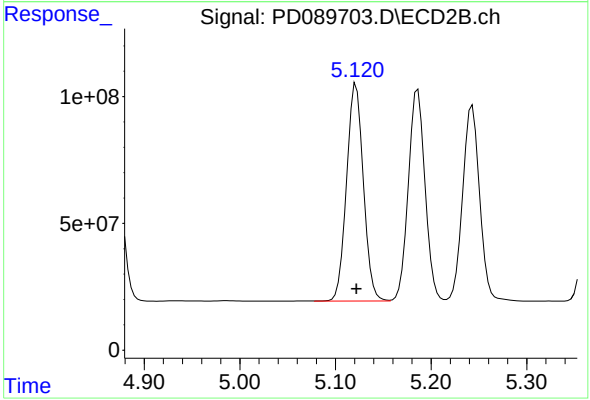
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 951171113
Conc: 48.66 ng/ml



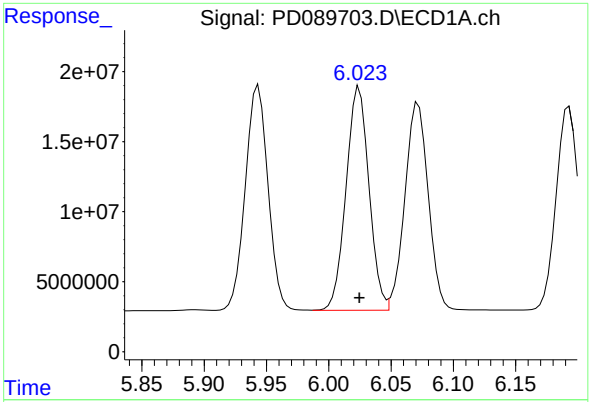
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 205278513
Conc: 49.12 ng/ml



#10 gamma-Chlordane

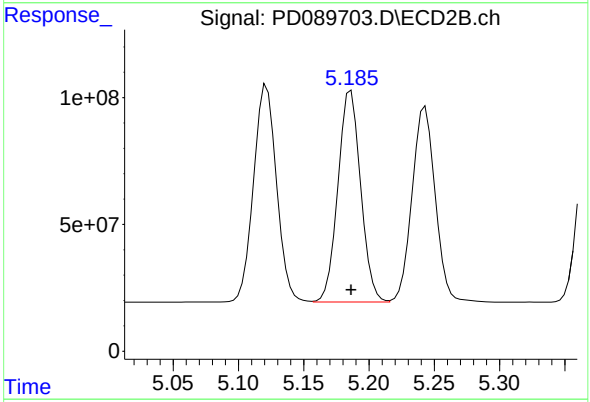
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1052132119
Conc: 48.59 ng/ml



#11 alpha-Chlordane

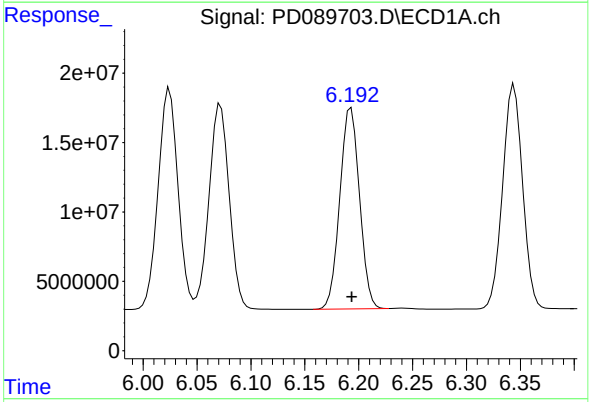
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 205360588
Conc: 48.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



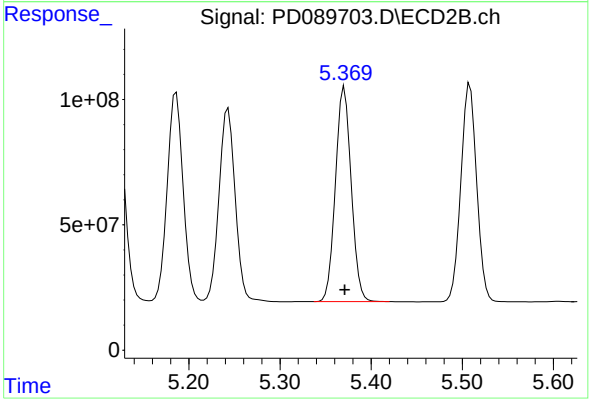
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1010443375
Conc: 48.53 ng/ml



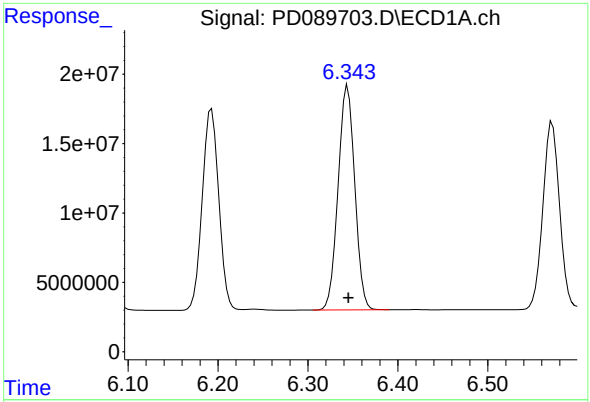
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 184556622
Conc: 49.48 ng/ml



#12 4,4'-DDE

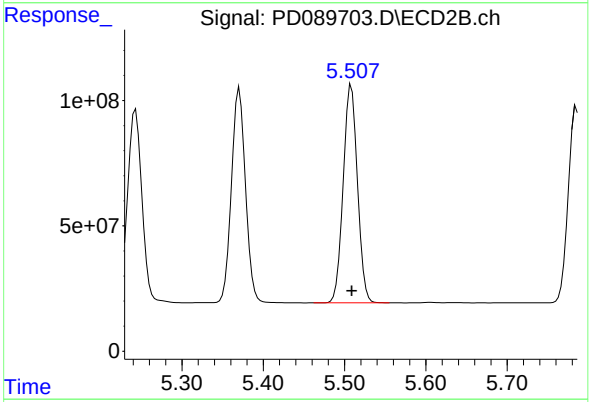
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1030805280
Conc: 48.77 ng/ml



#13 Dieldrin

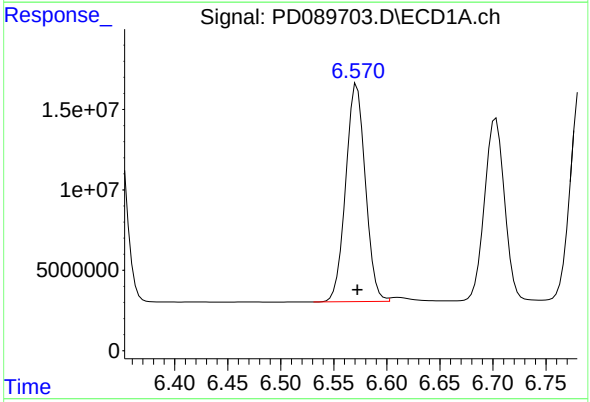
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 208388607
Conc: 49.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



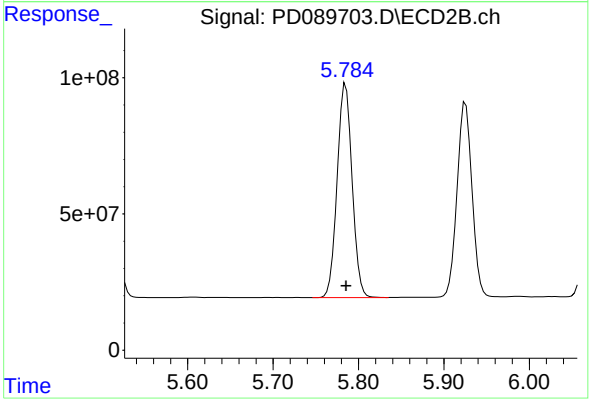
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1056098826
Conc: 48.81 ng/ml



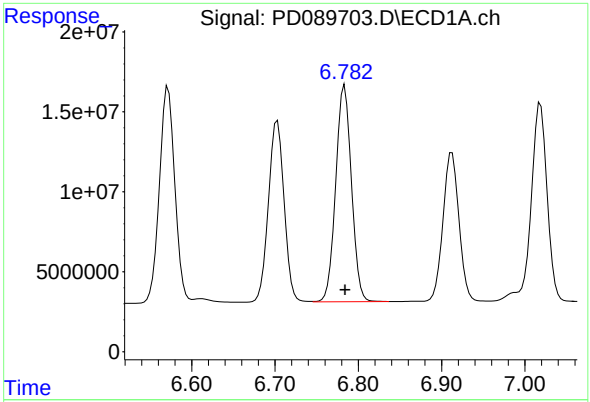
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 174250596
Conc: 48.70 ng/ml



#14 Endrin

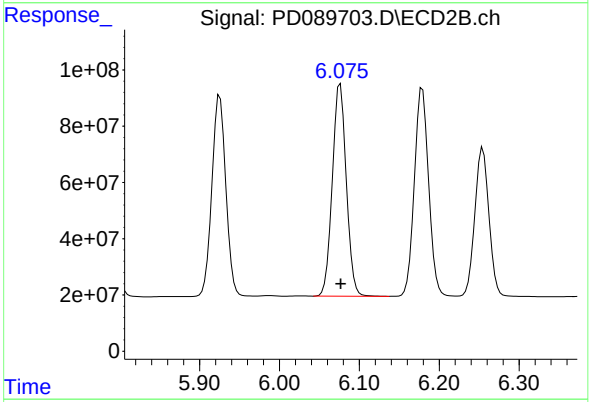
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 956372429
Conc: 48.00 ng/ml



#15 Endosulfan II

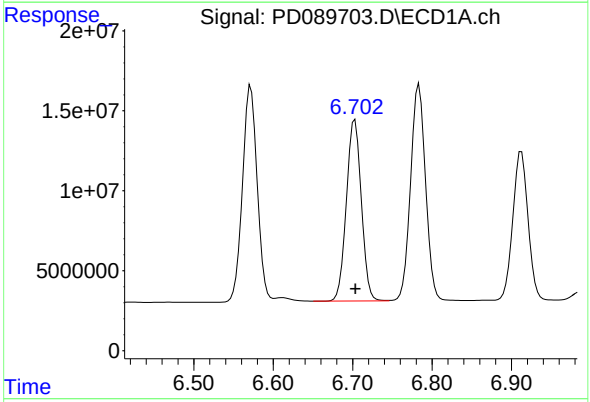
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 177466456
Conc: 48.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



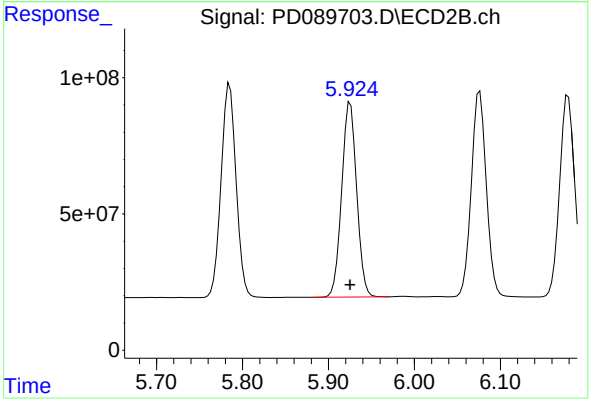
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 917629764
Conc: 48.81 ng/ml



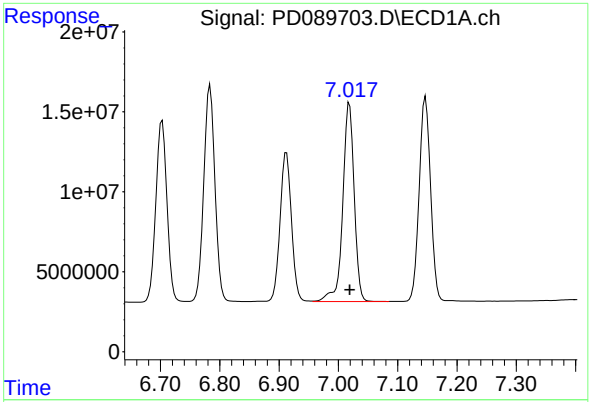
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 148343309
Conc: 49.53 ng/ml



#16 4,4'-DDD

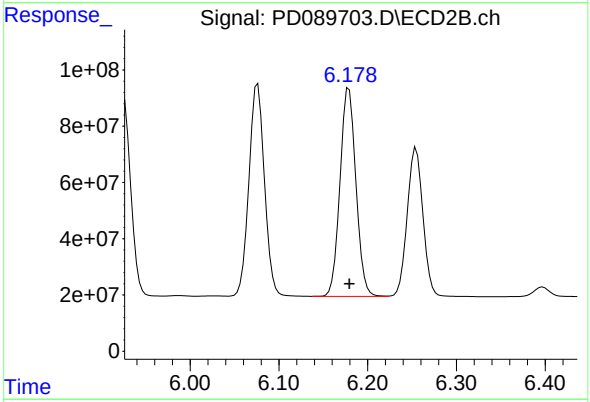
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 869040484
Conc: 49.29 ng/ml



#17 4,4'-DDT

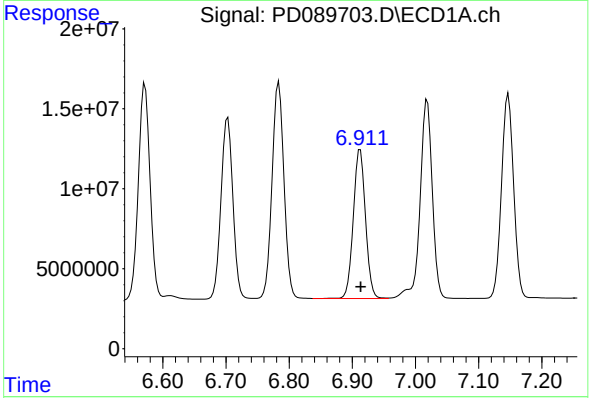
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 166612160
Conc: 49.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



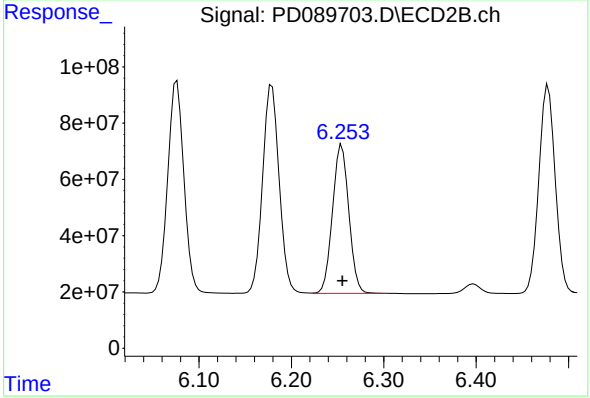
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 923476326
Conc: 50.26 ng/ml



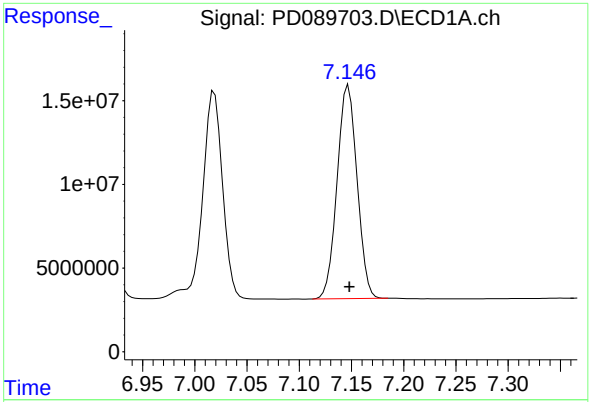
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 124666271
Conc: 49.96 ng/ml



#18 Endrin aldehyde

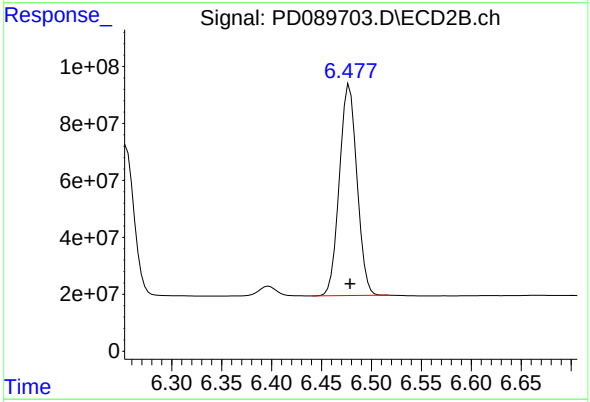
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 648485626
Conc: 50.19 ng/ml



#19 Endosulfan Sulfate

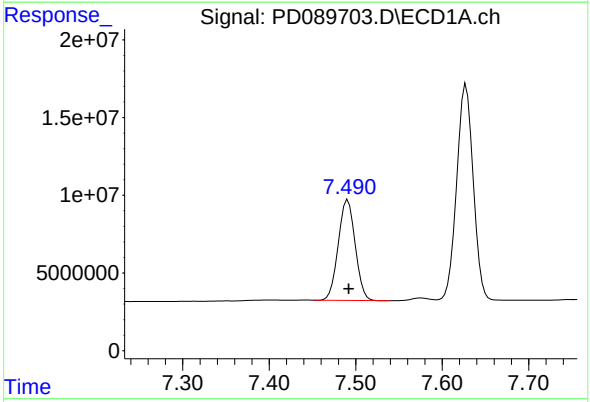
R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 169388064
Conc: 48.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



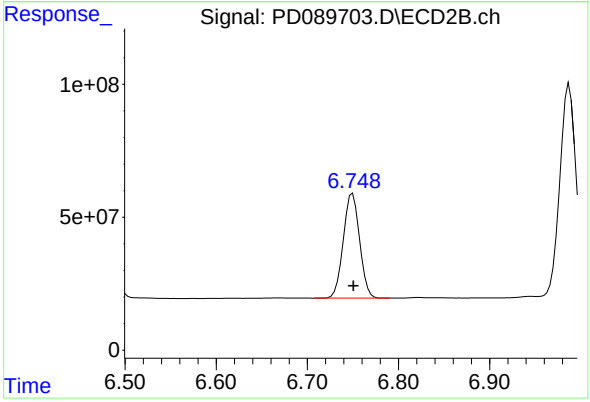
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 910381260
Conc: 49.04 ng/ml



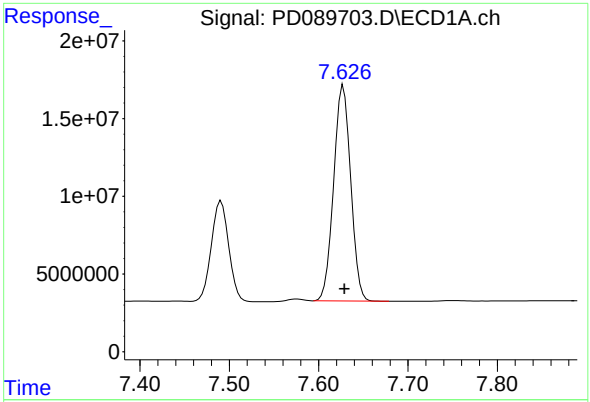
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 87549683
Conc: 48.97 ng/ml



#20 Methoxychlor

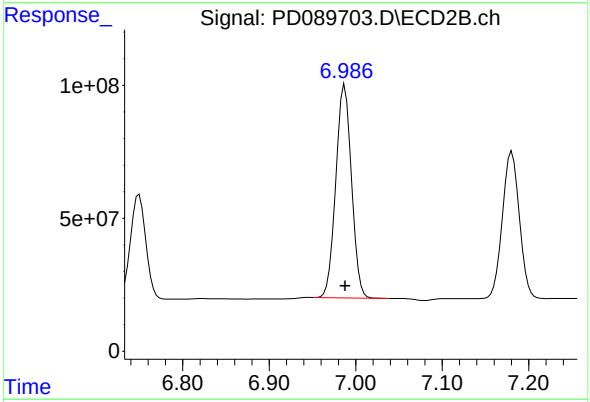
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 489233174
Conc: 49.94 ng/ml



#21 Endrin ketone

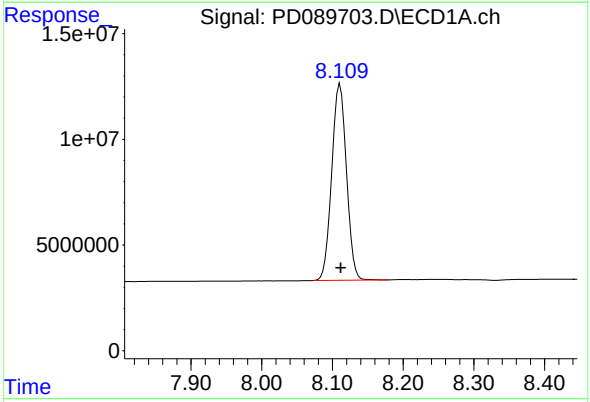
R.T.: 7.628 min
Delta R.T.: -0.001 min
Response: 184026247
Conc: 49.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



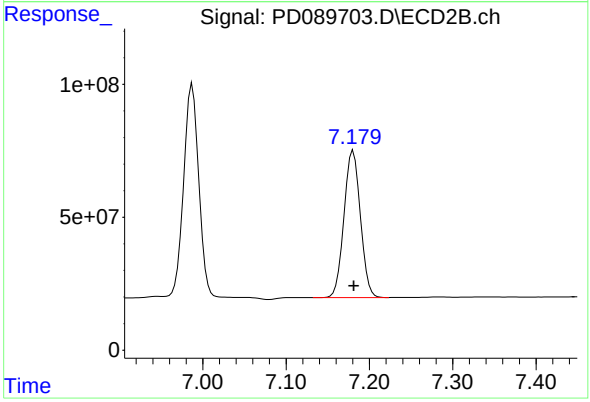
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1003659113
Conc: 50.01 ng/ml



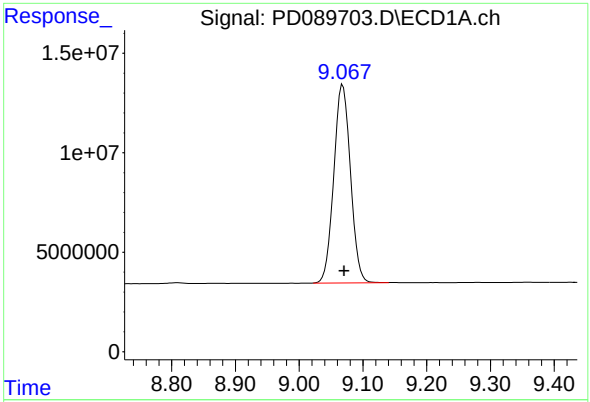
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.001 min
Response: 134734550
Conc: 48.32 ng/ml



#22 Mirex

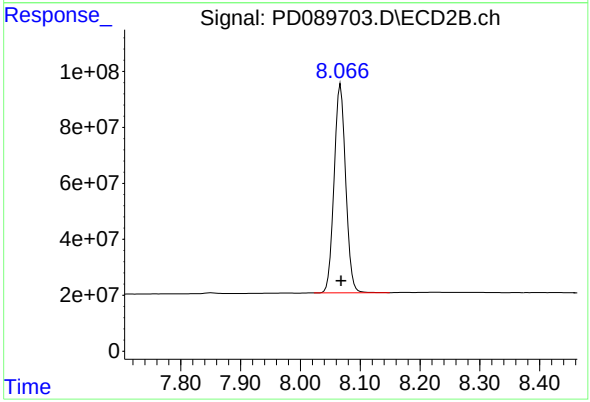
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 755703437
Conc: 49.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.002 min
Response: 181585107
Conc: 48.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 1003935846
Conc: 50.00 ng/ml

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L
Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/28/2025 07/28/2025
Calibration Times: 16:52 17:47

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

LAB FILE ID: RT 100 = PL096596.D RT 075 = PL096597.D
RT 050 = PL096598.D RT 025 = PL096599.D RT 005 = PL096600.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.68	6.68	6.68	6.68	6.67	6.68	6.58	6.78
4,4'-DDE	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
4,4'-DDT	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
Aldrin	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
alpha-BHC	3.98	3.98	3.98	3.98	3.98	3.98	3.88	4.08
alpha-Chlordane	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
beta-BHC	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Decachlorobiphenyl	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
delta-BHC	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Dieldrin	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Endosulfan I	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Endosulfan II	6.76	6.76	6.76	6.76	6.75	6.75	6.65	6.85
Endosulfan sulfate	7.12	7.12	7.12	7.12	7.12	7.12	7.02	7.22
Endrin	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Endrin aldehyde	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98
Endrin ketone	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
gamma-BHC (Lindane)	4.31	4.31	4.31	4.31	4.31	4.31	4.21	4.41
gamma-Chlordane	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Heptachlor	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Heptachlor epoxide	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Methoxychlor	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.53	3.53	3.43	3.63

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L
Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/28/2025 07/28/2025
Calibration Times: 16:52 17:47

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

LAB FILE ID: RT 100 = PL096596.D RT 075 = PL096597.D
RT 050 = PL096598.D RT 025 = PL096599.D RT 005 = PL096600.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
4,4'-DDE	5.30	5.30	5.30	5.30	5.30	5.30	5.20	5.40
4,4'-DDT	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aldrin	4.30	4.30	4.30	4.30	4.30	4.30	4.20	4.40
alpha-BHC	3.33	3.33	3.33	3.33	3.33	3.33	3.23	3.43
alpha-Chlordane	5.12	5.12	5.12	5.12	5.12	5.11	5.01	5.21
beta-BHC	3.96	3.96	3.96	3.96	3.96	3.96	3.86	4.06
Decachlorobiphenyl	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
delta-BHC	4.20	4.20	4.20	4.20	4.19	4.19	4.09	4.29
Dieldrin	5.44	5.44	5.43	5.43	5.43	5.43	5.33	5.53
Endosulfan I	5.17	5.17	5.17	5.17	5.17	5.17	5.07	5.27
Endosulfan II	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Endosulfan sulfate	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Endrin	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Endrin aldehyde	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Endrin ketone	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
gamma-BHC (Lindane)	3.67	3.67	3.67	3.67	3.66	3.66	3.56	3.76
gamma-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Heptachlor	4.01	4.01	4.01	4.01	4.01	4.01	3.91	4.11
Heptachlor epoxide	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Methoxychlor	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Tetrachloro-m-xylene	2.83	2.83	2.83	2.83	2.83	2.83	2.73	2.93

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/28/2025 07/28/2025
Calibration Times: 16:52 17:47

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

LAB FILE ID: CF 100 = PL096596.D CF 075 = PL096597.D
CF 050 = PL096598.D CF 025 = PL096599.D CF 005 = PL096600.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2615150000	2542280000	2523890000	2500980000	2459540000	2528370000	2
4,4'-DDE	3382020000	3179740000	3147240000	3113410000	3233830000	3211250000	3
4,4'-DDT	2980050000	2901890000	2884740000	2837350000	2734400000	2867690000	3
Aldrin	4418080000	4273520000	4268380000	4243090000	4301950000	4301000000	2
alpha-BHC	4873630000	4685670000	4645170000	4549100000	4378210000	4626350000	4
alpha-Chlordane	3883510000	3780330000	3801880000	3877780000	3929720000	3854650000	2
beta-BHC	1772460000	1750490000	1781040000	1856990000	1863870000	1804970000	3
Decachlorobiphenyl	2289370000	2250980000	2316430000	2450150000	2616360000	2384660000	6
delta-BHC	4161630000	4012240000	3978460000	3955030000	3841950000	3989860000	3
Dieldrin	3849470000	3737590000	3712880000	3678490000	3577310000	3711150000	3
Endosulfan I	3668500000	3524950000	3536580000	3570970000	3680850000	3596370000	2
Endosulfan II	3069420000	3008630000	3042800000	3175650000	3716720000	3202640000	9
Endosulfan sulfate	2875180000	2814890000	2851640000	2870280000	2956480000	2873690000	2
Endrin	3129990000	2990370000	2986700000	3066080000	2960790000	3026790000	2
Endrin aldehyde	2129160000	2102960000	2124970000	2164420000	2208060000	2145920000	2
Endrin ketone	3023290000	2975820000	3003920000	3029220000	3001370000	3006720000	1
gamma-BHC (Lindane)	4576650000	4410990000	4390520000	4378210000	4360850000	4423440000	2
gamma-Chlordane	3912350000	3800880000	3800750000	3806650000	3705560000	3805240000	2
Heptachlor	4215340000	4096230000	4129500000	4154230000	4183150000	4155690000	1
Heptachlor epoxide	3888140000	3791890000	3847180000	3911860000	3843640000	3856540000	1
Methoxychlor	1449590000	1444460000	1478010000	1507550000	1462160000	1468350000	2
Tetrachloro-m-xylene	3176500000	3106160000	3136600000	3226680000	3257980000	3180780000	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/28/2025 07/28/2025
Calibration Times: 16:52 17:47

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

LAB FILE ID: CF 100 = PL096596.D CF 075 = PL096597.D
CF 050 = PL096598.D CF 025 = PL096599.D CF 005 = PL096600.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4739770000	4648800000	4693360000	4702740000	4741750000	4705280000	1
4,4'-DDE	5653430000	5561070000	5540610000	5437860000	5379080000	5514410000	2
4,4'-DDT	5212890000	5114220000	5118490000	5045850000	4800030000	5058300000	3
Aldrin	6310530000	6202530000	6230090000	6182780000	6109380000	6207060000	1
alpha-BHC	7308810000	7159610000	7137170000	7045380000	6734230000	7077040000	3
alpha-Chlordane	5806170000	5731520000	5800200000	5896310000	6260360000	5898910000	4
beta-BHC	2740170000	2730810000	2782730000	2873420000	2977360000	2820900000	4
Decachlorobiphenyl	4108230000	4098750000	4223500000	4429960000	4831160000	4338320000	7
delta-BHC	6621180000	6509520000	6495090000	6469880000	6272460000	6473630000	2
Dieldrin	5973840000	5884270000	5897970000	5923090000	5853560000	5906550000	1
Endosulfan I	5357100000	5308830000	5362730000	5541910000	6086480000	5531410000	6
Endosulfan II	5116760000	5062950000	5122660000	5175210000	5203600000	5136240000	1
Endosulfan sulfate	5007540000	4977340000	5062730000	5135950000	5247510000	5086210000	2
Endrin	5415430000	5344790000	5376200000	5344400000	5549010000	5405970000	2
Endrin aldehyde	3589550000	3619430000	3751370000	3952130000	5791870000	4140870000	23
Endrin ketone	5489410000	5439780000	5529300000	5876580000	5513690000	5569750000	3
gamma-BHC (Lindane)	6730030000	6610730000	6634310000	6589530000	6452200000	6603360000	2
gamma-Chlordane	5958660000	5857990000	5898300000	5915340000	5770280000	5880110000	1
Heptachlor	6694450000	6605950000	6658580000	6695280000	6655490000	6661950000	1
Heptachlor epoxide	5706360000	5635230000	5698940000	5730960000	5785230000	5711340000	1
Methoxychlor	2677460000	2673930000	2731560000	2788840000	2830690000	2740500000	3
Tetrachloro-m-xylene	4740810000	4674260000	4731000000	4815490000	4927290000	4777770000	2

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Instrument ID: ECD_L **Date(s) Analyzed:** 07/28/2025 07/28/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.21	6.11	6.31	29153500
		2	6.61	6.51	6.71	24445000
		3	7.02	6.92	7.12	110273000
		4	7.11	7.01	7.21	81046400
		5	7.89	7.79	7.99	57873100

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

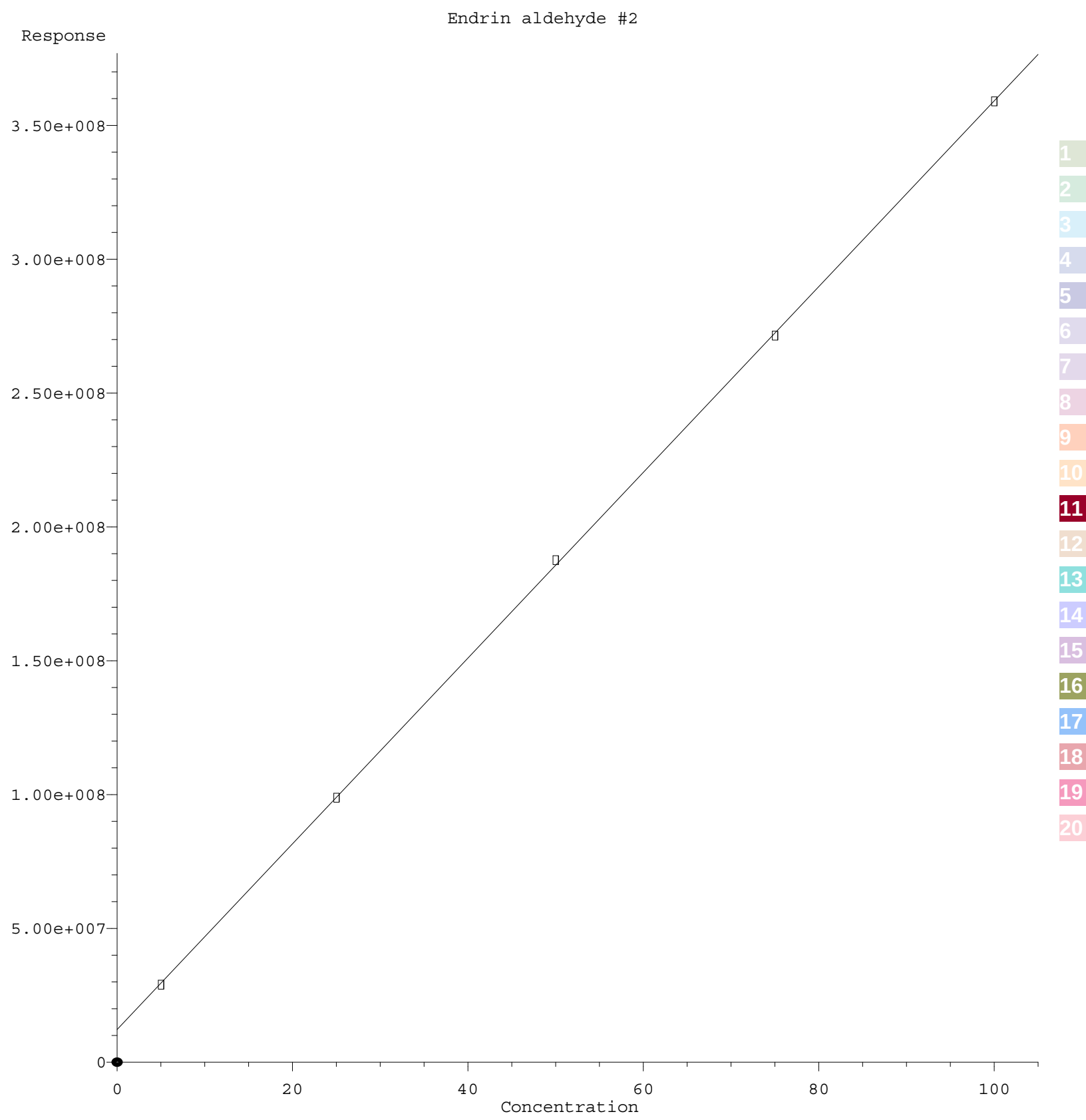
Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Instrument ID: ECD_L **Date(s) Analyzed:** 07/28/2025 07/28/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.07	4.97	5.17	34047600
		2	5.76	5.66	5.86	44078700
		3	6.04	5.94	6.14	44632800
		4	6.67	6.57	6.77	147063000
		5	7.11	7.01	7.21	92006100



Response = 3.469e+006 * Amt + 1.224e+007
Coef of Det (r^2) = 0.999929 Curve Fit: Linear
Method: C:\Chemstation\1\Testpcbsrv\HPCHEM1\ECD L\methods\PL072825.M
Calibration Table Last Updated: Fri Aug 08 15:43:38 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:44:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	317.6E6	474.1E6	101.272	100.207
28)	SA Decachlor...	9.015	7.992	228.9E6	410.8E6	98.832	97.271
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	487.4E6	730.9E6	104.918	102.405
3)	MA gamma-BHC...	4.311	3.665	457.7E6	673.0E6	104.239	101.443
4)	MA Heptachlor	4.903	4.014	421.5E6	669.4E6	102.079	100.539
5)	MB Aldrin	5.243	4.297	441.8E6	631.1E6	103.507	101.291
6)	B beta-BHC	4.497	3.962	177.2E6	274.0E6	99.519	98.471
7)	B delta-BHC	4.743	4.195	416.2E6	662.1E6	104.604	101.941
8)	B Heptachlo...	5.663	4.799	388.8E6	570.6E6	101.065	100.130
9)	A Endosulfan I	6.044	5.170	366.8E6	535.7E6	103.730	99.895
10)	B gamma-Chl...	5.916	5.051	391.2E6	595.9E6	102.936	101.023
11)	B alpha-Chl...	5.997	5.115	388.4E6	580.6E6	102.147	100.103
12)	B 4,4'-DDE	6.167	5.304	338.2E6	565.3E6	107.460	102.036
13)	MA Dieldrin	6.316	5.435	384.9E6	597.4E6	103.679	101.286
14)	MA Endrin	6.543	5.709	313.0E6	541.5E6	104.797	100.730
15)	B Endosulfa...	6.755	6.001	306.9E6	511.7E6	100.875	99.885
16)	A 4,4'-DDD	6.676	5.857	261.5E6	474.0E6	103.616	100.989
17)	MA 4,4'-DDT	6.989	6.109	298.0E6	521.3E6	103.304	101.844
18)	B Endrin al...	6.883	6.179	212.9E6	359.0E6	100.197	95.686
19)	B Endosulfa...	7.118	6.403	287.5E6	500.8E6	100.826	98.910
20)	A Methoxychlor	7.462	6.681	145.0E6	267.7E6	98.077	98.019
21)	B Endrin ke...	7.597	6.907	302.3E6	548.9E6	100.645	99.278
22)	Mirex	8.076	7.098	237.9E6	412.0E6	97.547	96.837

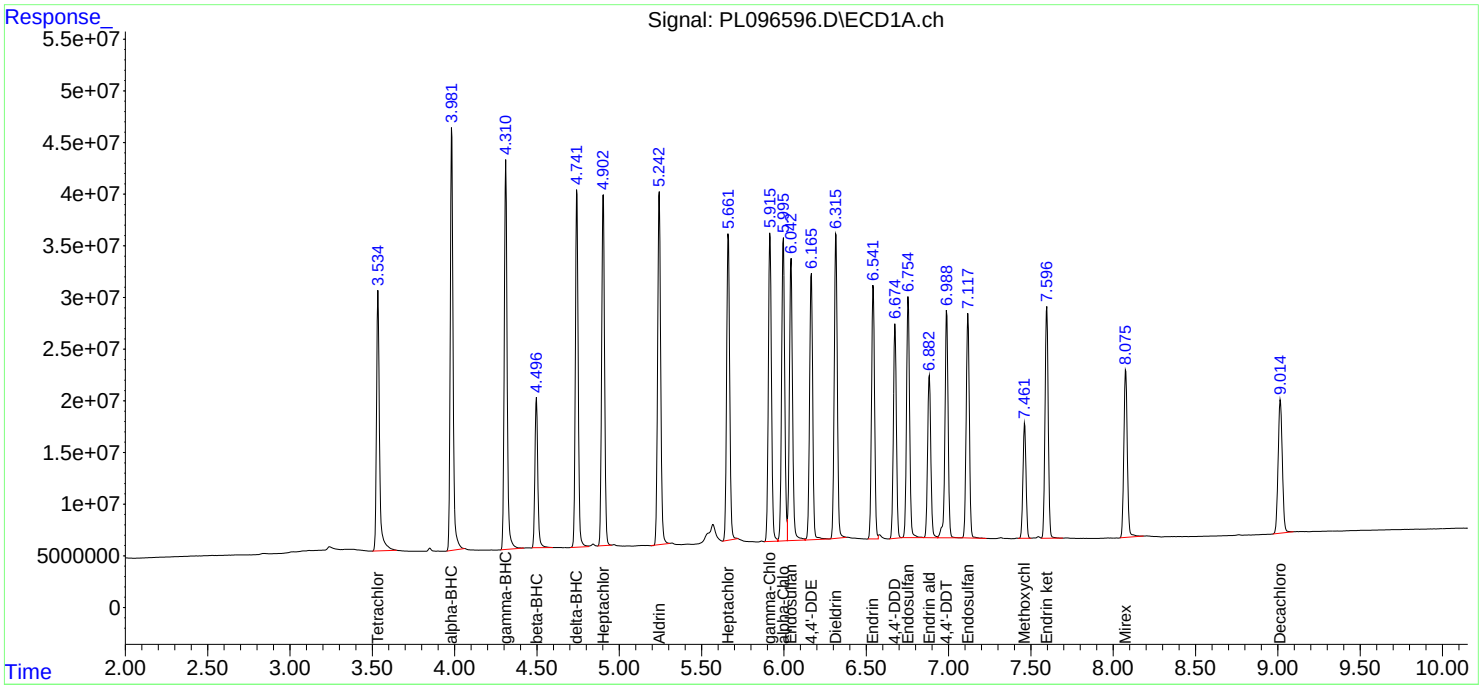
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

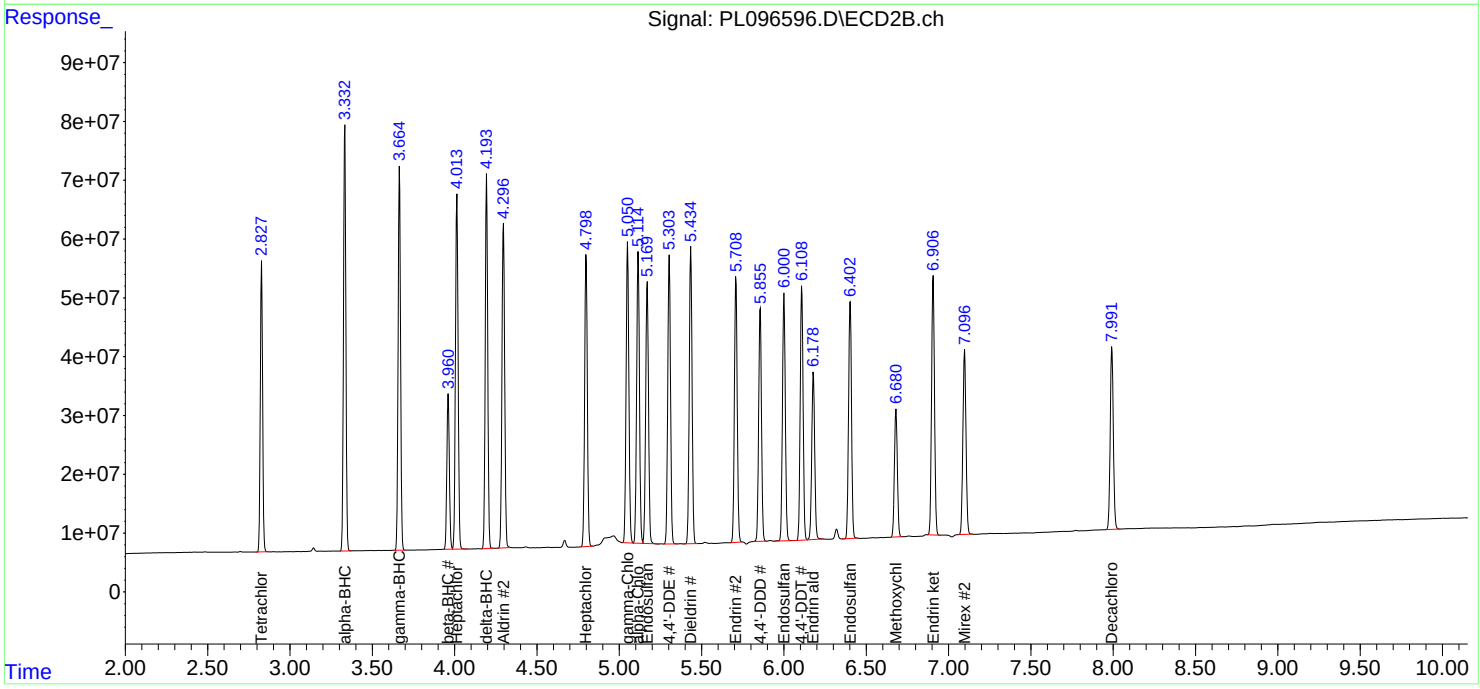
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

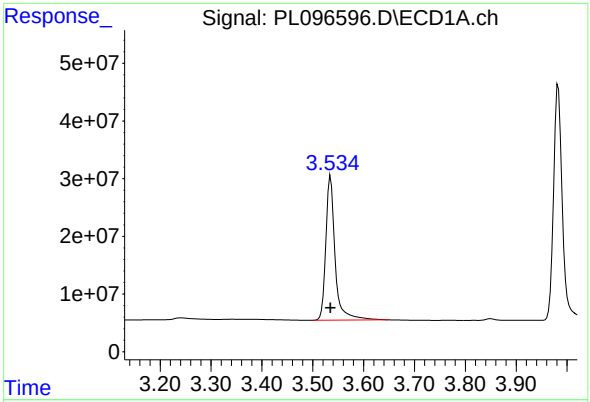
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:44:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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



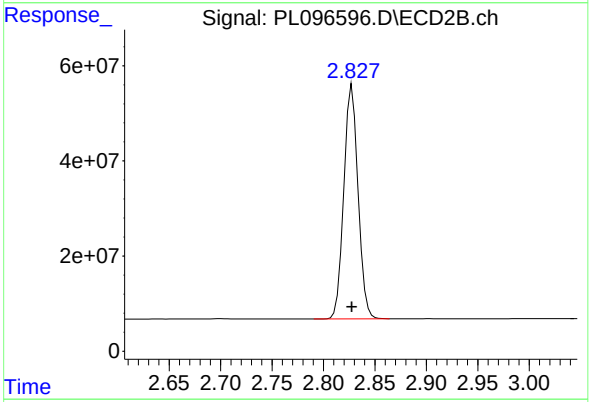




#1 Tetrachloro-m-xylene

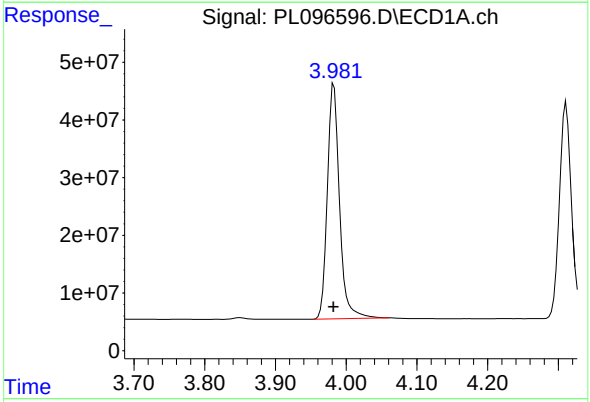
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 317649612
Conc: 101.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



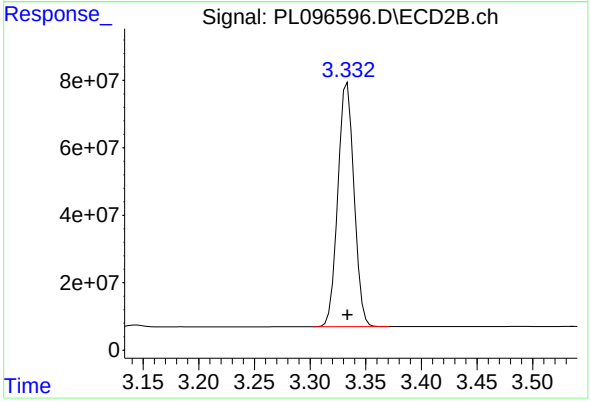
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 474080616
Conc: 100.21 ng/ml



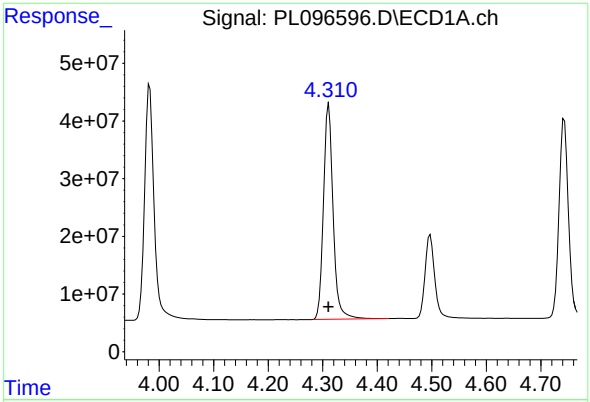
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 487363323
Conc: 104.92 ng/ml



#2 alpha-BHC

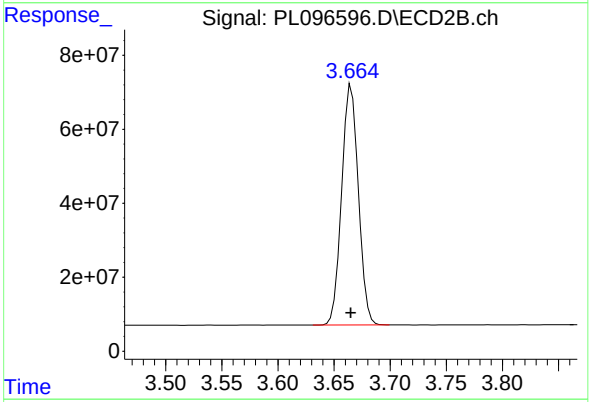
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 730880517
Conc: 102.40 ng/ml



#3 gamma-BHC (Lindane)

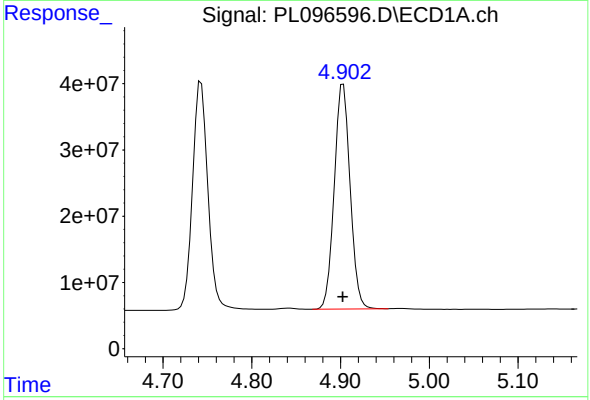
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 457665420
Conc: 104.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



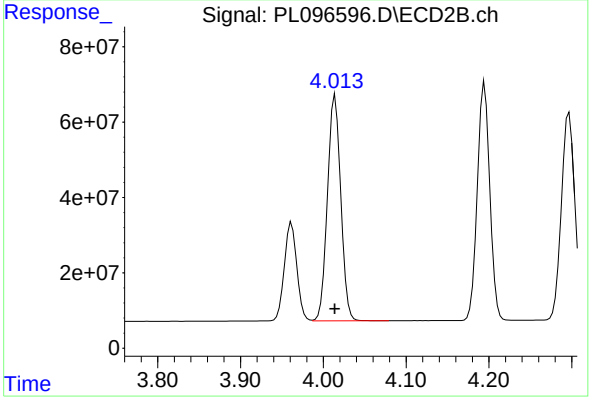
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 673002560
Conc: 101.44 ng/ml



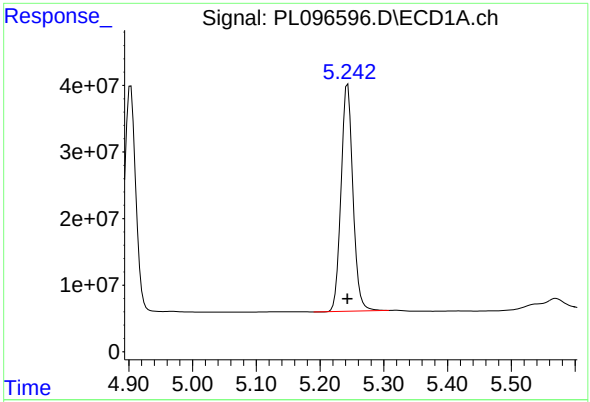
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 421533951
Conc: 102.08 ng/ml



#4 Heptachlor

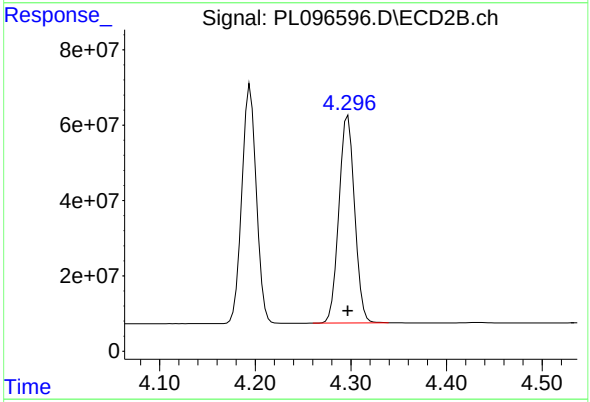
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 669445389
Conc: 100.54 ng/ml



#5 Aldrin

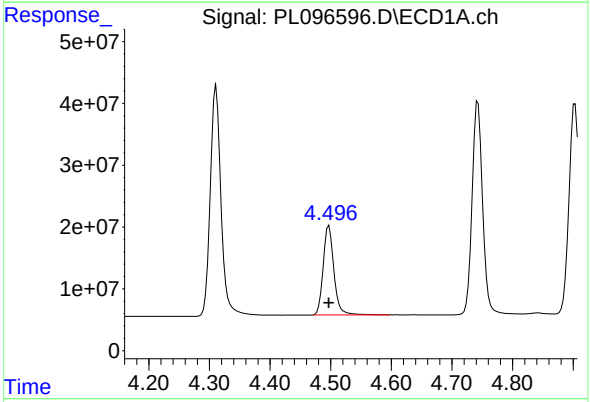
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 441807820
Conc: 103.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



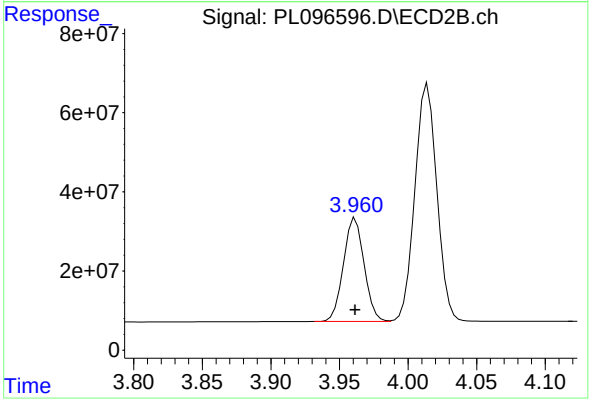
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 631053302
Conc: 101.29 ng/ml



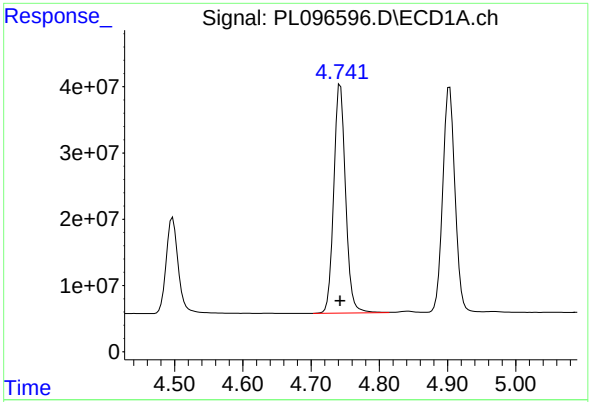
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 177246384
Conc: 99.52 ng/ml



#6 beta-BHC

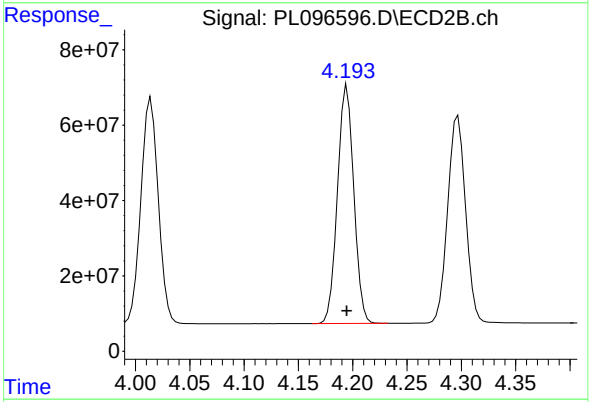
R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 274017290
Conc: 98.47 ng/ml



#7 delta-BHC

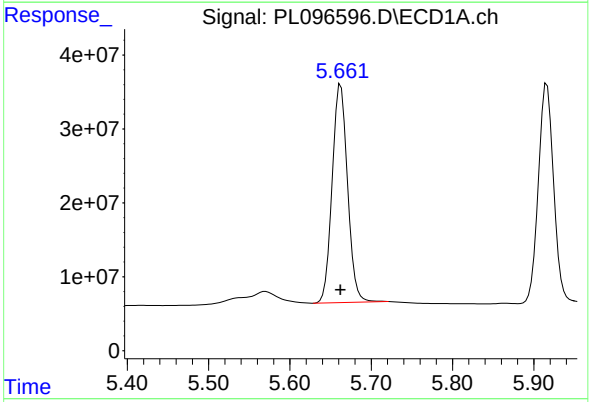
R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 416162516
Conc: 104.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



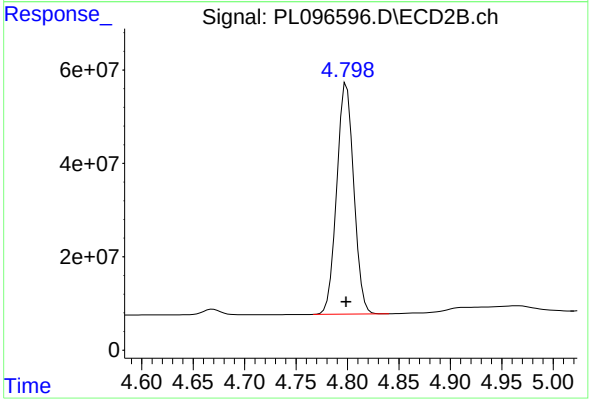
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 662118416
Conc: 101.94 ng/ml



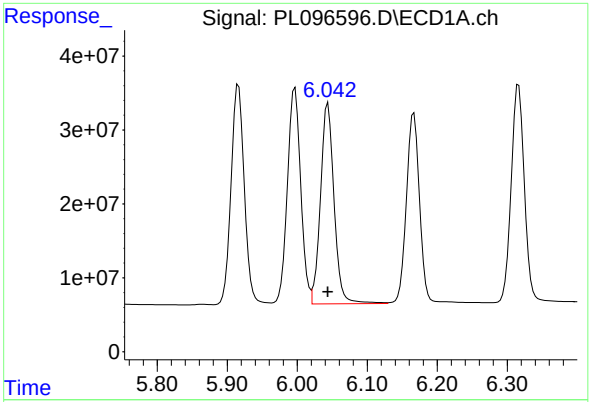
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: 0.000 min
Response: 388813747
Conc: 101.06 ng/ml



#8 Heptachlor epoxide

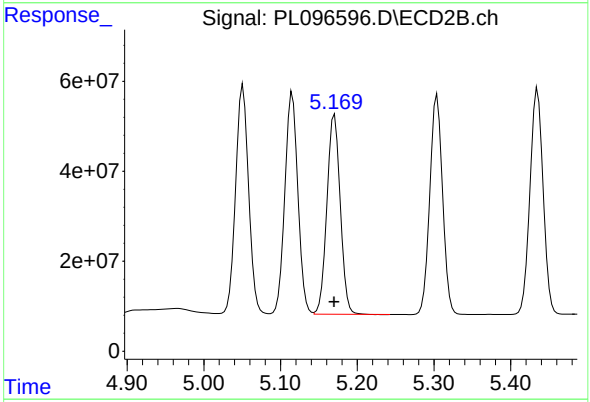
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 570635747
Conc: 100.13 ng/ml



#9 Endosulfan I

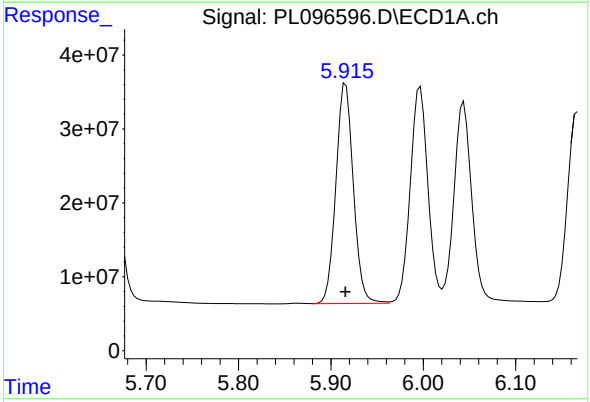
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 366849911
Conc: 103.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



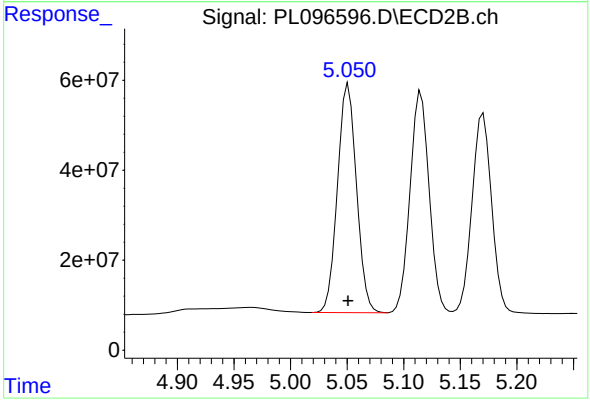
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 535710057
Conc: 99.90 ng/ml



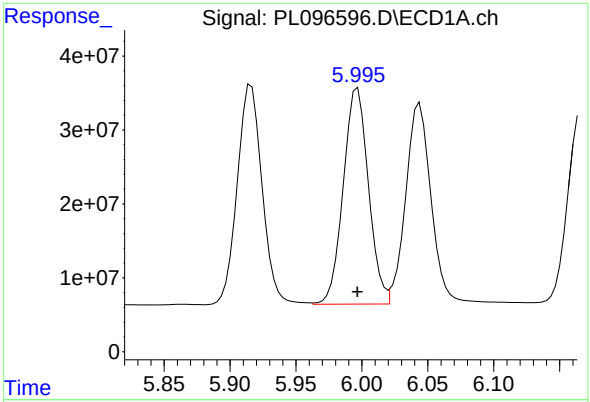
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 391234530
Conc: 102.94 ng/ml



#10 gamma-Chlordane

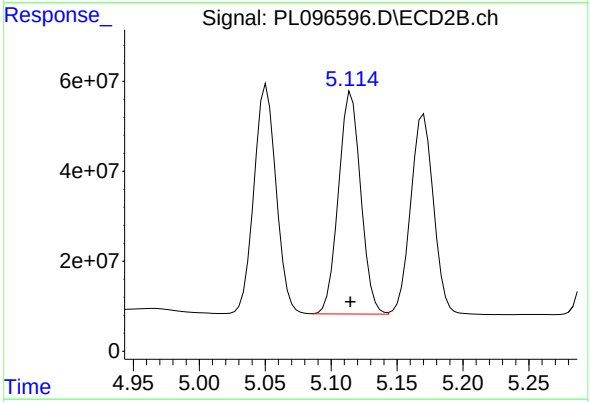
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 595865751
Conc: 101.02 ng/ml



#11 alpha-Chlordane

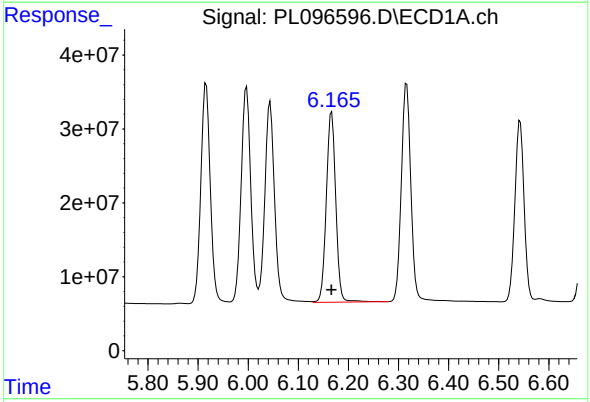
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 388351267
Conc: 102.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



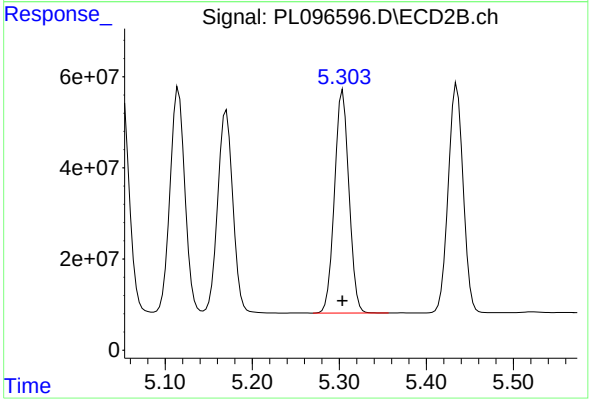
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 580616706
Conc: 100.10 ng/ml



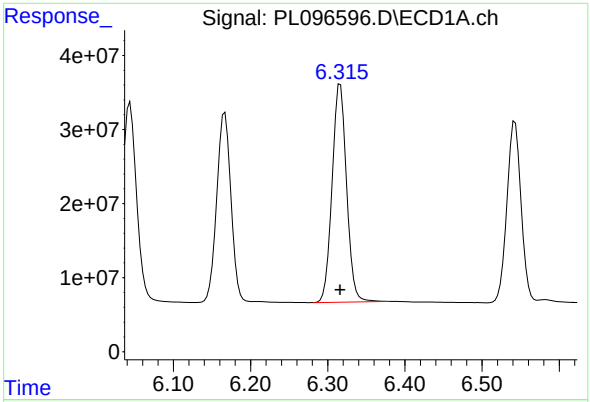
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: 0.000 min
Response: 338202440
Conc: 107.46 ng/ml



#12 4,4'-DDE

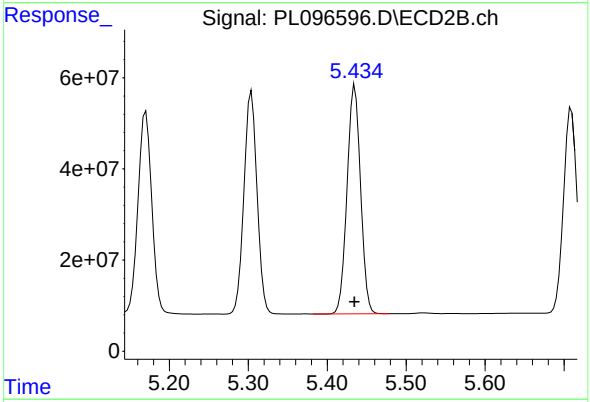
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 565343423
Conc: 102.04 ng/ml



#13 Dieldrin

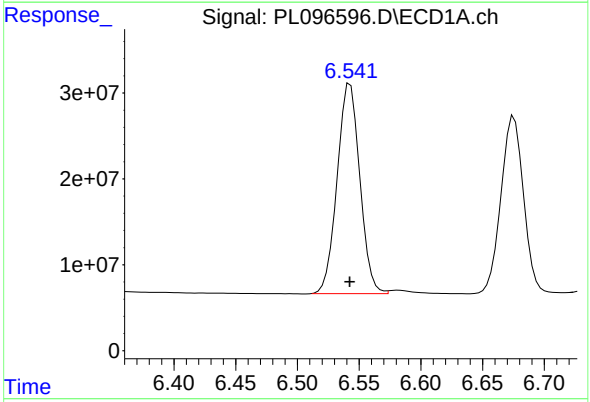
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 384947334
Conc: 103.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



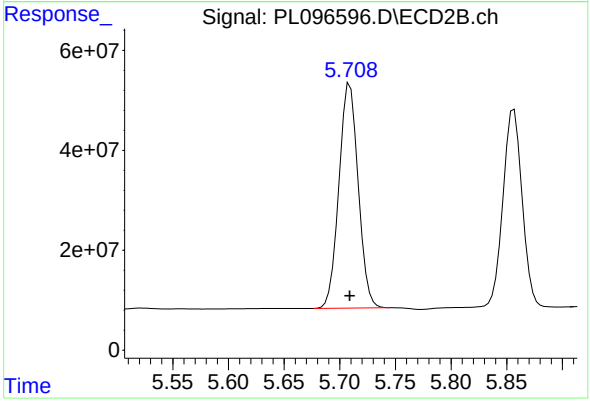
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 597384135
Conc: 101.29 ng/ml



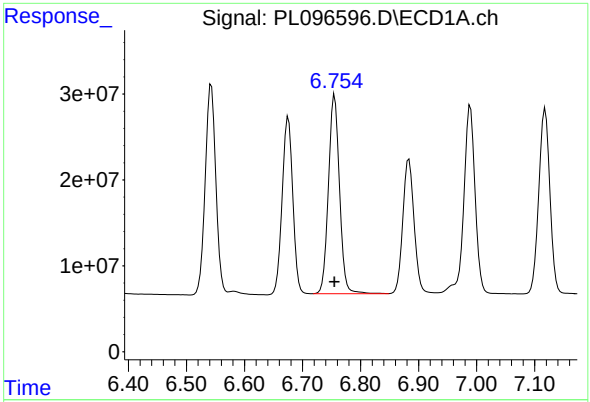
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 312998820
Conc: 104.80 ng/ml



#14 Endrin

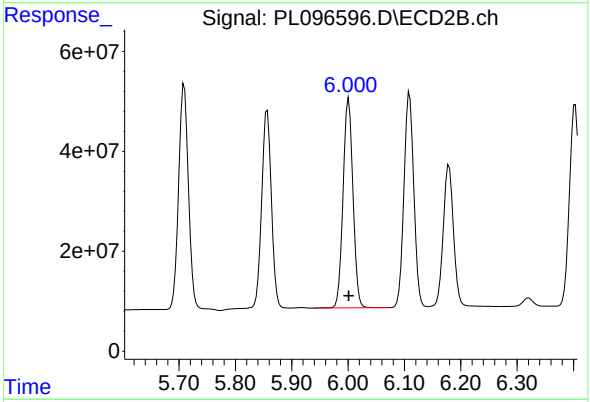
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 541542527
Conc: 100.73 ng/ml



#15 Endosulfan II

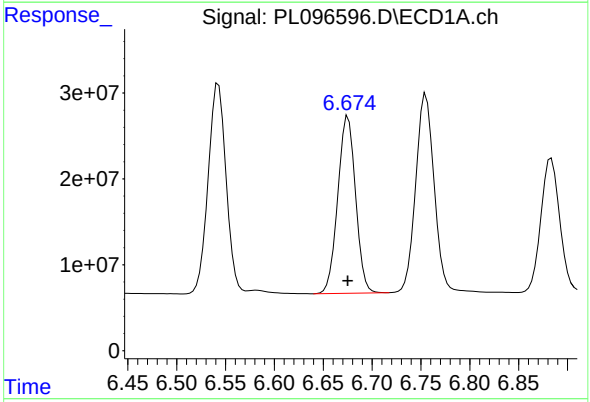
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 306942268
Conc: 100.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



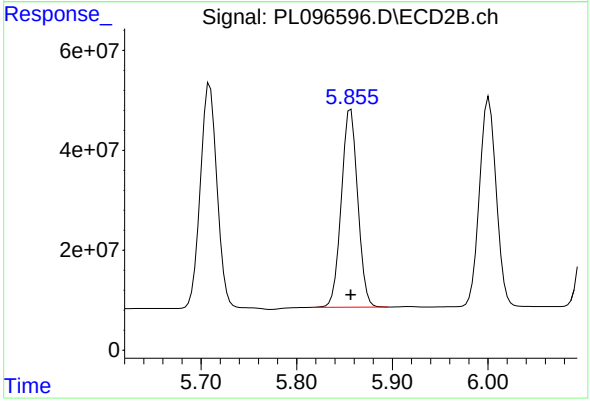
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 511675779
Conc: 99.88 ng/ml



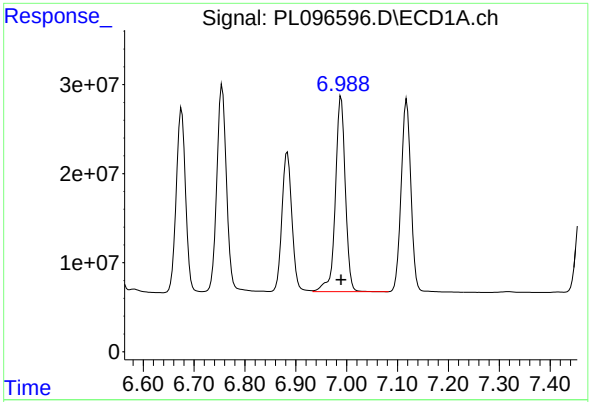
#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: 0.000 min
Response: 261514558
Conc: 103.62 ng/ml



#16 4,4'-DDD

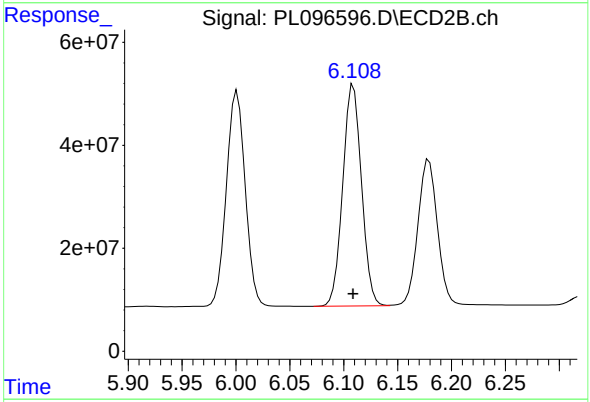
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 473976803
Conc: 100.99 ng/ml



#17 4,4'-DDT

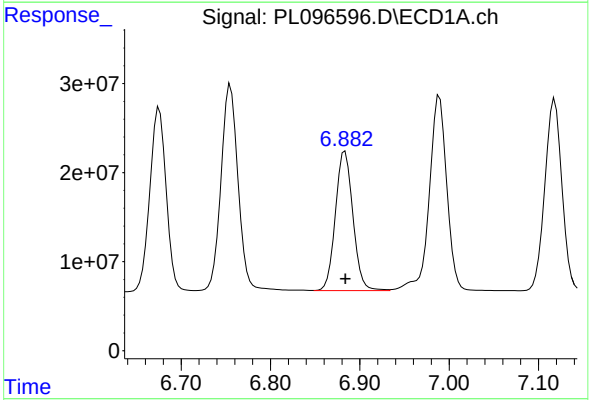
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 298004870
Conc: 103.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



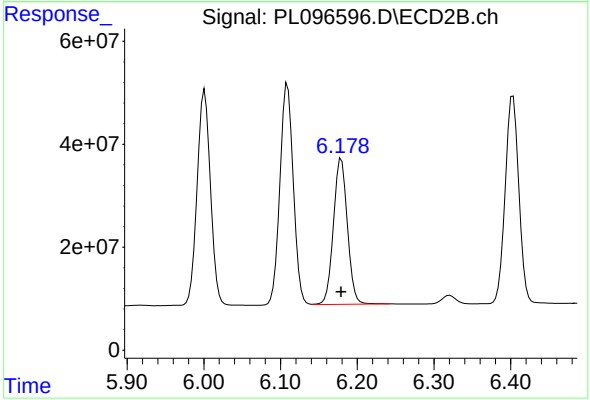
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 521289312
Conc: 101.84 ng/ml



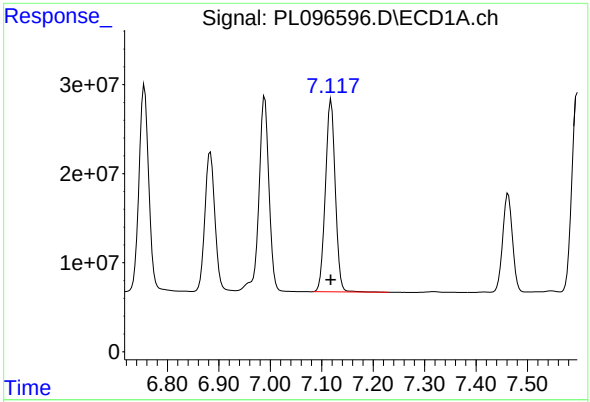
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 212916204
Conc: 100.20 ng/ml



#18 Endrin aldehyde

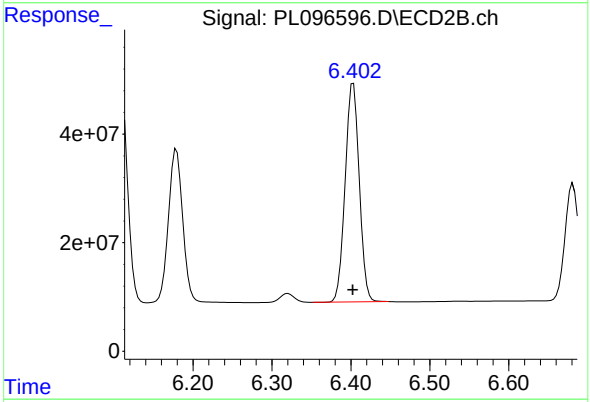
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 358954906
Conc: 95.69 ng/ml



#19 Endosulfan Sulfate

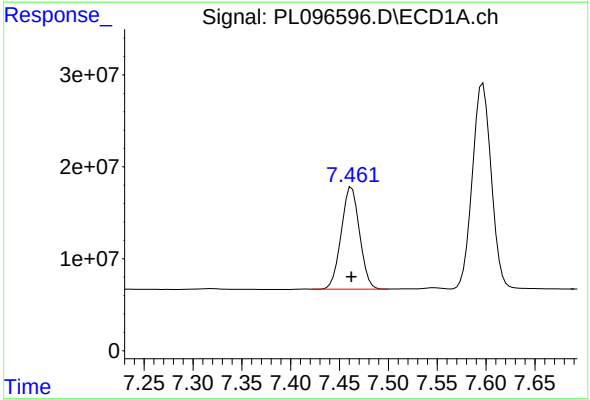
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 287518219
Conc: 100.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



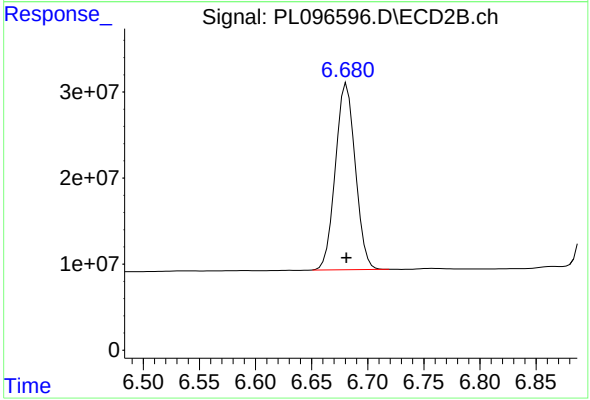
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 500753542
Conc: 98.91 ng/ml



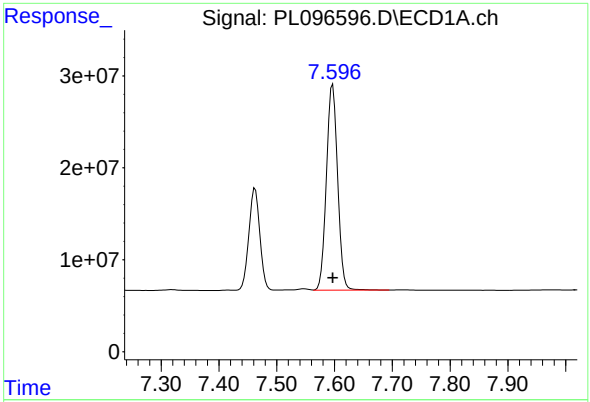
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 144959027
Conc: 98.08 ng/ml



#20 Methoxychlor

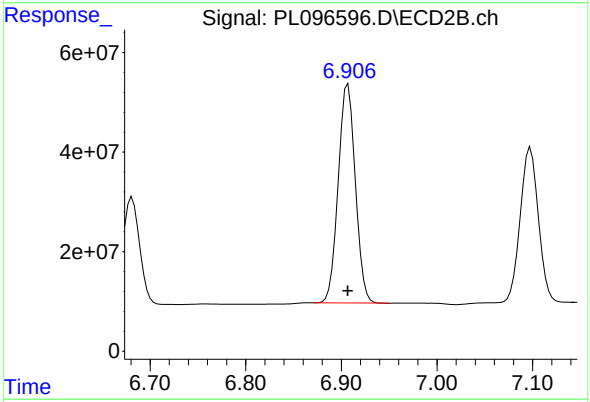
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 267745710
Conc: 98.02 ng/ml



#21 Endrin ketone

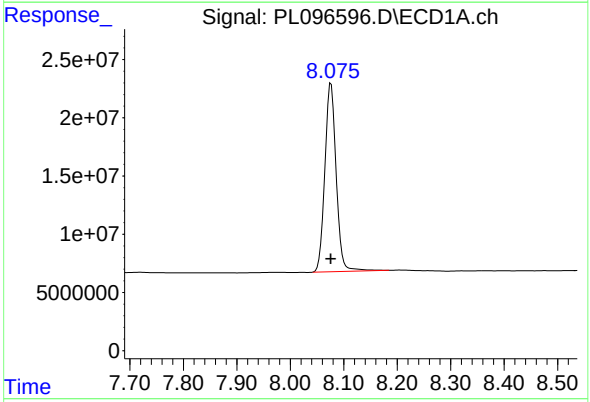
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 302328647
Conc: 100.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



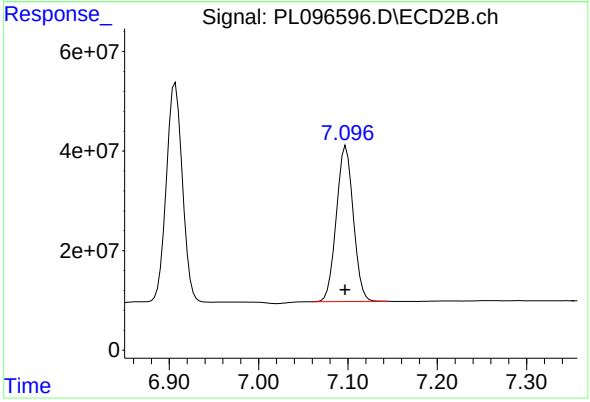
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 548940584
Conc: 99.28 ng/ml



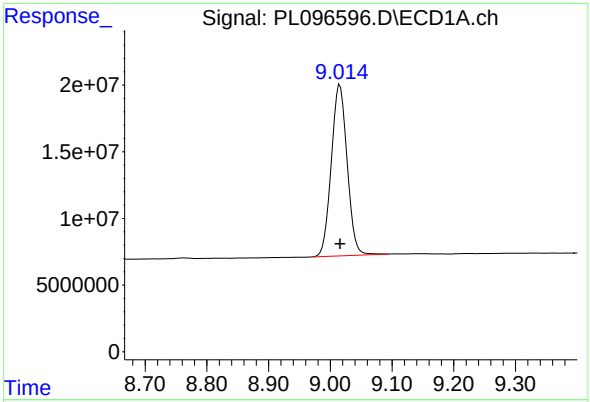
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 237884655
Conc: 97.55 ng/ml



#22 Mirex

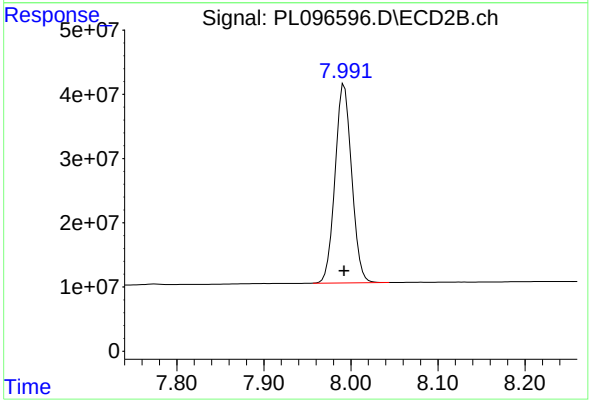
R.T.: 7.098 min
Delta R.T.: 0.001 min
Response: 411955568
Conc: 96.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 228937183
Conc: 98.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 410823200
Conc: 97.27 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	233.0E6	350.6E6	74.272	74.101
28)	SA Decachlor...	9.016	7.992	168.8E6	307.4E6	72.881	72.785
	Target Compounds						
2)	A alpha-BHC	3.983	3.334	351.4E6	537.0E6	75.654	75.236
3)	MA gamma-BHC...	4.311	3.665	330.8E6	495.8E6	75.350	74.733
4)	MA Heptachlor	4.903	4.014	307.2E6	495.4E6	74.396	74.407
5)	MB Aldrin	5.243	4.297	320.5E6	465.2E6	75.090	74.668
6)	B beta-BHC	4.497	3.961	131.3E6	204.8E6	73.714	73.601
7)	B delta-BHC	4.743	4.195	300.9E6	488.2E6	75.637	75.167
8)	B Heptachlo...	5.662	4.799	284.4E6	422.6E6	73.922	74.162
9)	A Endosulfan I	6.044	5.170	264.4E6	398.2E6	74.753	74.246
10)	B gamma-Chl...	5.916	5.051	285.1E6	439.3E6	75.003	74.487
11)	B alpha-Chl...	5.996	5.115	283.5E6	429.9E6	74.575	74.112
12)	B 4,4'-DDE	6.167	5.304	238.5E6	417.1E6	75.774	75.277
13)	MA Dieldrin	6.316	5.435	280.3E6	441.3E6	75.499	74.826
14)	MA Endrin	6.543	5.709	224.3E6	400.9E6	75.092	74.562
15)	B Endosulfa...	6.755	6.001	225.6E6	379.7E6	74.158	74.126
16)	A 4,4'-DDD	6.675	5.857	190.7E6	348.7E6	75.547	74.288
17)	MA 4,4'-DDT	6.990	6.109	217.6E6	383.6E6	75.446	74.937
18)	B Endrin al...	6.884	6.179	157.7E6	271.5E6	74.223	72.362
19)	B Endosulfa...	7.118	6.403	211.1E6	373.3E6	74.033	73.735
20)	A Methoxychlor	7.462	6.681	108.3E6	200.5E6	73.298	73.418
21)	B Endrin ke...	7.597	6.907	223.2E6	408.0E6	74.299	73.786
22)	Mirex	8.076	7.098	177.1E6	309.7E6	72.625	72.793

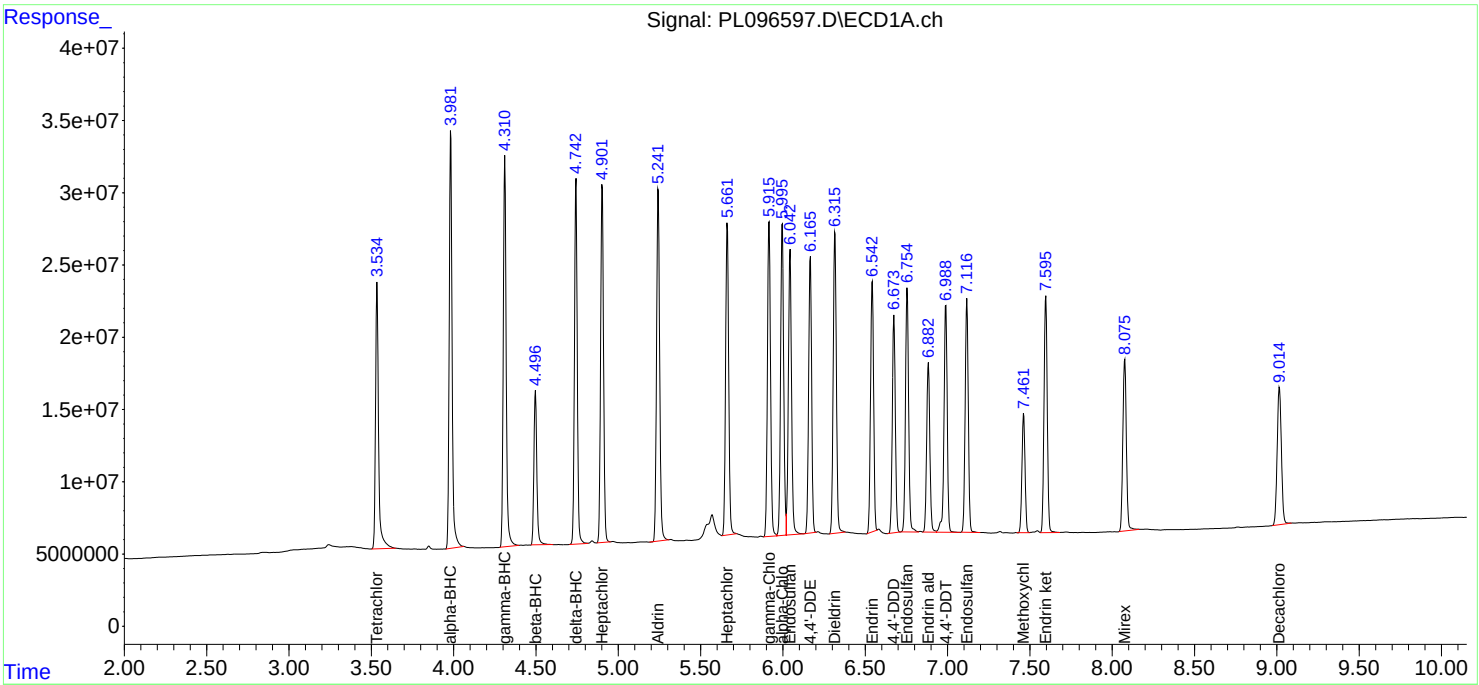
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

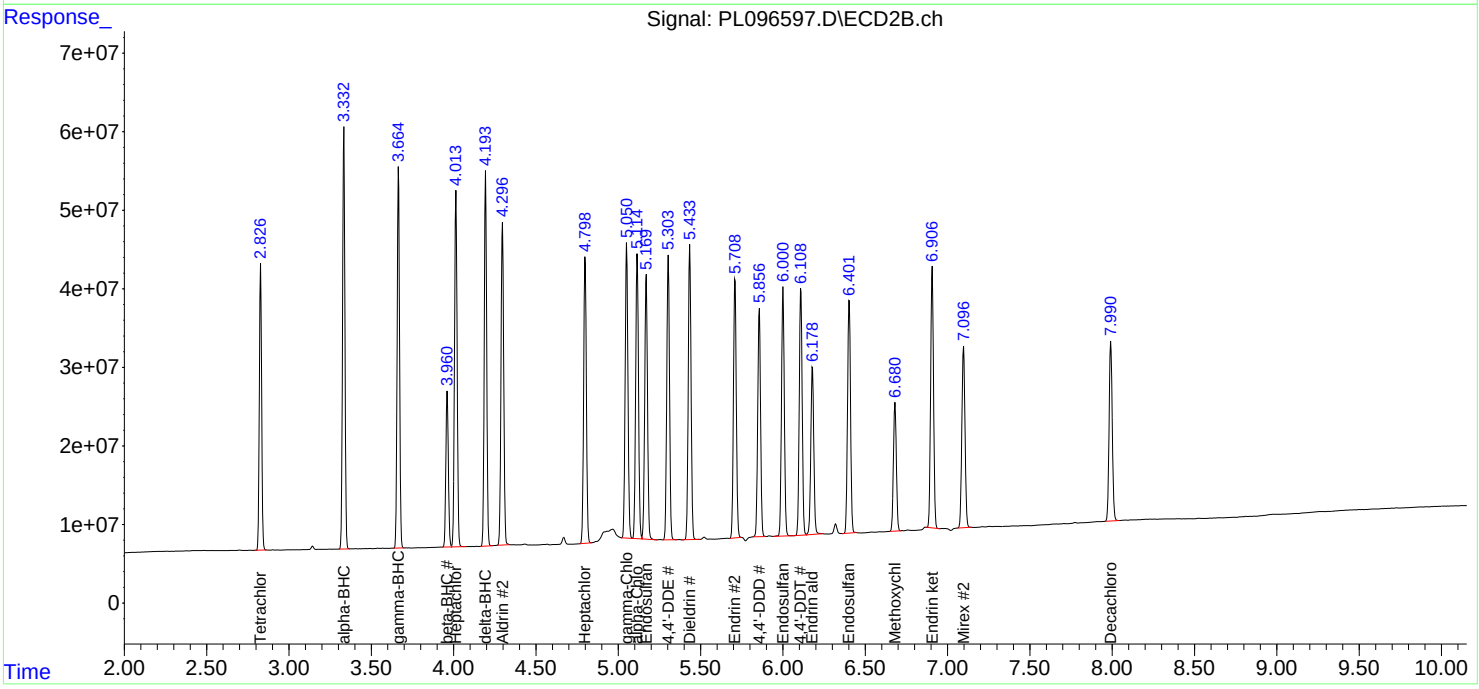
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

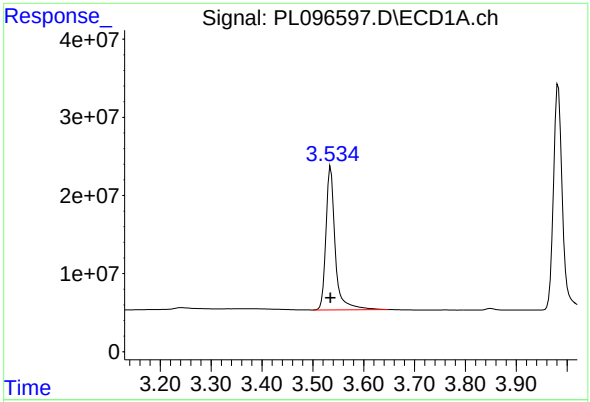
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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



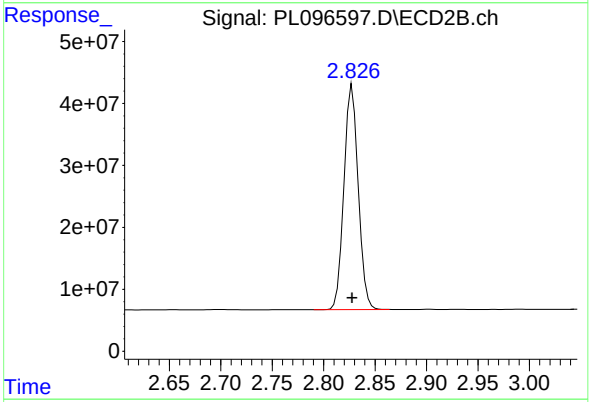




#1 Tetrachloro-m-xylene

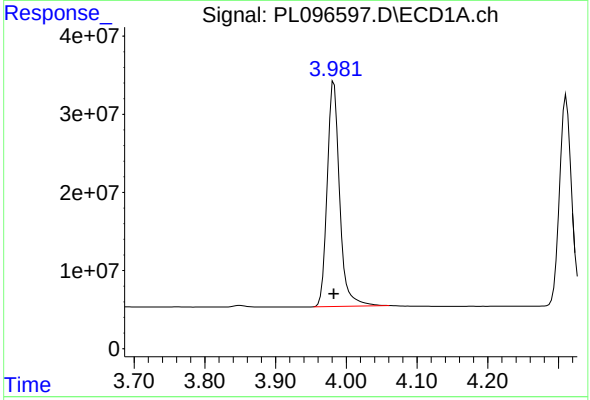
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 232961822
Conc: 74.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



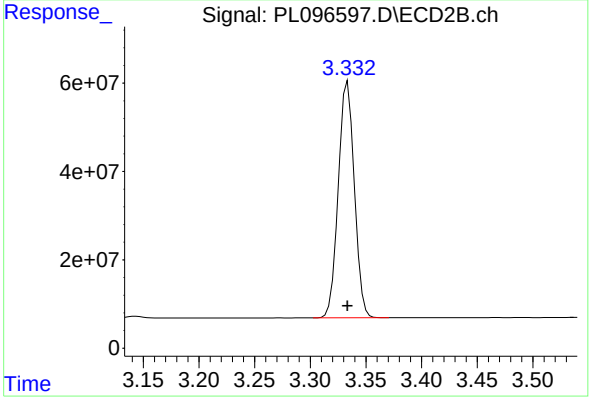
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 350569391
Conc: 74.10 ng/ml



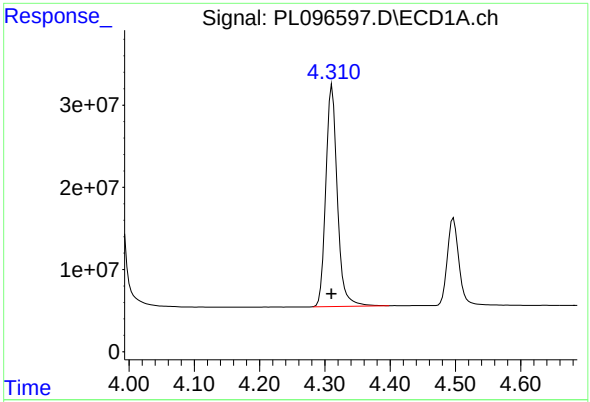
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 351424905
Conc: 75.65 ng/ml



#2 alpha-BHC

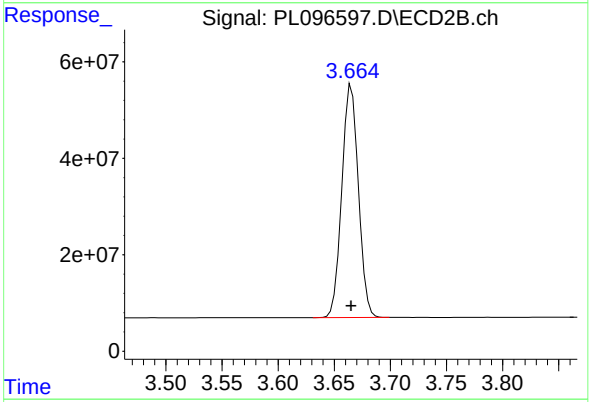
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 536970875
Conc: 75.24 ng/ml



#3 gamma-BHC (Lindane)

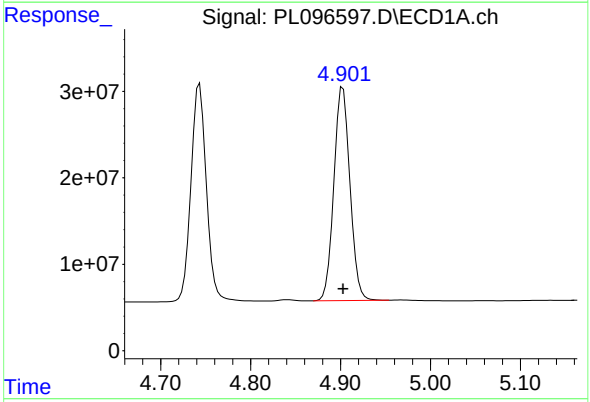
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 330824316
Conc: 75.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



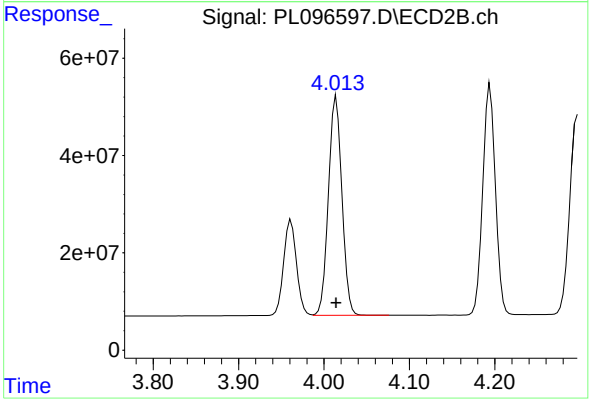
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 495804891
Conc: 74.73 ng/ml



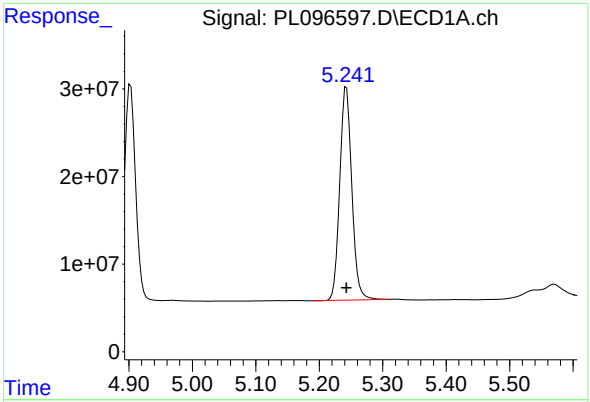
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 307217245
Conc: 74.40 ng/ml



#4 Heptachlor

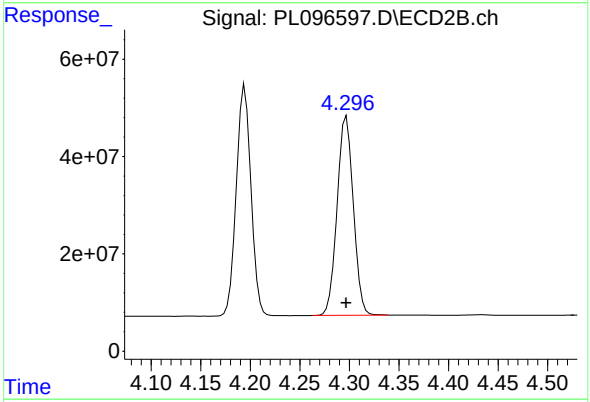
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 495446498
Conc: 74.41 ng/ml



#5 Aldrin

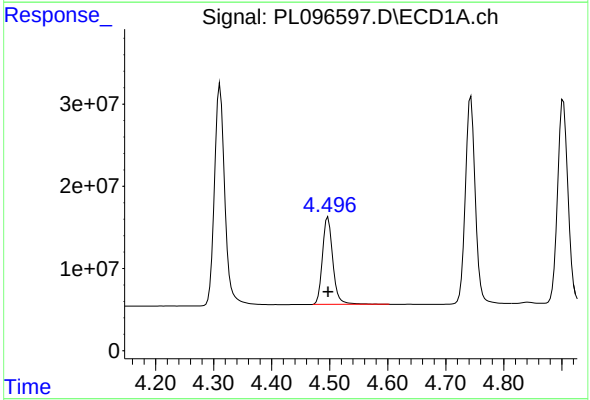
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 320513876
Conc: 75.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



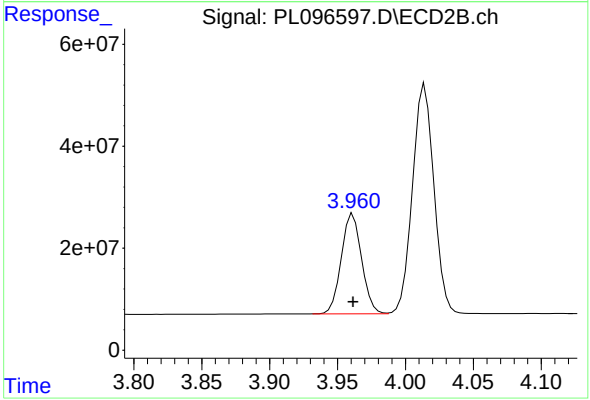
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 465189508
Conc: 74.67 ng/ml



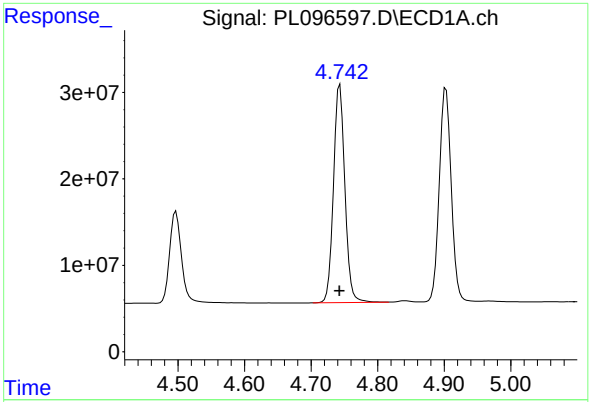
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 131286587
Conc: 73.71 ng/ml



#6 beta-BHC

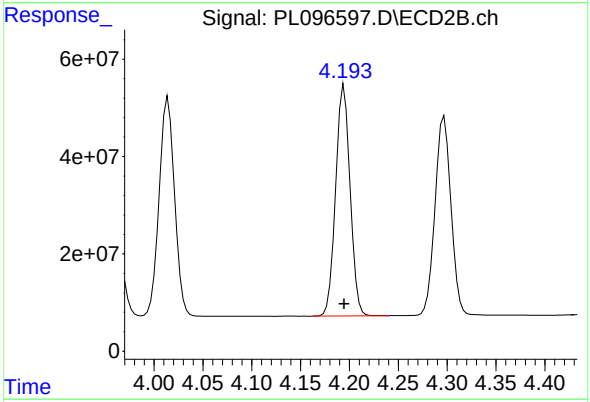
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 204810930
Conc: 73.60 ng/ml



#7 delta-BHC

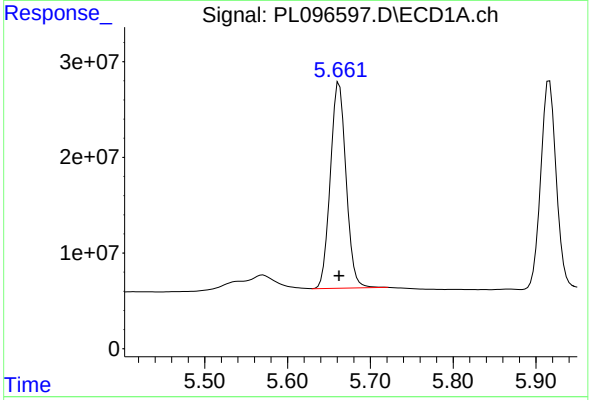
R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 300917635
Conc: 75.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



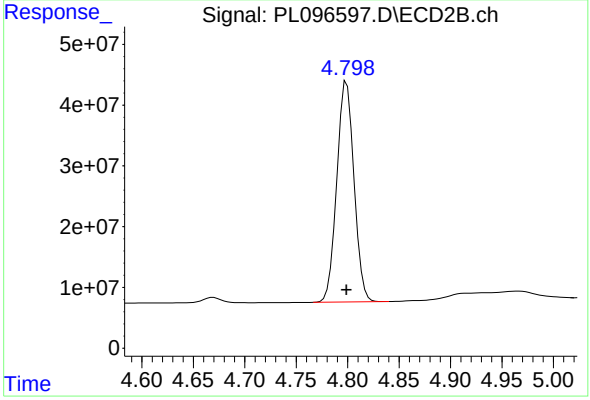
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 488213801
Conc: 75.17 ng/ml



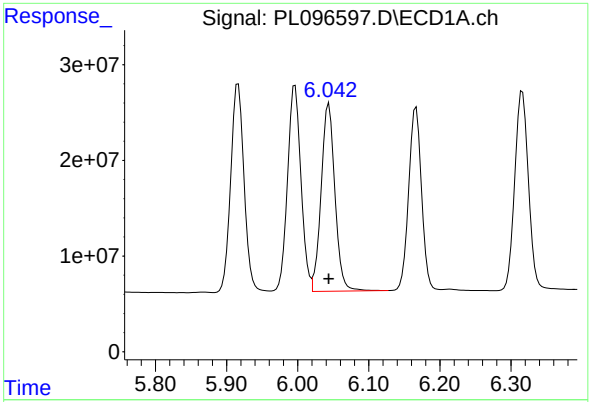
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 284391514
Conc: 73.92 ng/ml



#8 Heptachlor epoxide

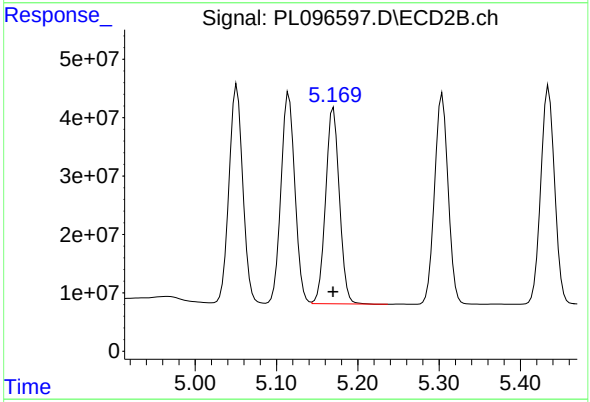
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 422642097
Conc: 74.16 ng/ml



#9 Endosulfan I

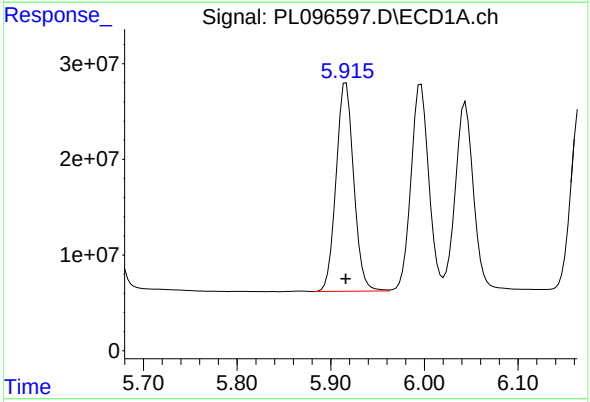
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 264371314
Conc: 74.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



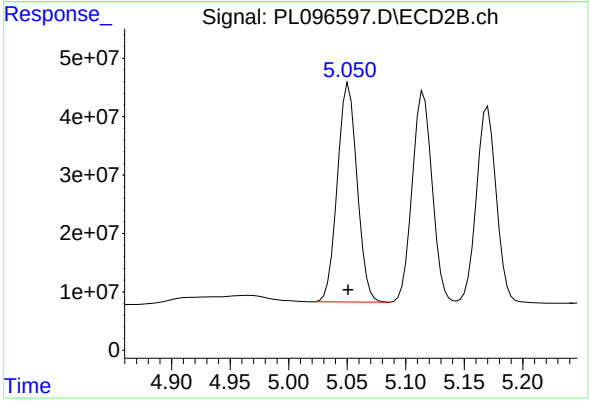
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 398162363
Conc: 74.25 ng/ml



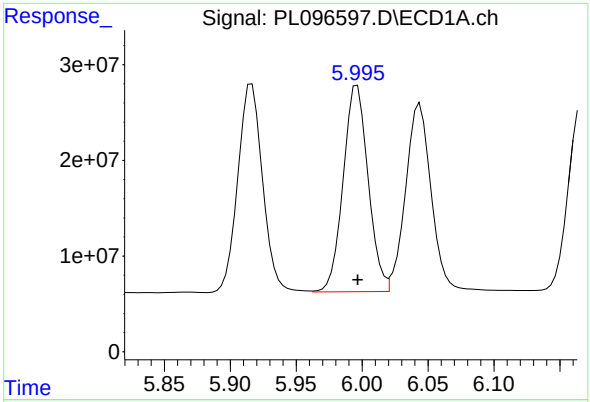
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 285066035
Conc: 75.00 ng/ml



#10 gamma-Chlordane

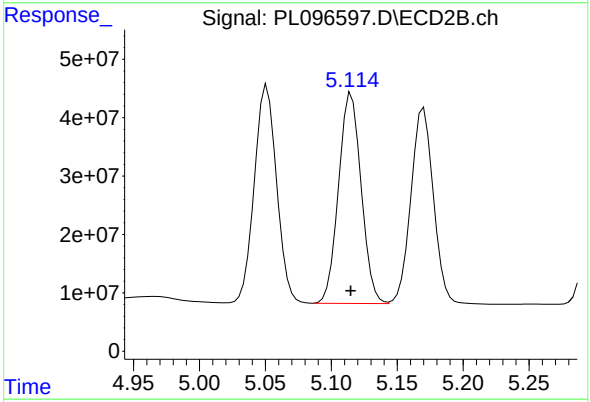
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 439349234
Conc: 74.49 ng/ml



#11 alpha-Chlordane

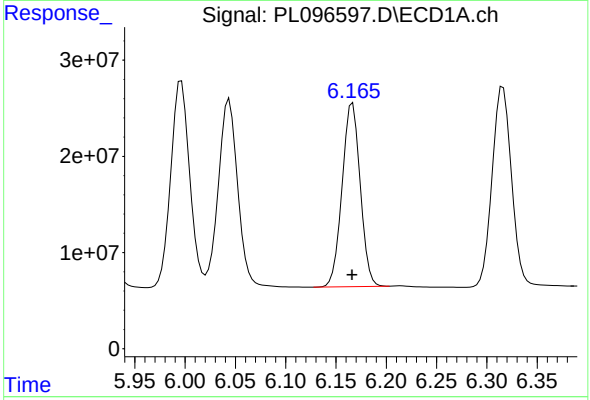
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 283525040
Conc: 74.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



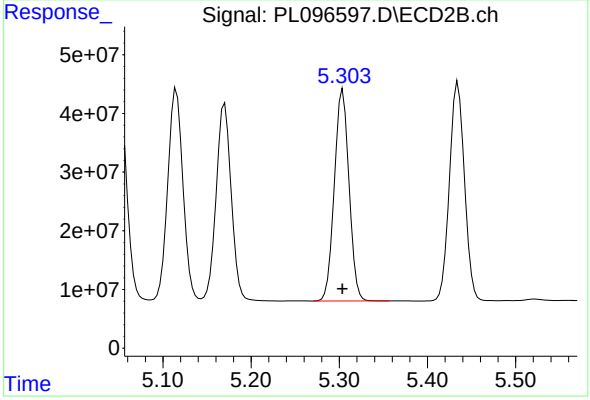
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 429864118
Conc: 74.11 ng/ml



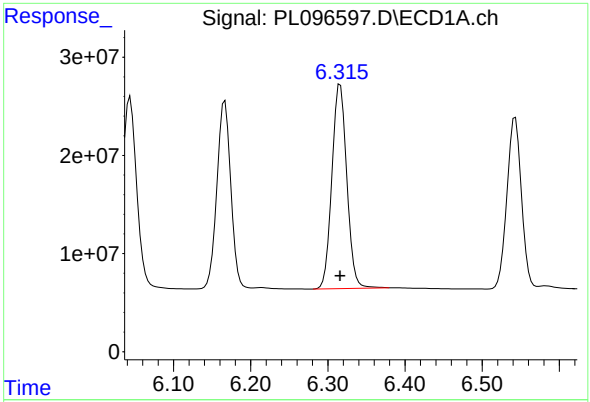
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: 0.000 min
Response: 238480667
Conc: 75.77 ng/ml



#12 4,4'-DDE

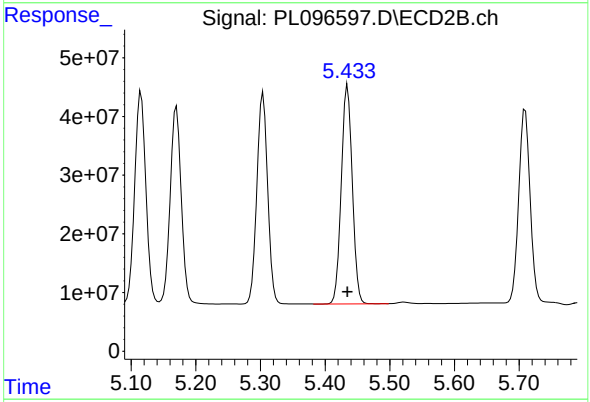
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 417080341
Conc: 75.28 ng/ml



#13 Dieldrin

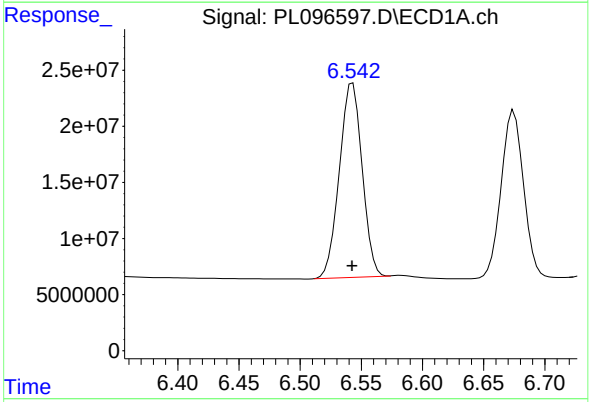
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 280319278
Conc: 75.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



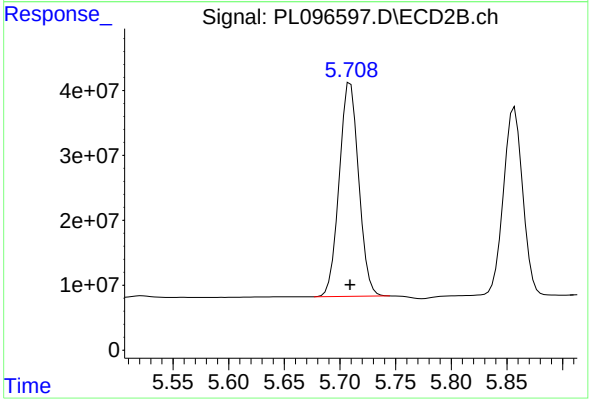
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 441320179
Conc: 74.83 ng/ml



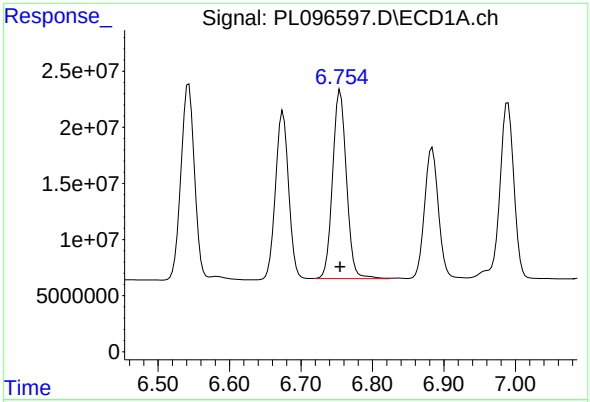
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 224278091
Conc: 75.09 ng/ml



#14 Endrin

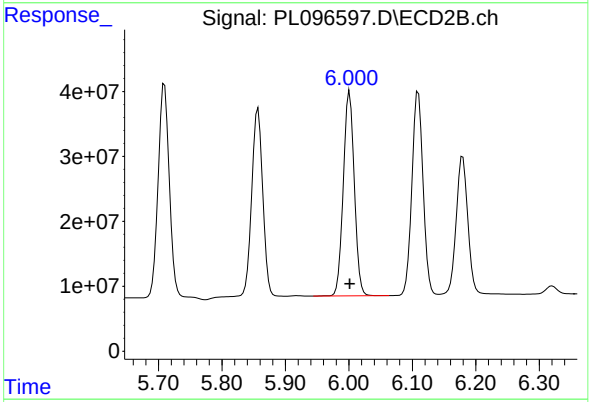
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 400859370
Conc: 74.56 ng/ml



#15 Endosulfan II

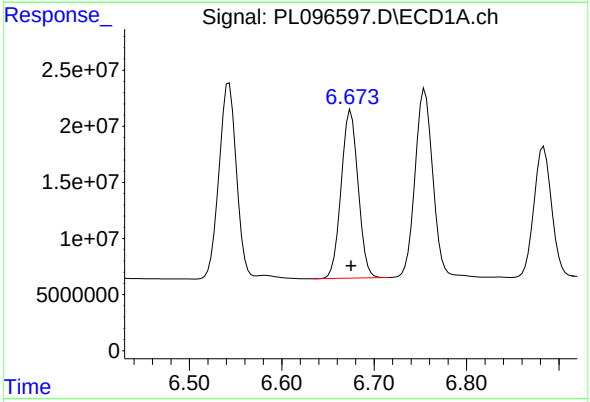
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 225647134
Conc: 74.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



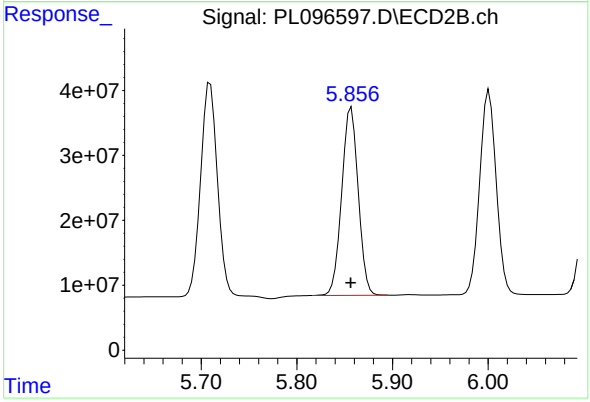
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 379721248
Conc: 74.13 ng/ml



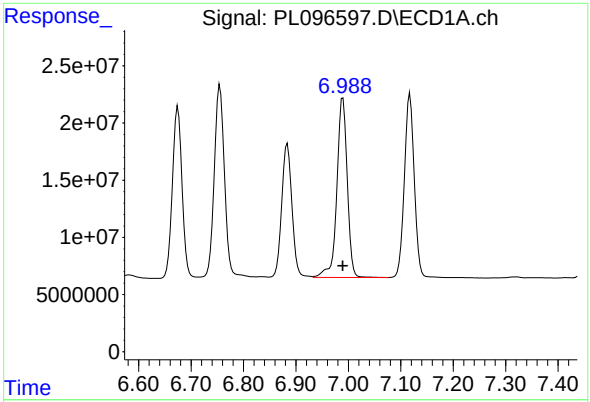
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 190671313
Conc: 75.55 ng/ml



#16 4,4'-DDD

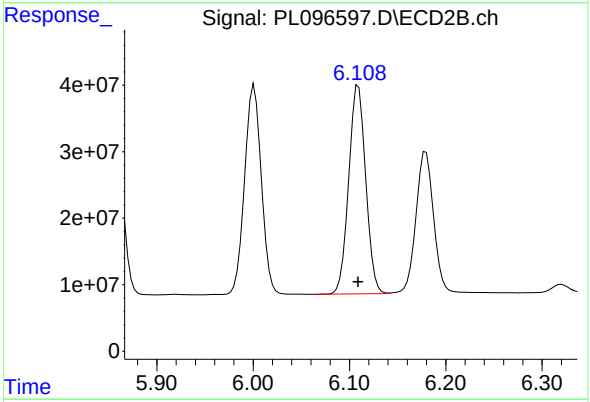
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 348660112
Conc: 74.29 ng/ml



#17 4,4'-DDT

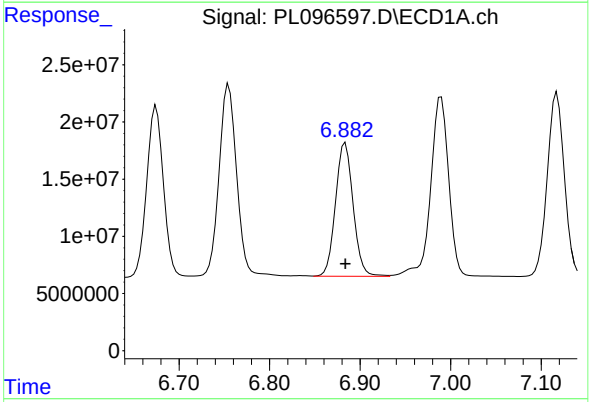
R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 217641704
Conc: 75.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



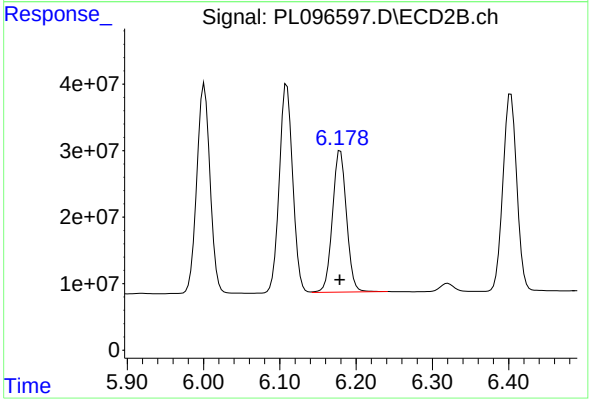
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 383566750
Conc: 74.94 ng/ml



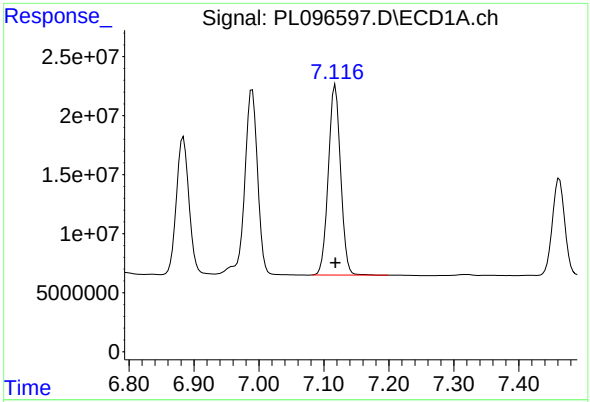
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 157721830
Conc: 74.22 ng/ml



#18 Endrin aldehyde

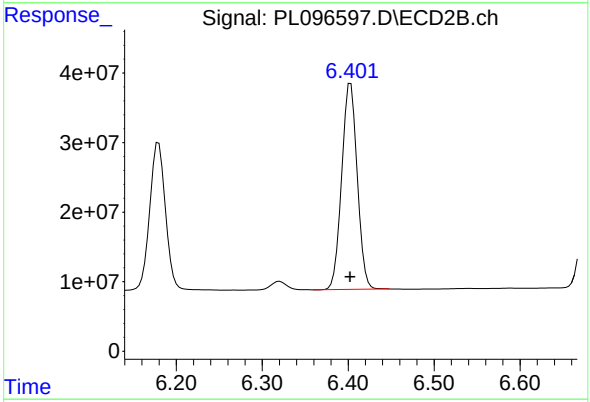
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 271456969
Conc: 72.36 ng/ml



#19 Endosulfan Sulfate

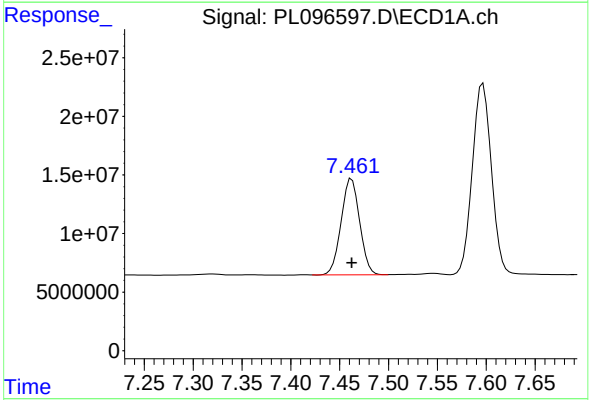
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 211116580
Conc: 74.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



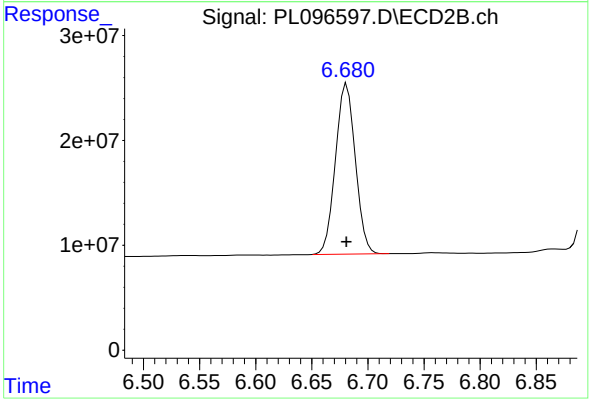
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 373300857
Conc: 73.74 ng/ml



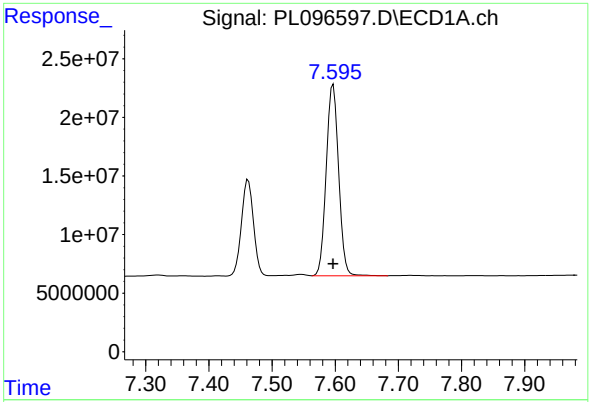
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 108334576
Conc: 73.30 ng/ml



#20 Methoxychlor

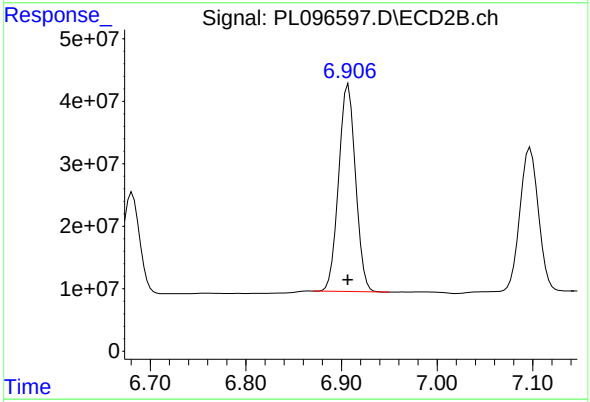
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 200544716
Conc: 73.42 ng/ml



#21 Endrin ketone

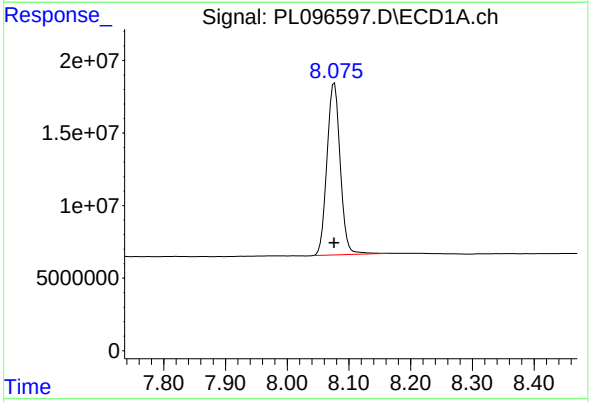
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 223186820
Conc: 74.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



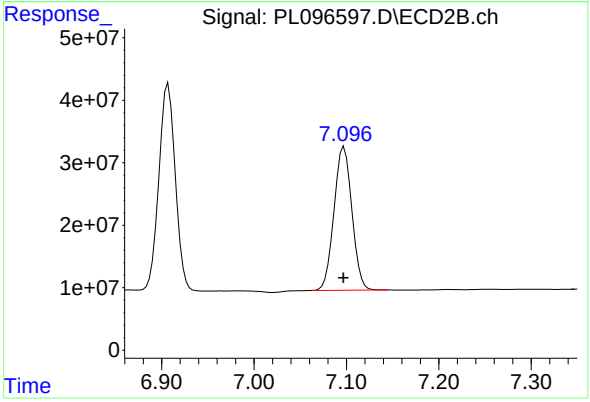
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 407983144
Conc: 73.79 ng/ml



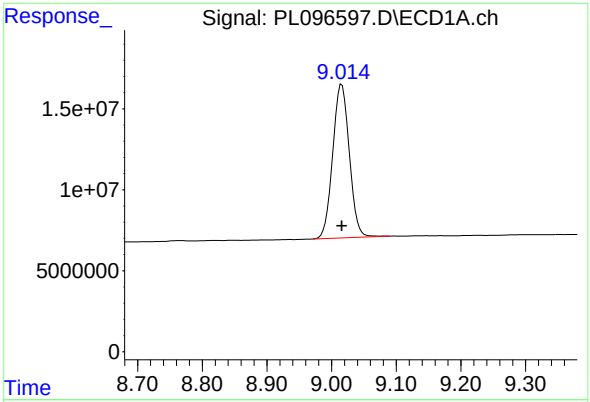
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 177107922
Conc: 72.63 ng/ml



#22 Mirex

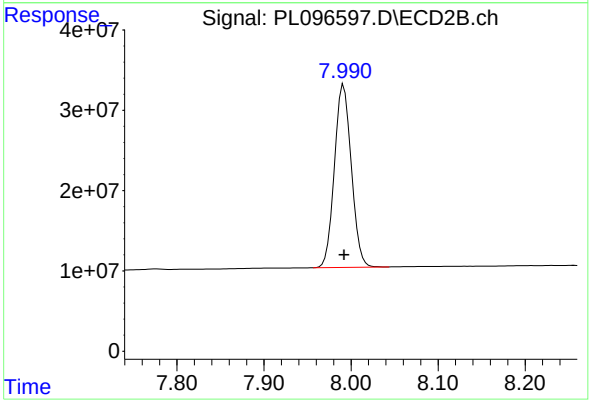
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 309671656
Conc: 72.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 168823757
Conc: 72.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 307406585
Conc: 72.78 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:19
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	156.8E6	236.5E6	50.000	50.000
28)	SA Decachlor...	9.016	7.992	115.8E6	211.2E6	50.000	50.000
	Target Compounds						
2)	A alpha-BHC	3.982	3.333	232.3E6	356.9E6	50.000	50.000
3)	MA gamma-BHC...	4.310	3.665	219.5E6	331.7E6	50.000	50.000
4)	MA Heptachlor	4.903	4.014	206.5E6	332.9E6	50.000	50.000
5)	MB Aldrin	5.243	4.297	213.4E6	311.5E6	50.000	50.000
6)	B beta-BHC	4.497	3.961	89051761	139.1E6	50.000	50.000
7)	B delta-BHC	4.743	4.195	198.9E6	324.8E6	50.000	50.000
8)	B Heptachlo...	5.662	4.799	192.4E6	284.9E6	50.000	50.000
9)	A Endosulfan I	6.044	5.169	176.8E6	268.1E6	50.000	50.000
10)	B gamma-Chl...	5.916	5.051	190.0E6	294.9E6	50.000	50.000
11)	B alpha-Chl...	5.997	5.115	190.1E6	290.0E6	50.000	50.000
12)	B 4,4'-DDE	6.166	5.304	157.4E6	277.0E6	50.000	50.000
13)	MA Dieldrin	6.316	5.434	185.6E6	294.9E6	50.000	50.000
14)	MA Endrin	6.542	5.709	149.3E6	268.8E6	50.000	50.000
15)	B Endosulfa...	6.755	6.001	152.1E6	256.1E6	50.000	50.000
16)	A 4,4'-DDD	6.675	5.856	126.2E6	234.7E6	50.000	50.000
17)	MA 4,4'-DDT	6.989	6.109	144.2E6	255.9E6	50.000	50.000
18)	B Endrin al...	6.884	6.179	106.2E6	187.6E6	50.000	50.000
19)	B Endosulfa...	7.118	6.402	142.6E6	253.1E6	50.000	50.000
20)	A Methoxychlor	7.462	6.681	73900571	136.6E6	50.000	50.000
21)	B Endrin ke...	7.597	6.907	150.2E6	276.5E6	50.000	50.000
22)	Mirex	8.076	7.097	121.9E6	212.7E6	50.000	50.000

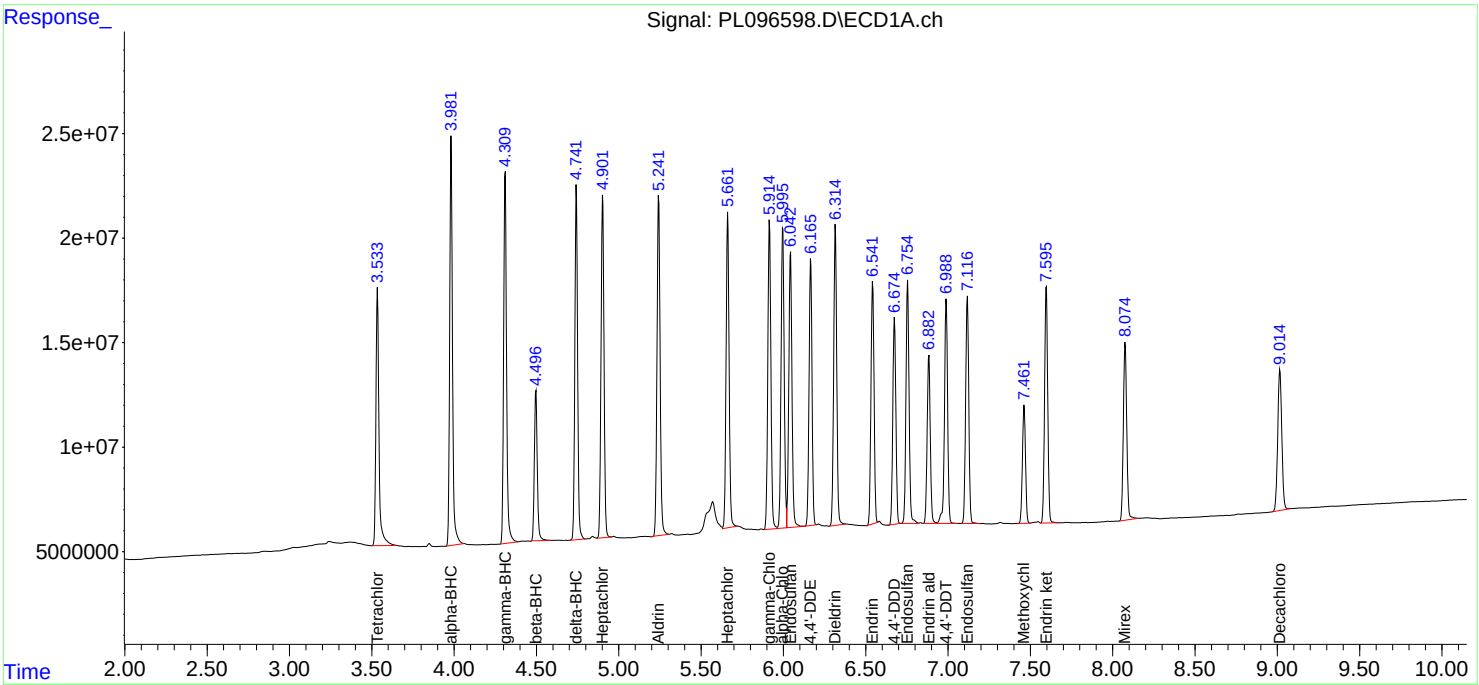
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

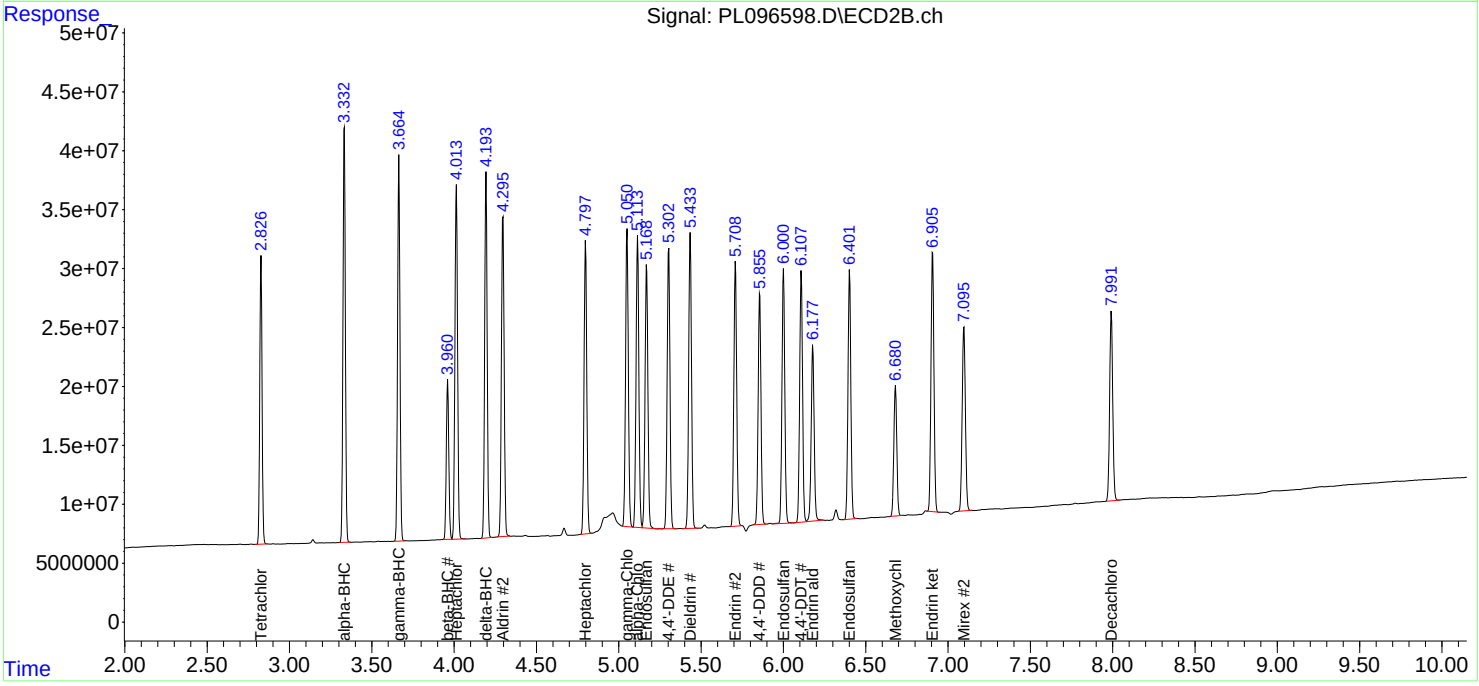
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:19
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

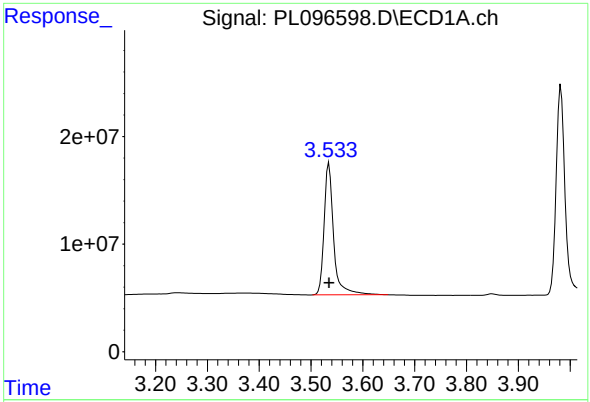
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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



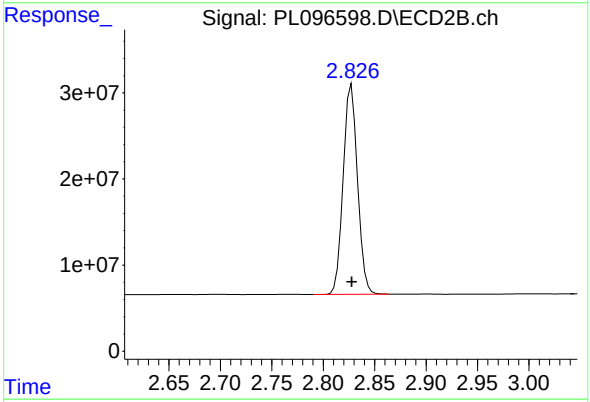




#1 Tetrachloro-m-xylene

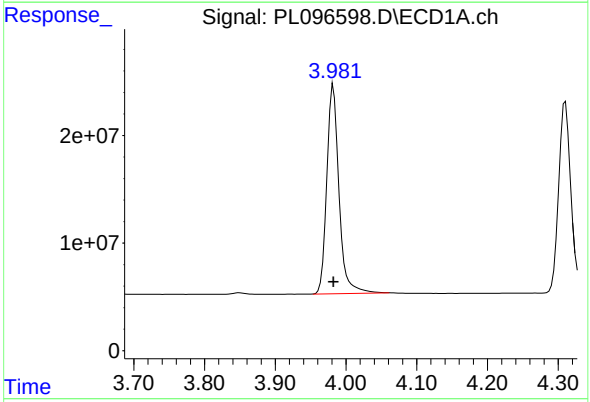
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 156830016
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



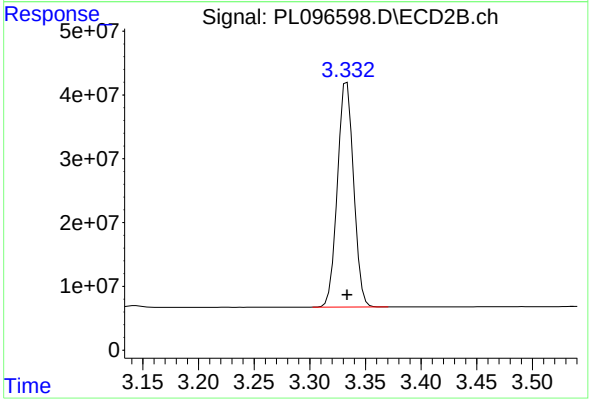
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 236549853
Conc: 50.00 ng/ml



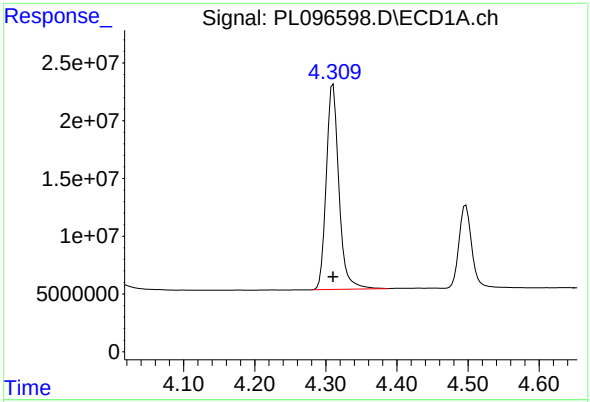
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: 0.000 min
Response: 232258676
Conc: 50.00 ng/ml



#2 alpha-BHC

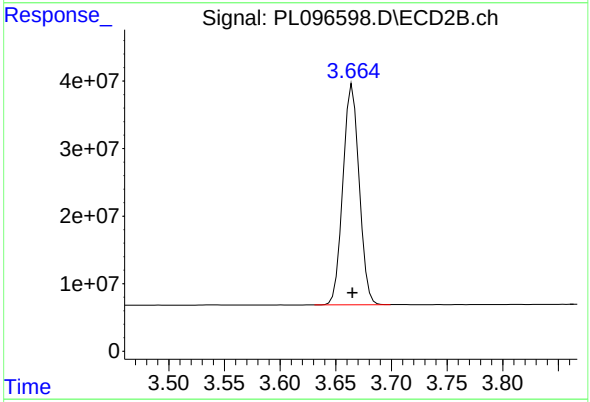
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 356858706
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

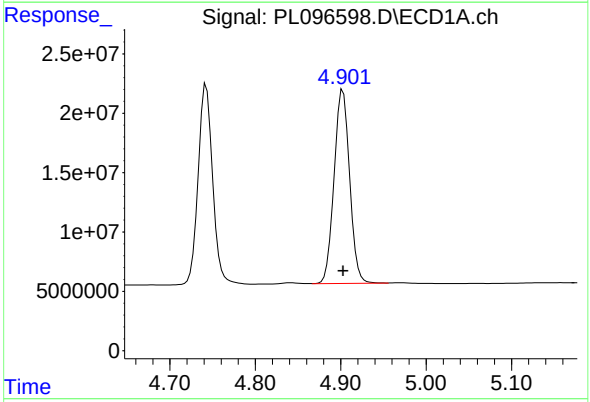
R.T.: 4.310 min
Delta R.T.: 0.000 min
Response: 219526089
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



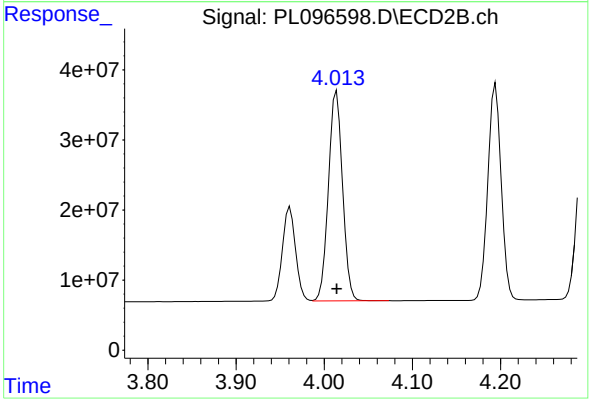
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 331715507
Conc: 50.00 ng/ml



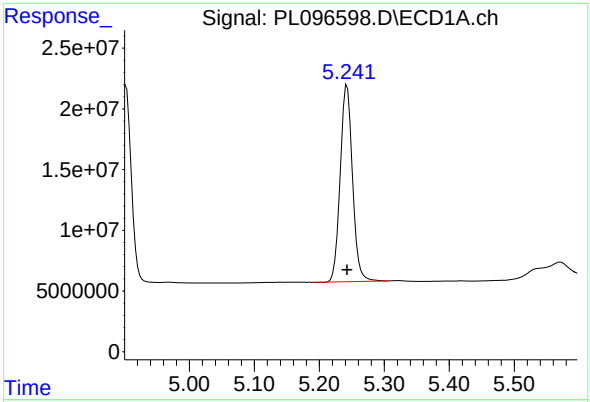
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 206474907
Conc: 50.00 ng/ml



#4 Heptachlor

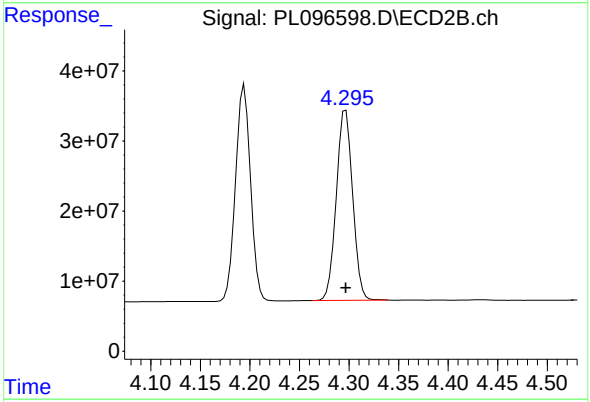
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 332929030
Conc: 50.00 ng/ml



#5 Aldrin

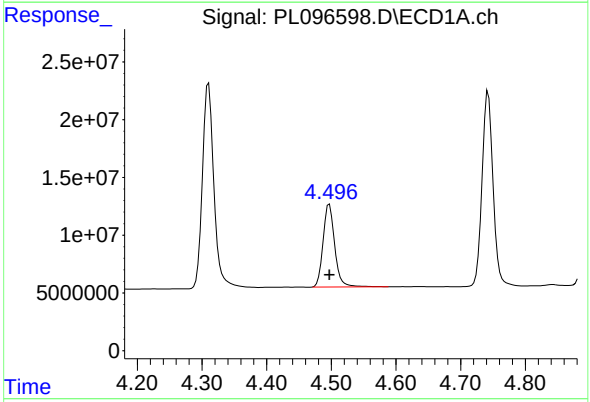
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 213418935
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



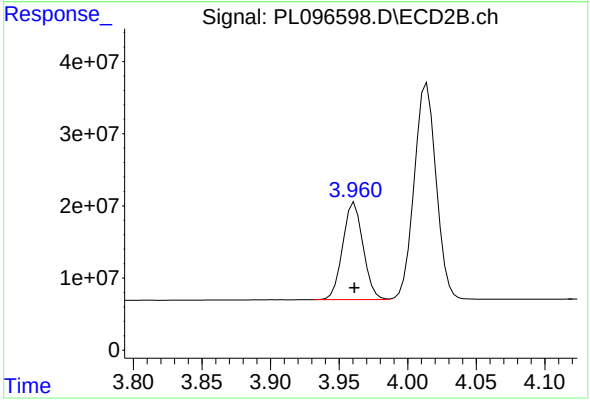
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 311504423
Conc: 50.00 ng/ml



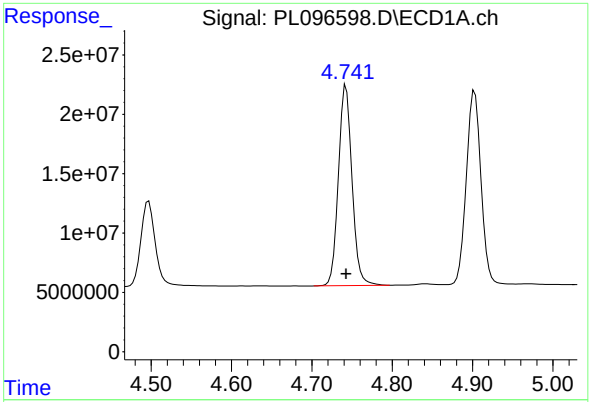
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 89051761
Conc: 50.00 ng/ml



#6 beta-BHC

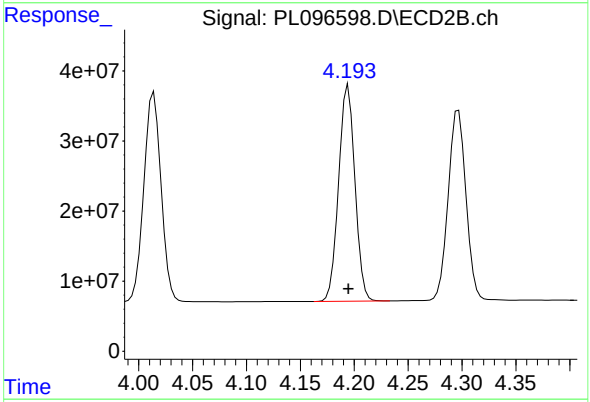
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 139136358
Conc: 50.00 ng/ml



#7 delta-BHC

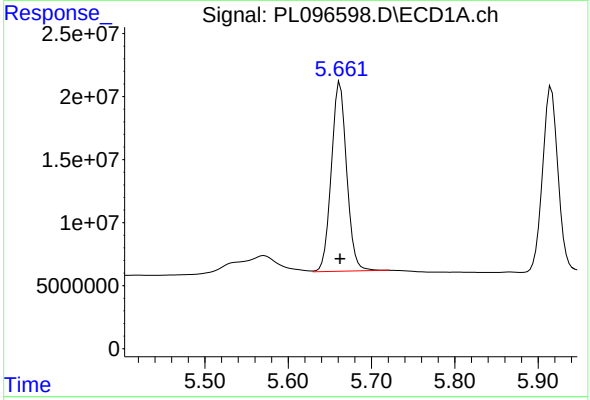
R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 198923133
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



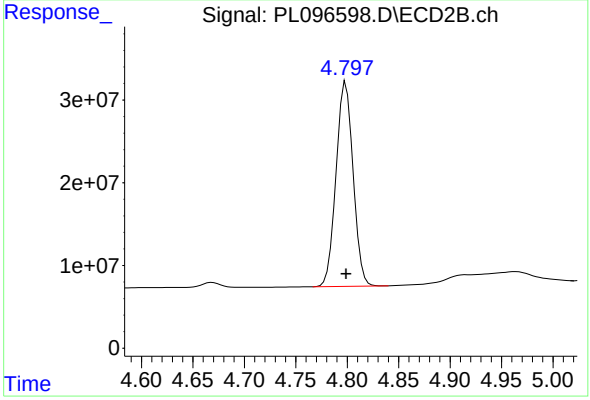
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 324754328
Conc: 50.00 ng/ml



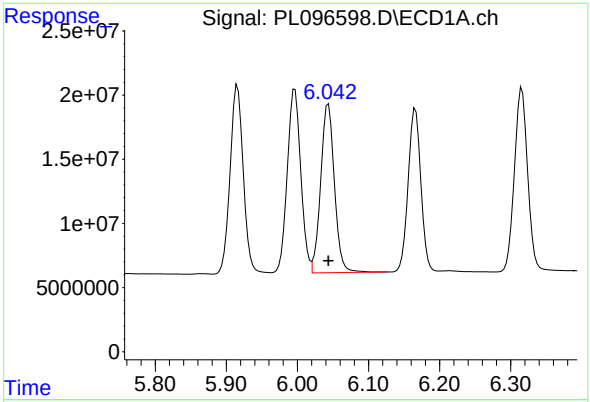
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 192358965
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

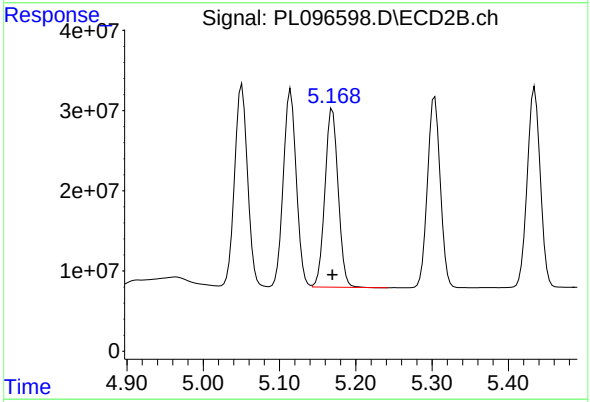
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 284946767
Conc: 50.00 ng/ml



#9 Endosulfan I

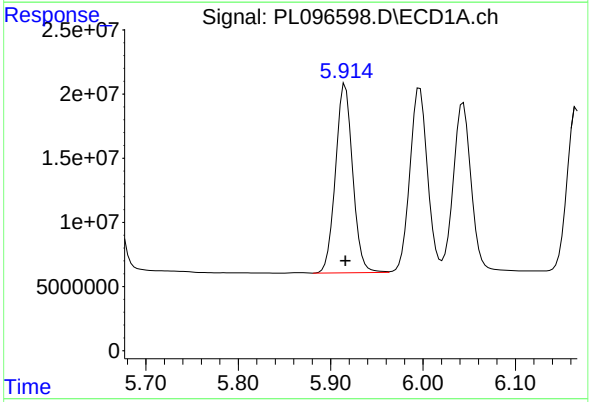
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 176829163
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



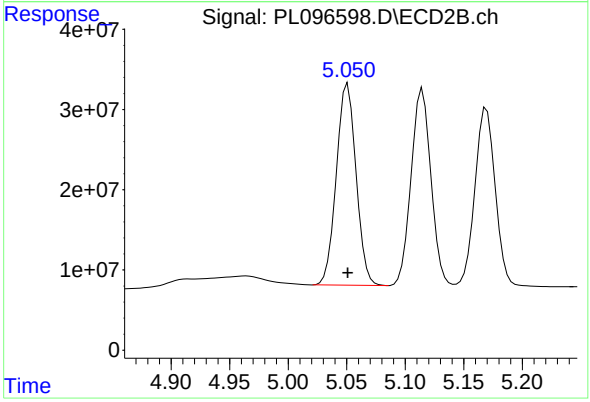
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 268136431
Conc: 50.00 ng/ml



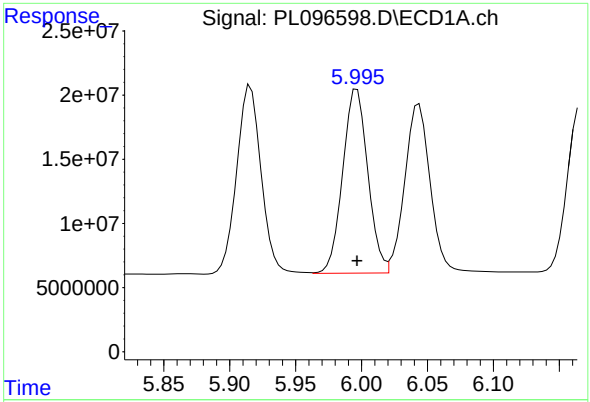
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 190037398
Conc: 50.00 ng/ml



#10 gamma-Chlordane

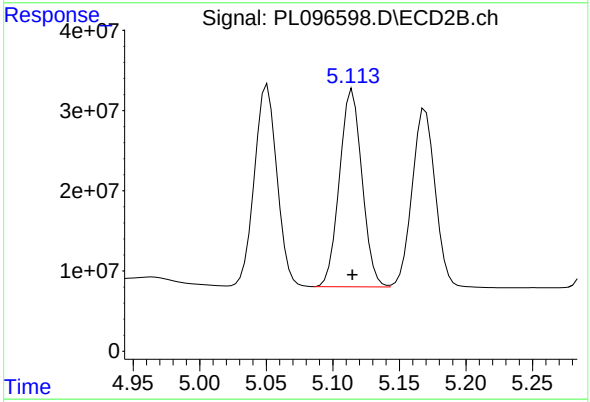
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 294914893
Conc: 50.00 ng/ml



#11 alpha-Chlordane

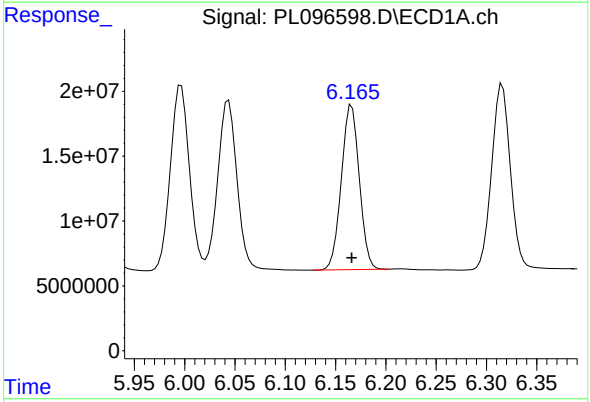
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 190094073
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



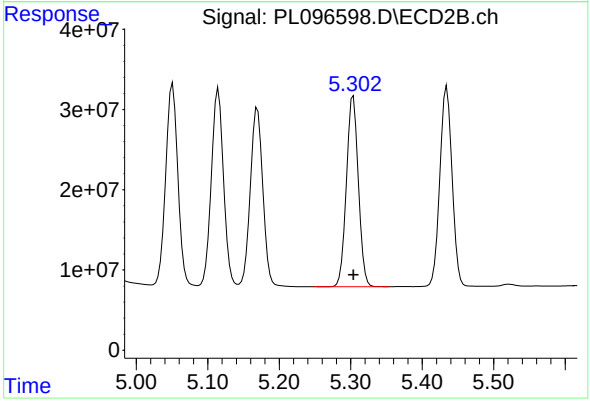
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 290010102
Conc: 50.00 ng/ml



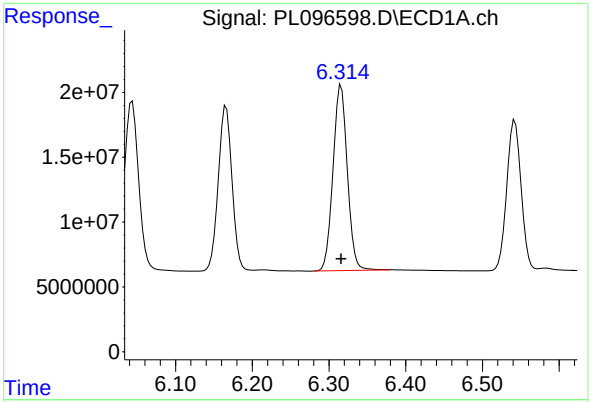
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 157362162
Conc: 50.00 ng/ml



#12 4,4'-DDE

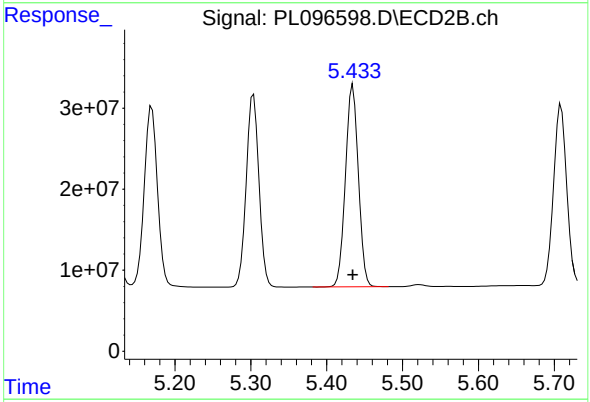
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 277030353
Conc: 50.00 ng/ml



#13 Dieldrin

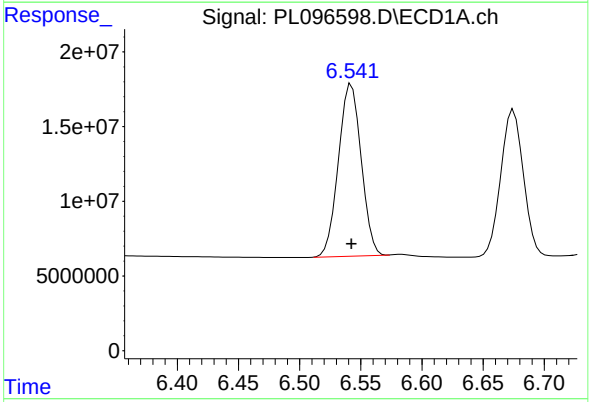
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 185644019
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



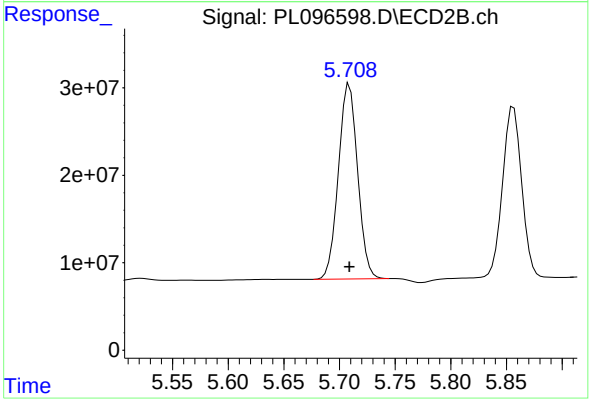
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 294898417
Conc: 50.00 ng/ml



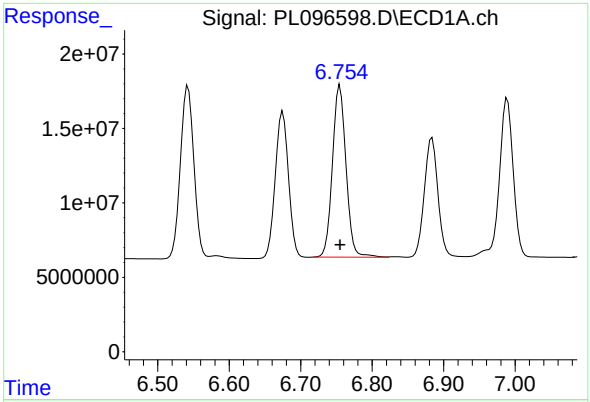
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 149335231
Conc: 50.00 ng/ml



#14 Endrin

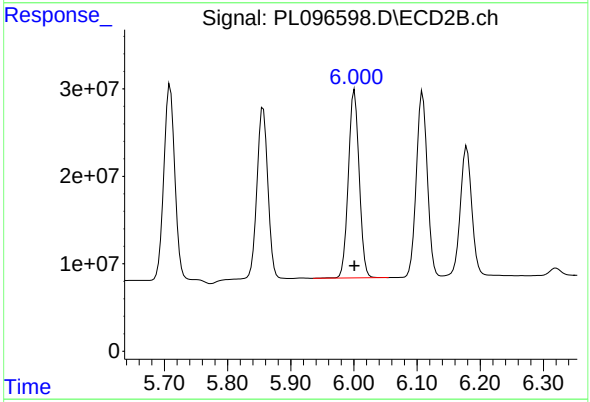
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 268809924
Conc: 50.00 ng/ml



#15 Endosulfan II

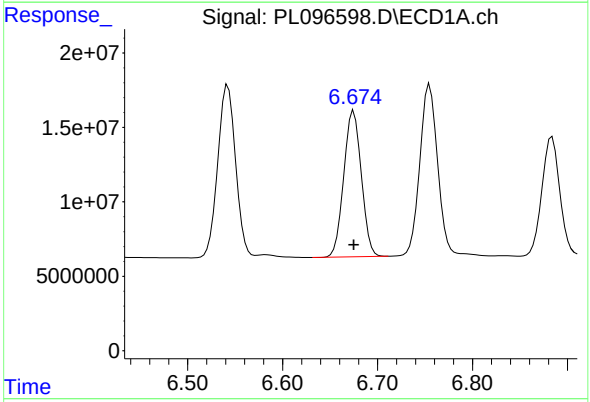
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 152139869
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



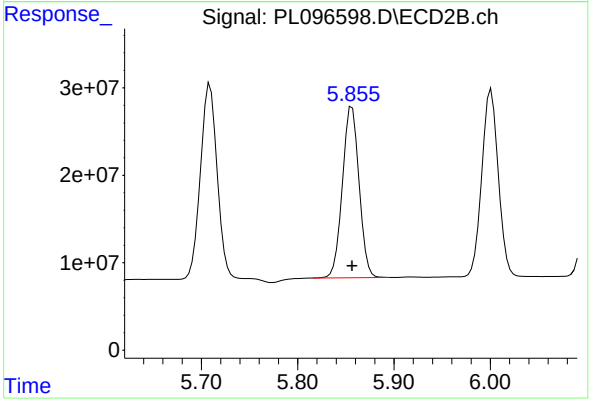
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 256133247
Conc: 50.00 ng/ml



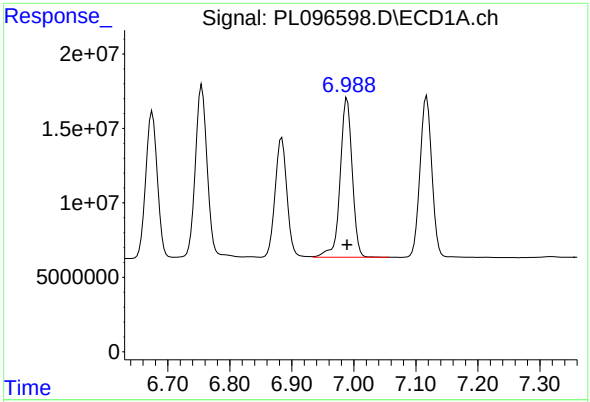
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 126194489
Conc: 50.00 ng/ml



#16 4,4'-DDD

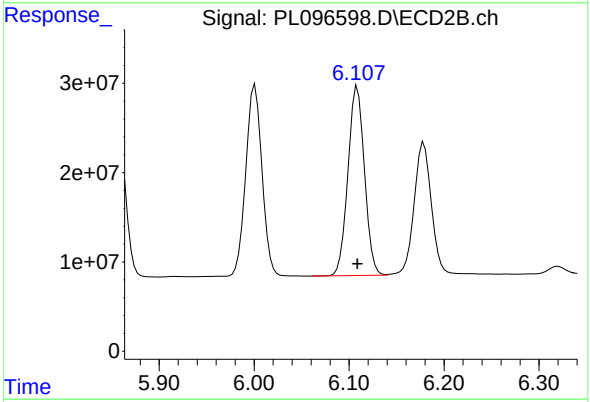
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 234668190
Conc: 50.00 ng/ml



#17 4,4'-DDT

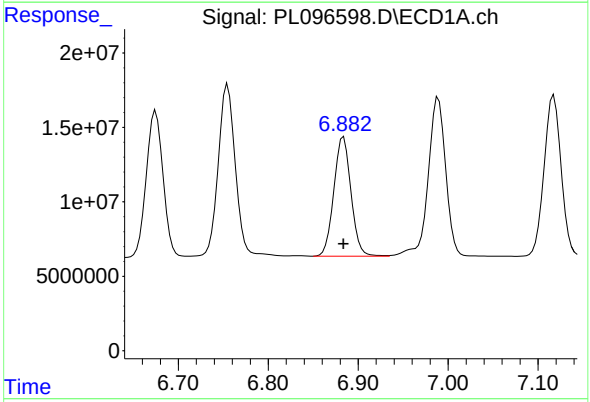
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 144237122
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



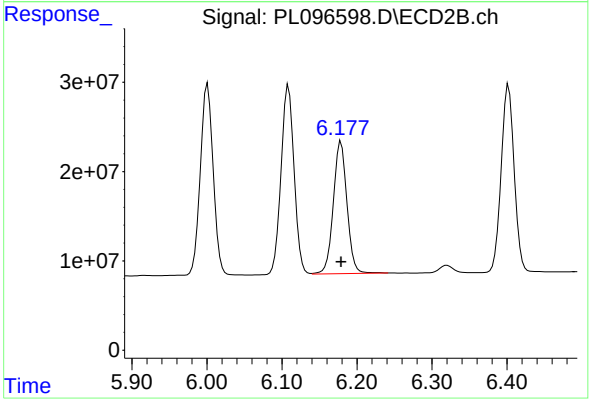
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 255924551
Conc: 50.00 ng/ml



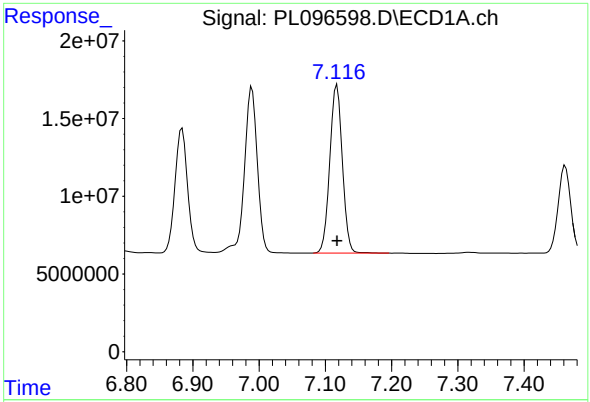
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 106248721
Conc: 50.00 ng/ml



#18 Endrin aldehyde

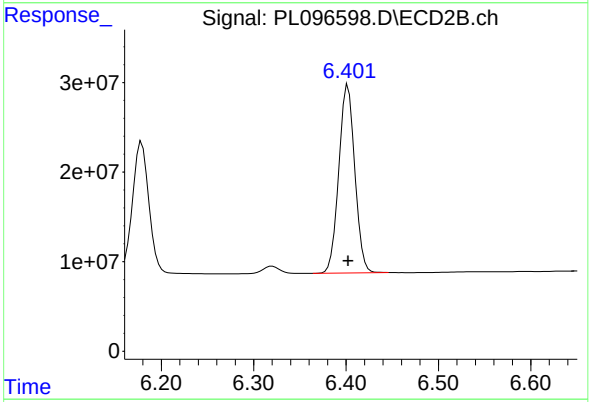
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 187568317
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

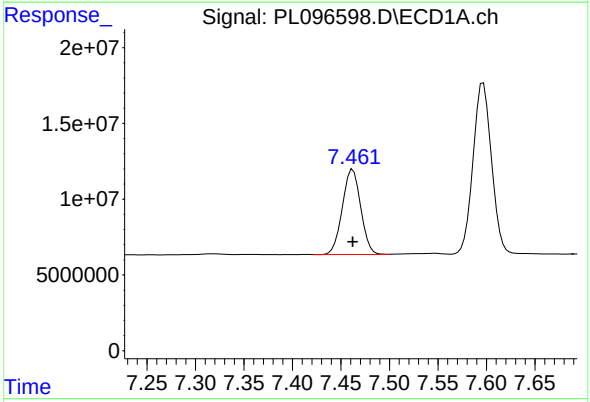
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 142581938
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



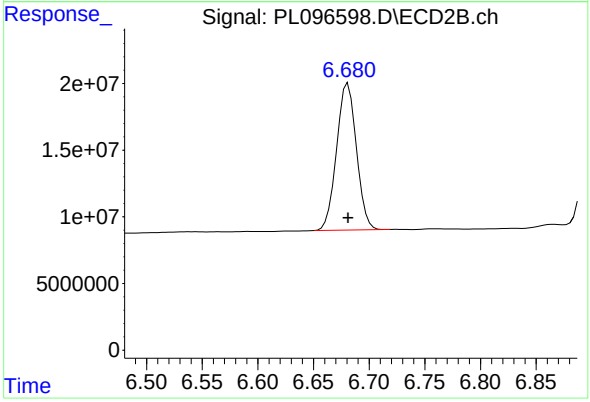
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 253136738
Conc: 50.00 ng/ml



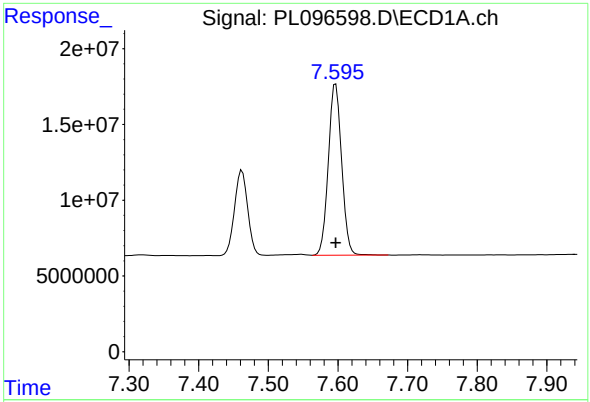
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 73900571
Conc: 50.00 ng/ml



#20 Methoxychlor

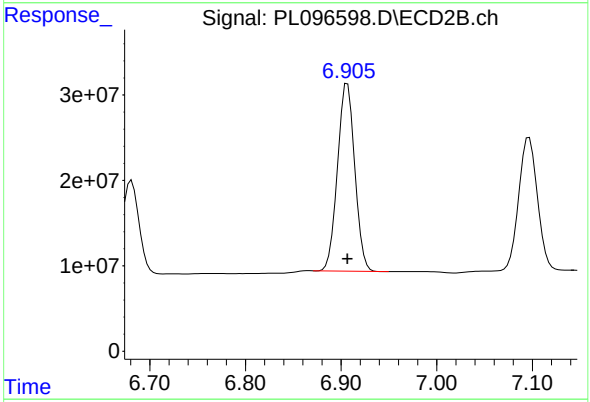
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 136578007
Conc: 50.00 ng/ml



#21 Endrin ketone

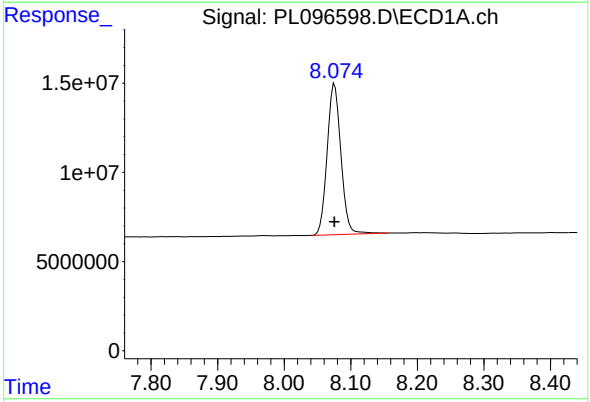
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 150195843
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



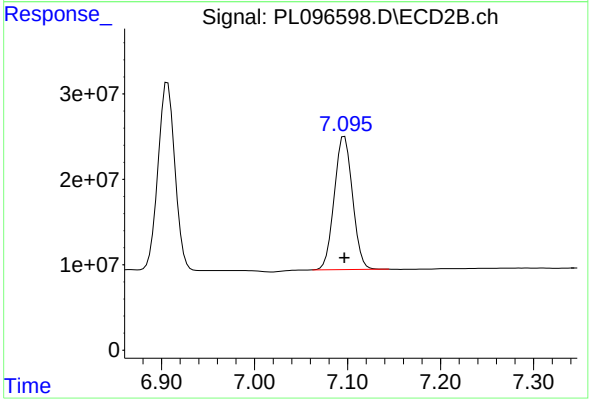
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 276465208
Conc: 50.00 ng/ml



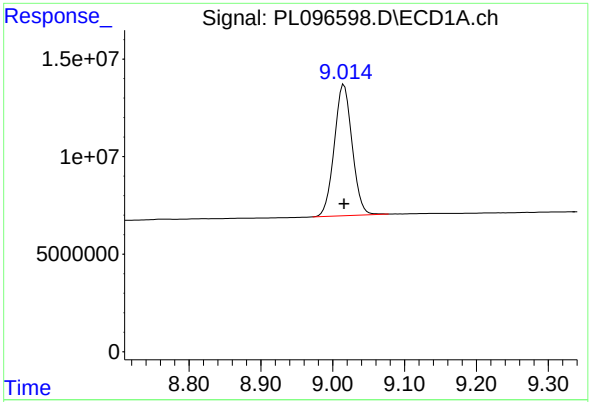
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 121932948
Conc: 50.00 ng/ml



#22 Mirex

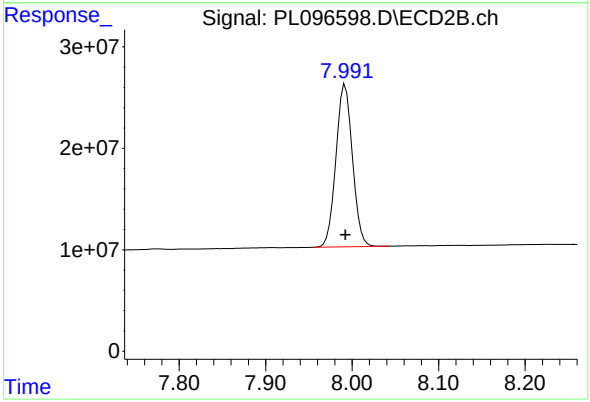
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 212706537
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 115821567
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 211174905
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	80667083	120.4E6	25.718	25.447
28)	SA Decachlor...	9.016	7.992	61253778	110.7E6	26.443	26.222
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	113.7E6	176.1E6	24.483	24.678
3)	MA gamma-BHC...	4.311	3.665	109.5E6	164.7E6	24.930	24.831
4)	MA Heptachlor	4.903	4.014	103.9E6	167.4E6	25.150	25.138
5)	MB Aldrin	5.242	4.297	106.1E6	154.6E6	24.852	24.810
6)	B beta-BHC	4.497	3.961	46424655	71835591	26.066	25.815
7)	B delta-BHC	4.743	4.195	98875722	161.7E6	24.853	24.903
8)	B Heptachlo...	5.662	4.799	97796537	143.3E6	25.420	25.140
9)	A Endosulfan I	6.044	5.170	89274310	138.5E6	25.243	25.835
10)	B gamma-Chl...	5.916	5.051	95166219	147.9E6	25.039	25.072
11)	B alpha-Chl...	5.996	5.115	96944619	147.4E6	25.499	25.414
12)	B 4,4'-DDE	6.166	5.303	77835138	135.9E6	24.731	24.536
13)	MA Dieldrin	6.316	5.434	91962286	148.1E6	24.768	25.106
14)	MA Endrin	6.542	5.709	76652120	133.6E6	25.664	24.852
15)	B Endosulfa...	6.755	6.001	79391270	129.4E6	26.092	25.256
16)	A 4,4'-DDD	6.675	5.856	62524397	117.6E6	24.773	25.050
17)	MA 4,4'-DDT	6.989	6.109	70933756	126.1E6	24.589	24.645
18)	B Endrin al...	6.884	6.177	54110594	98803191	25.464	26.338m
19)	B Endosulfa...	7.117	6.403	71756969	128.4E6	25.163	25.362
20)	A Methoxychlor	7.462	6.681	37688830	69721101	25.500	25.524
21)	B Endrin ke...	7.597	6.905	75730573	146.9E6	25.211	26.570m
22)	Mirex	8.076	7.097	63693911	111.6E6	26.118	26.231

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

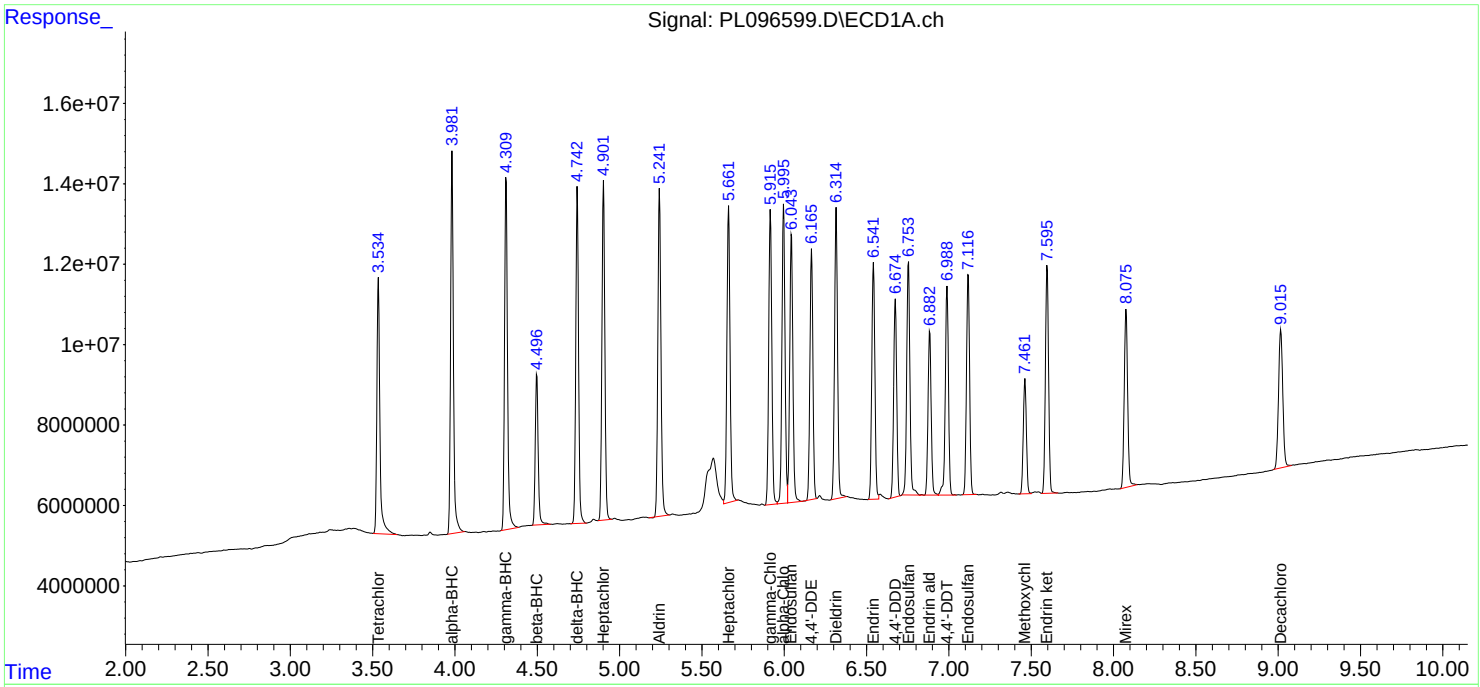
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

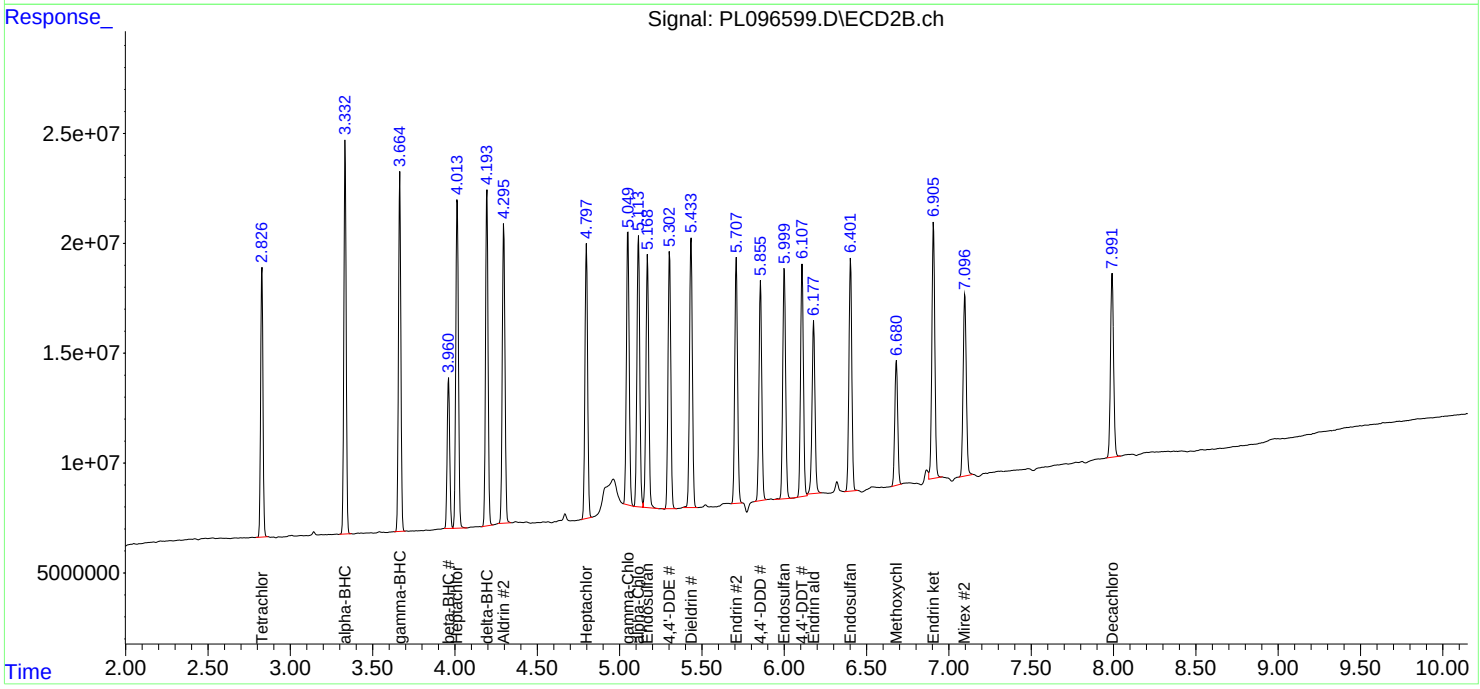
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

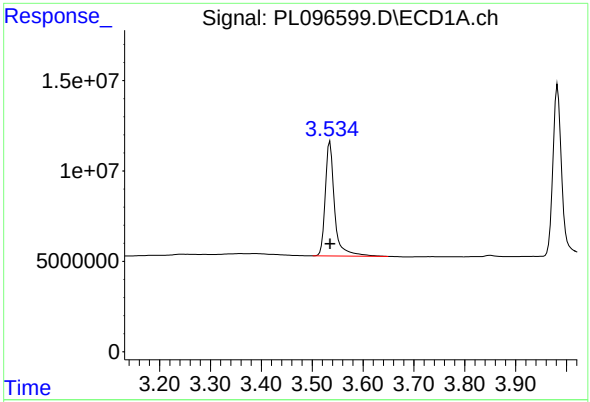
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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







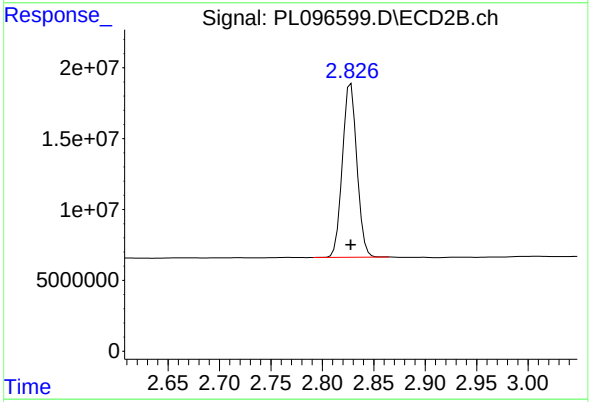
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 80667083
Conc: 25.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

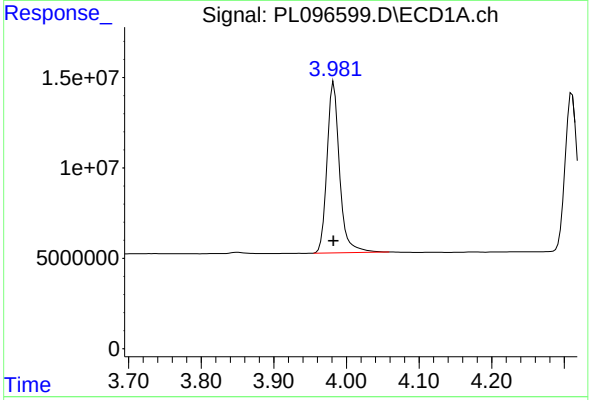
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



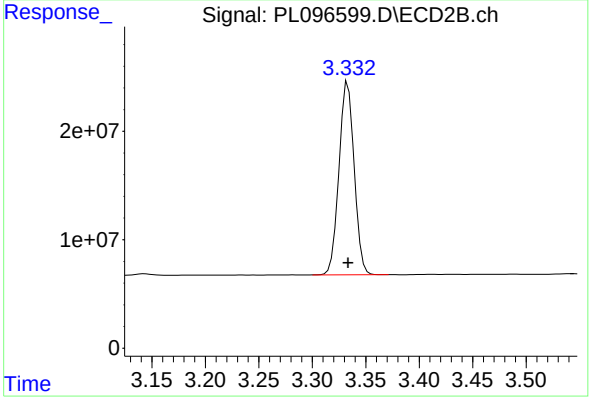
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 120387362
Conc: 25.45 ng/ml



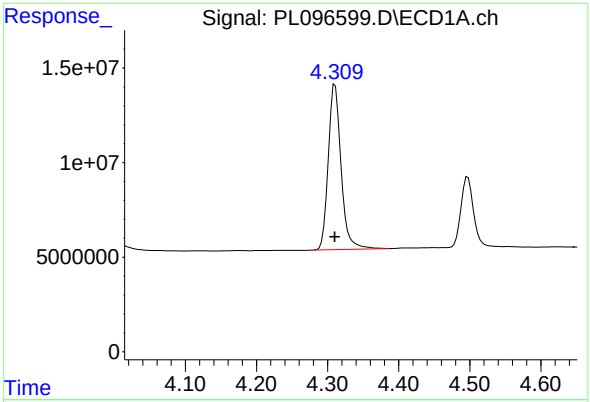
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 113727400
Conc: 24.48 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 176134463
Conc: 24.68 ng/ml



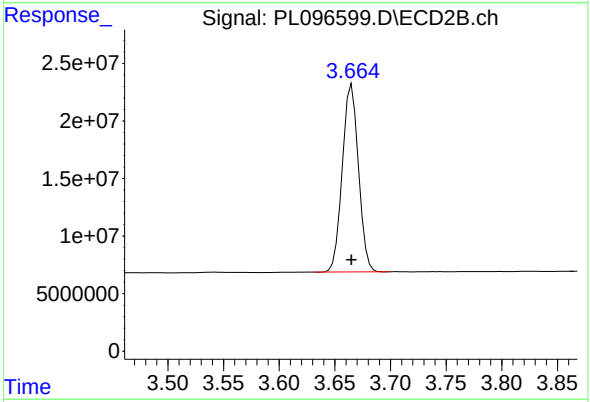
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 109455262
Conc: 24.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

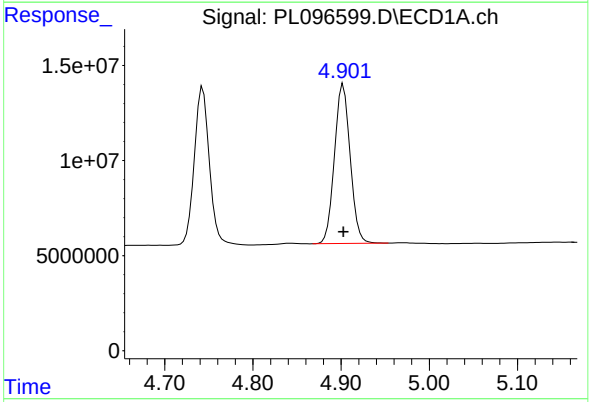
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



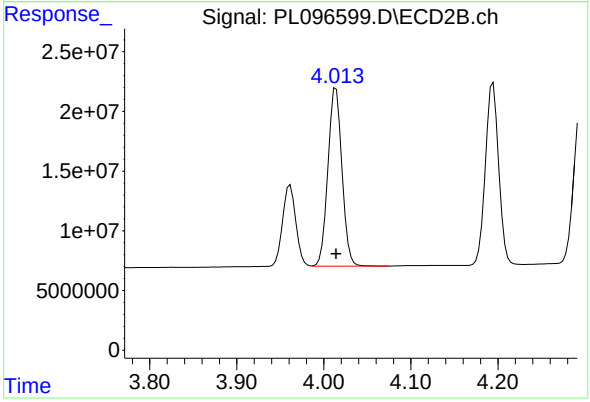
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 164738265
Conc: 24.83 ng/ml



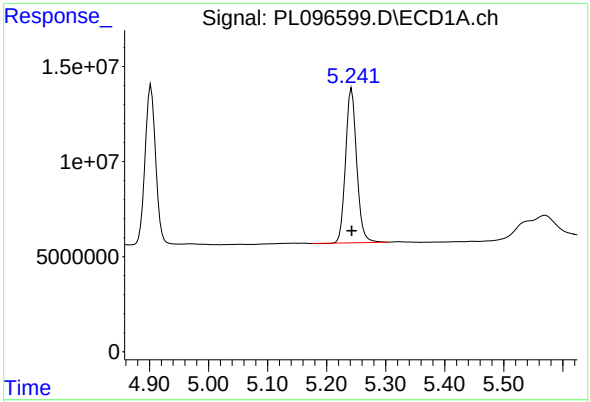
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 103855678
Conc: 25.15 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 167381908
Conc: 25.14 ng/ml



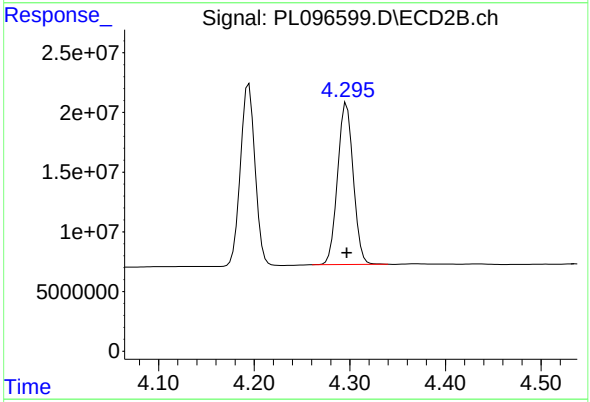
#5 Aldrin

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 106077325
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

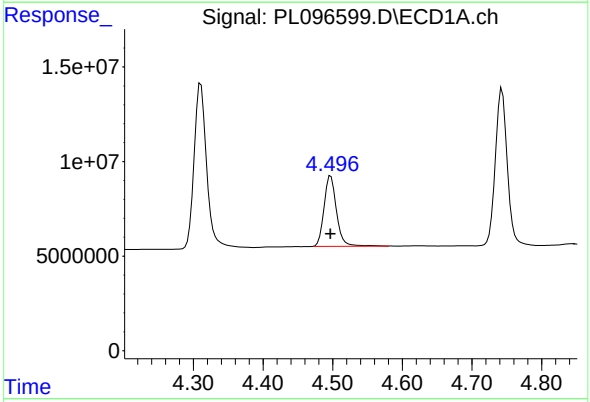
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



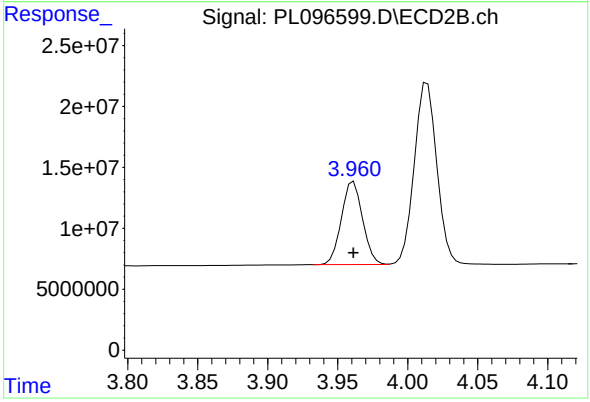
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 154569484
Conc: 24.81 ng/ml



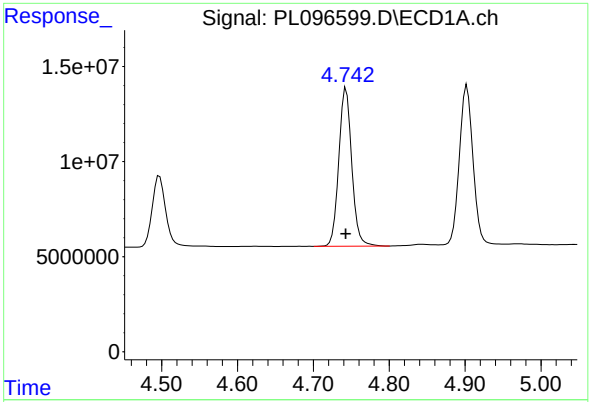
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 46424655
Conc: 26.07 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 71835591
Conc: 25.81 ng/ml



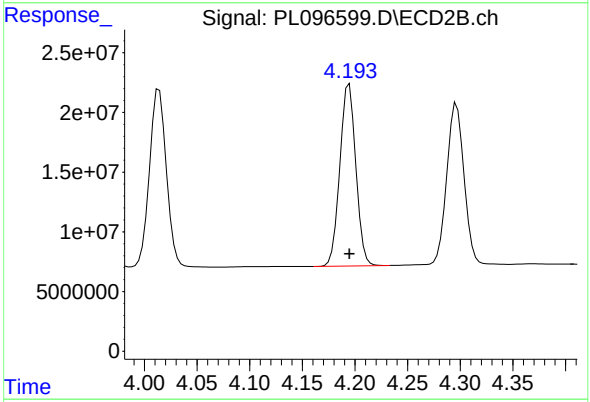
#7 delta-BHC

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 98875722
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

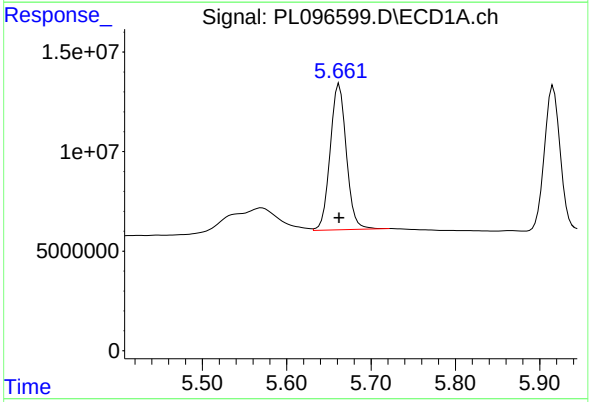
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



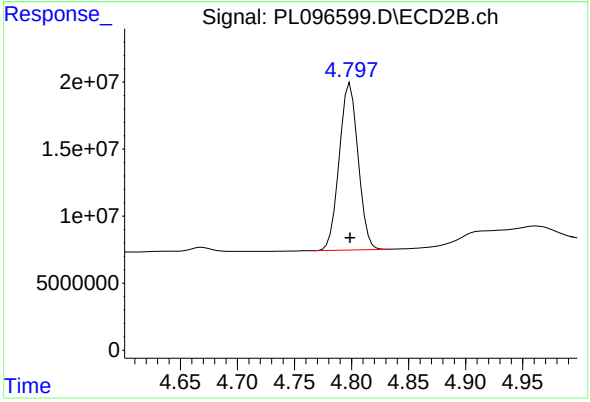
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 161747114
Conc: 24.90 ng/ml



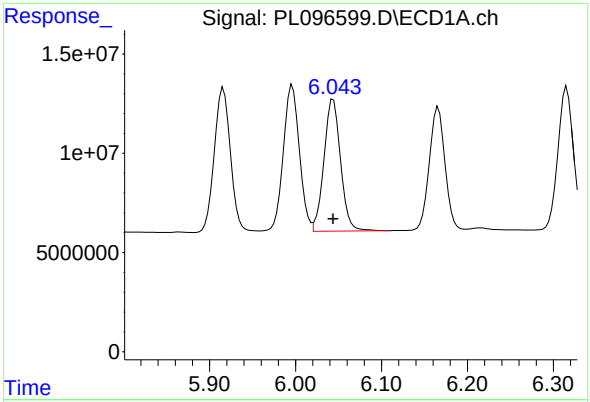
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 97796537
Conc: 25.42 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 143274077
Conc: 25.14 ng/ml



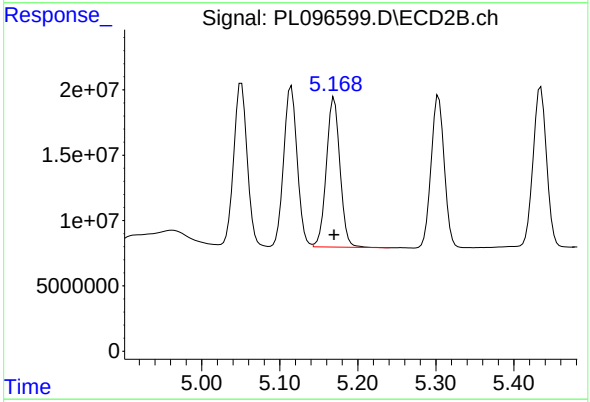
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 89274310
Conc: 25.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

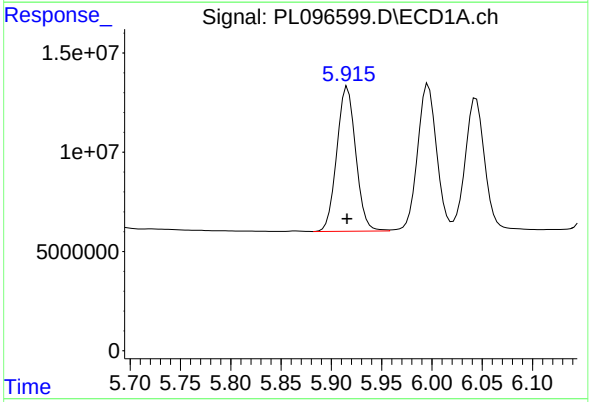
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



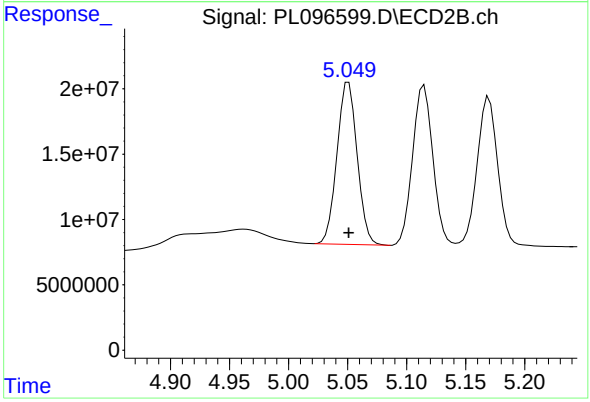
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 138547710
Conc: 25.84 ng/ml



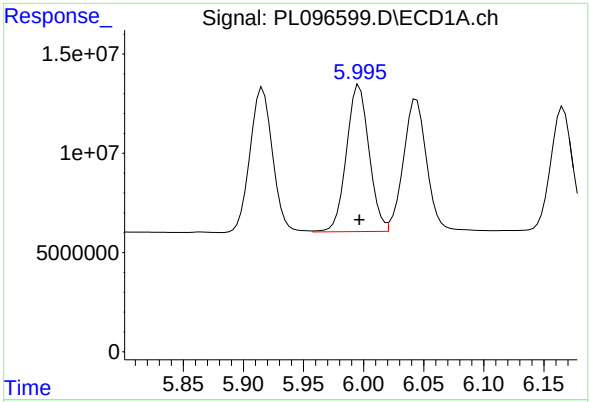
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 95166219
Conc: 25.04 ng/ml



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 147883477
Conc: 25.07 ng/ml



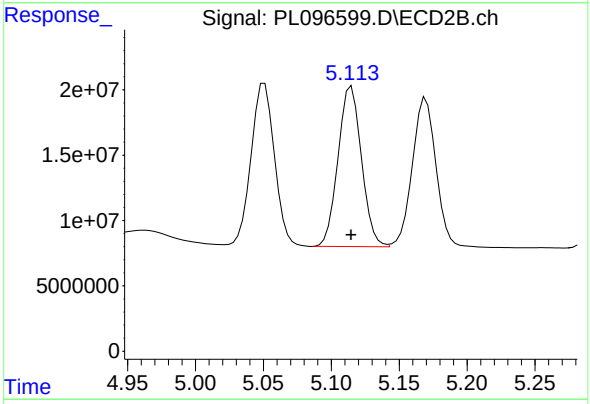
#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 96944619
Conc: 25.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

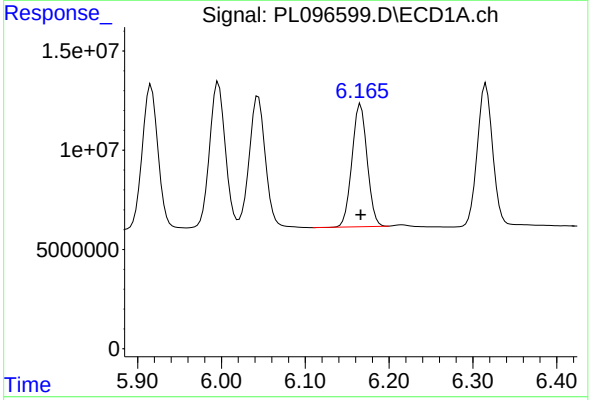
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



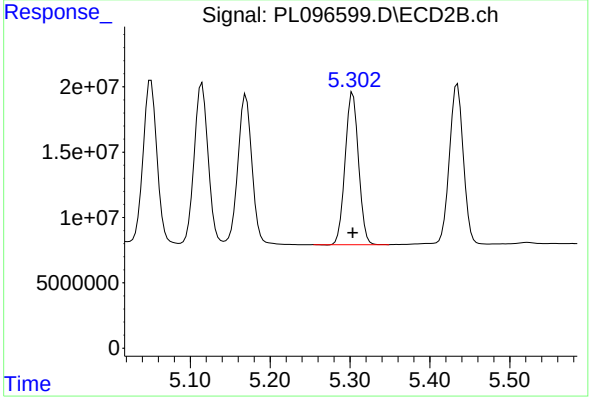
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 147407858
Conc: 25.41 ng/ml



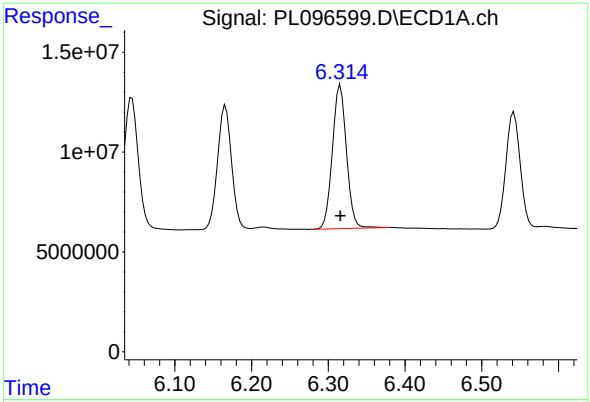
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 77835138
Conc: 24.73 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 135946511
Conc: 24.54 ng/ml



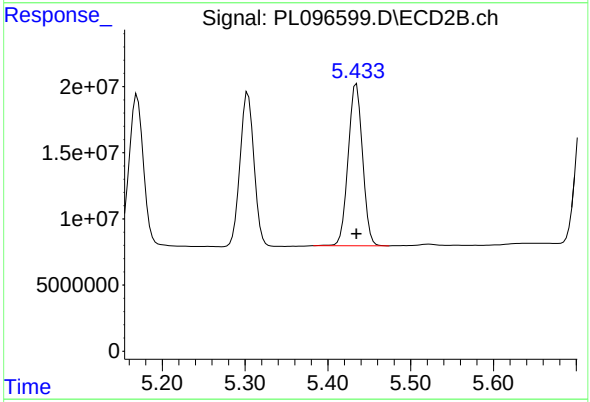
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 91962286
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

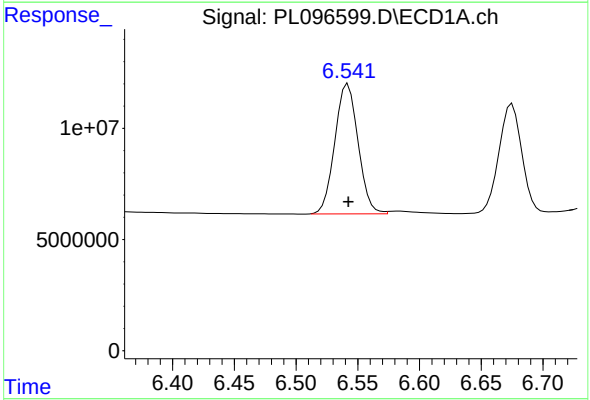
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



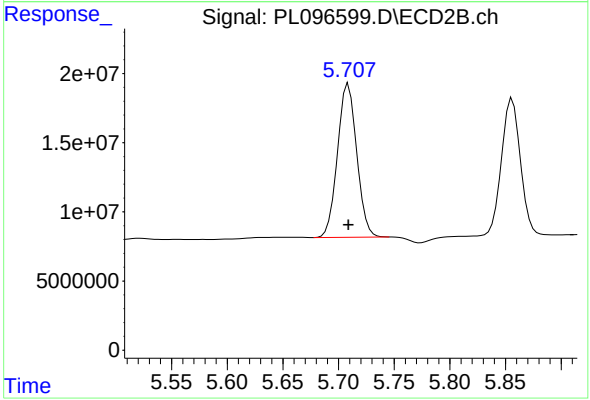
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 148077198
Conc: 25.11 ng/ml



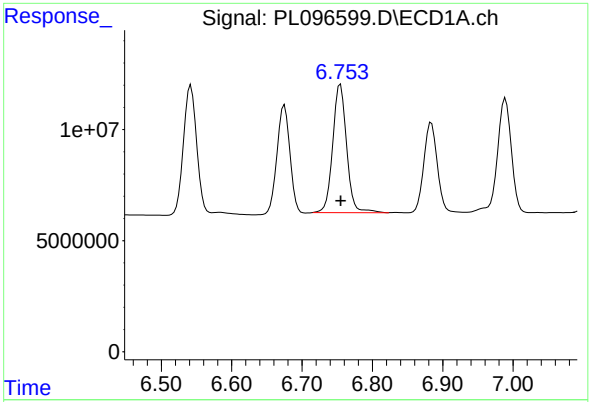
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 76652120
Conc: 25.66 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 133610110
Conc: 24.85 ng/ml



#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 79391270
Conc: 26.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

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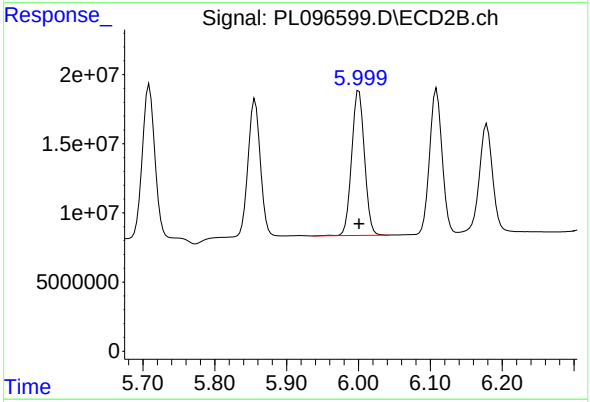
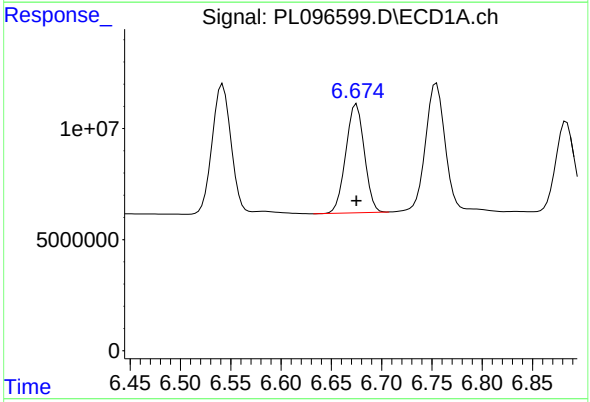
Supervised By :mohammad ahmed 07/30/2025



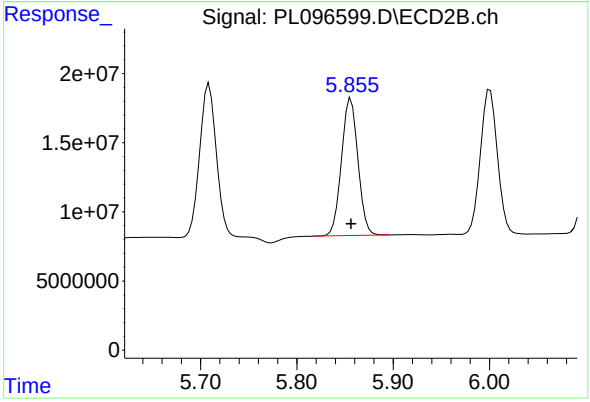
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 129380147
Conc: 25.26 ng/ml



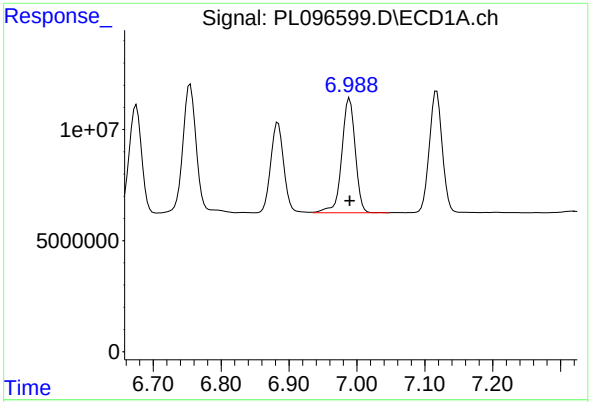
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 62524397
Conc: 24.77 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 117568590
Conc: 25.05 ng/ml



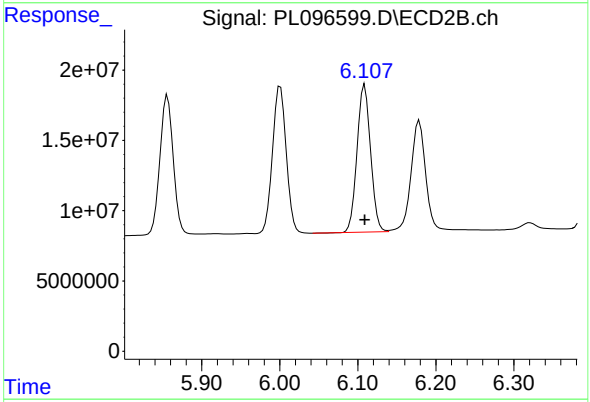
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 70933756
Conc: 24.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

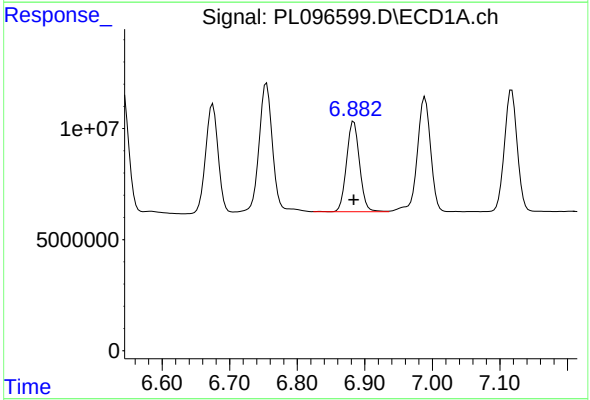
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



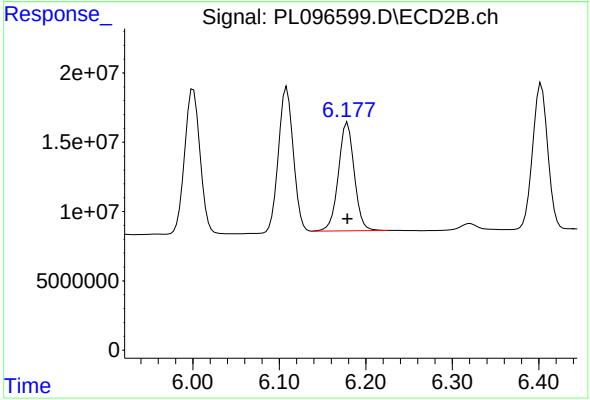
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 126146252
Conc: 24.65 ng/ml



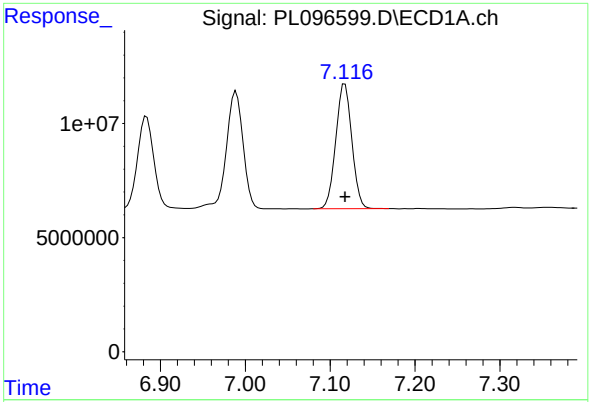
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 54110594
Conc: 25.46 ng/ml



#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.001 min
Response: 98803191
Conc: 26.34 ng/ml m



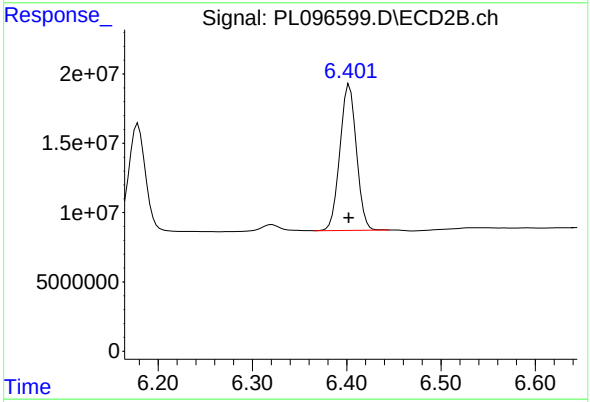
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 71756969
Conc: 25.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

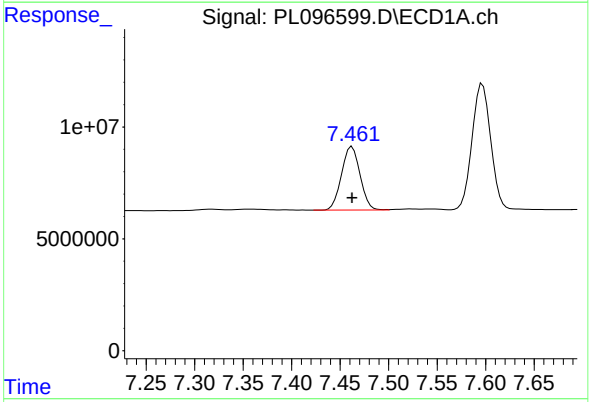
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



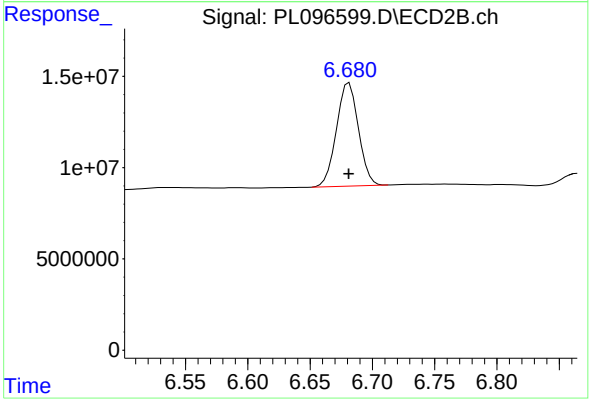
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 128398736
Conc: 25.36 ng/ml



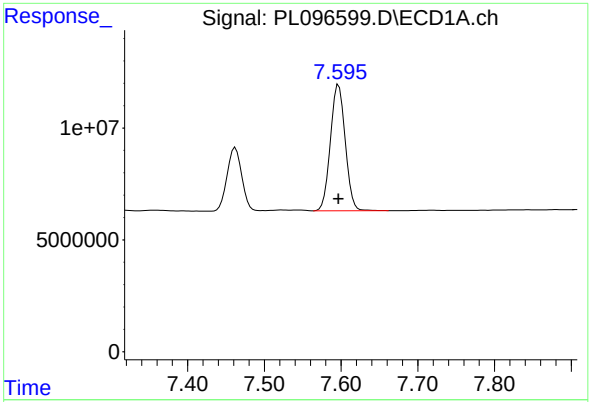
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 37688830
Conc: 25.50 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 69721101
Conc: 25.52 ng/ml



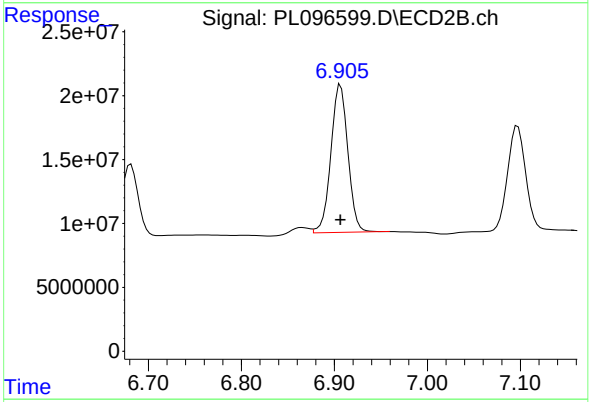
#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 75730573
Conc: 25.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

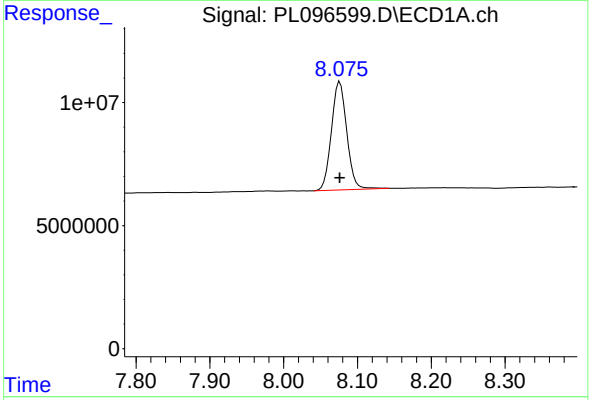
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



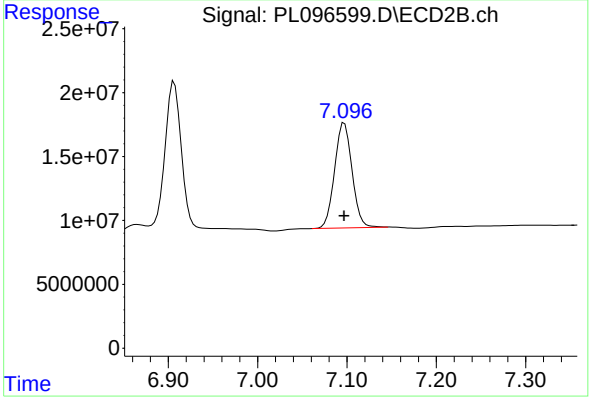
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 146914534
Conc: 26.57 ng/ml m



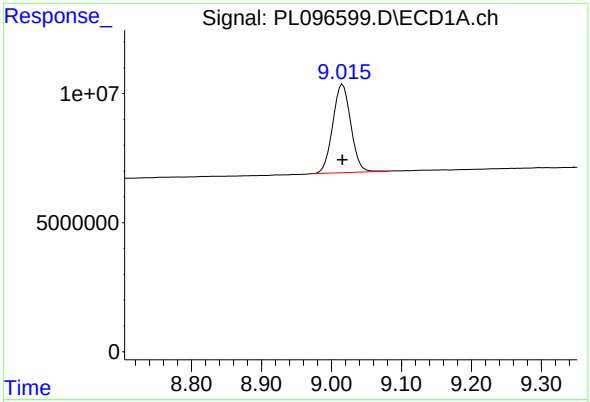
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 63693911
Conc: 26.12 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 111590978
Conc: 26.23 ng/ml



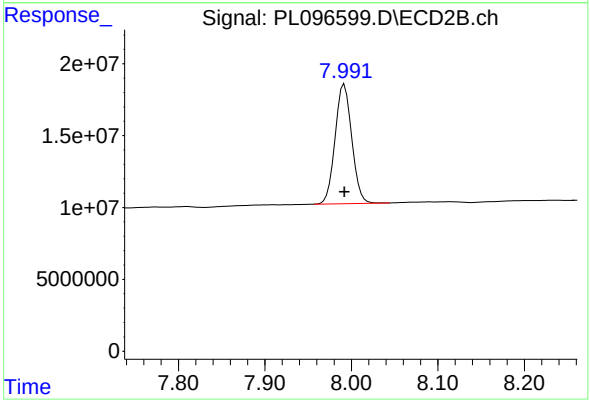
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 61253778
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 110748988
Conc: 26.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.827	16289913	24636469	5.193	5.207
28)	SA Decachlor...	9.016	7.992	13081800	24155779	5.647	5.719
	Target Compounds						
2)	A alpha-BHC	3.981	3.333	21891026	33671129	4.713	4.718
3)	MA gamma-BHC...	4.310	3.664	21804234	32260997	4.966	4.863
4)	MA Heptachlor	4.901	4.013	20915741	33277461	5.065m	4.998
5)	MB Aldrin	5.240	4.296	21509762	30546909	5.039m	4.903
6)	B beta-BHC	4.497	3.961	9319336	14886777	5.233	5.350
7)	B delta-BHC	4.742	4.194	19209773	31362311	4.828	4.829
8)	B Heptachlo...	5.660	4.798	19218202	28926139	4.995m	5.076
9)	A Endosulfan I	6.043	5.169	18404240	30432392	5.204	5.675
10)	B gamma-Chl...	5.915	5.050	18527805	28851412	4.875	4.891
11)	B alpha-Chl...	5.996	5.115	19648624	31301796	5.168	5.397
12)	B 4,4'-DDE	6.165	5.303	16169148	26895387	5.138	4.854
13)	MA Dieldrin	6.315	5.434	17886564	29267822	4.817	4.962
14)	MA Endrin	6.541	5.709	14803966	27745055	4.957	5.161
15)	B Endosulfa...	6.753	6.000	18583621	26018008	6.107m	5.079
16)	A 4,4'-DDD	6.674	5.856	12297723	23708739	4.873	5.052
17)	MA 4,4'-DDT	6.989	6.108	13672011	24000169	4.739	4.689
18)	B Endrin al...	6.884	6.177	11040304	28959356	5.195	7.720m#
19)	B Endosulfa...	7.117	6.402	14782385	26237528	5.184	5.182
20)	A Methoxychlor	7.462	6.681	7310793	14153462	4.946	5.181
21)	B Endrin ke...	7.597	6.907	15006830	27568439	4.996	4.986
22)	Mirex	8.076	7.097	13350221	24190284	5.474	5.686

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

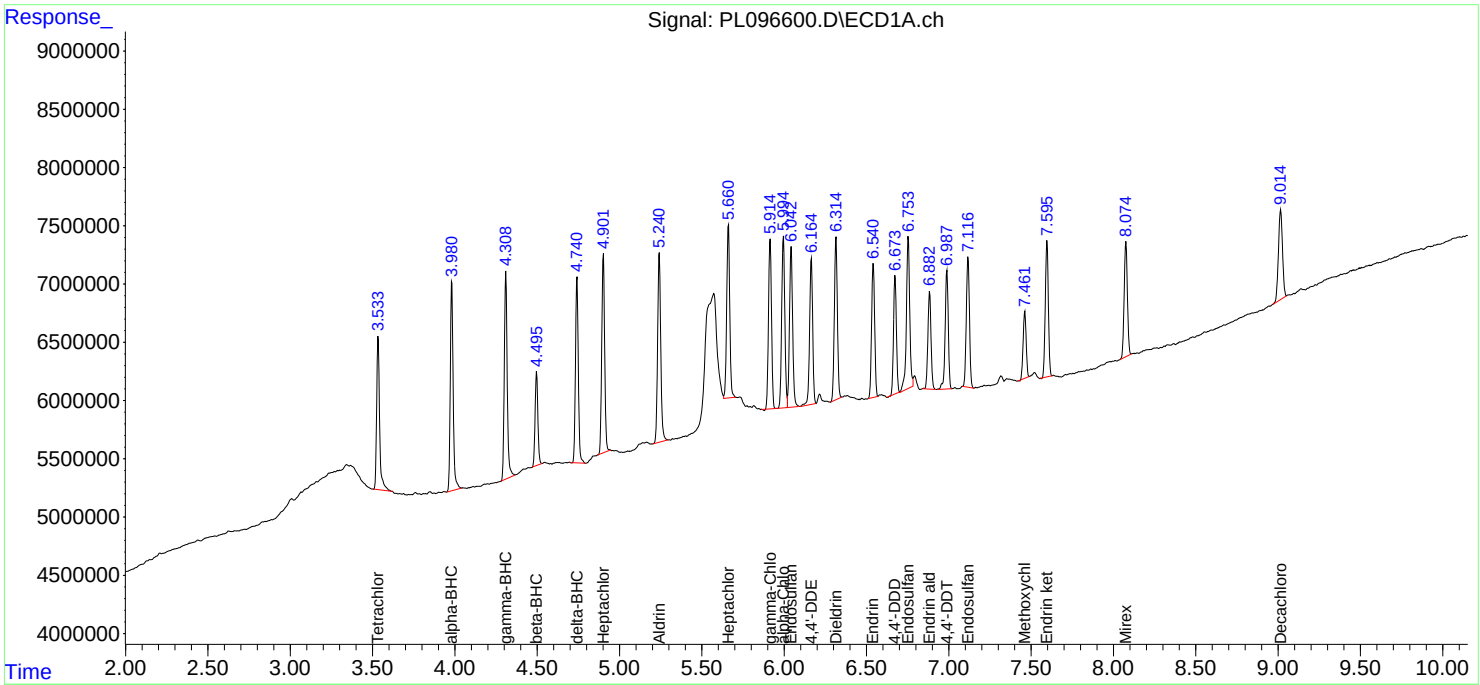
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

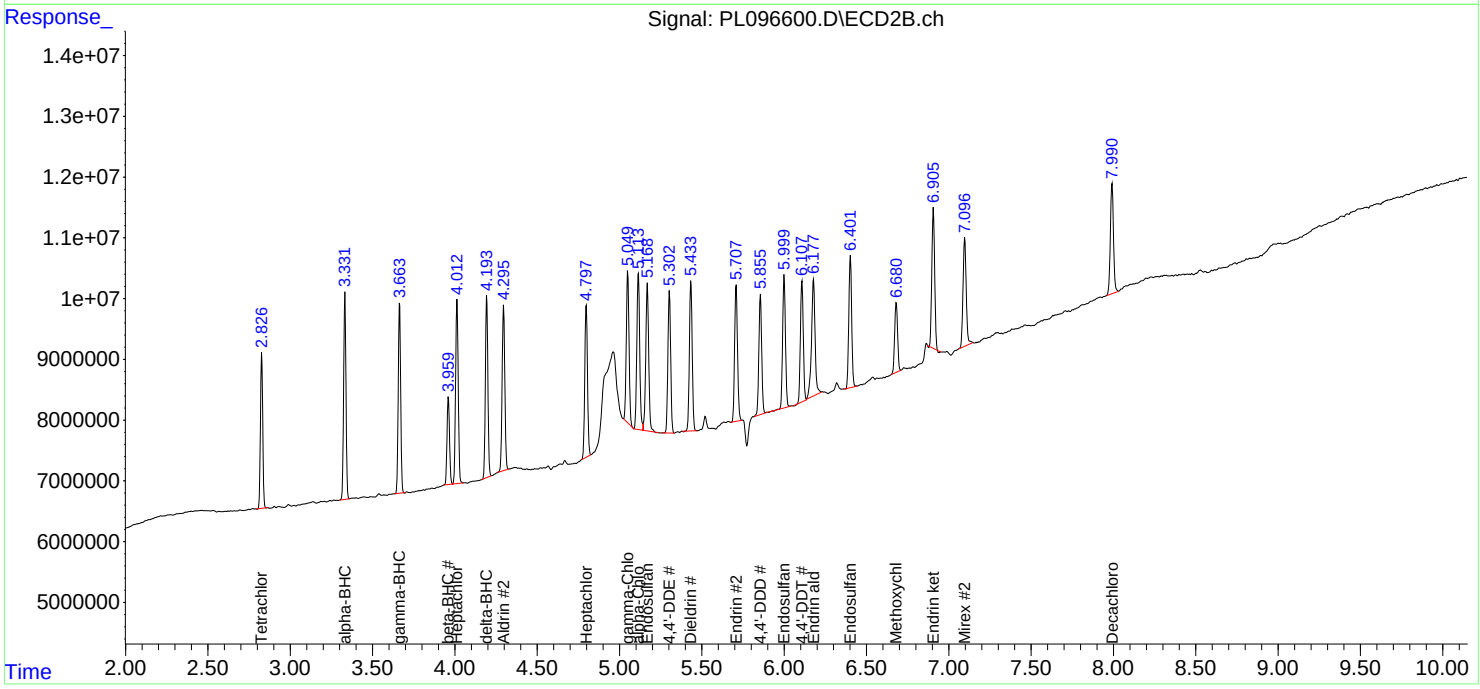
Manual Integrations APPROVED

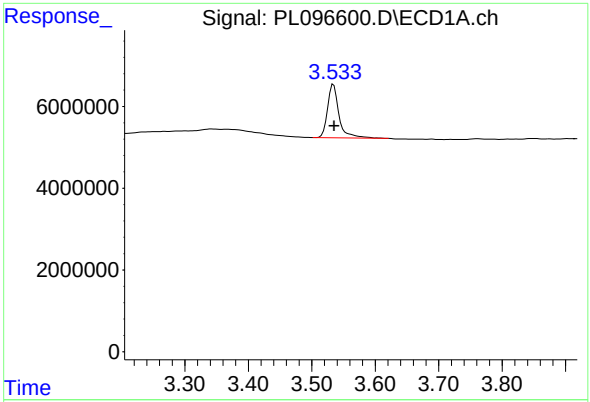
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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







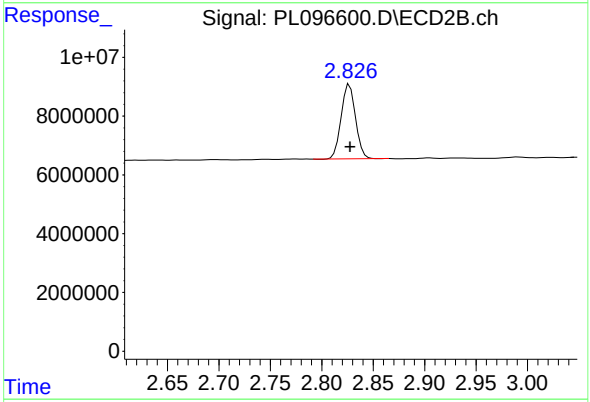
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 16289913
Conc: 5.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

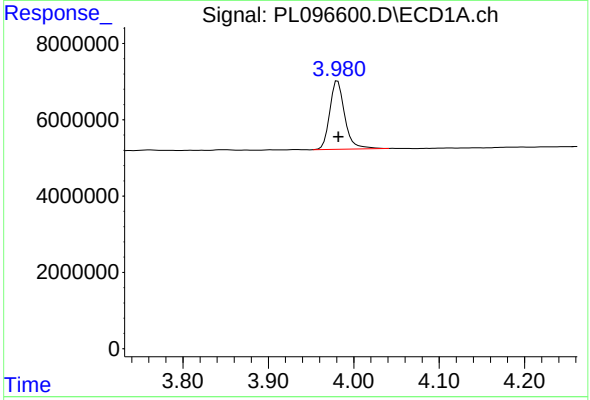
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



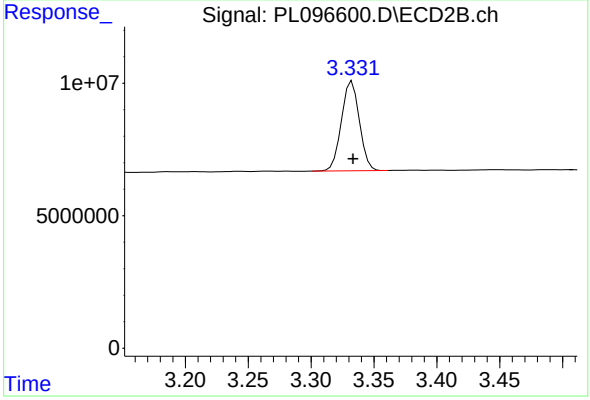
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 24636469
Conc: 5.21 ng/ml



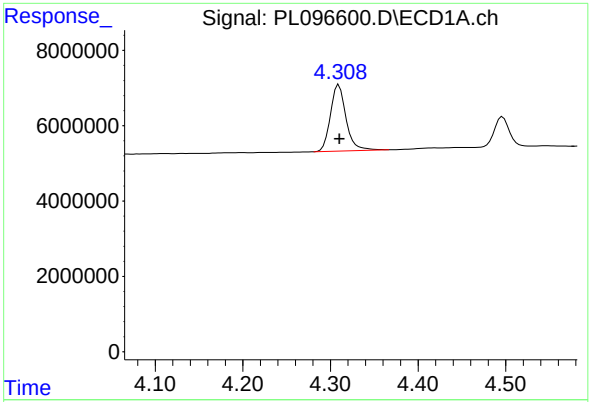
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: 0.000 min
Response: 21891026
Conc: 4.71 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 33671129
Conc: 4.72 ng/ml



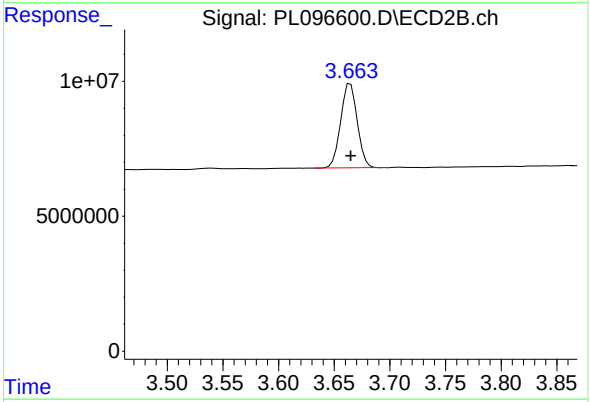
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: 0.000 min
Response: 21804234
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

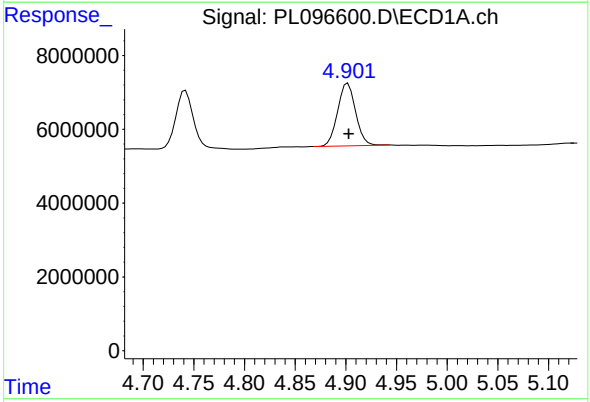
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



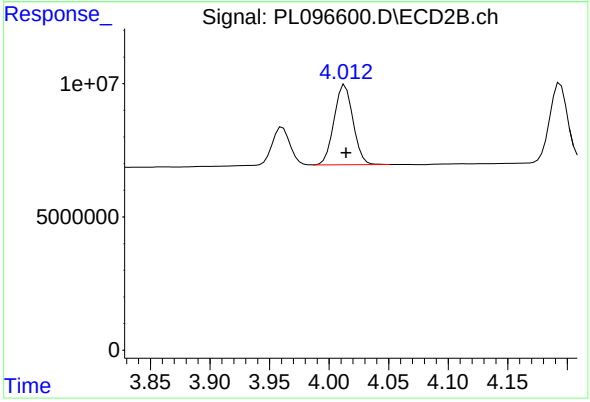
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 32260997
Conc: 4.86 ng/ml



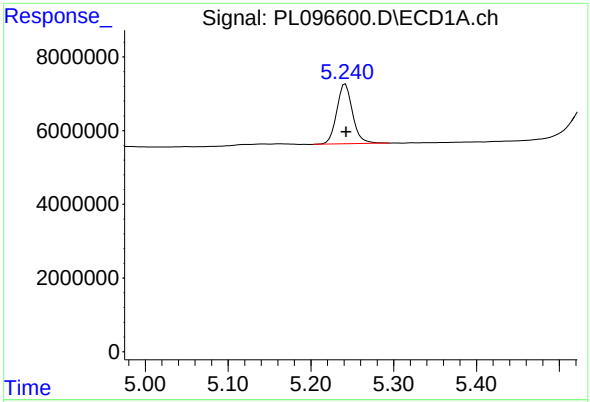
#4 Heptachlor

R.T.: 4.901 min
Delta R.T.: -0.002 min
Response: 20915741
Conc: 5.06 ng/ml m



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 33277461
Conc: 5.00 ng/ml



#5 Aldrin

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 21509762
Conc: 5.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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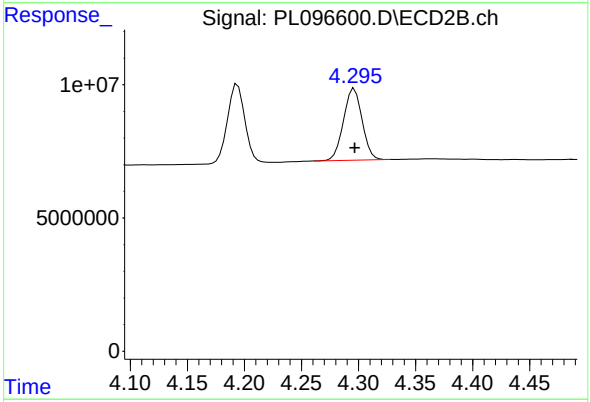
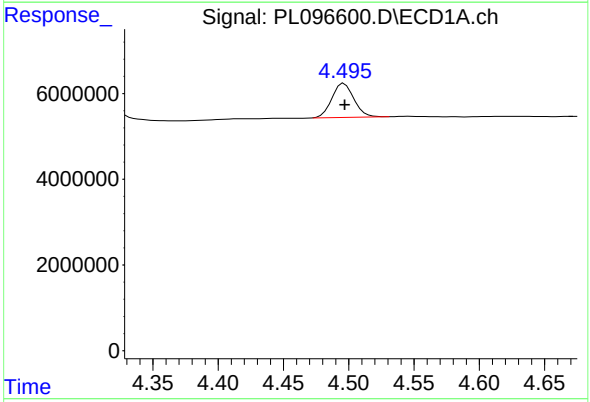


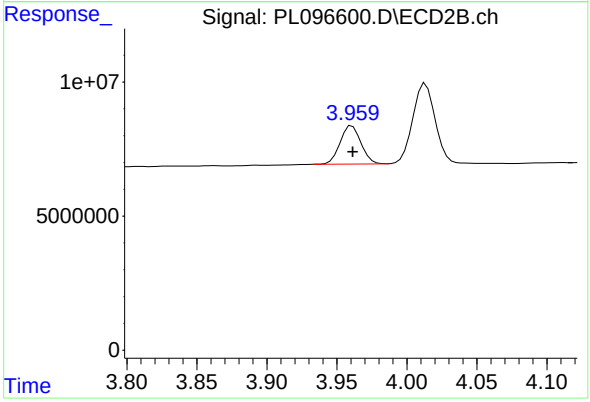
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: 0.000 min
Response: 30546909
Conc: 4.90 ng/ml



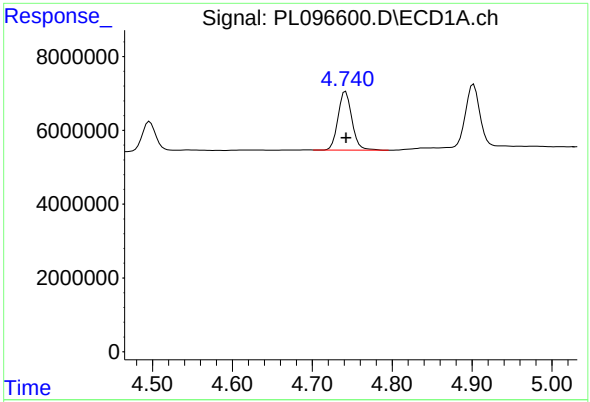
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 9319336
Conc: 5.23 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 14886777
Conc: 5.35 ng/ml



#7 delta-BHC

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 19209773
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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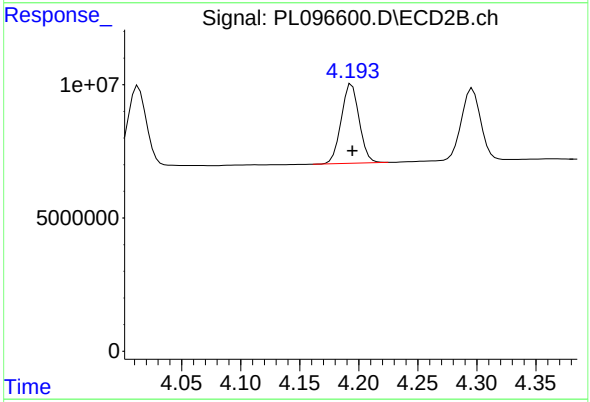
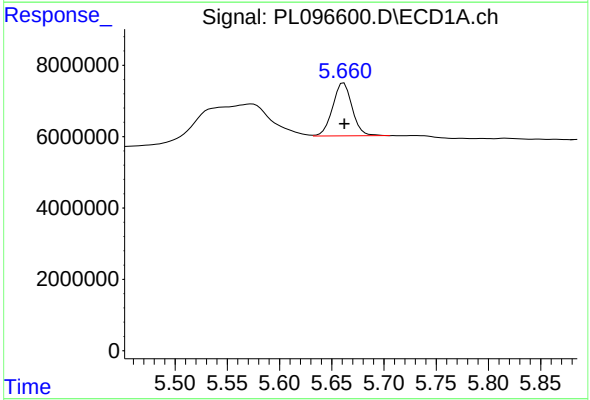


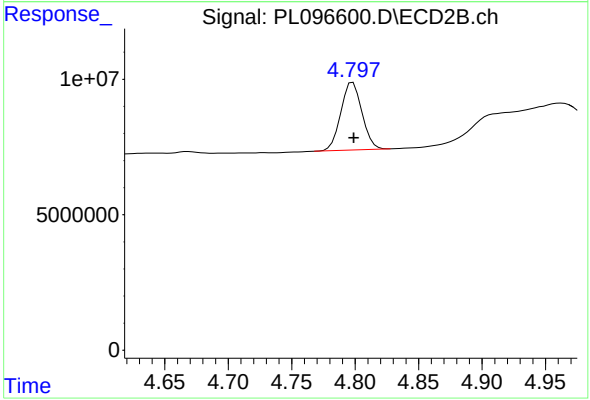
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: 0.000 min
Response: 31362311
Conc: 4.83 ng/ml



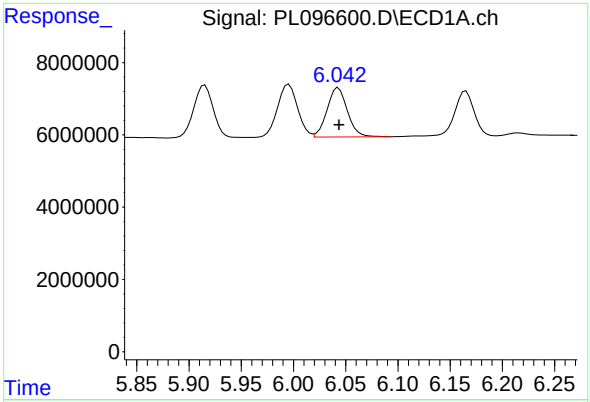
#8 Heptachlor epoxide

R.T.: 5.660 min
Delta R.T.: -0.002 min
Response: 19218202
Conc: 5.00 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 28926139
Conc: 5.08 ng/ml



#9 Endosulfan I

R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 18404240
Conc: 5.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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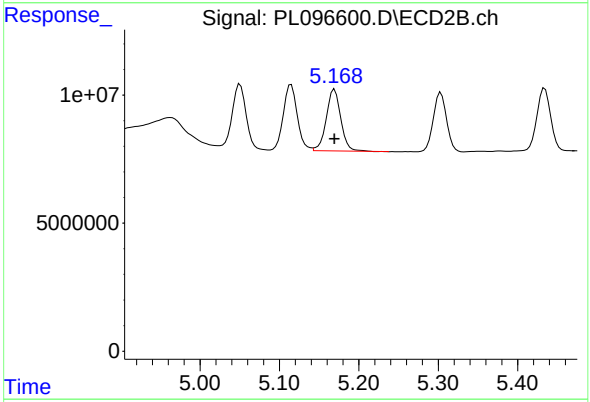
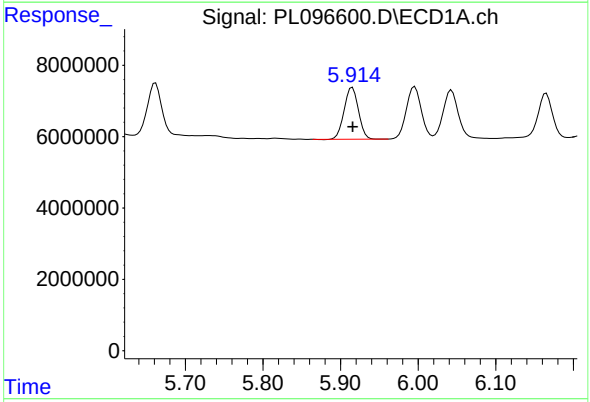


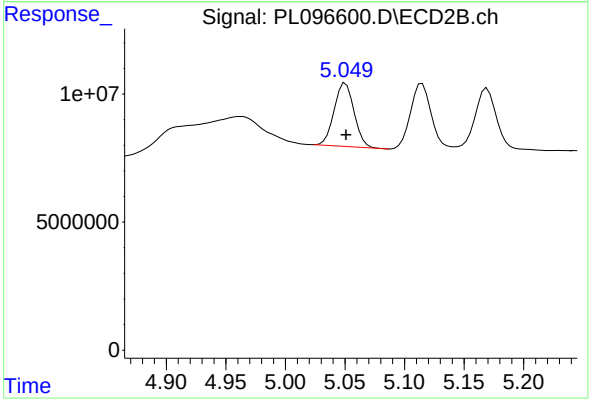
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 30432392
Conc: 5.67 ng/ml



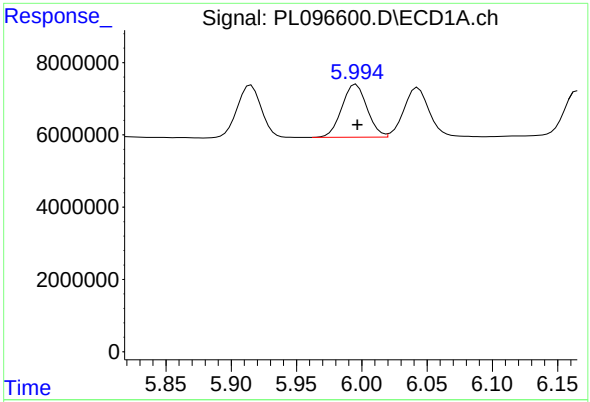
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 18527805
Conc: 4.87 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 28851412
Conc: 4.89 ng/ml



#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 19648624
Conc: 5.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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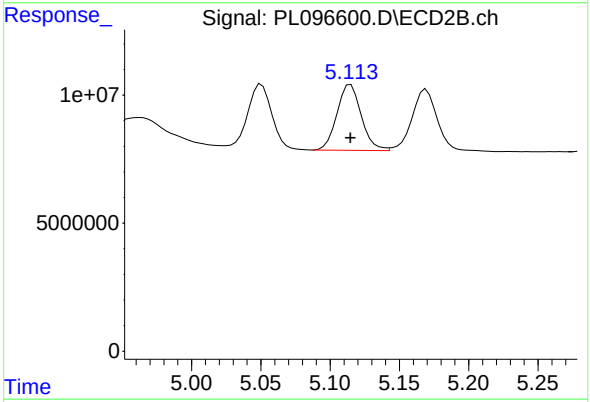
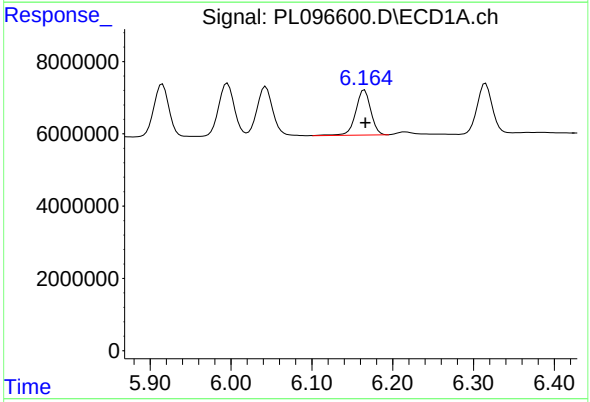


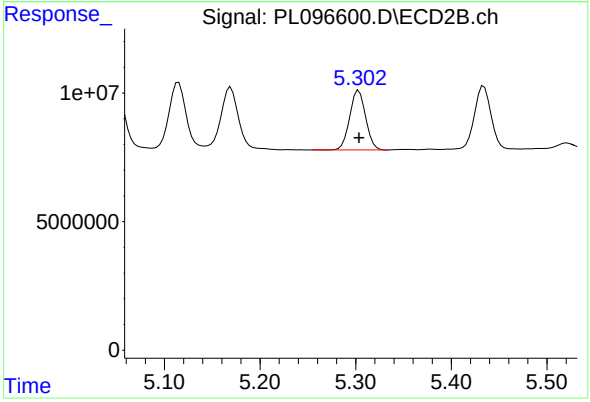
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 31301796
Conc: 5.40 ng/ml



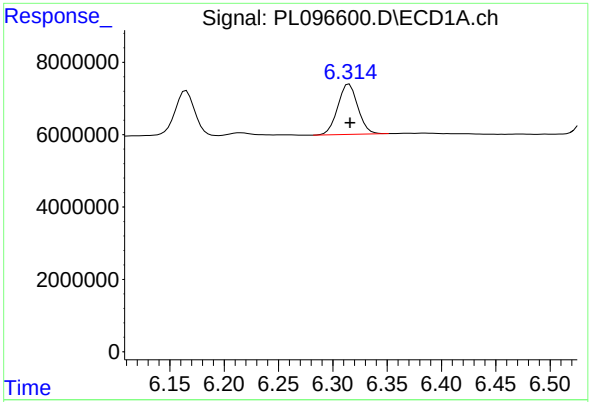
#12 4,4'-DDE

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 16169148
Conc: 5.14 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 26895387
Conc: 4.85 ng/ml



#13 Dieldrin

R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 17886564
Conc: 4.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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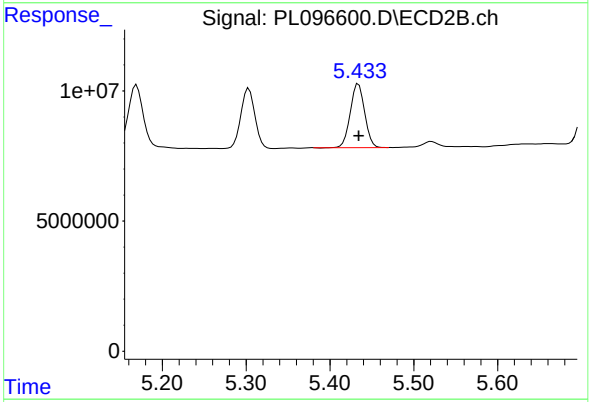
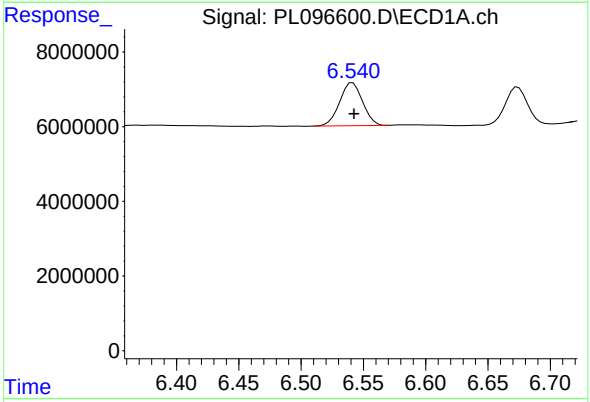


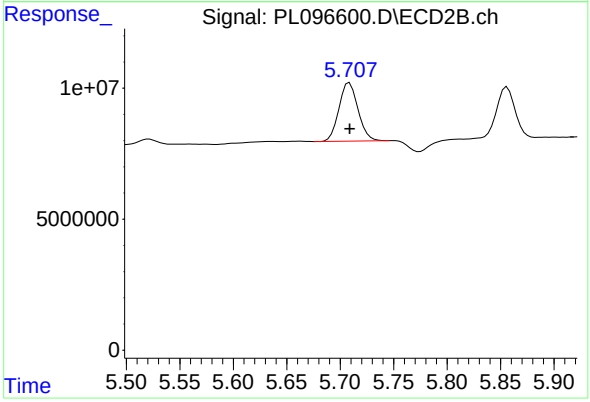
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 29267822
Conc: 4.96 ng/ml



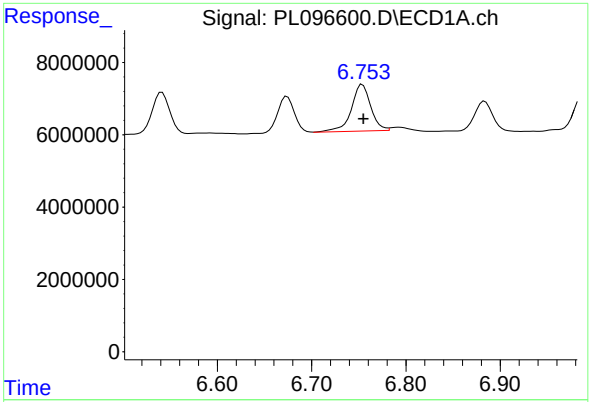
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.001 min
Response: 14803966
Conc: 4.96 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 27745055
Conc: 5.16 ng/ml



#15 Endosulfan II

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 18583621
Conc: 6.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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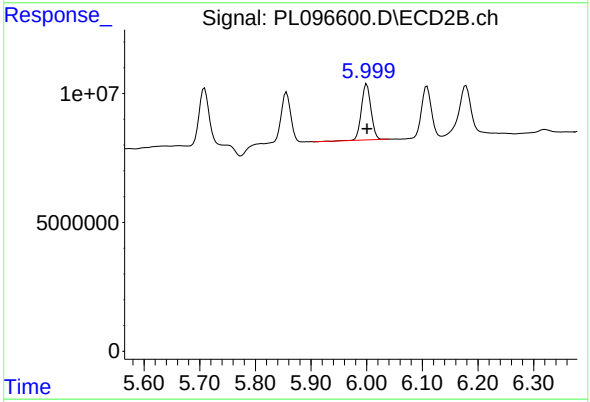
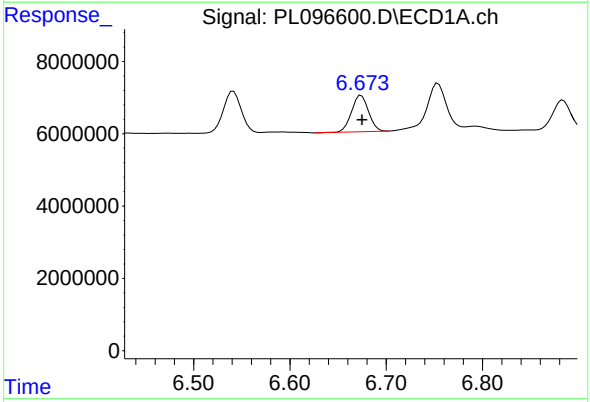


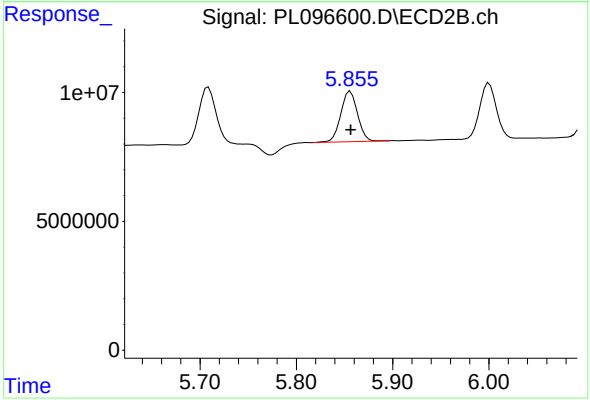
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 26018008
Conc: 5.08 ng/ml



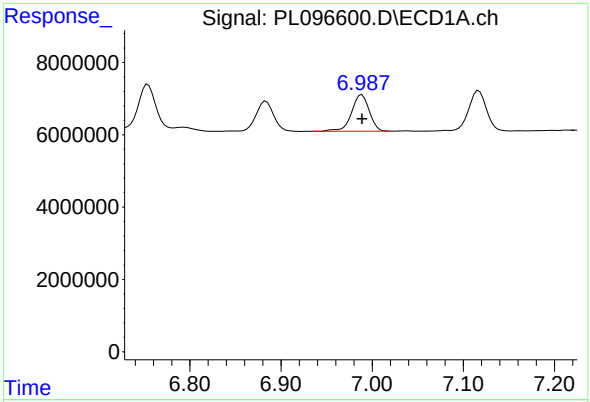
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 12297723
Conc: 4.87 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 23708739
Conc: 5.05 ng/ml



#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 13672011
Conc: 4.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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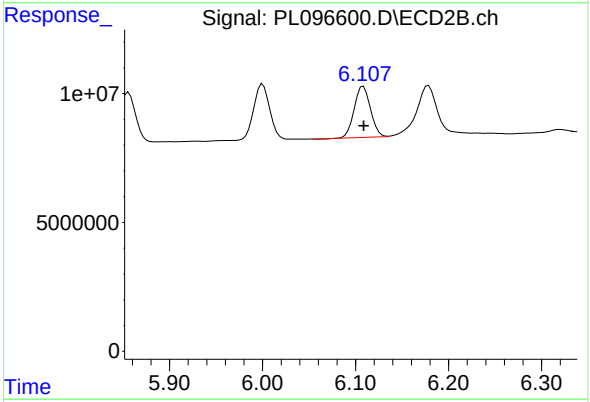
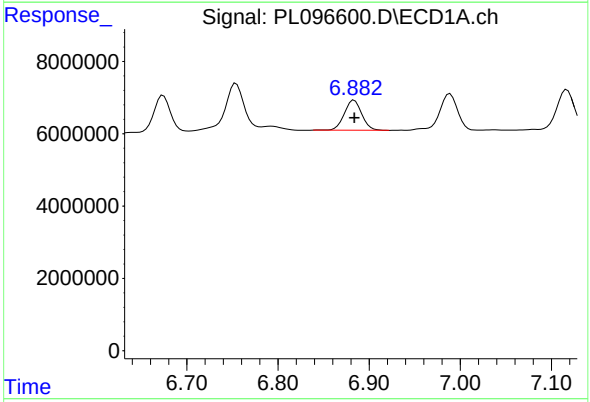


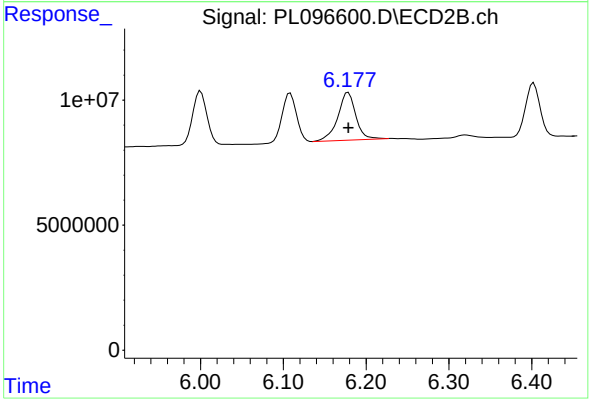
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 24000169
Conc: 4.69 ng/ml



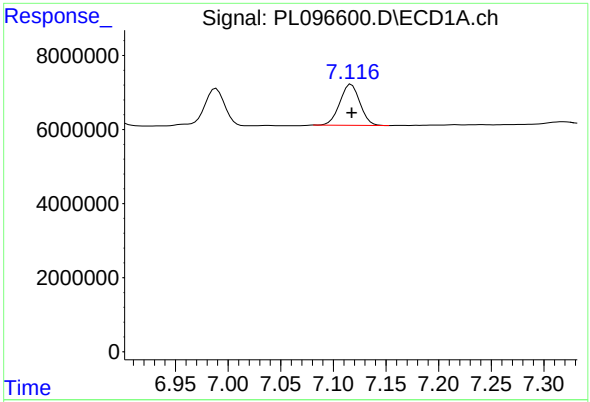
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 11040304
Conc: 5.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 28959356
Conc: 7.72 ng/ml m



#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 14782385
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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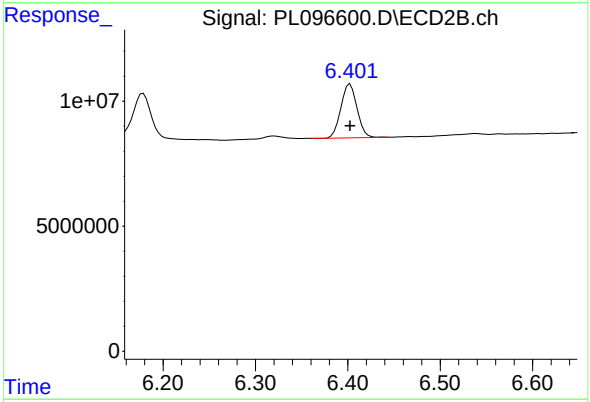
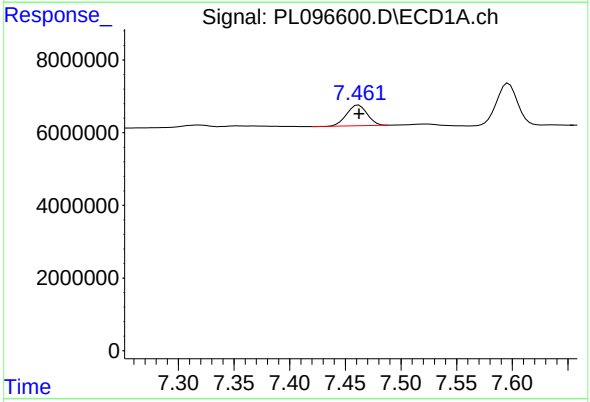


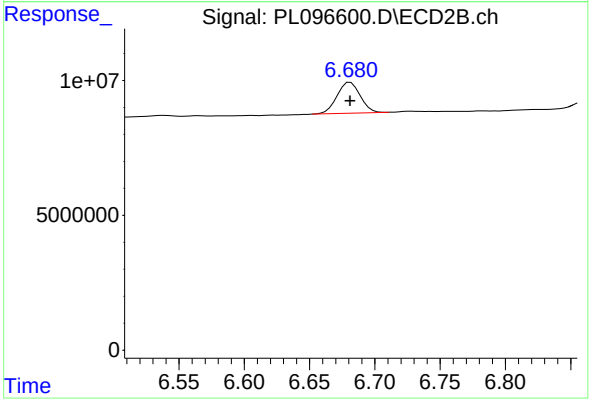
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 26237528
Conc: 5.18 ng/ml



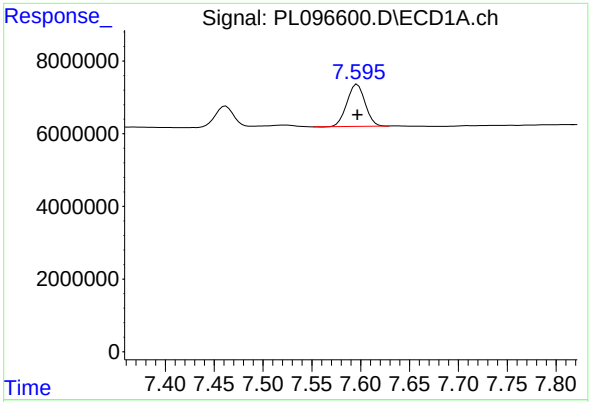
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 7310793
Conc: 4.95 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 14153462
Conc: 5.18 ng/ml



#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 15006830
Conc: 5.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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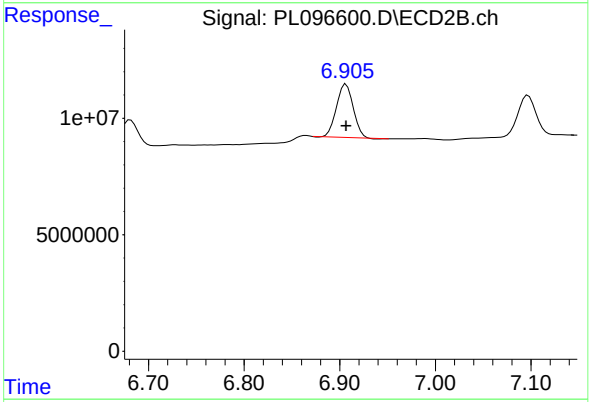
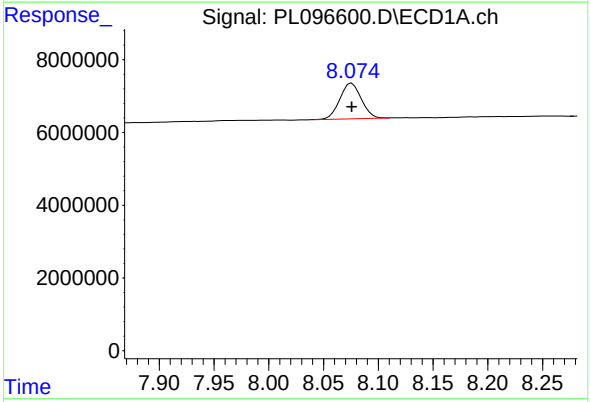


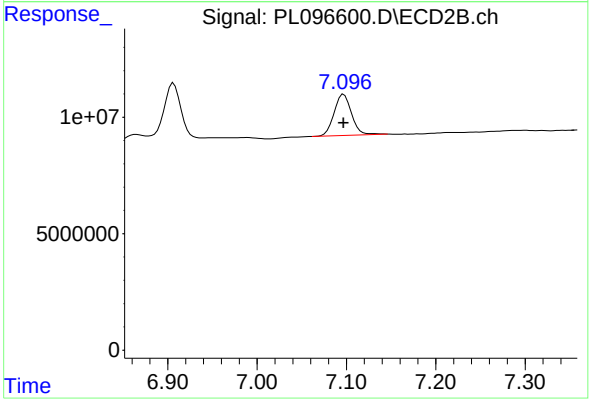
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 27568439
Conc: 4.99 ng/ml



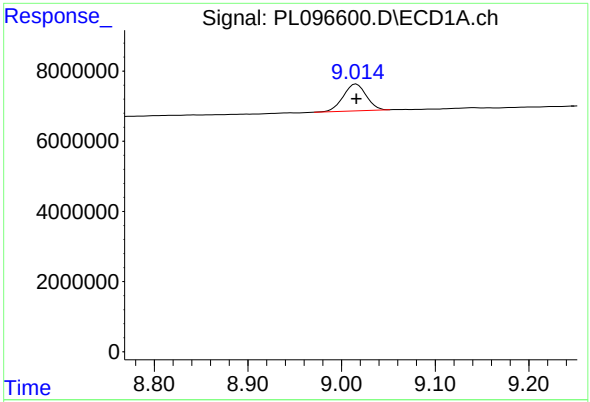
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 13350221
Conc: 5.47 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 24190284
Conc: 5.69 ng/ml



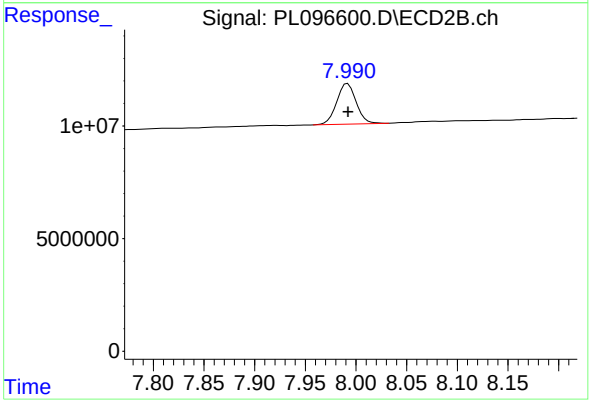
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 13081800
Conc: 5.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 24155779
Conc: 5.72 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 18:27
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:11:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:08:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.827	154.7E6	305.4E6	50.000	50.000
28)	SA Decachlor...	9.015	7.991	113.6E6	210.4E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.689	3.838	80999277	100.1E6	500.000	500.000
24)	Chlordane-2	5.213	4.418	83409909	115.0E6	500.000	500.000
25)	Chlordane-3	5.917	5.052	326.5E6	336.1E6	500.000	500.000
26)	Chlordane-4	6.001	5.115	403.5E6	300.6E6	500.000	500.000
27)	Chlordane-5	6.838	6.009	63996555	122.4E6	500.000	500.000

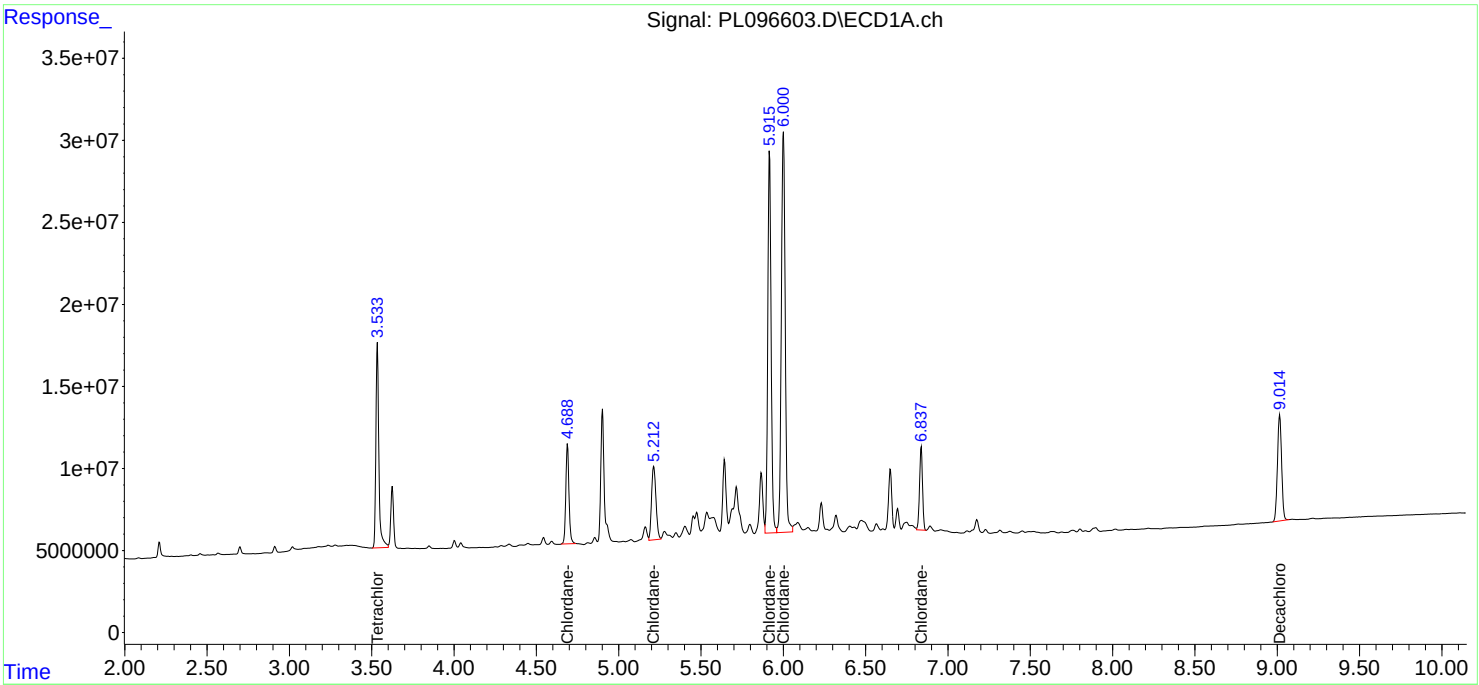
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

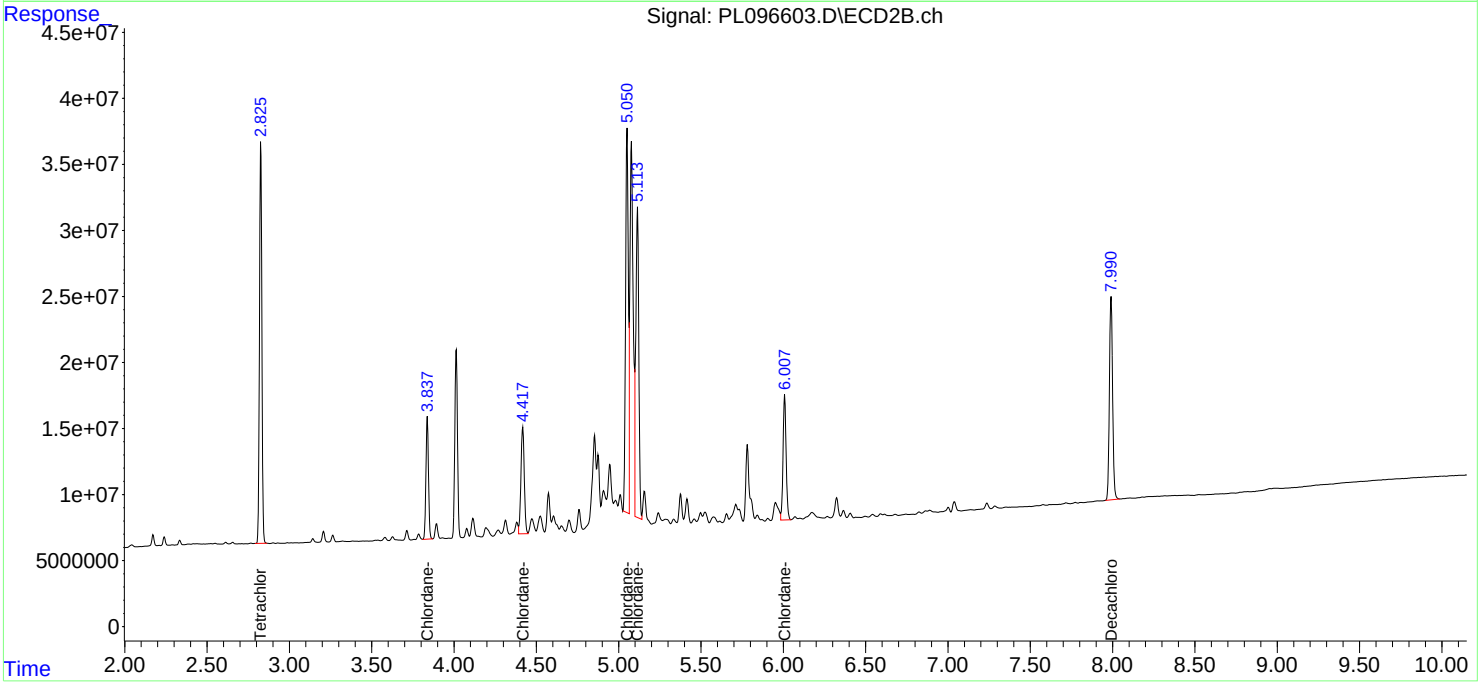
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 18:27
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

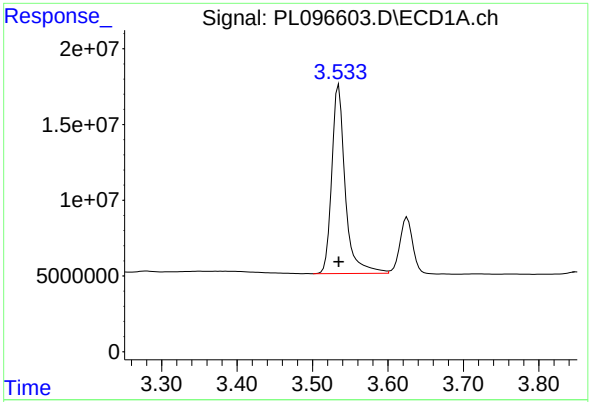
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:11:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:08:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



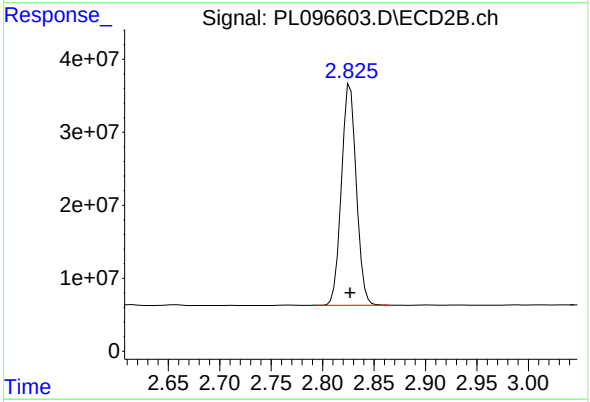




#1 Tetrachloro-m-xylene

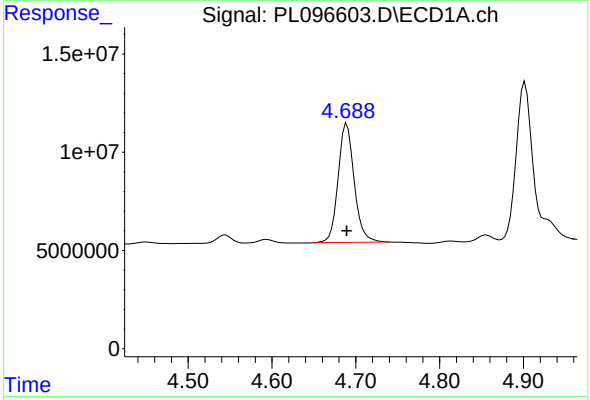
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 154680305
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



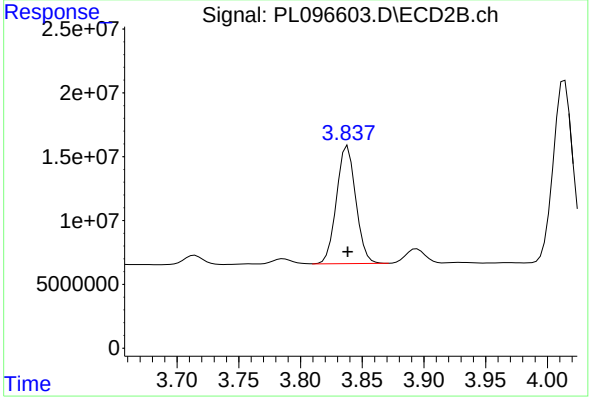
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 305382843
Conc: 50.00 ng/ml



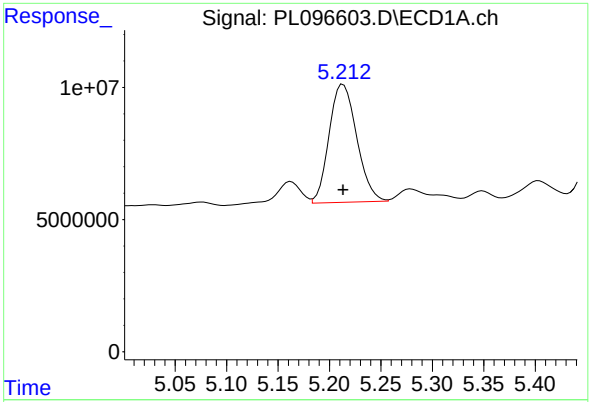
#23 Chlordane-1

R.T.: 4.689 min
Delta R.T.: 0.000 min
Response: 80999277
Conc: 500.00 ng/ml



#23 Chlordane-1

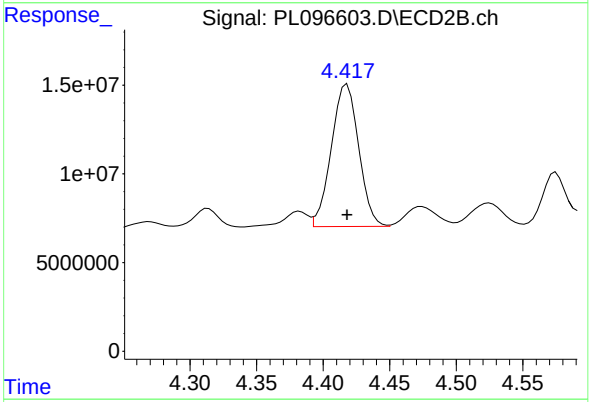
R.T.: 3.838 min
Delta R.T.: 0.000 min
Response: 100066760
Conc: 500.00 ng/ml



#24 Chlordane-2

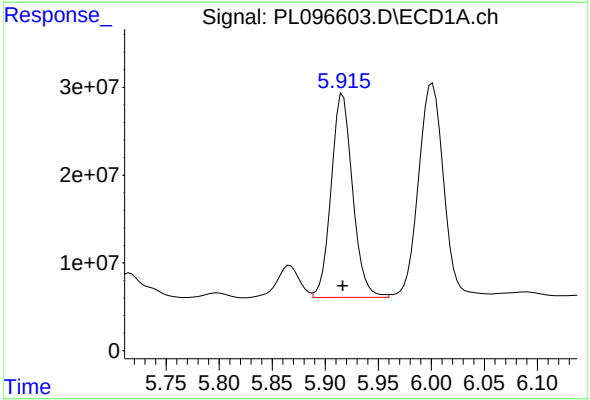
R.T.: 5.213 min
Delta R.T.: 0.000 min
Response: 83409909
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



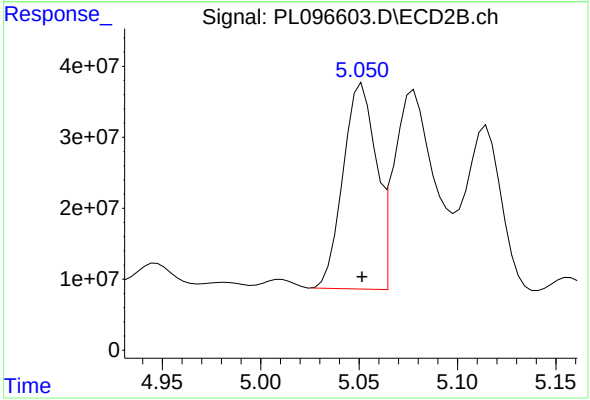
#24 Chlordane-2

R.T.: 4.418 min
Delta R.T.: 0.000 min
Response: 115003204
Conc: 500.00 ng/ml



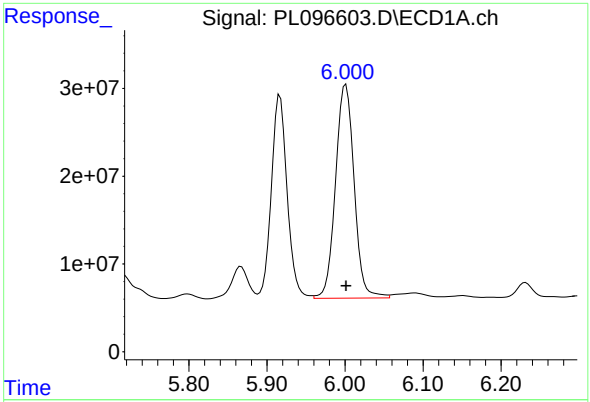
#25 Chlordane-3

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 326513783
Conc: 500.00 ng/ml



#25 Chlordane-3

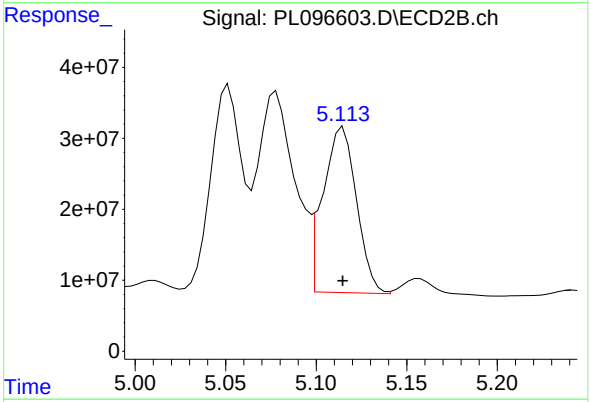
R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 336093734
Conc: 500.00 ng/ml



#26 Chlordane-4

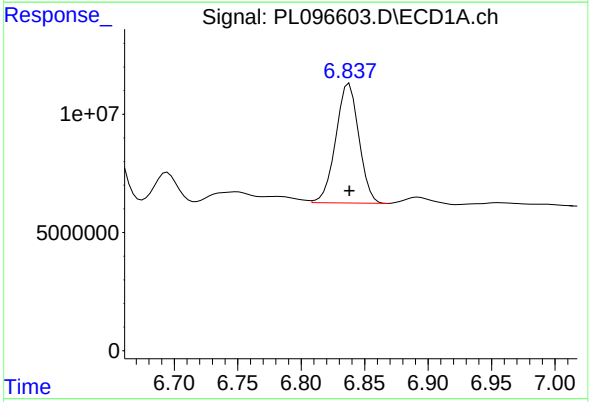
R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 403531433
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



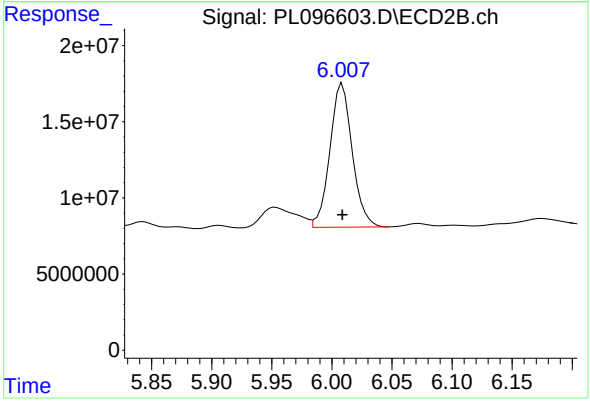
#26 Chlordane-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300621016
Conc: 500.00 ng/ml



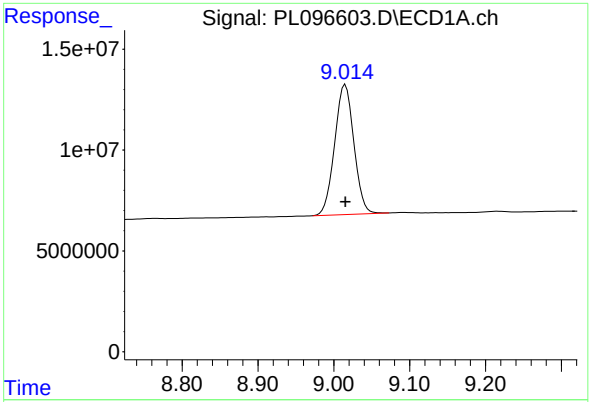
#27 Chlordane-5

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 63996555
Conc: 500.00 ng/ml



#27 Chlordane-5

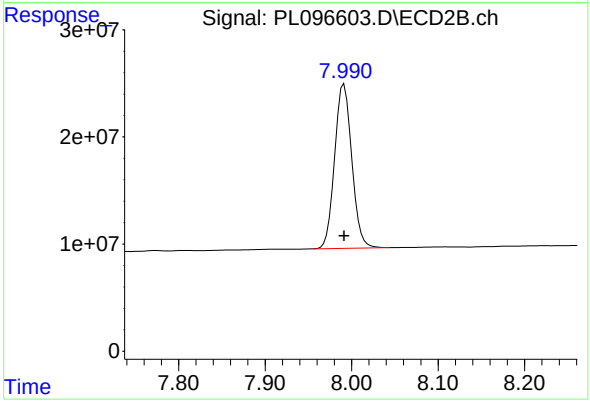
R.T.: 6.009 min
Delta R.T.: 0.000 min
Response: 122398851
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 113631254
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: 0.000 min
Response: 210412831
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 19:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:35:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:34:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.535	2.828	165.3E6	248.4E6	50.000	50.000
7) SA	Decachlor...	9.015	7.992	122.2E6	228.1E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.211	5.073	14576752	17023794	500.000	500.000
3)	Toxaphene-2	6.610	5.758	12222511	22039332	500.000	500.000
4)	Toxaphene-3	7.024	6.039	55136340	22316397	500.000	500.000
5)	Toxaphene-4	7.114	6.673	40523177	73531411	500.000	500.000
6)	Toxaphene-5	7.892	7.114	28936559	46003063	500.000	500.000

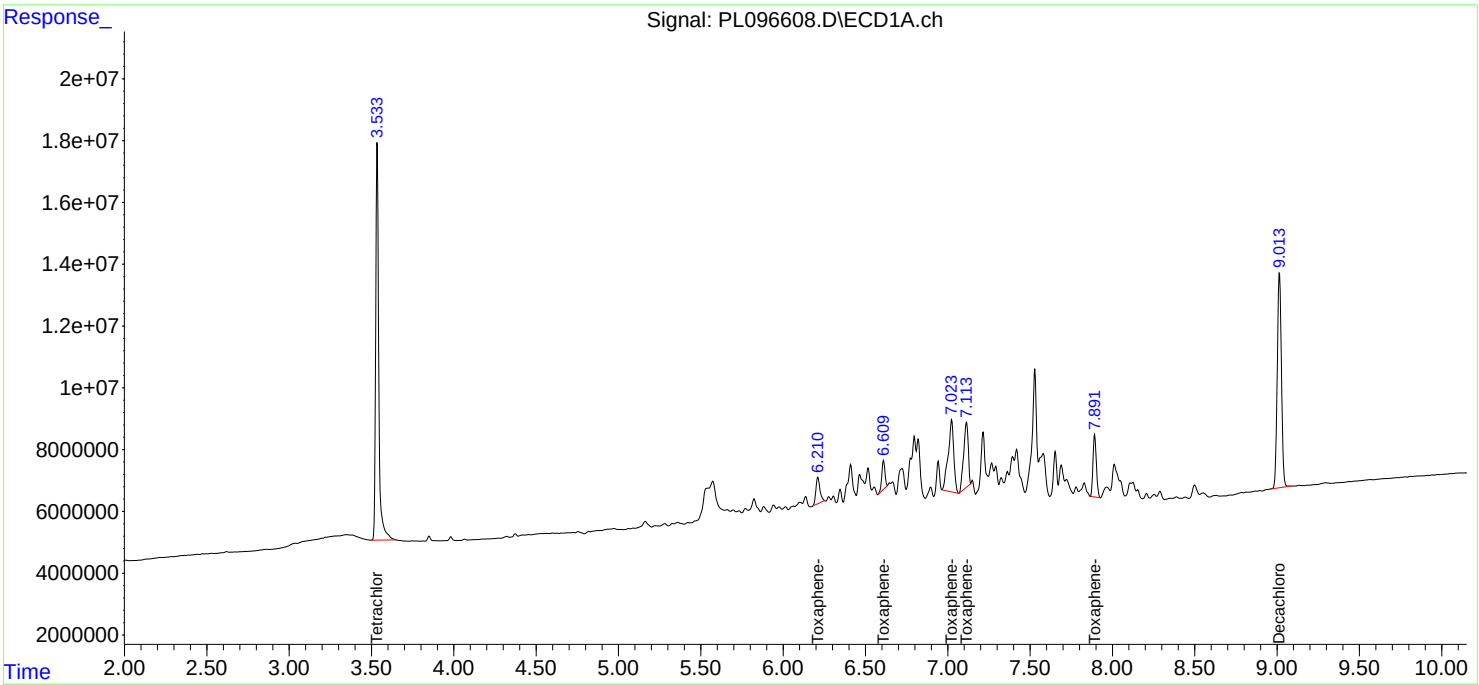
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

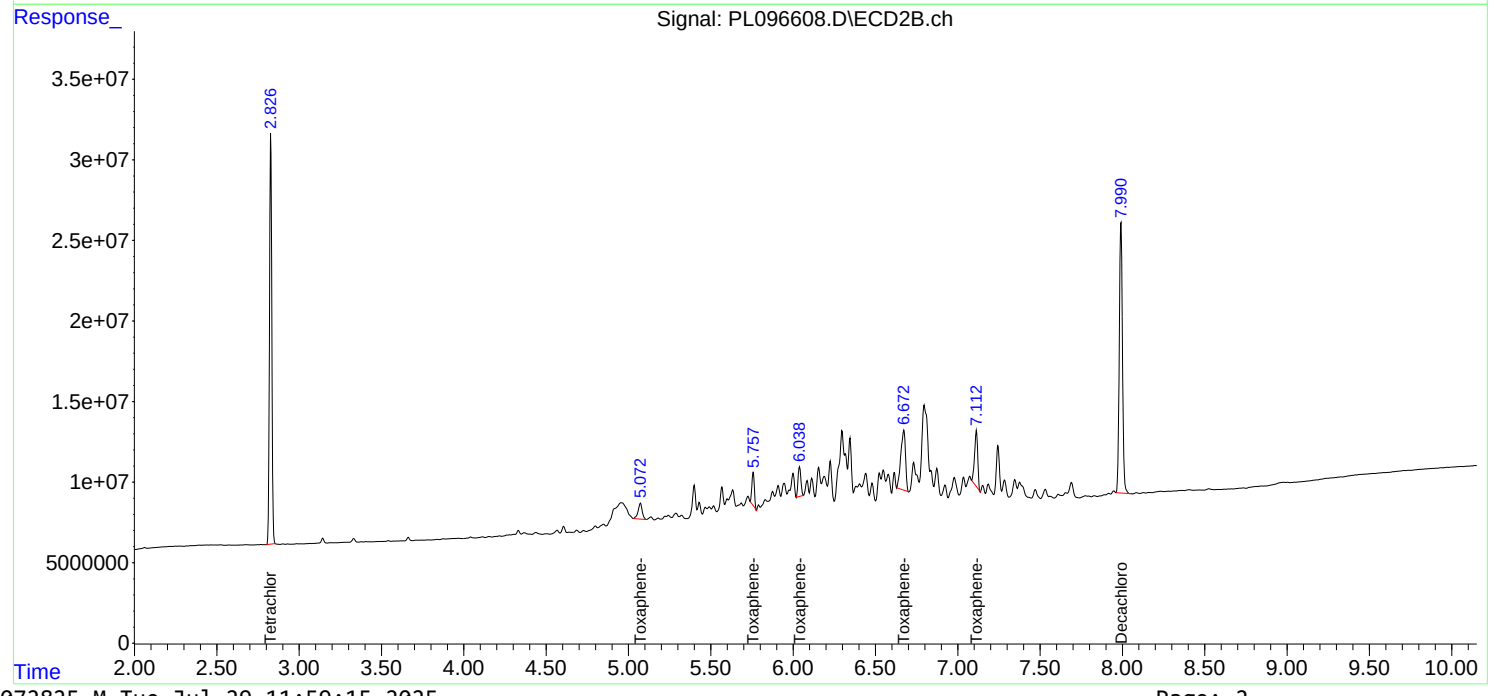
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 19:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

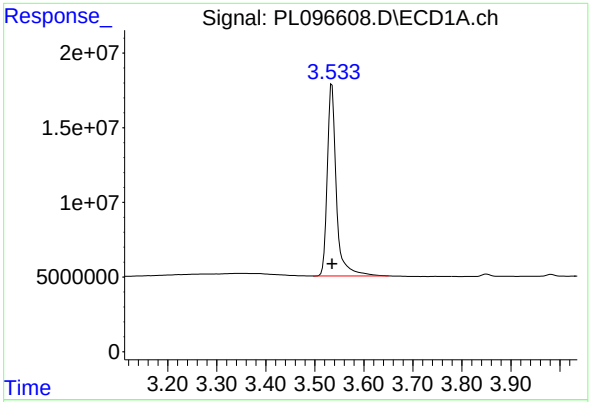
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:35:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:34:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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



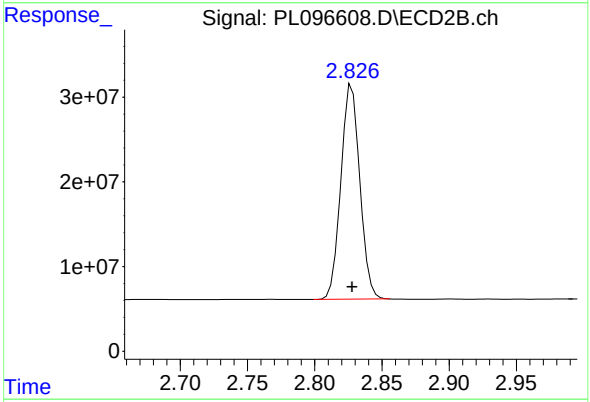




#1 Tetrachloro-m-xylene

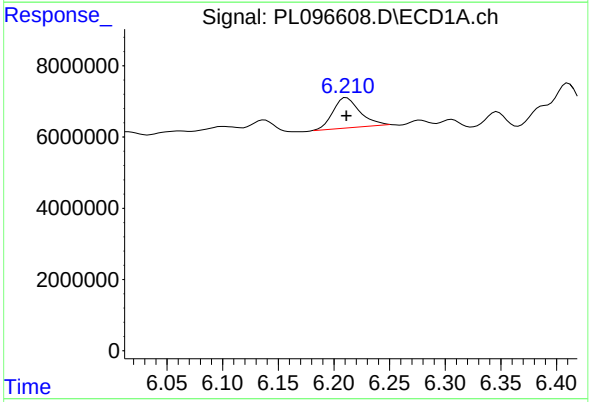
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 165314687
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



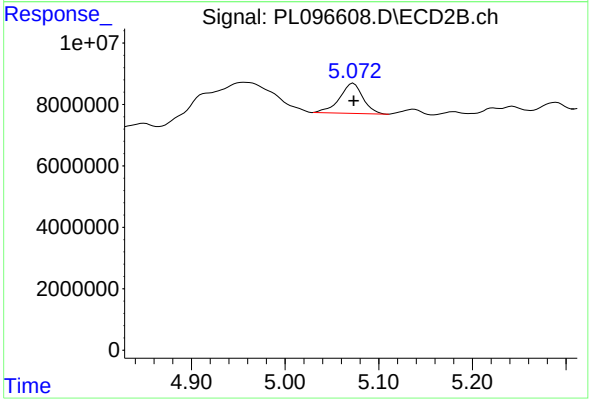
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 248396246
Conc: 50.00 ng/ml



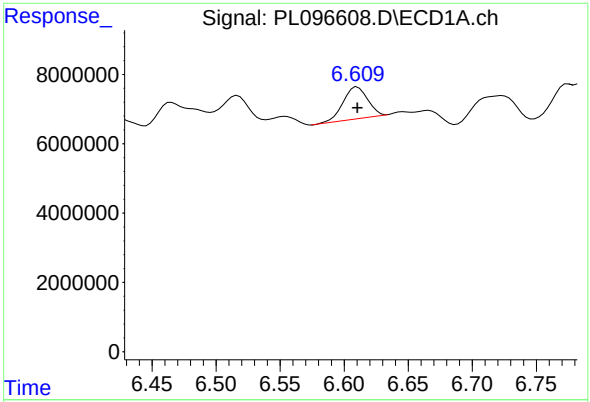
#2 Toxaphene-1

R.T.: 6.211 min
Delta R.T.: 0.000 min
Response: 14576752
Conc: 500.00 ng/ml



#2 Toxaphene-1

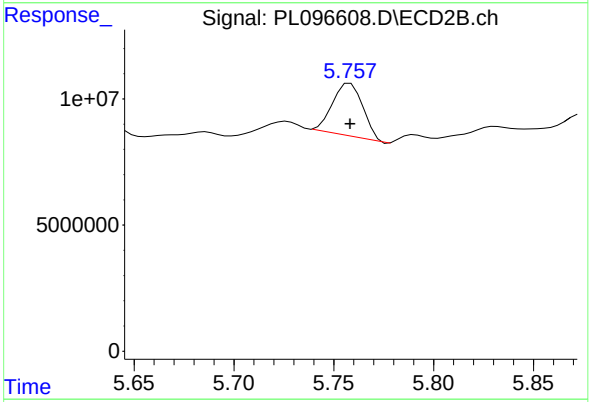
R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 17023794
Conc: 500.00 ng/ml



#3 Toxaphene-2

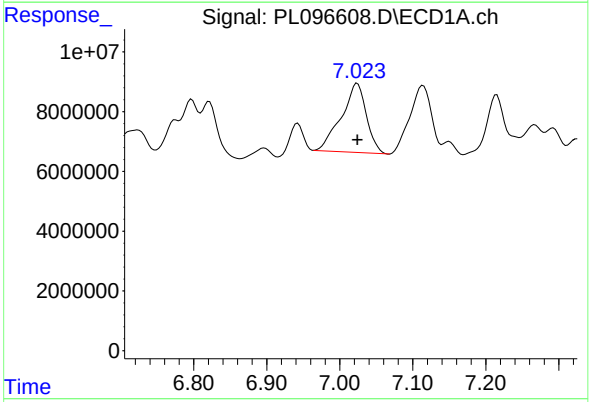
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 12222511
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



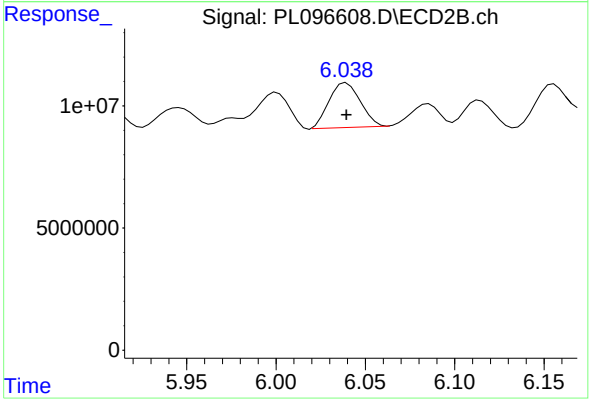
#3 Toxaphene-2

R.T.: 5.758 min
Delta R.T.: 0.000 min
Response: 22039332
Conc: 500.00 ng/ml



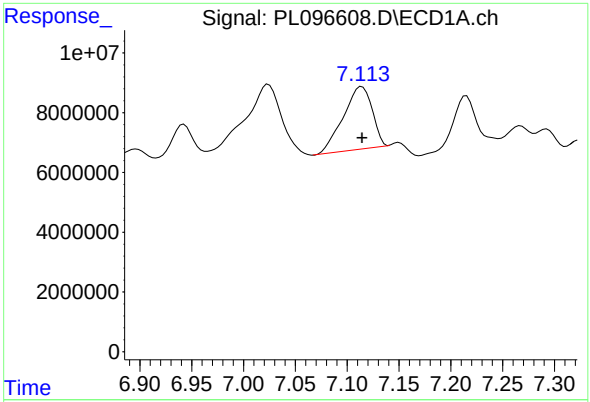
#4 Toxaphene-3

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 55136340
Conc: 500.00 ng/ml



#4 Toxaphene-3

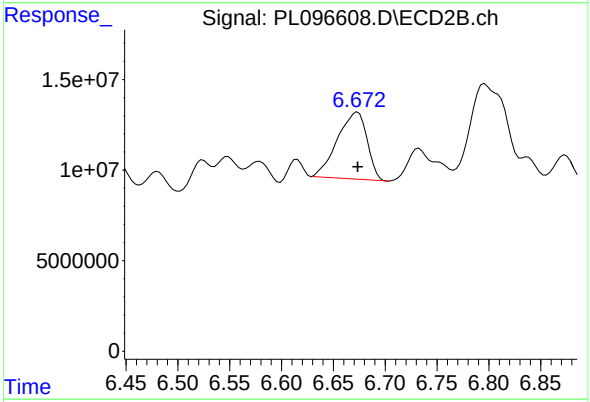
R.T.: 6.039 min
Delta R.T.: 0.000 min
Response: 22316397
Conc: 500.00 ng/ml



#5 Toxaphene-4

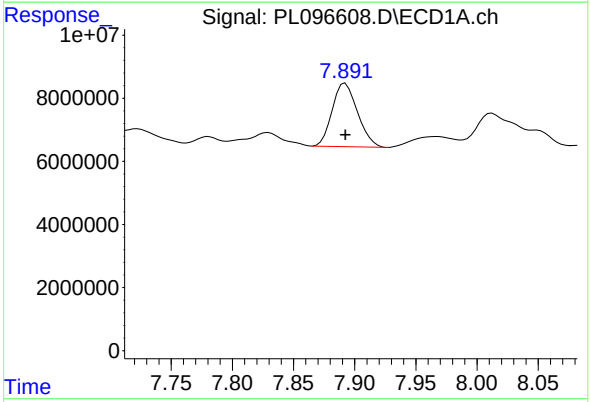
R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 40523177
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



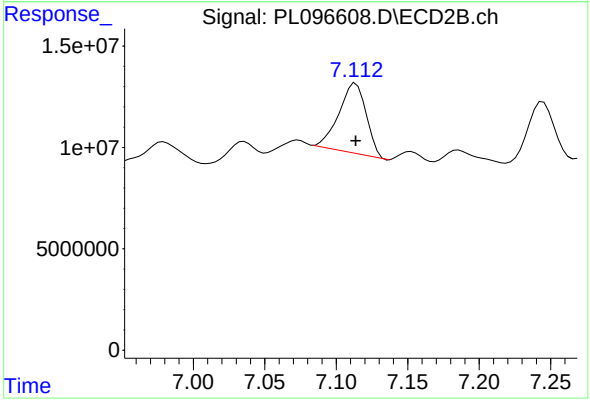
#5 Toxaphene-4

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 73531411
Conc: 500.00 ng/ml



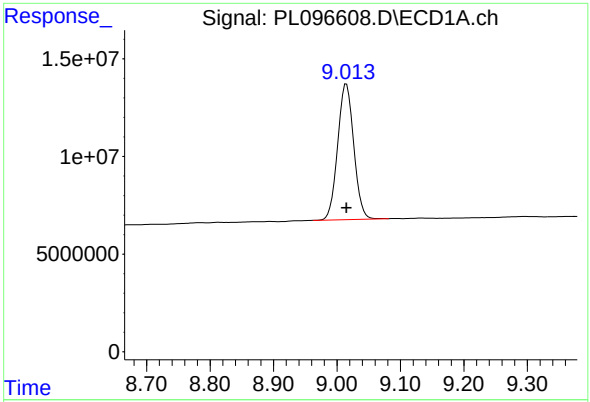
#6 Toxaphene-5

R.T.: 7.892 min
Delta R.T.: 0.000 min
Response: 28936559
Conc: 500.00 ng/ml



#6 Toxaphene-5

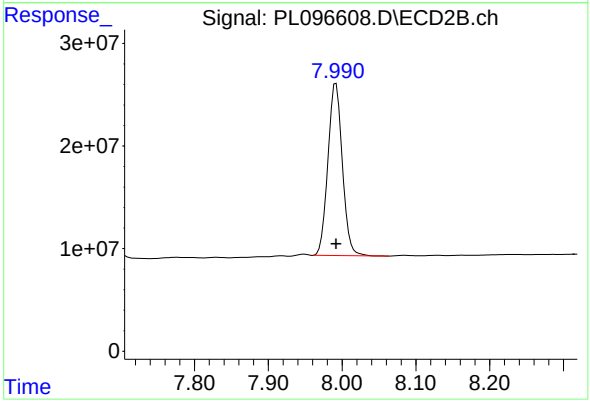
R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 46003063
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 122190524
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 228076815
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:47:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:20:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	161.0E6	247.3E6	50.630	51.756
28)	SA Decachlor...	9.015	7.992	117.1E6	221.9E6	49.100	51.159
	Target Compounds						
2)	A alpha-BHC	3.983	3.334	237.2E6	373.0E6	51.282	52.705
3)	MA gamma-BHC...	4.311	3.666	223.6E6	346.0E6	50.545	52.400
4)	MA Heptachlor	4.903	4.014	211.3E6	346.4E6	50.843	51.992
5)	MB Aldrin	5.243	4.297	215.6E6	324.1E6	50.122	52.220
6)	B beta-BHC	4.497	3.961	91859349	145.4E6	50.893	51.555
7)	B delta-BHC	4.742	4.195	202.5E6	338.7E6	50.758m	52.325
8)	B Heptachlo...	5.662	4.799	194.2E6	295.6E6	50.346	51.754
9)	A Endosulfan I	6.044	5.170	178.4E6	277.2E6	49.613	50.116
10)	B gamma-Chl...	5.916	5.051	193.4E6	305.7E6	50.837	51.997
11)	B alpha-Chl...	5.996	5.115	191.7E6	300.1E6	49.735	50.869
12)	B 4,4'-DDE	6.166	5.304	158.1E6	286.3E6	49.223	51.924
13)	MA Dieldrin	6.316	5.435	186.8E6	306.3E6	50.341	51.858
14)	MA Endrin	6.543	5.709	147.3E6	272.8E6	48.674	50.462
15)	B Endosulfa...	6.755	6.001	158.8E6	265.2E6	49.582	51.632
16)	A 4,4'-DDD	6.675	5.856	126.9E6	242.0E6	50.209	51.423
17)	MA 4,4'-DDT	6.989	6.109	144.5E6	261.7E6	50.400	51.730
18)	B Endrin al...	6.883	6.179	108.5E6	197.4E6	50.570	53.386
19)	B Endosulfa...	7.117	6.402	143.9E6	262.8E6	50.068	51.670
20)	A Methoxychlor	7.462	6.681	74330342	140.5E6	50.622	51.276
21)	B Endrin ke...	7.597	6.907	153.3E6	289.7E6	50.977	52.006
22)	Mirex	8.076	7.097	123.5E6	221.2E6	49.793	50.730

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

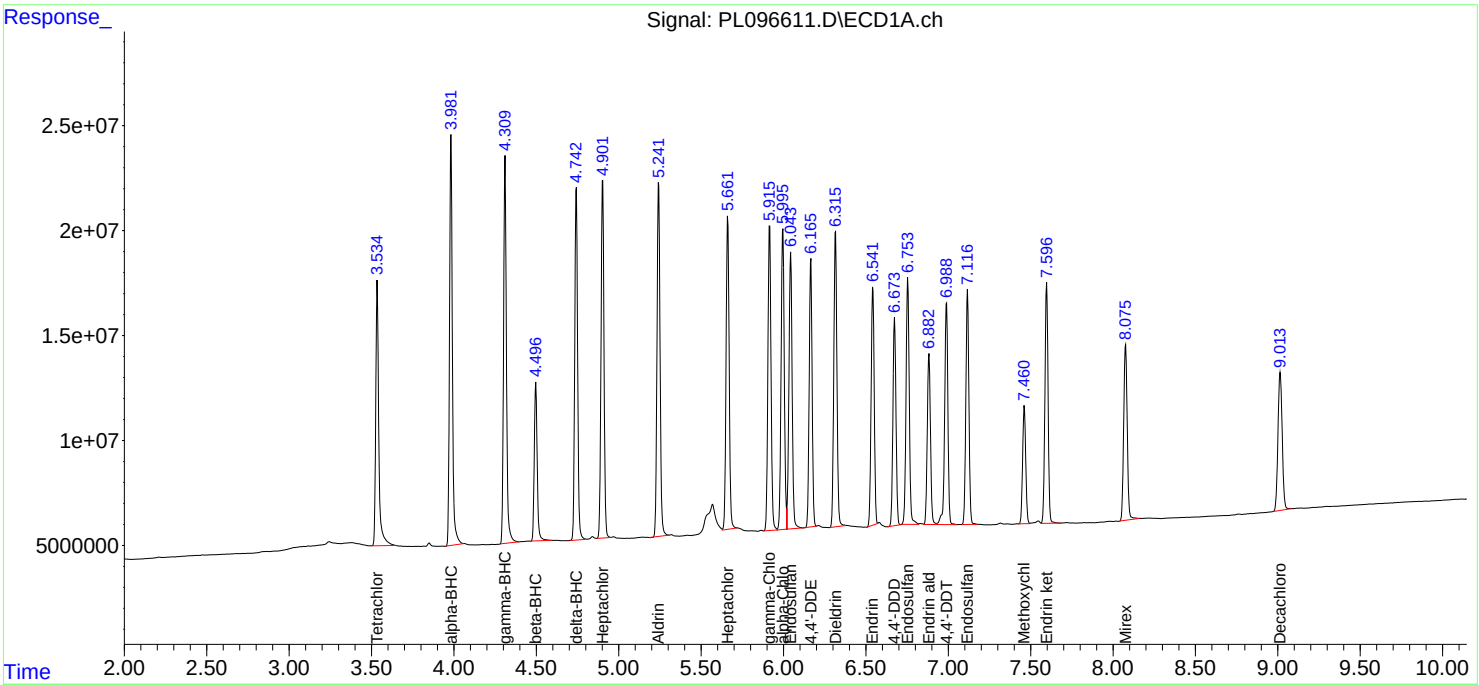
Instrument :
ECD_L
ClientSampleId :
ICVPL072825

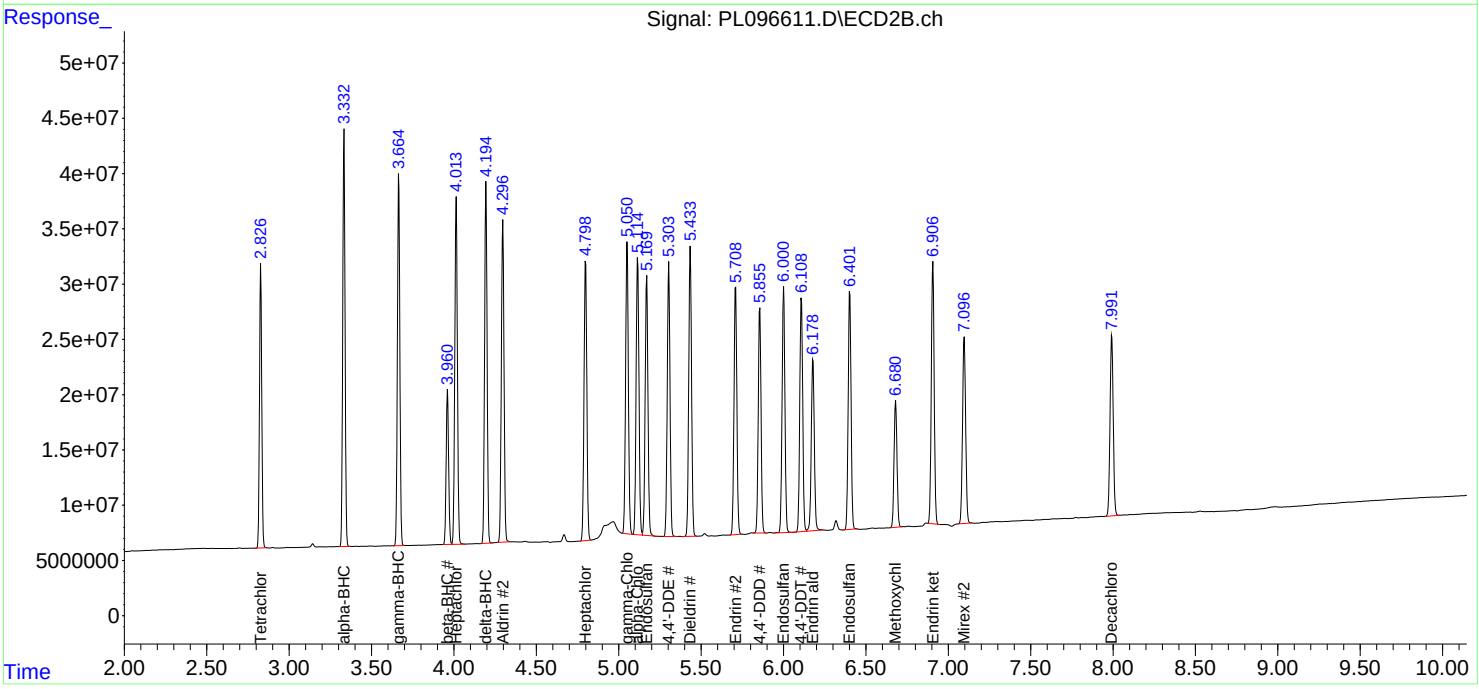
Manual Integrations APPROVED

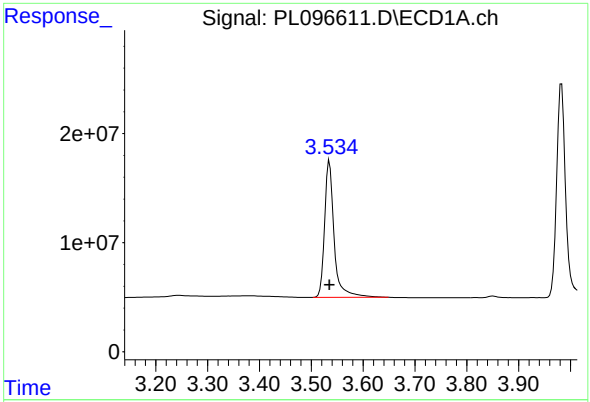
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:47:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:20:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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







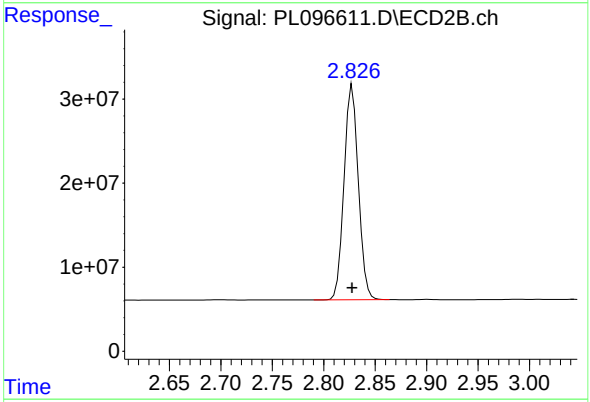
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 161043183
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

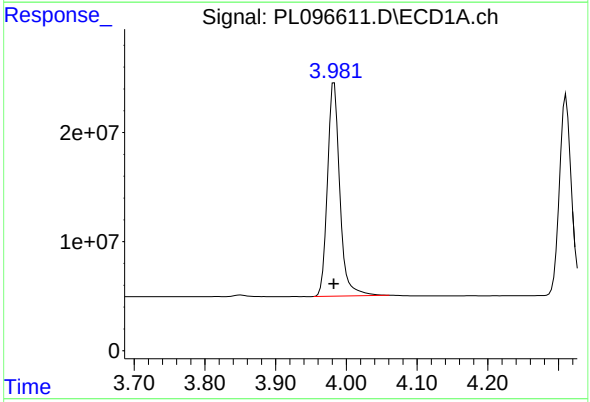
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



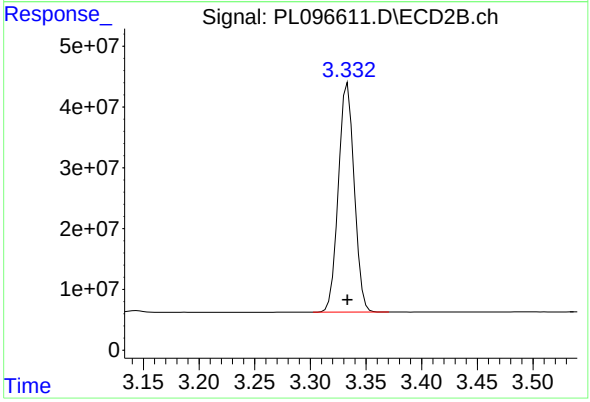
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 247278851
Conc: 51.76 ng/ml



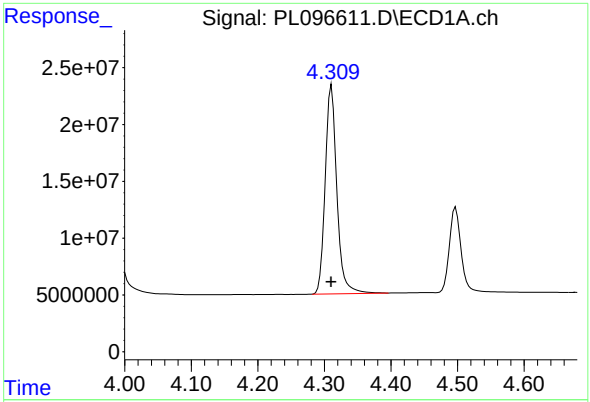
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 237249143
Conc: 51.28 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 372995453
Conc: 52.71 ng/ml



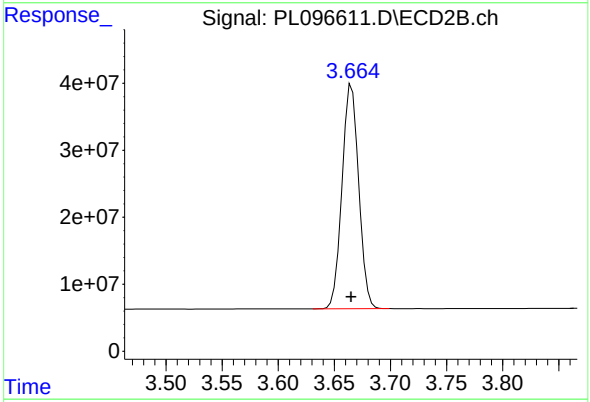
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 223584100
Conc: 50.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

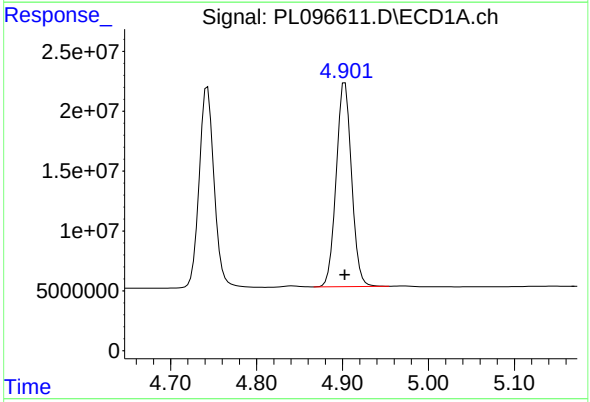
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



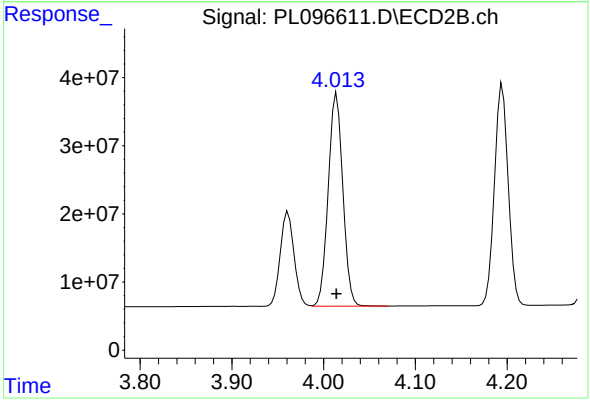
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 346014885
Conc: 52.40 ng/ml



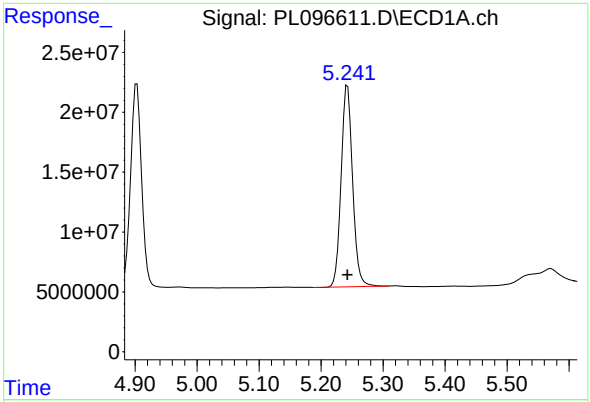
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 211285693
Conc: 50.84 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 346369326
Conc: 51.99 ng/ml



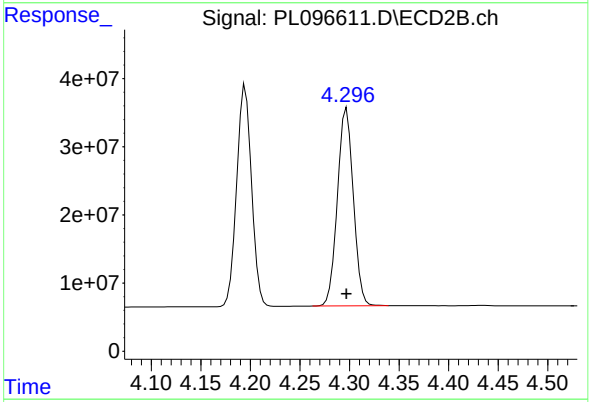
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 215573068
Conc: 50.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

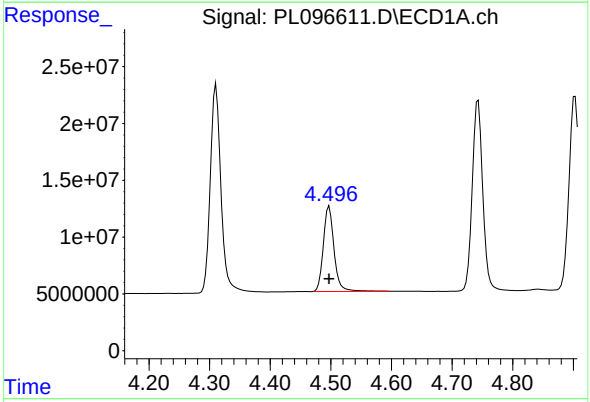
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



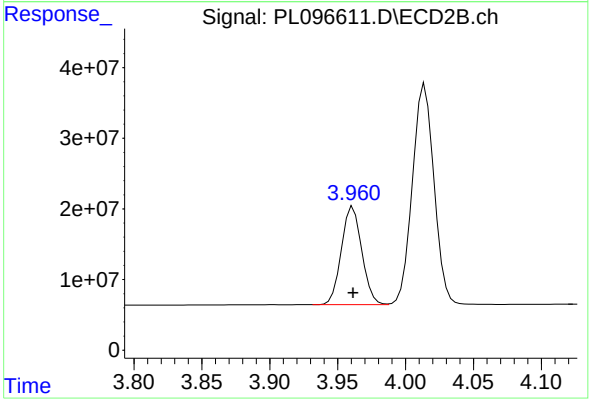
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 324132499
Conc: 52.22 ng/ml



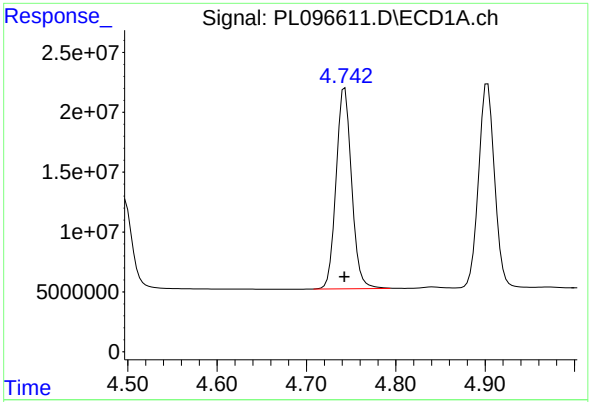
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 91859349
Conc: 50.89 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 145431130
Conc: 51.55 ng/ml



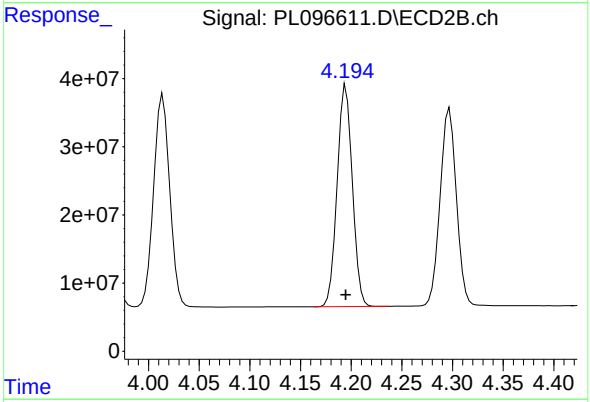
#7 delta-BHC

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 202516027
Conc: 50.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

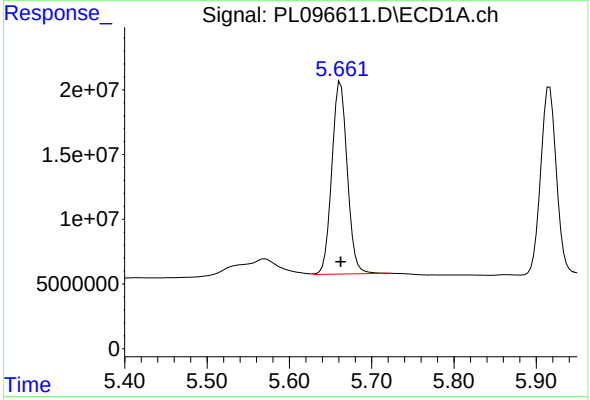
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



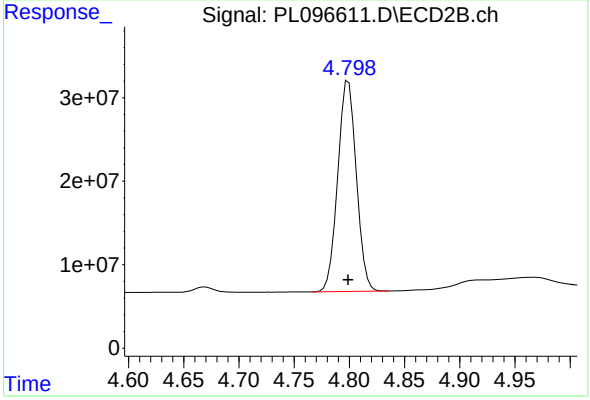
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 338731728
Conc: 52.32 ng/ml



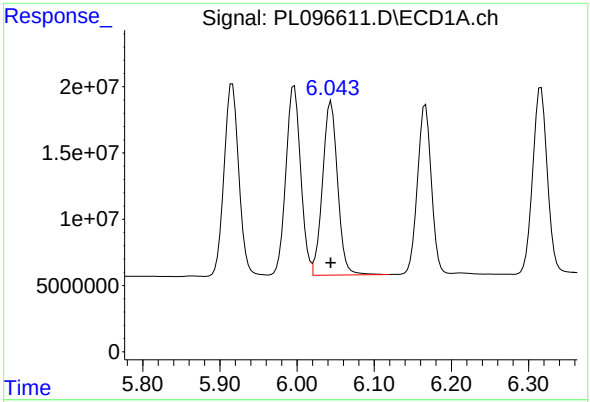
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 194162959
Conc: 50.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 295584103
Conc: 51.75 ng/ml



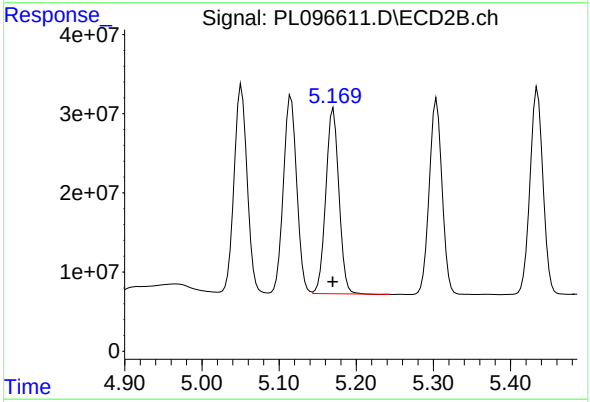
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 178427332
Conc: 49.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

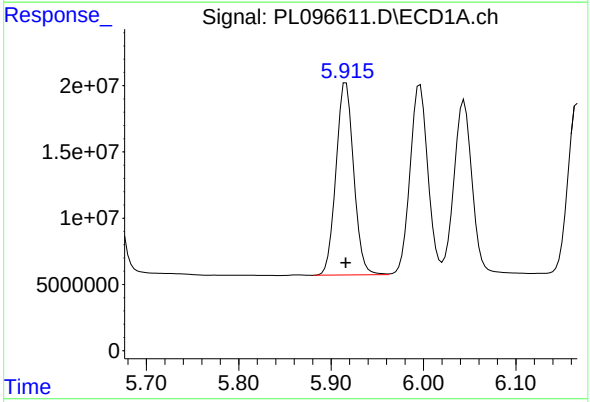
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



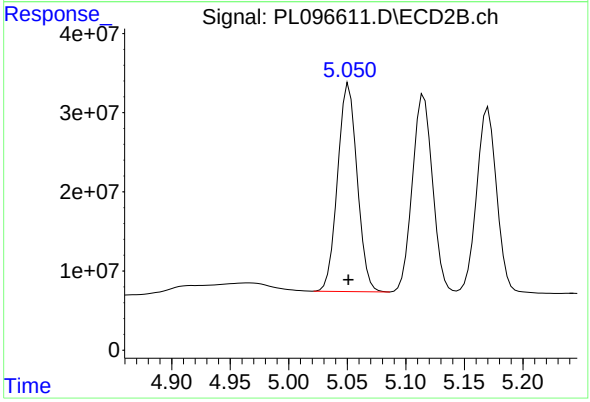
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 277213283
Conc: 50.12 ng/ml



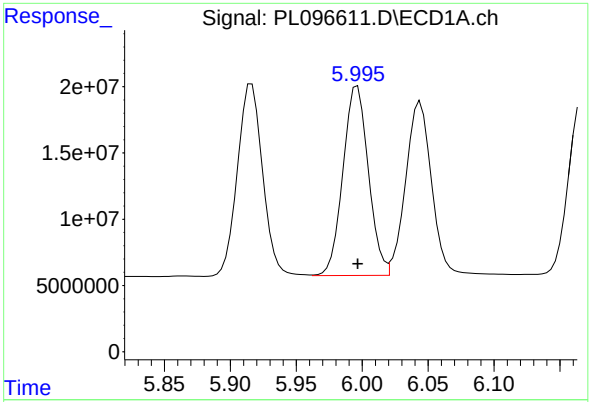
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 193445906
Conc: 50.84 ng/ml



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 305748780
Conc: 52.00 ng/ml



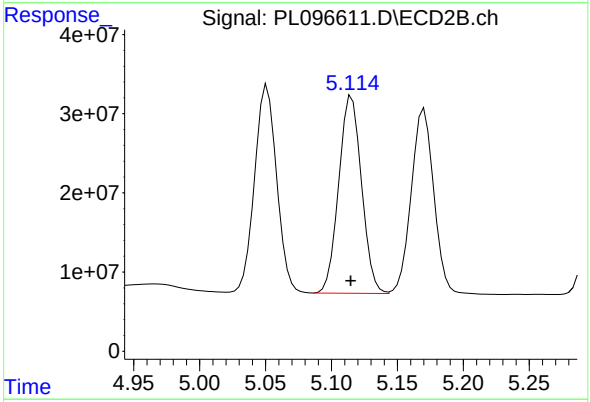
#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 191709507
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

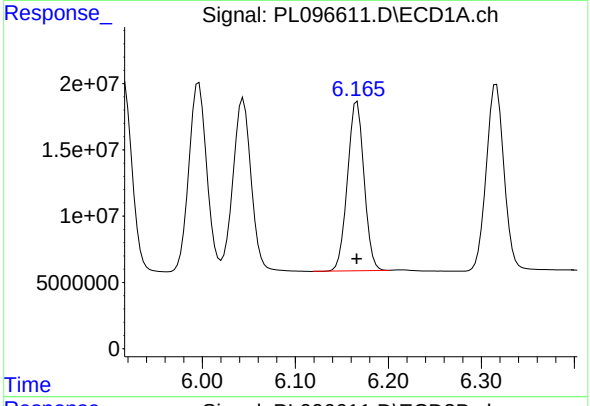
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



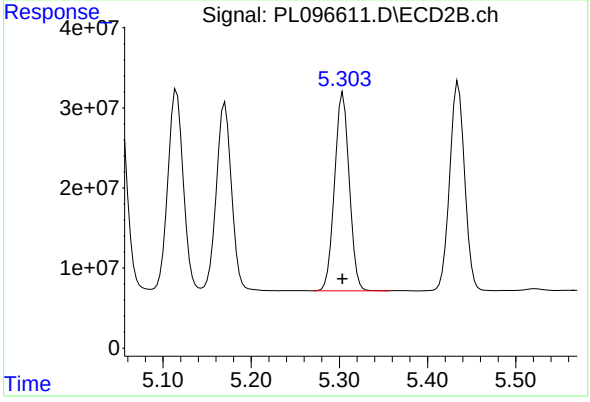
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300071767
Conc: 50.87 ng/ml



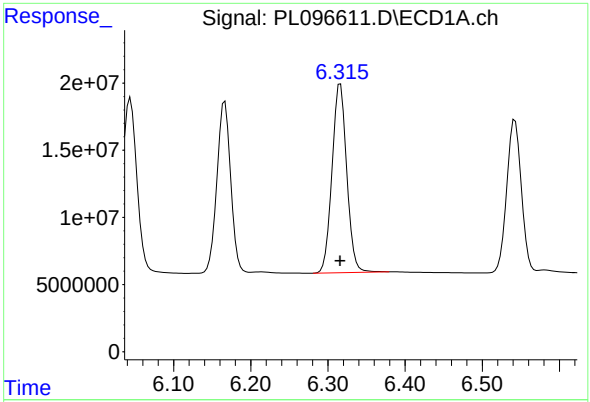
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 158068181
Conc: 49.22 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 286332408
Conc: 51.92 ng/ml



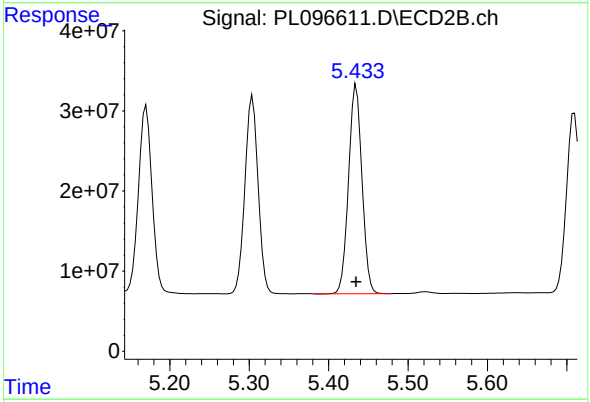
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 186821697
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

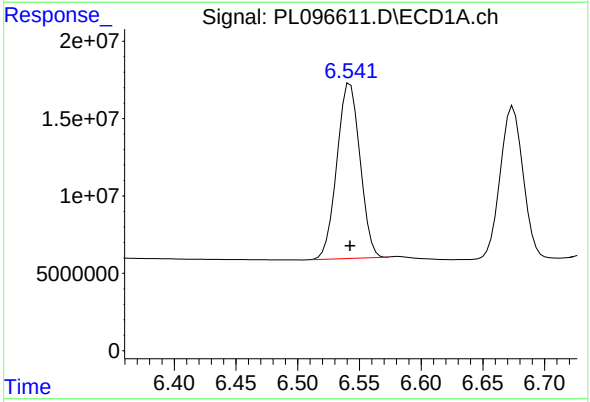
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



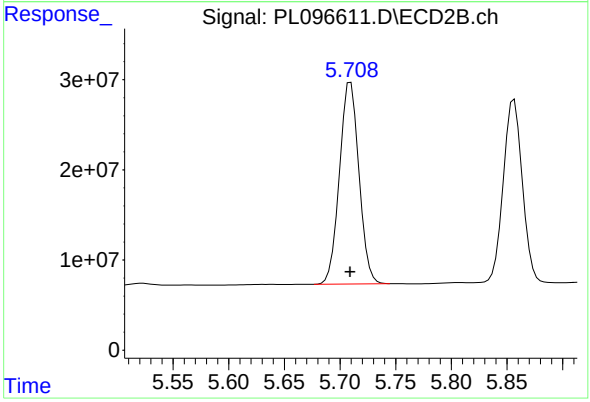
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 306303510
Conc: 51.86 ng/ml



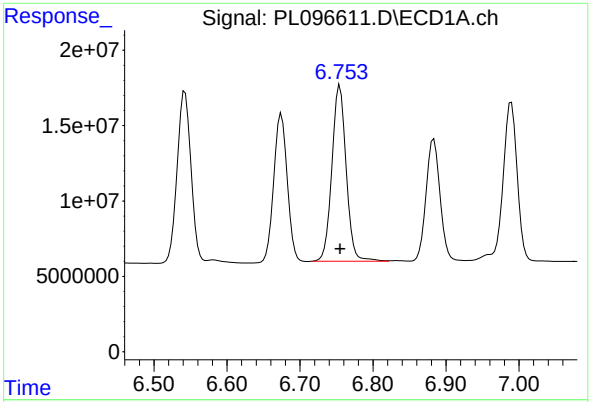
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 147327440
Conc: 48.67 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 272795312
Conc: 50.46 ng/ml



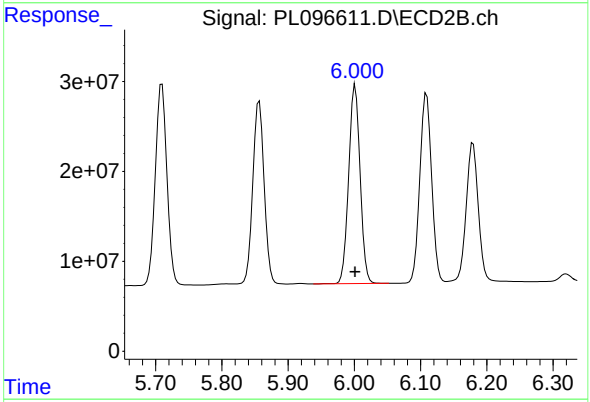
#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 158792104
Conc: 49.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

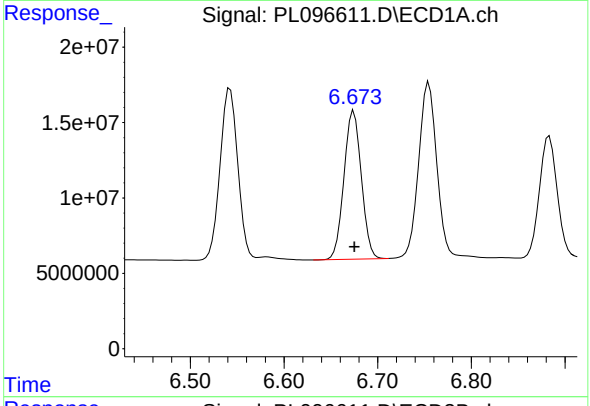
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



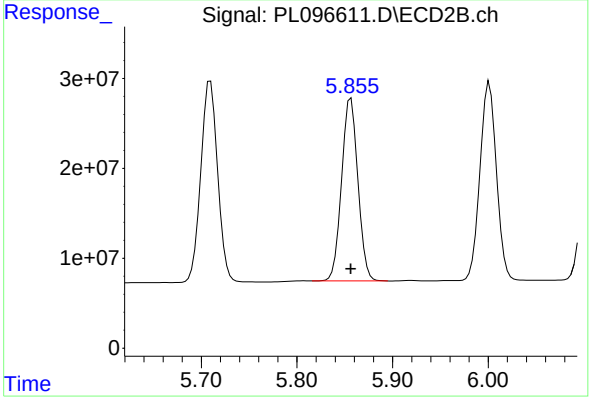
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 265195055
Conc: 51.63 ng/ml



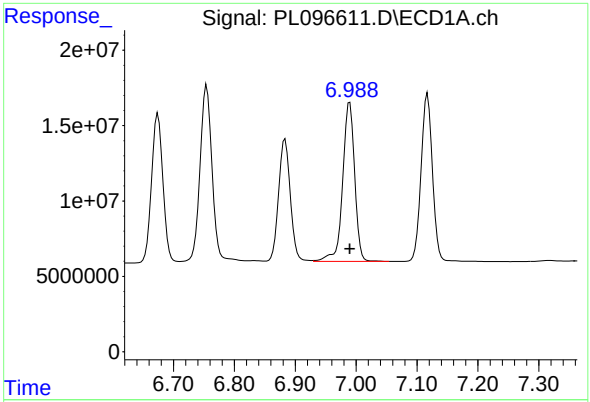
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 126947170
Conc: 50.21 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 241958902
Conc: 51.42 ng/ml



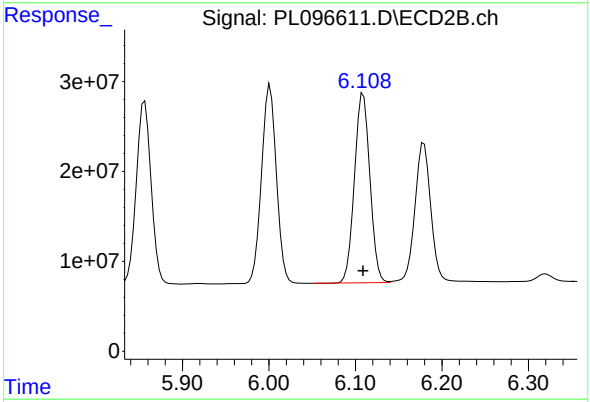
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 144531756
Conc: 50.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

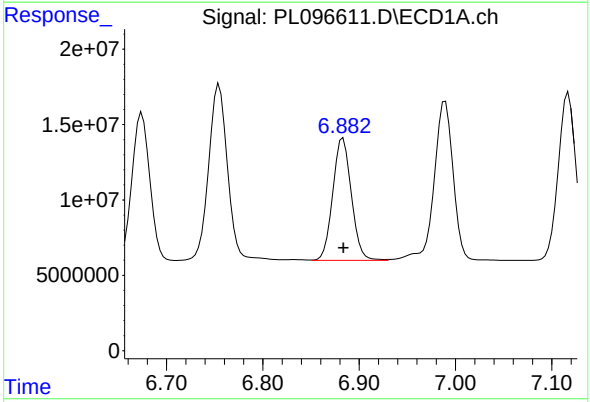
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



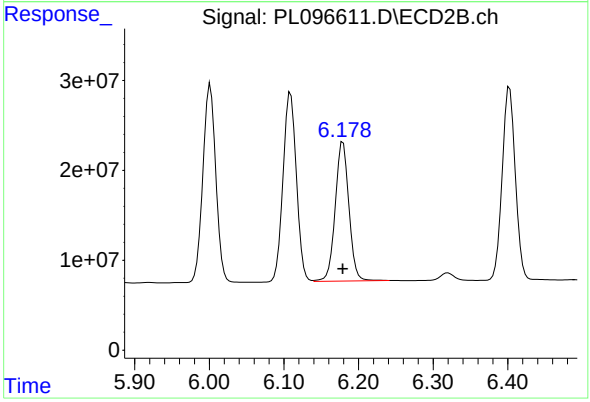
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 261665047
Conc: 51.73 ng/ml



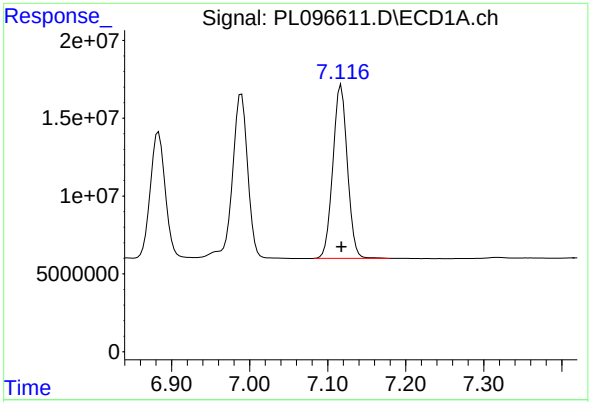
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 108518783
Conc: 50.57 ng/ml



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 197425966
Conc: 53.39 ng/ml



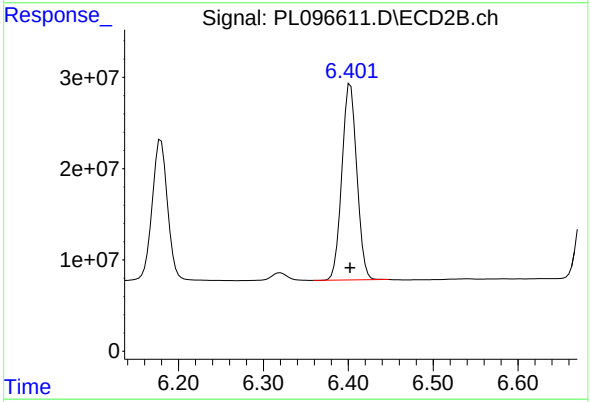
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 143881166
Conc: 50.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

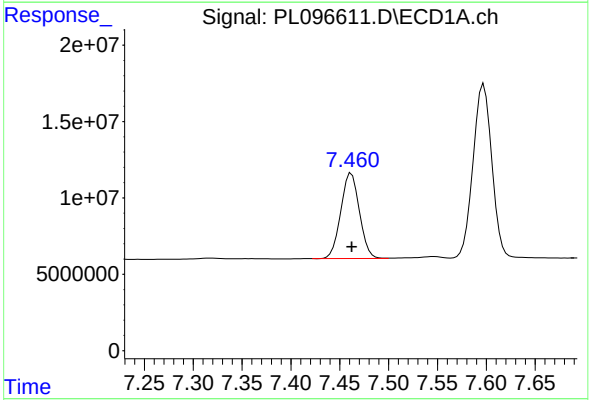
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



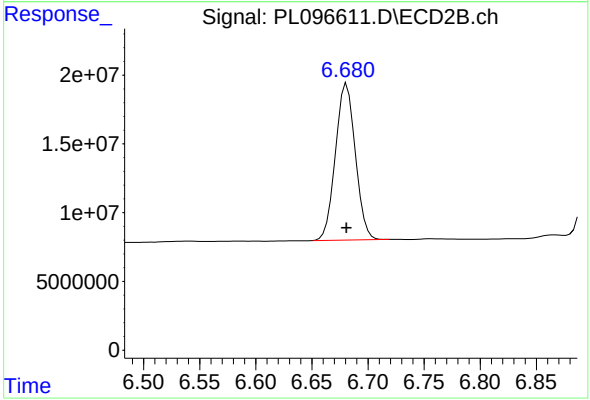
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 262804486
Conc: 51.67 ng/ml



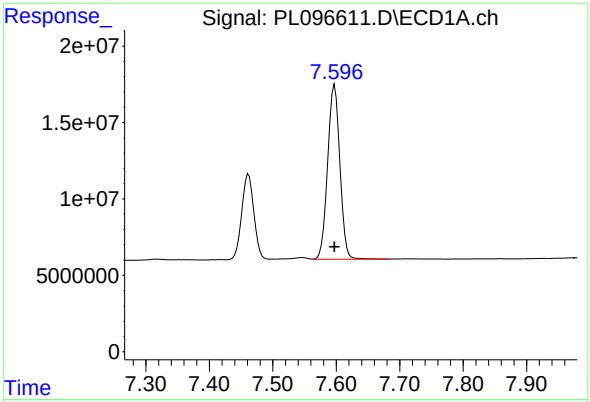
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 74330342
Conc: 50.62 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 140523051
Conc: 51.28 ng/ml



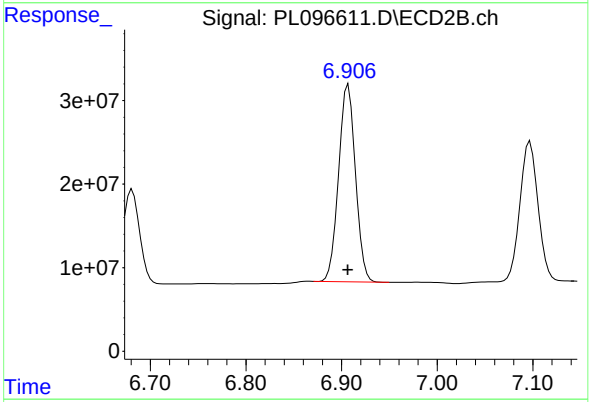
#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 153274359
Conc: 50.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

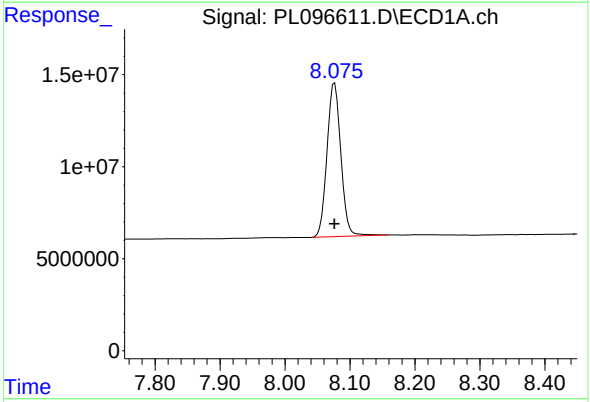
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



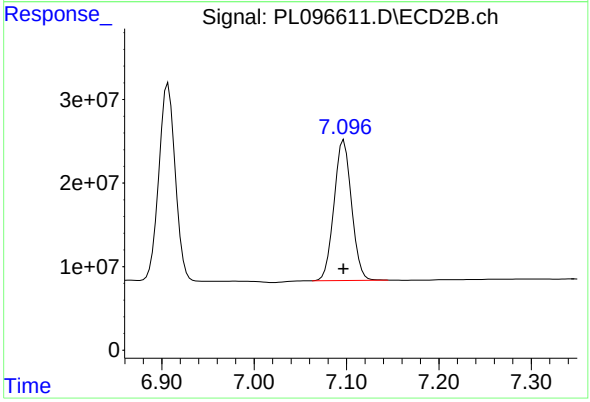
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 289661773
Conc: 52.01 ng/ml



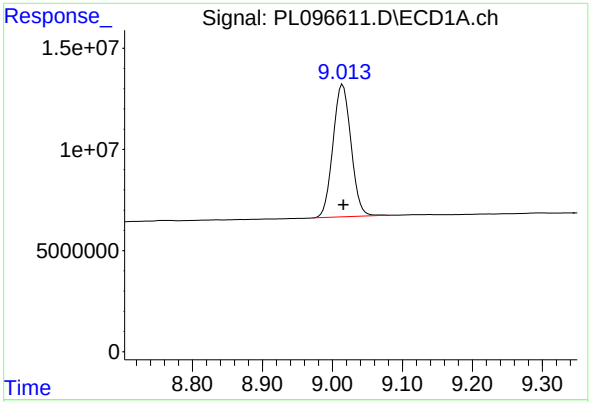
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 123454153
Conc: 49.79 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 221225472
Conc: 50.73 ng/ml



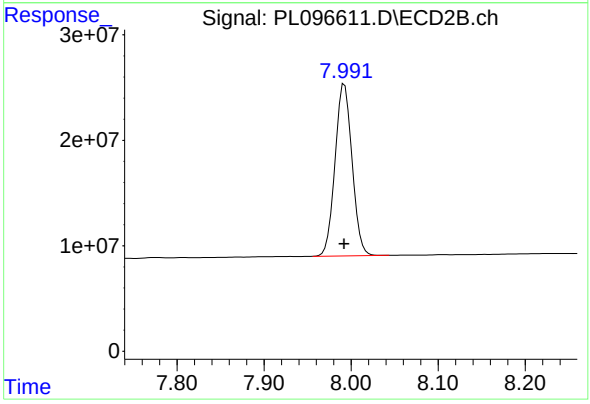
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.001 min
Response: 117087022
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 221944303
Conc: 51.16 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/06/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 17:14 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.07	8.97	9.17	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	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	0.00
Heptachlor	4.92	4.93	4.83	5.03	0.01
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.03	5.93	6.13	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/06/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 17:14 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.79	5.69	5.89	0.01
Endosulfan II	6.07	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.99	6.89	7.09	0.01
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089774.D **Time Analyzed:** 17:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.604	6.804	51.810	50.000	3.6
4,4'-DDE	6.190	6.094	6.294	50.020	50.000	0.0
4,4'-DDT	7.015	6.919	7.119	47.340	50.000	-5.3
Aldrin	5.266	5.169	5.369	51.520	50.000	3.0
alpha-BHC	3.996	3.897	4.097	52.850	50.000	5.7
alpha-Chlordane	6.021	5.925	6.125	49.980	50.000	0.0
beta-BHC	4.512	4.414	4.614	51.570	50.000	3.1
Decachlorobiphenyl	9.063	8.971	9.171	48.580	50.000	-2.8
delta-BHC	4.760	4.663	4.863	52.680	50.000	5.4
Dieldrin	6.341	6.245	6.445	49.770	50.000	-0.5
Endosulfan I	6.069	5.972	6.172	49.820	50.000	-0.4
Endosulfan II	6.781	6.684	6.884	49.110	50.000	-1.8
Endosulfan sulfate	7.144	7.048	7.248	47.740	50.000	-4.5
Endrin	6.569	6.472	6.672	47.420	50.000	-5.2
Endrin aldehyde	6.909	6.813	7.013	52.130	50.000	4.3
Endrin ketone	7.624	7.529	7.729	48.530	50.000	-2.9
gamma-BHC (Lindane)	4.326	4.228	4.428	52.410	50.000	4.8
gamma-Chlordane	5.940	5.844	6.044	50.480	50.000	1.0
Heptachlor	4.924	4.827	5.027	50.290	50.000	0.6
Heptachlor epoxide	5.685	5.589	5.789	50.810	50.000	1.6
Methoxychlor	7.488	7.392	7.592	45.440	50.000	-9.1
Tetrachloro-m-xylene	3.546	3.448	3.648	51.230	50.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089774.D **Time Analyzed:** 17:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.825	6.025	58.100	50.000	16.2
4,4'-DDE	5.369	5.271	5.471	58.300	50.000	16.6
4,4'-DDT	6.176	6.079	6.279	57.950	50.000	15.9
Aldrin	4.363	4.265	4.465	58.370	50.000	16.7
alpha-BHC	3.389	3.290	3.490	58.450	50.000	16.9
alpha-Chlordane	5.184	5.086	5.286	58.210	50.000	16.4
beta-BHC	4.021	3.922	4.122	57.810	50.000	15.6
Decachlorobiphenyl	8.063	7.968	8.168	54.920	50.000	9.8
delta-BHC	4.257	4.159	4.359	58.570	50.000	17.1
Dieldrin	5.506	5.409	5.609	58.100	50.000	16.2
Endosulfan I	5.241	5.143	5.343	55.070	50.000	10.1
Endosulfan II	6.074	5.977	6.177	57.610	50.000	15.2
Endosulfan sulfate	6.476	6.378	6.578	56.230	50.000	12.5
Endrin	5.783	5.685	5.885	55.340	50.000	10.7
Endrin aldehyde	6.252	6.155	6.355	61.620	50.000	23.2
Endrin ketone	6.984	6.888	7.088	57.380	50.000	14.8
gamma-BHC (Lindane)	3.725	3.626	3.826	58.560	50.000	17.1
gamma-Chlordane	5.120	5.022	5.222	58.360	50.000	16.7
Heptachlor	4.077	3.979	4.179	56.920	50.000	13.8
Heptachlor epoxide	4.867	4.769	4.969	57.630	50.000	15.3
Methoxychlor	6.747	6.650	6.850	55.860	50.000	11.7
Tetrachloro-m-xylene	2.877	2.778	2.978	57.700	50.000	15.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089774.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 17:14
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: Aug 07 03:07:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial 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...	3.546	2.877	126.4E6	913.8E6	51.230	57.697
28)	SA Decachlor...	9.063	8.063	180.5E6	1102.6E6	48.578	54.917
	Target Compounds						
2)	A alpha-BHC	3.996	3.389	261.8E6	1420.7E6	52.848	58.454
3)	MA gamma-BHC...	4.326	3.725	249.1E6	1319.0E6	52.411	58.561
4)	MA Heptachlor	4.924	4.077	242.0E6	1321.1E6	50.292	56.923
5)	MB Aldrin	5.266	4.363	235.2E6	1298.9E6	51.518	58.374
6)	B beta-BHC	4.512	4.021	95130457	557.8E6	51.570	57.807
7)	B delta-BHC	4.760	4.257	241.6E6	1330.4E6	52.681	58.567
8)	B Heptachlo...	5.685	4.867	212.4E6	1184.3E6	50.808	57.631
9)	A Endosulfan I	6.069	5.241	197.5E6	1076.5E6	49.817	55.069
10)	B gamma-Chl...	5.940	5.120	211.0E6	1263.7E6	50.479	58.359
11)	B alpha-Chl...	6.021	5.184	210.1E6	1212.1E6	49.985	58.211
12)	B 4,4'-DDE	6.190	5.369	186.6E6	1232.3E6	50.021	58.302
13)	MA Dieldrin	6.341	5.506	210.2E6	1257.2E6	49.767	58.099
14)	MA Endrin	6.569	5.783	169.7E6	1102.7E6	47.425	55.344
15)	B Endosulfa...	6.781	6.074	180.2E6	1083.0E6	49.106	57.607
16)	A 4,4'-DDD	6.700	5.923	155.2E6	1024.5E6	51.811	58.100
17)	MA 4,4'-DDT	7.015	6.176	159.1E6	1064.6E6	47.339	57.945
18)	B Endrin al...	6.909	6.252	130.1E6	796.2E6	52.135	61.622
19)	B Endosulfa...	7.144	6.476	165.6E6	1043.9E6	47.737	56.230
20)	A Methoxychlor	7.488	6.747	81247739	547.2E6	45.441	55.859
21)	B Endrin ke...	7.624	6.984	180.3E6	1151.4E6	48.534	57.376
22)	Mirex	8.107	7.177	130.9E6	881.8E6	46.934	57.932

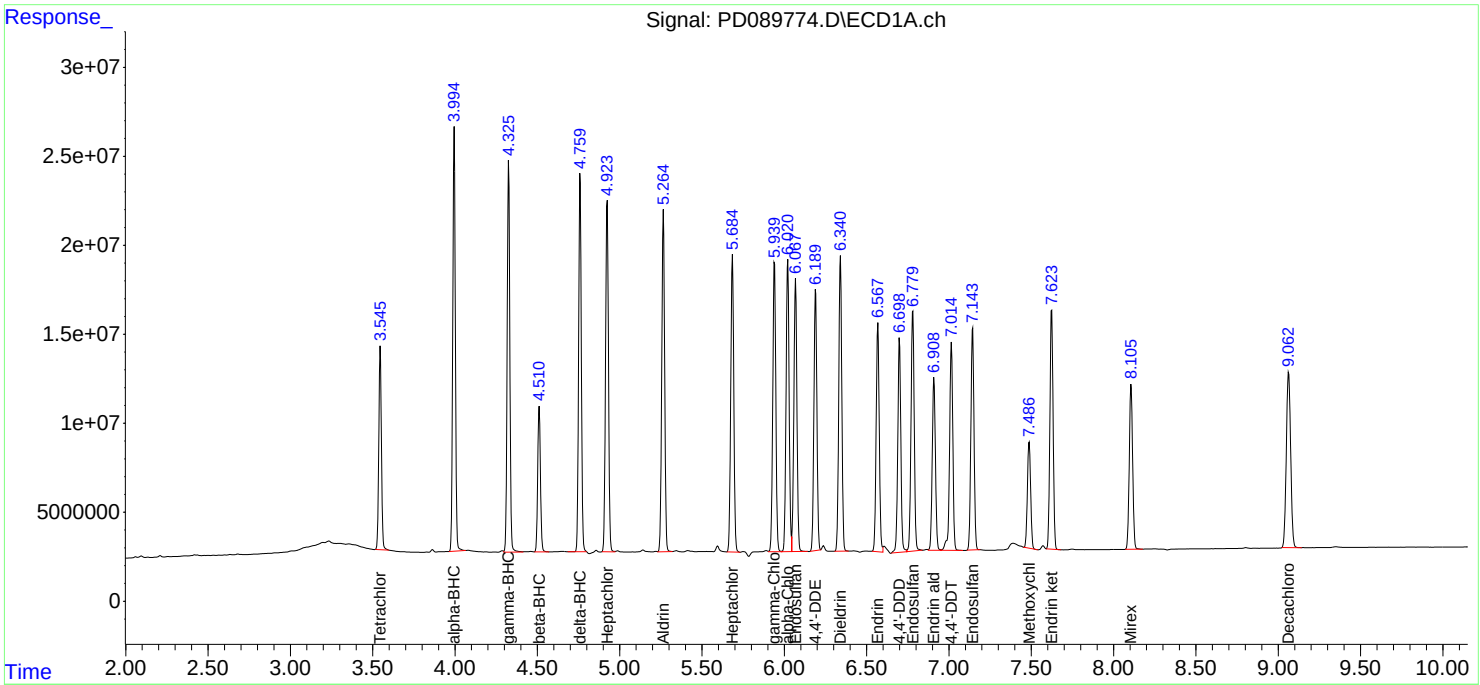
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

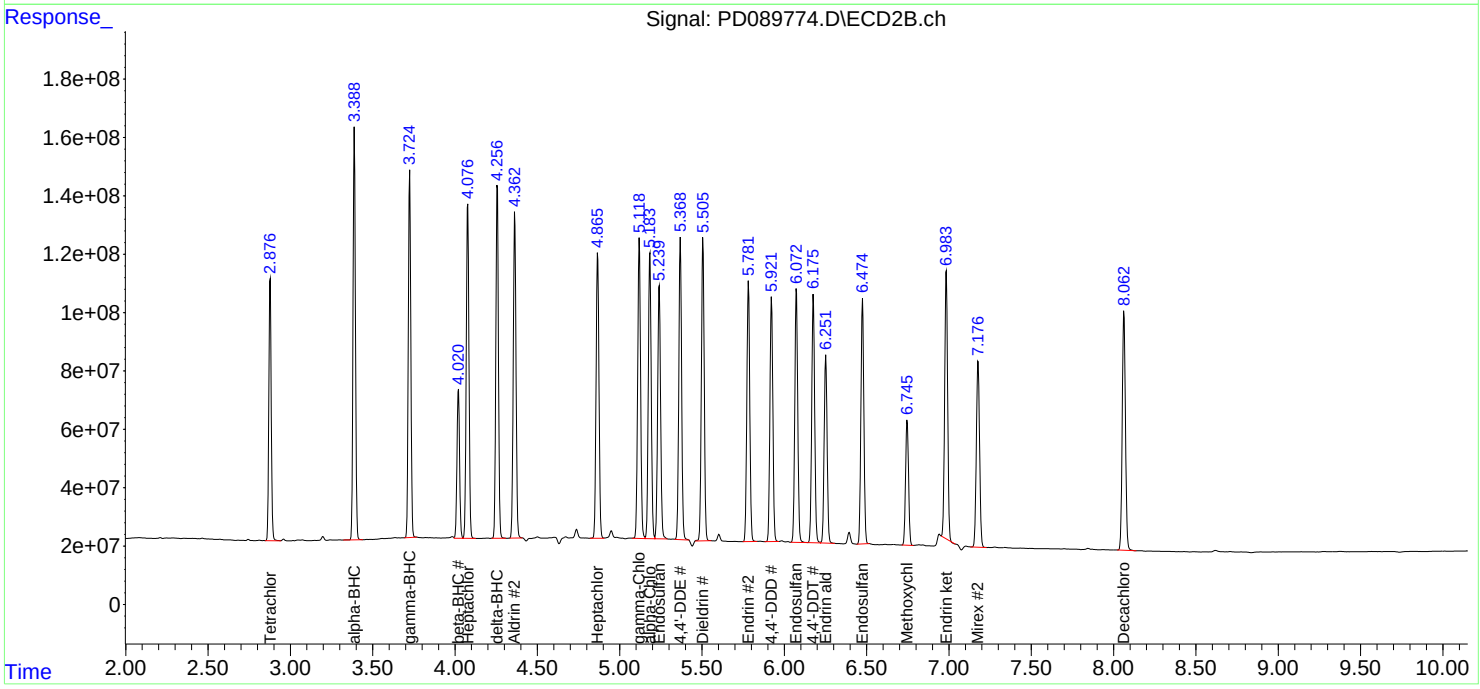
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089774.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 17:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

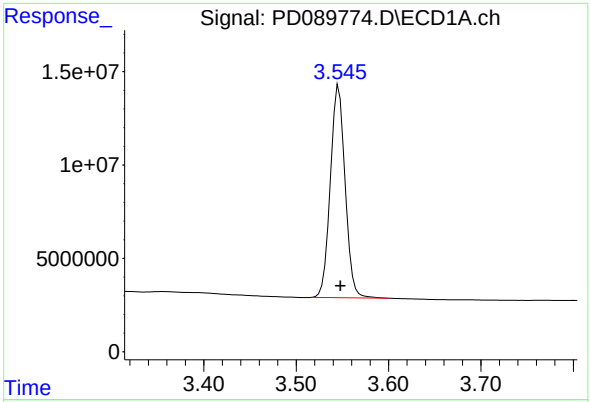
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:07:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial 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



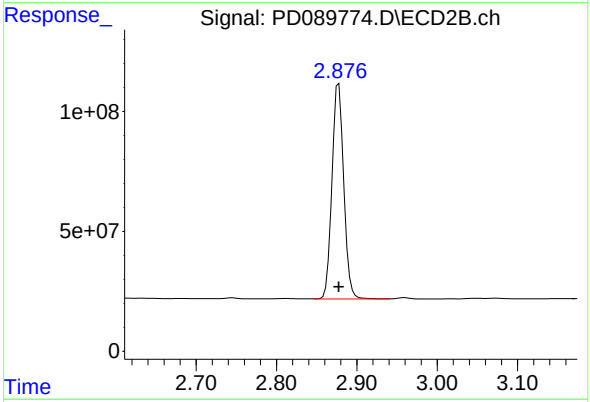




#1 Tetrachloro-m-xylene

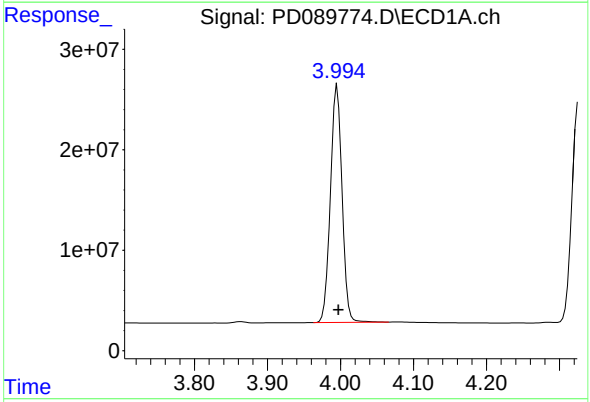
R.T.: 3.546 min
Delta R.T.: -0.002 min
Response: 126362626
Conc: 51.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



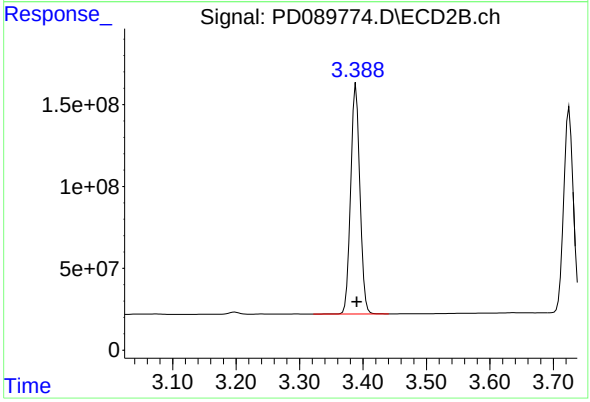
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 913788941
Conc: 57.70 ng/ml



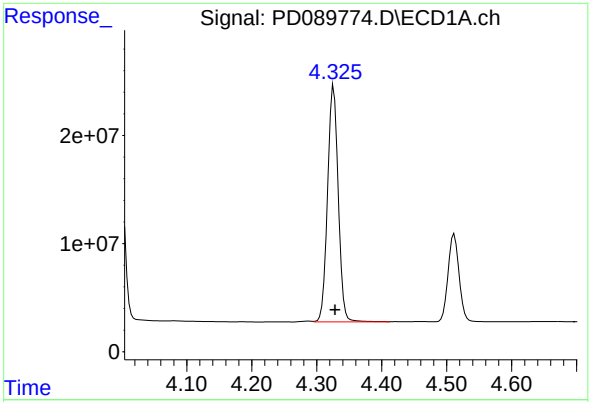
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: -0.001 min
Response: 261784170
Conc: 52.85 ng/ml



#2 alpha-BHC

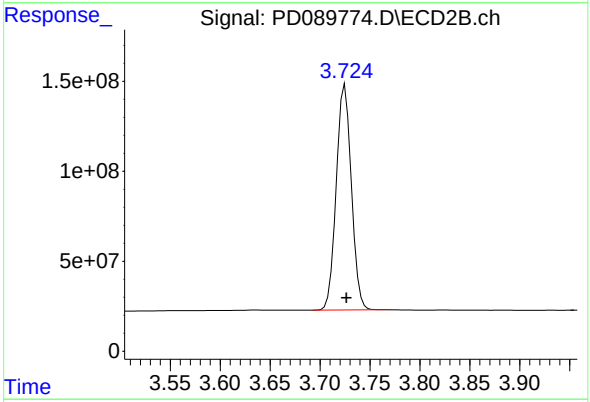
R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 1420712648
Conc: 58.45 ng/ml



#3 gamma-BHC (Lindane)

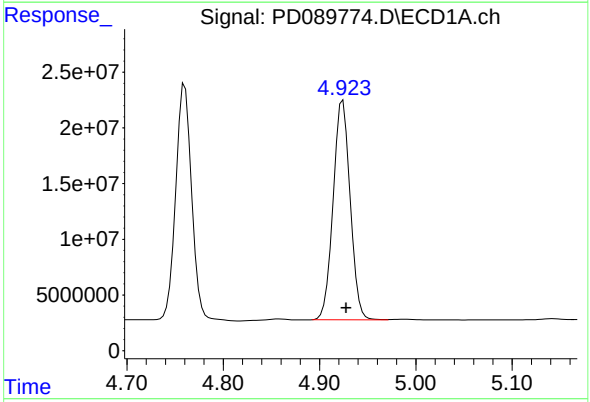
R.T.: 4.326 min
Delta R.T.: -0.002 min
Response: 249073997
Conc: 52.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



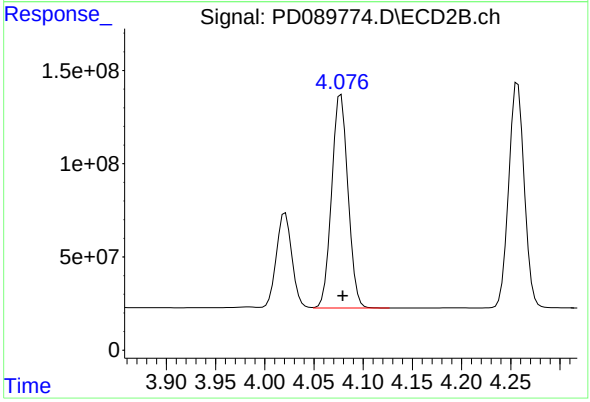
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.001 min
Response: 1319043339
Conc: 58.56 ng/ml



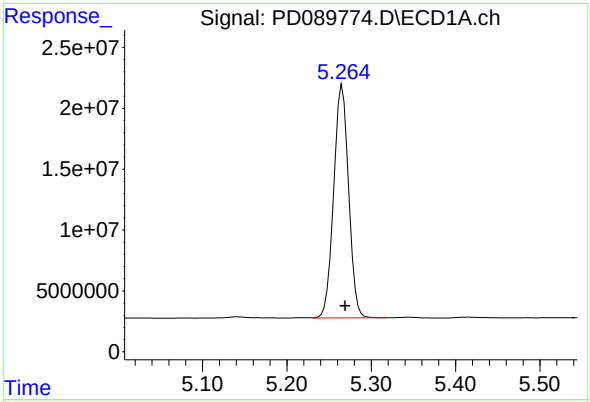
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.003 min
Response: 241981832
Conc: 50.29 ng/ml



#4 Heptachlor

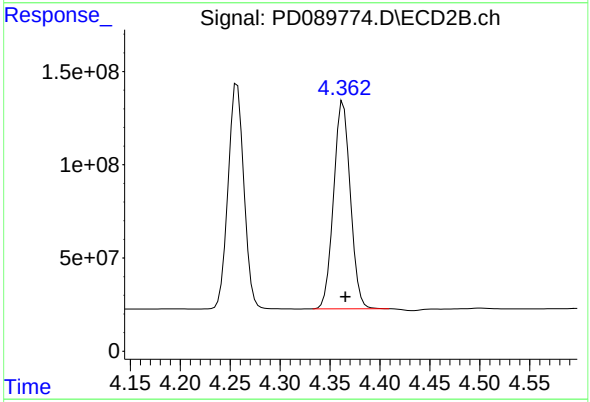
R.T.: 4.077 min
Delta R.T.: -0.002 min
Response: 1321141783
Conc: 56.92 ng/ml



#5 Aldrin

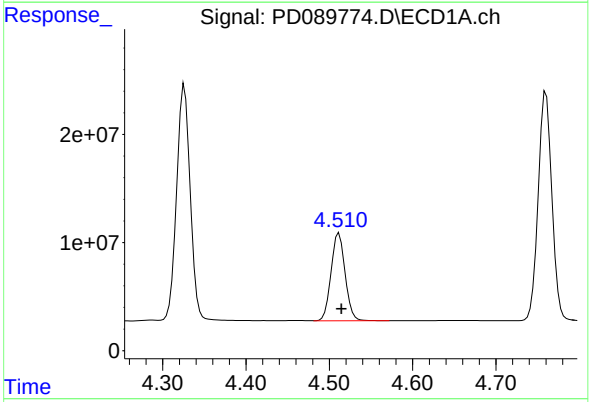
R.T.: 5.266 min
Delta R.T.: -0.003 min
Response: 235172600
Conc: 51.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



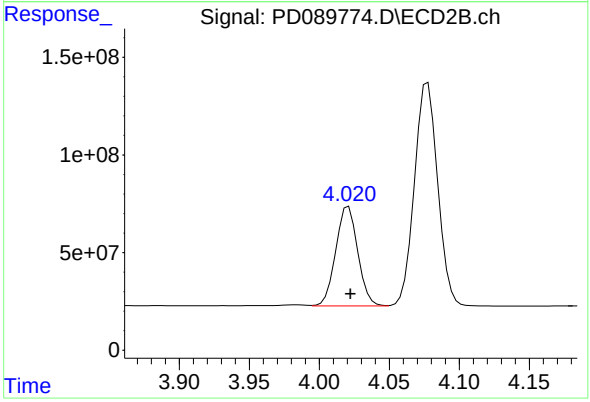
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.002 min
Response: 1298869329
Conc: 58.37 ng/ml



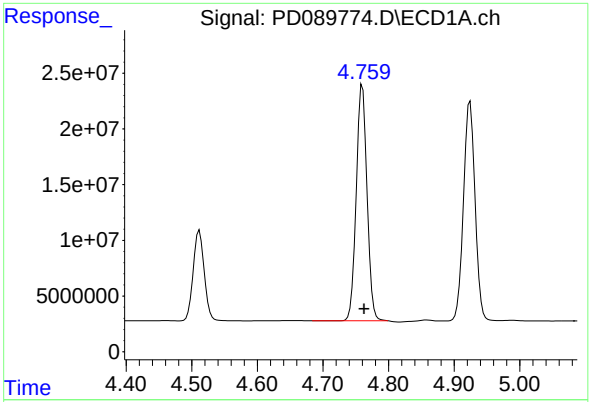
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.003 min
Response: 95130457
Conc: 51.57 ng/ml



#6 beta-BHC

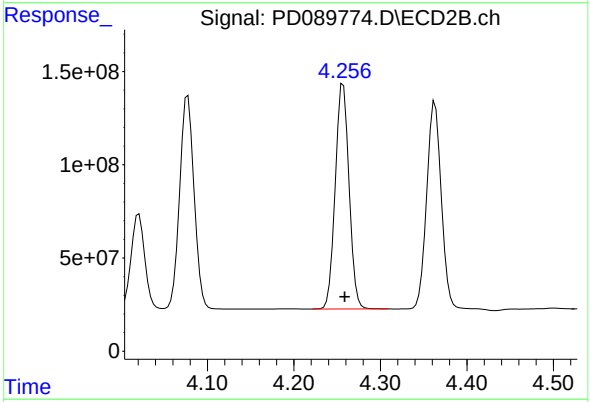
R.T.: 4.021 min
Delta R.T.: -0.001 min
Response: 557776125
Conc: 57.81 ng/ml



#7 delta-BHC

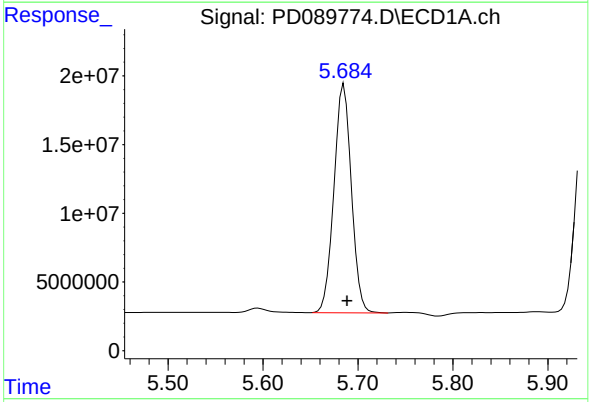
R.T.: 4.760 min
Delta R.T.: -0.002 min
Response: 241607928
Conc: 52.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



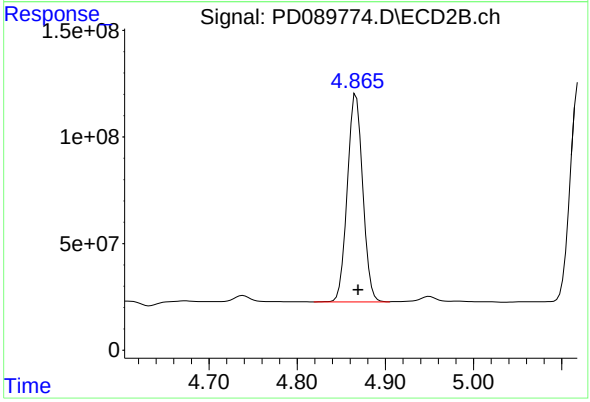
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.002 min
Response: 1330360571
Conc: 58.57 ng/ml



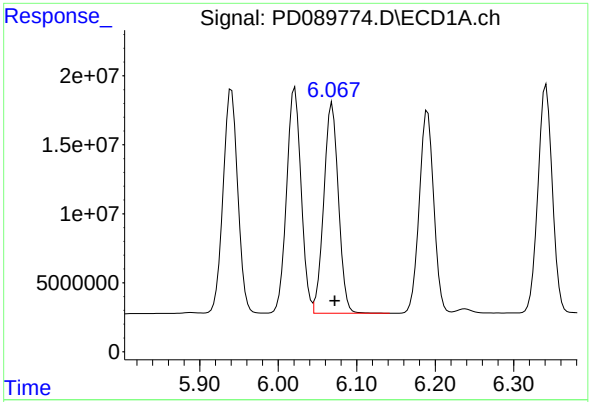
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.003 min
Response: 212412690
Conc: 50.81 ng/ml



#8 Heptachlor epoxide

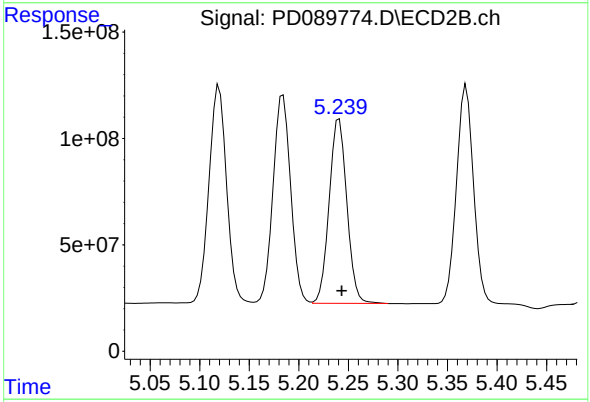
R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 1184316157
Conc: 57.63 ng/ml



#9 Endosulfan I

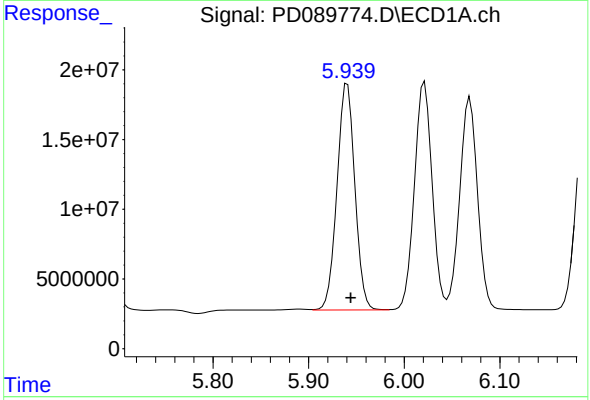
R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 197454098
Conc: 49.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



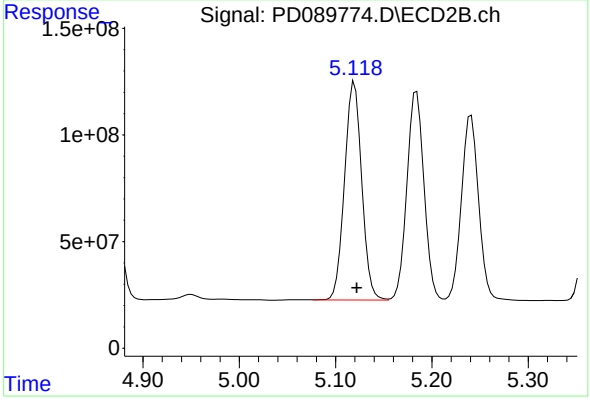
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 1076501311
Conc: 55.07 ng/ml



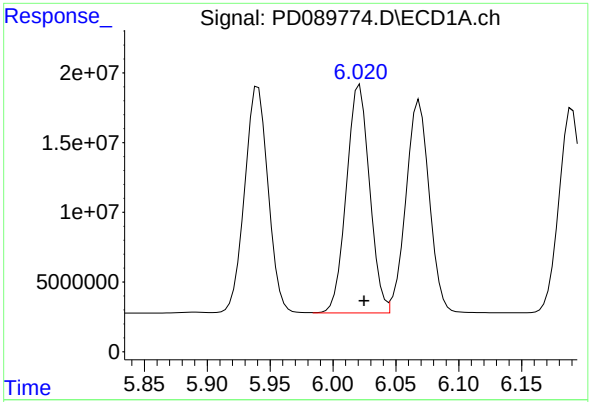
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 210955700
Conc: 50.48 ng/ml



#10 gamma-Chlordane

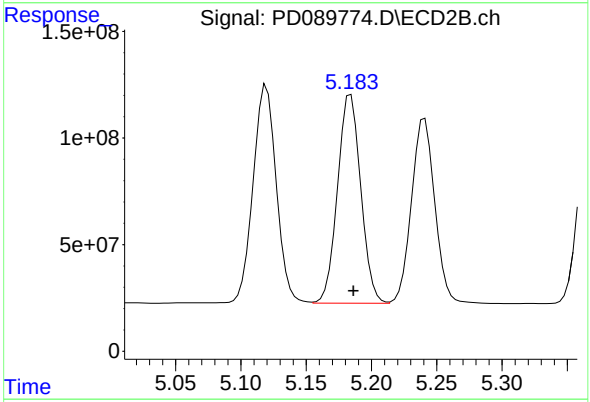
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 1263668682
Conc: 58.36 ng/ml



#11 alpha-Chlordane

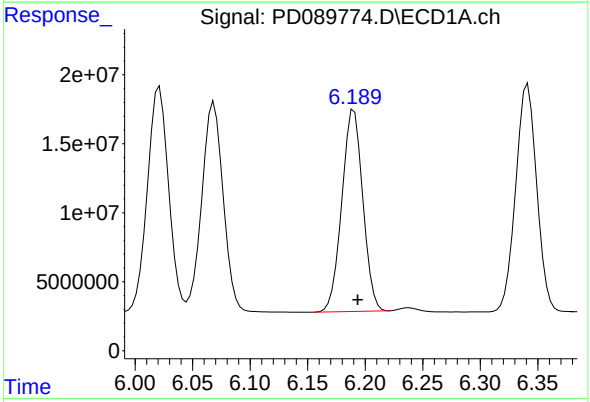
R.T.: 6.021 min
Delta R.T.: -0.003 min
Response: 210143817
Conc: 49.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



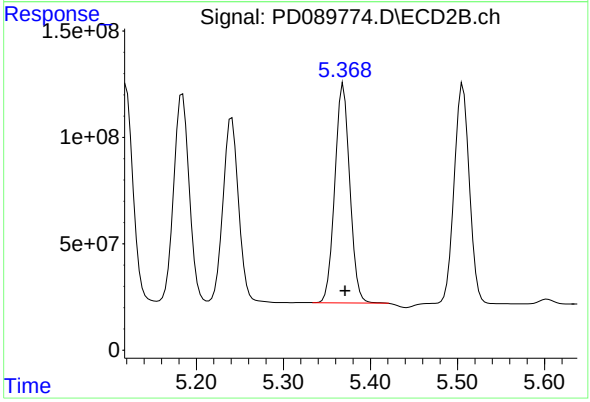
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 1212078302
Conc: 58.21 ng/ml



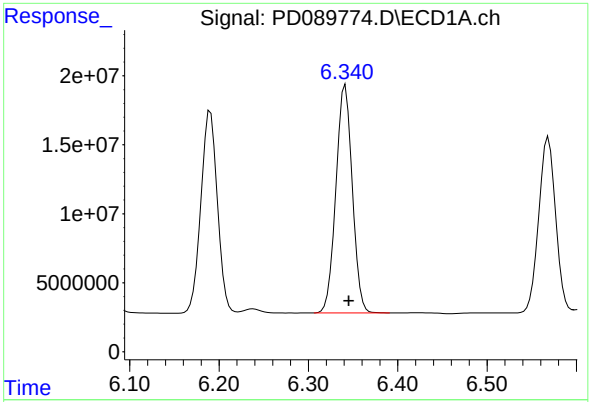
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 186566521
Conc: 50.02 ng/ml



#12 4,4'-DDE

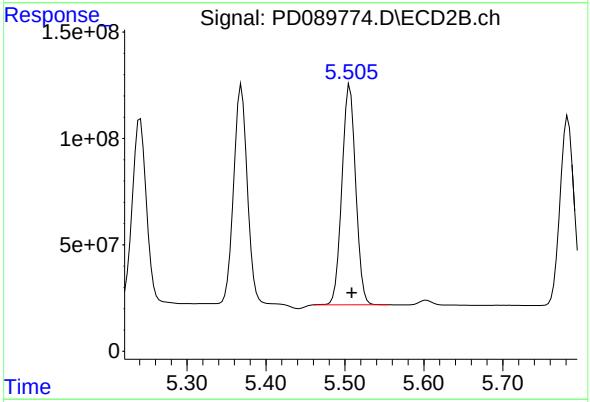
R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 1232337418
Conc: 58.30 ng/ml



#13 Dieldrin

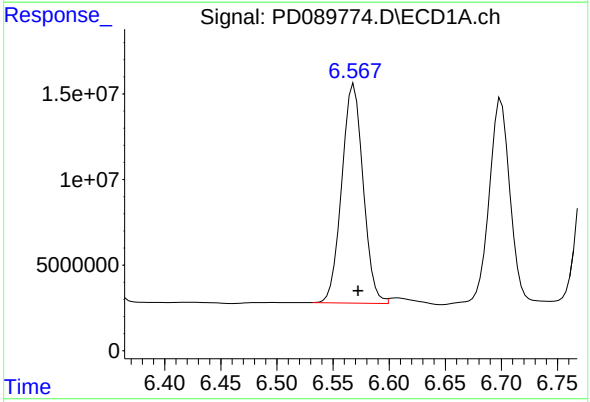
R.T.: 6.341 min
Delta R.T.: -0.004 min
Response: 210185792
Conc: 49.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



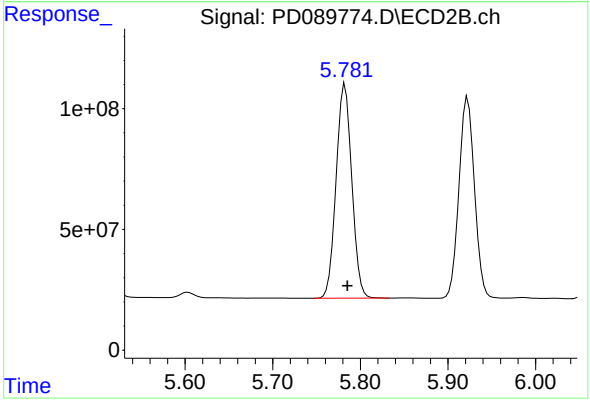
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.003 min
Response: 1257197947
Conc: 58.10 ng/ml



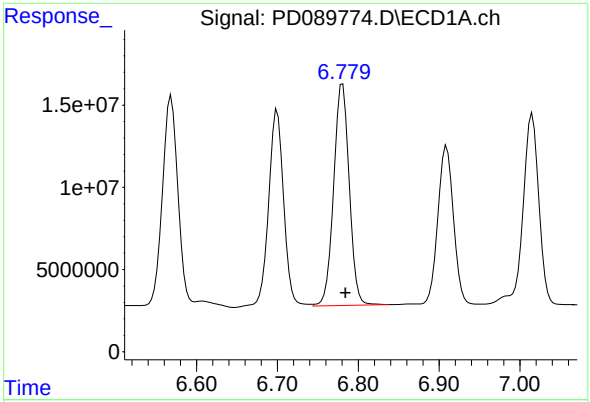
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.004 min
Response: 169672773
Conc: 47.42 ng/ml



#14 Endrin

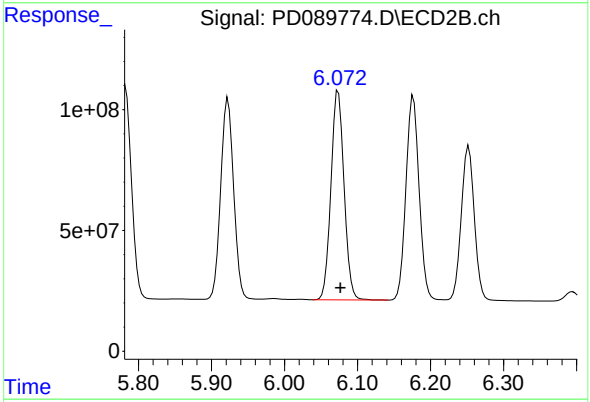
R.T.: 5.783 min
Delta R.T.: -0.003 min
Response: 1102730503
Conc: 55.34 ng/ml



#15 Endosulfan II

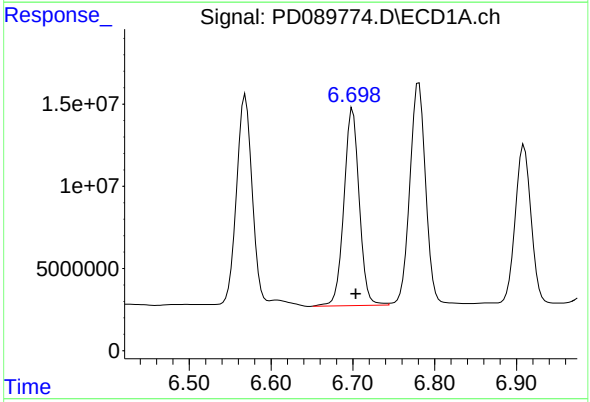
R.T.: 6.781 min
Delta R.T.: -0.003 min
Response: 180187838
Conc: 49.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



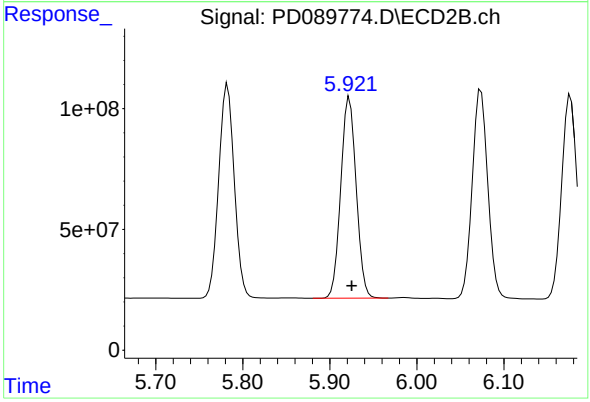
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 1082987771
Conc: 57.61 ng/ml



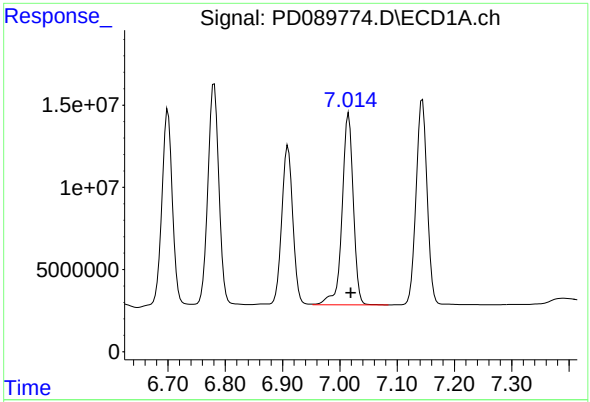
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.004 min
Response: 155164994
Conc: 51.81 ng/ml



#16 4,4'-DDD

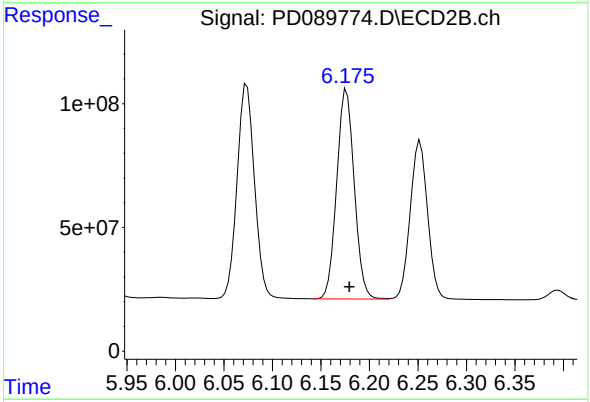
R.T.: 5.923 min
Delta R.T.: -0.003 min
Response: 1024452967
Conc: 58.10 ng/ml



#17 4,4'-DDT

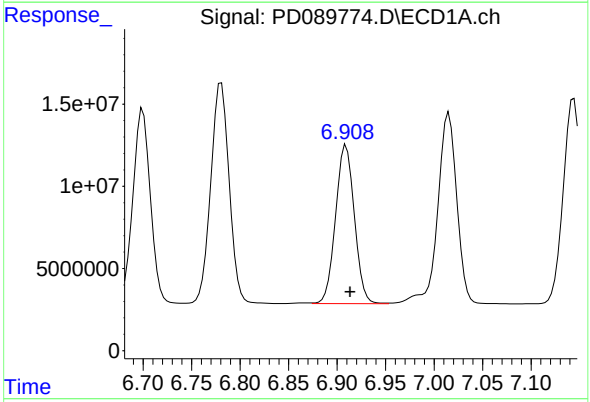
R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 159071935
Conc: 47.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



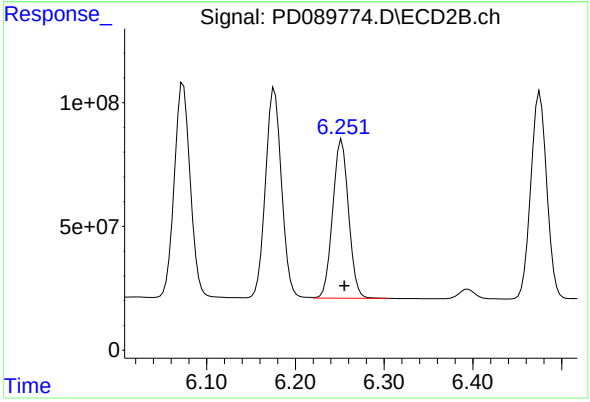
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 1064608864
Conc: 57.95 ng/ml



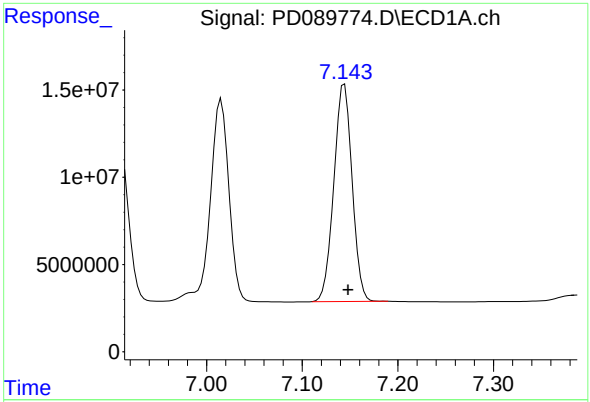
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.004 min
Response: 130105522
Conc: 52.13 ng/ml



#18 Endrin aldehyde

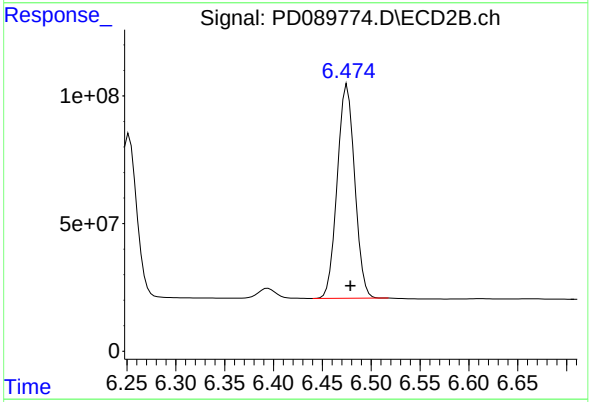
R.T.: 6.252 min
Delta R.T.: -0.003 min
Response: 796177102
Conc: 61.62 ng/ml



#19 Endosulfan Sulfate

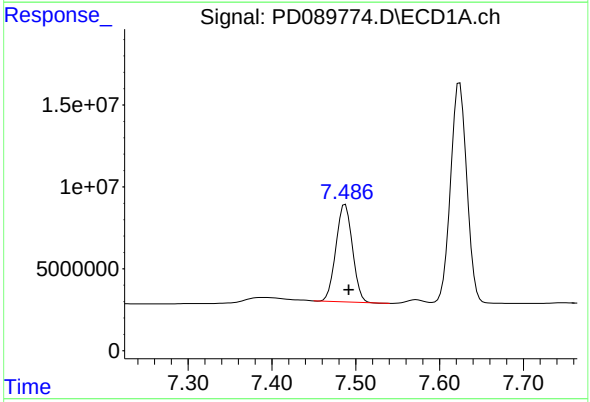
R.T.: 7.144 min
Delta R.T.: -0.004 min
Response: 165649985
Conc: 47.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



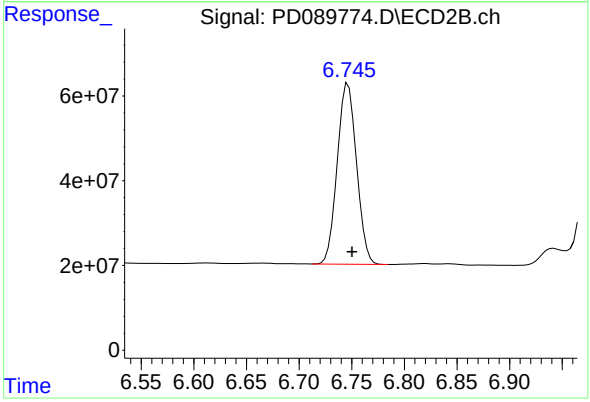
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.003 min
Response: 1043943733
Conc: 56.23 ng/ml



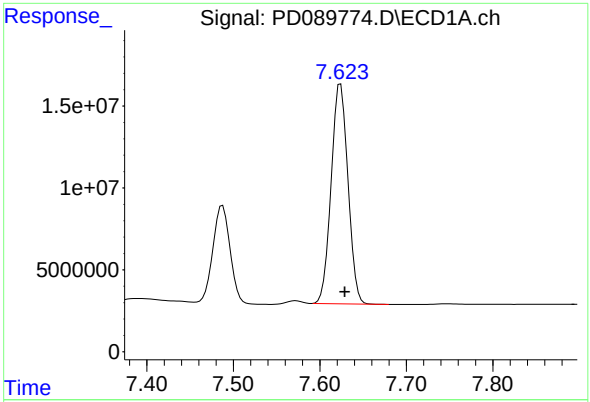
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.004 min
Response: 81247739
Conc: 45.44 ng/ml



#20 Methoxychlor

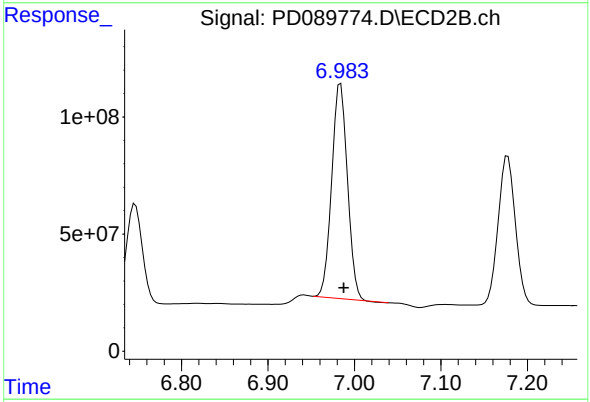
R.T.: 6.747 min
Delta R.T.: -0.004 min
Response: 547169285
Conc: 55.86 ng/ml



#21 Endrin ketone

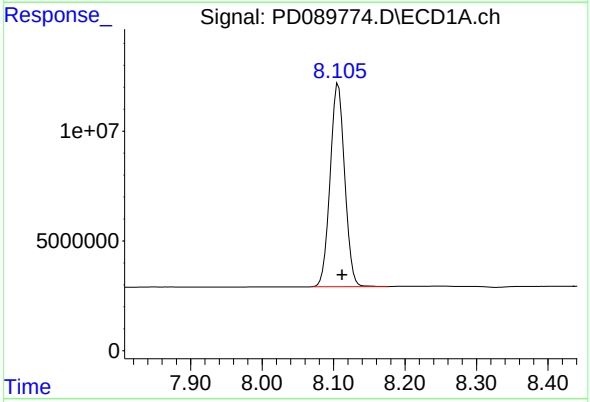
R.T.: 7.624 min
Delta R.T.: -0.005 min
Response: 180263742
Conc: 48.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



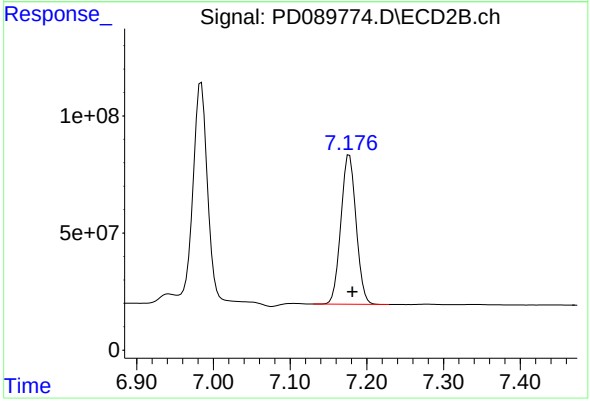
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.004 min
Response: 1151425747
Conc: 57.38 ng/ml



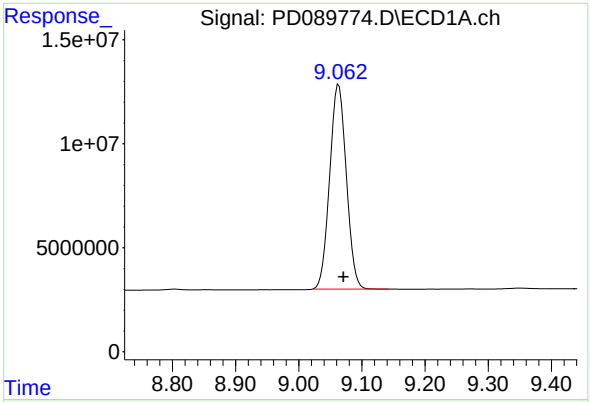
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.005 min
Response: 130866025
Conc: 46.93 ng/ml



#22 Mirex

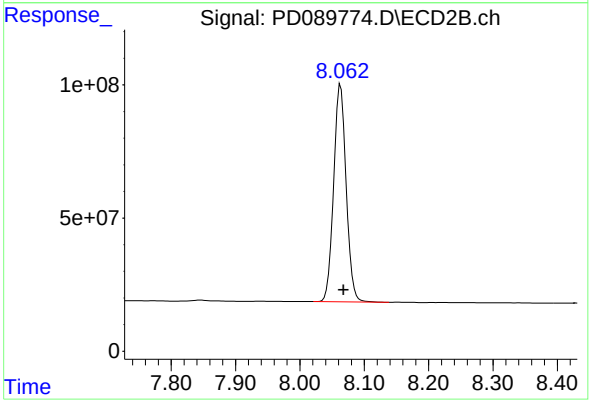
R.T.: 7.177 min
Delta R.T.: -0.004 min
Response: 881794506
Conc: 57.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.007 min
Response: 180526952
Conc: 48.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.005 min
Response: 1102623670
Conc: 54.92 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/06/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 19:45 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.07	8.97	9.17	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	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	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.03	5.93	6.13	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/06/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 19:45 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.79	5.69	5.89	0.01
Endosulfan II	6.07	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.99	6.89	7.09	0.01
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089785.D **Time Analyzed:** 19:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.604	6.804	51.550	50.000	3.1
4,4'-DDE	6.191	6.094	6.294	49.630	50.000	-0.7
4,4'-DDT	7.015	6.919	7.119	46.520	50.000	-7.0
Aldrin	5.266	5.169	5.369	51.670	50.000	3.3
alpha-BHC	3.996	3.897	4.097	53.340	50.000	6.7
alpha-Chlordane	6.022	5.925	6.125	49.770	50.000	-0.5
beta-BHC	4.513	4.414	4.614	51.890	50.000	3.8
Decachlorobiphenyl	9.064	8.971	9.171	48.260	50.000	-3.5
delta-BHC	4.761	4.663	4.863	52.900	50.000	5.8
Dieldrin	6.341	6.245	6.445	49.340	50.000	-1.3
Endosulfan I	6.070	5.972	6.172	49.530	50.000	-0.9
Endosulfan II	6.781	6.684	6.884	48.790	50.000	-2.4
Endosulfan sulfate	7.144	7.048	7.248	47.170	50.000	-5.7
Endrin	6.569	6.472	6.672	46.960	50.000	-6.1
Endrin aldehyde	6.909	6.813	7.013	51.540	50.000	3.1
Endrin ketone	7.624	7.529	7.729	48.040	50.000	-3.9
gamma-BHC (Lindane)	4.327	4.228	4.428	52.720	50.000	5.4
gamma-Chlordane	5.941	5.844	6.044	50.220	50.000	0.4
Heptachlor	4.925	4.827	5.027	50.300	50.000	0.6
Heptachlor epoxide	5.686	5.589	5.789	50.810	50.000	1.6
Methoxychlor	7.487	7.392	7.592	44.350	50.000	-11.3
Tetrachloro-m-xylene	3.547	3.448	3.648	51.900	50.000	3.8

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089785.D **Time Analyzed:** 19:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.825	6.025	57.750	50.000	15.5
4,4'-DDE	5.369	5.271	5.471	58.560	50.000	17.1
4,4'-DDT	6.177	6.079	6.279	57.060	50.000	14.1
Aldrin	4.364	4.265	4.465	59.050	50.000	18.1
alpha-BHC	3.389	3.290	3.490	59.280	50.000	18.6
alpha-Chlordane	5.184	5.086	5.286	58.440	50.000	16.9
beta-BHC	4.021	3.922	4.122	58.400	50.000	16.8
Decachlorobiphenyl	8.064	7.968	8.168	52.820	50.000	5.6
delta-BHC	4.258	4.159	4.359	59.450	50.000	18.9
Dieldrin	5.507	5.409	5.609	57.990	50.000	16.0
Endosulfan I	5.241	5.143	5.343	54.990	50.000	10.0
Endosulfan II	6.074	5.977	6.177	57.020	50.000	14.0
Endosulfan sulfate	6.476	6.378	6.578	55.290	50.000	10.6
Endrin	5.783	5.685	5.885	55.320	50.000	10.6
Endrin aldehyde	6.251	6.155	6.355	59.920	50.000	19.8
Endrin ketone	6.984	6.888	7.088	55.900	50.000	11.8
gamma-BHC (Lindane)	3.725	3.626	3.826	59.220	50.000	18.4
gamma-Chlordane	5.120	5.022	5.222	58.670	50.000	17.3
Heptachlor	4.078	3.979	4.179	57.430	50.000	14.9
Heptachlor epoxide	4.867	4.769	4.969	57.870	50.000	15.7
Methoxychlor	6.747	6.650	6.850	54.610	50.000	9.2
Tetrachloro-m-xylene	2.878	2.778	2.978	58.880	50.000	17.8

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:45
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	128.0E6	932.5E6	51.902	58.880
28)	SA Decachlor...	9.064	8.064	179.4E6	1060.5E6	48.264	52.821
	Target Compounds						
2)	A alpha-BHC	3.996	3.389	264.2E6	1440.7E6	53.342	59.277
3)	MA gamma-BHC...	4.327	3.725	250.5E6	1333.8E6	52.718	59.216
4)	MA Heptachlor	4.925	4.078	242.0E6	1332.9E6	50.299	57.429
5)	MB Aldrin	5.266	4.364	235.9E6	1313.8E6	51.674	59.047
6)	B beta-BHC	4.513	4.021	95712241	563.5E6	51.886	58.404
7)	B delta-BHC	4.761	4.258	242.6E6	1350.5E6	52.903	59.452
8)	B Heptachlo...	5.686	4.867	212.4E6	1189.3E6	50.809	57.873
9)	A Endosulfan I	6.070	5.241	196.3E6	1074.9E6	49.528	54.986
10)	B gamma-Chl...	5.941	5.120	209.9E6	1270.4E6	50.218	58.669
11)	B alpha-Chl...	6.022	5.184	209.3E6	1216.8E6	49.773	58.440
12)	B 4,4'-DDE	6.191	5.369	185.1E6	1237.9E6	49.628	58.563
13)	MA Dieldrin	6.341	5.507	208.4E6	1254.8E6	49.342	57.990
14)	MA Endrin	6.569	5.783	168.0E6	1102.3E6	46.963	55.320
15)	B Endosulfa...	6.781	6.074	179.0E6	1072.0E6	48.794	57.020
16)	A 4,4'-DDD	6.700	5.923	154.4E6	1018.3E6	51.546	57.753
17)	MA 4,4'-DDT	7.015	6.177	156.3E6	1048.4E6	46.521	57.062
18)	B Endrin al...	6.909	6.251	128.6E6	774.2E6	51.544	59.923m
19)	B Endosulfa...	7.144	6.476	163.7E6	1026.5E6	47.171	55.290
20)	A Methoxychlor	7.487	6.747	79288996	535.0E6	44.346	54.612
21)	B Endrin ke...	7.624	6.984	178.4E6	1121.9E6	48.044	55.903
22)	Mirex	8.107	7.178	129.2E6	854.1E6	46.333	56.115

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

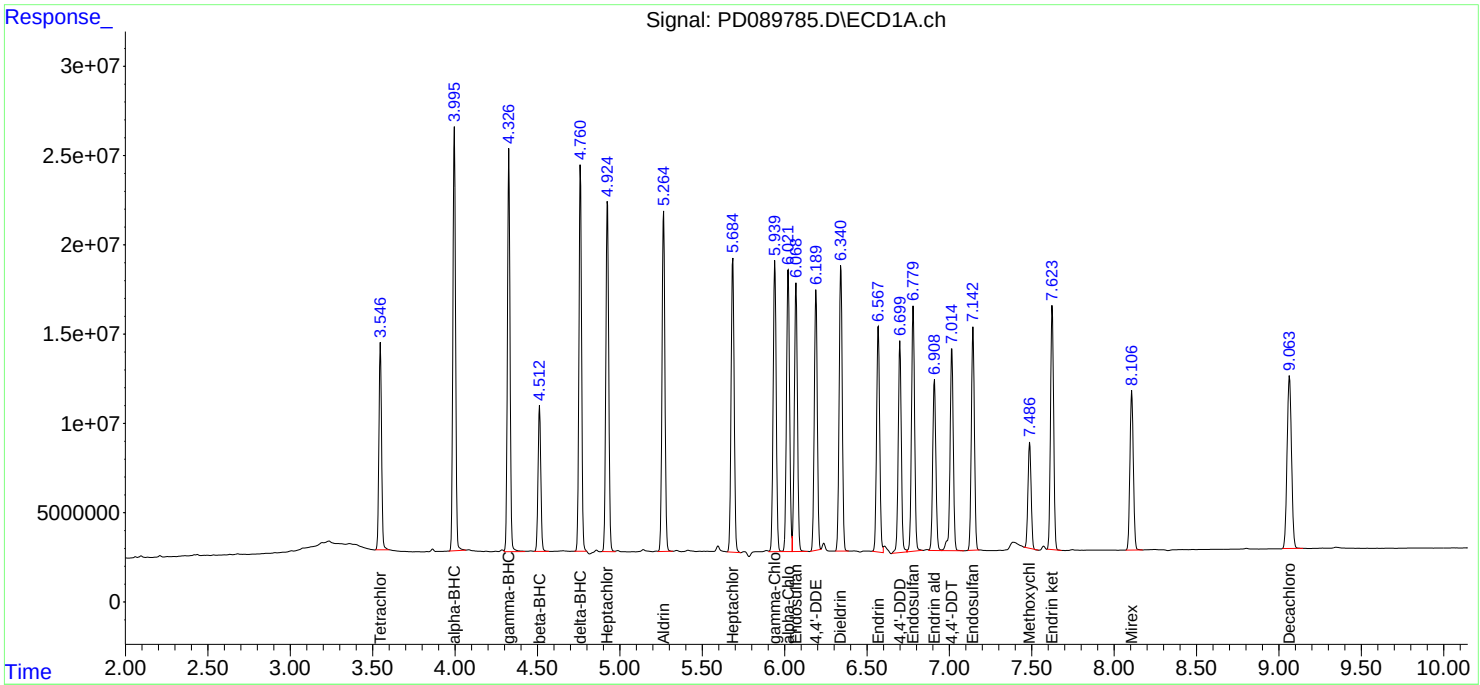
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:45
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

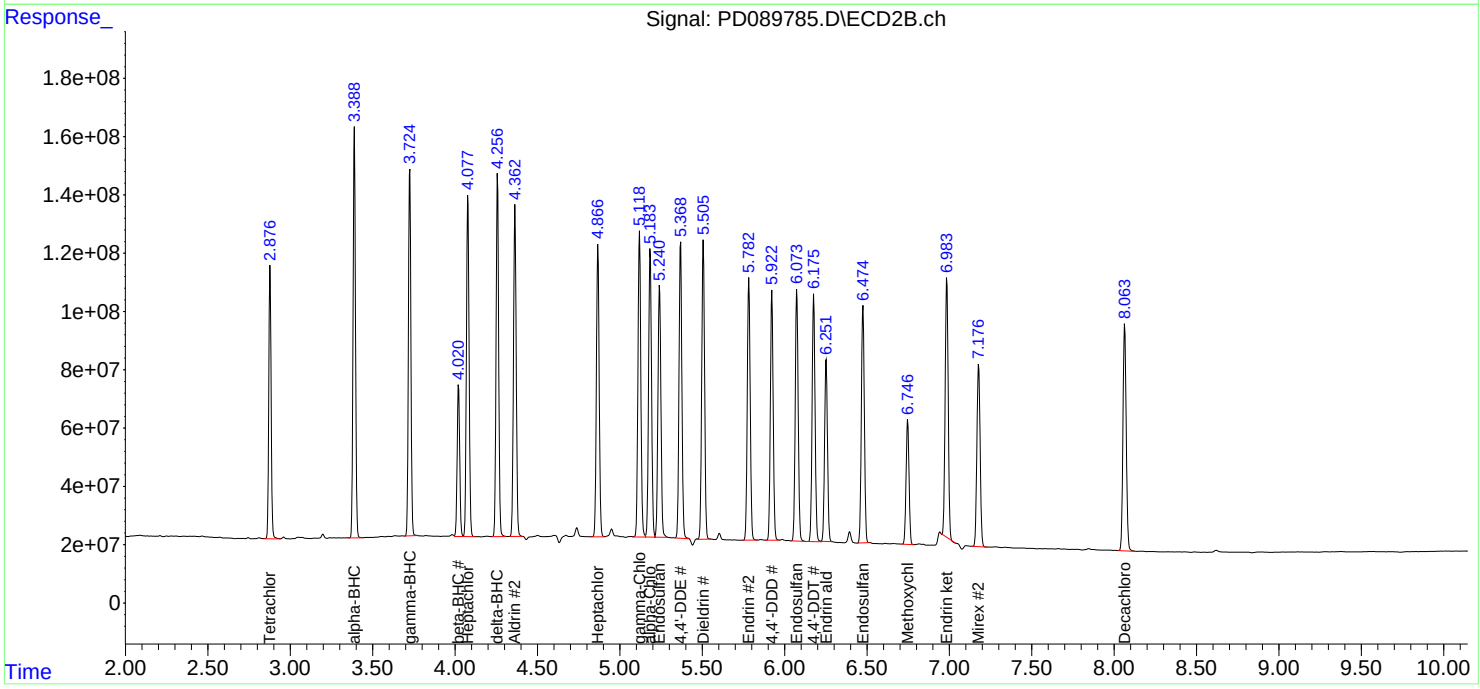
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

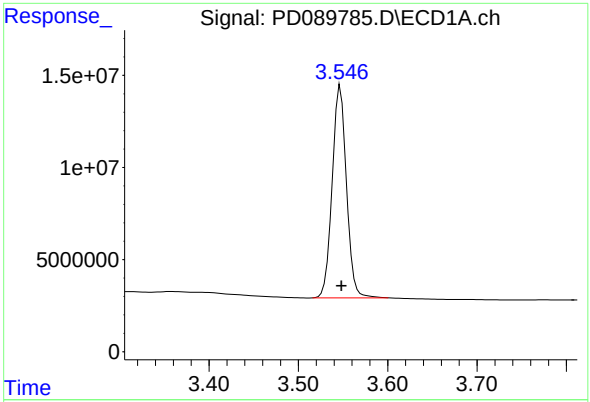
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







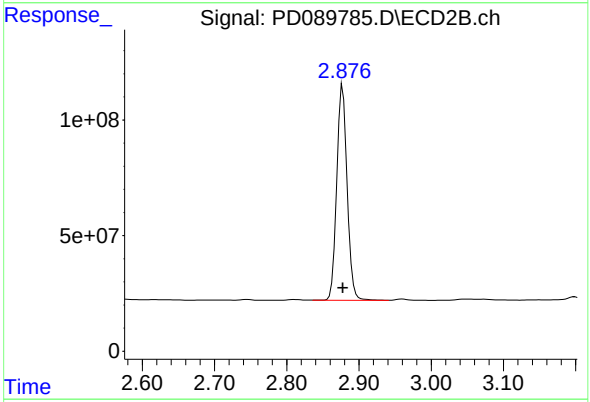
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 128021062
Conc: 51.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

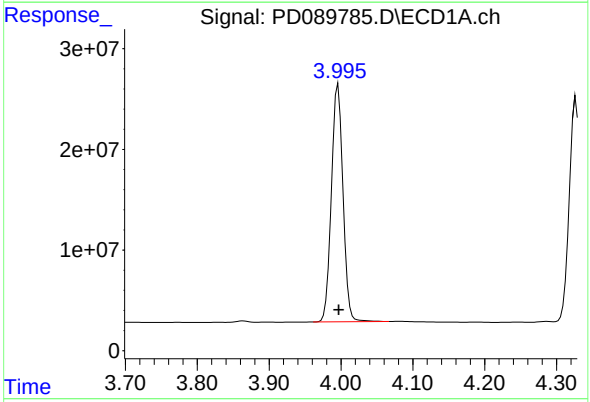
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



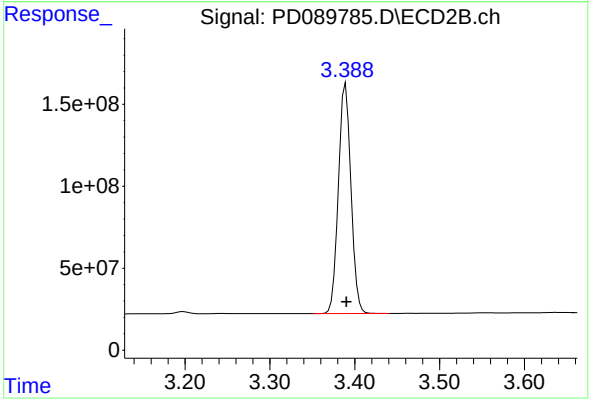
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 932539634
Conc: 58.88 ng/ml



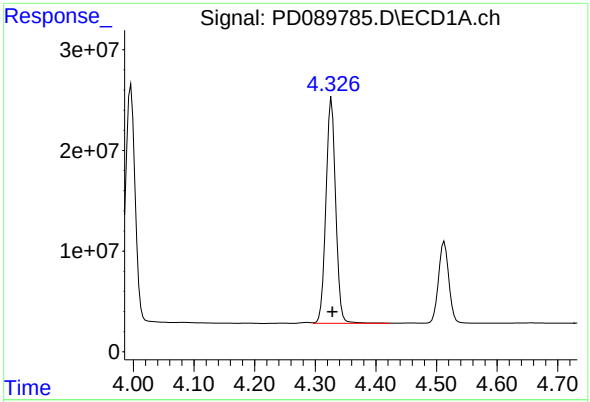
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 264230051
Conc: 53.34 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1440715940
Conc: 59.28 ng/ml



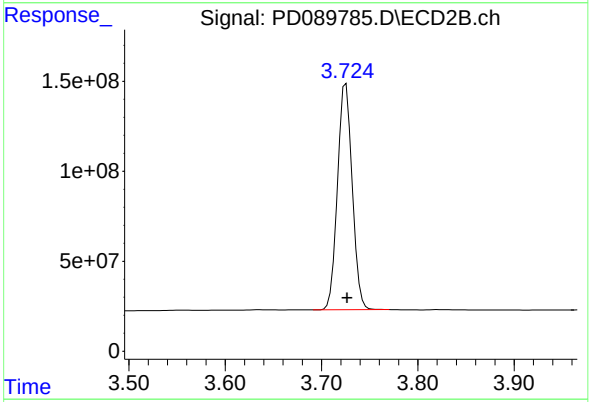
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 250535139
Conc: 52.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

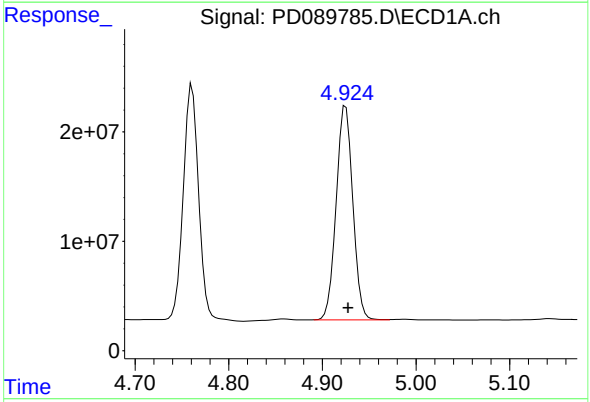
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



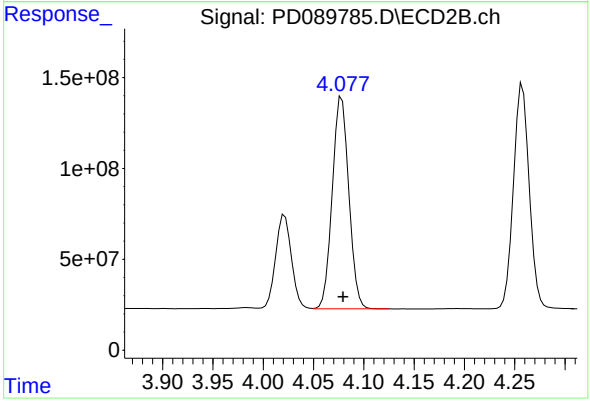
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1333793695
Conc: 59.22 ng/ml



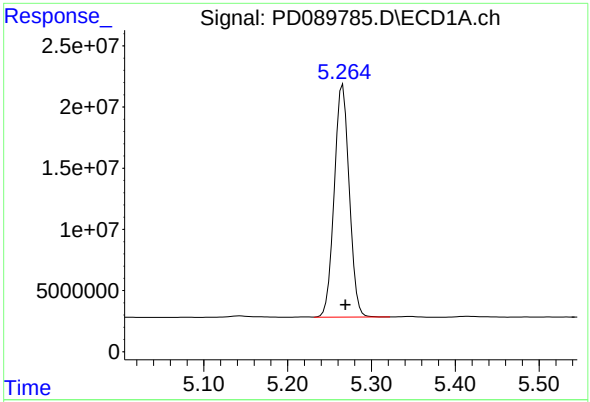
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: -0.002 min
Response: 242015054
Conc: 50.30 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: -0.001 min
Response: 1332874388
Conc: 57.43 ng/ml



#5 Aldrin

R.T.: 5.266 min
Delta R.T.: -0.003 min
Response: 235886217
Conc: 51.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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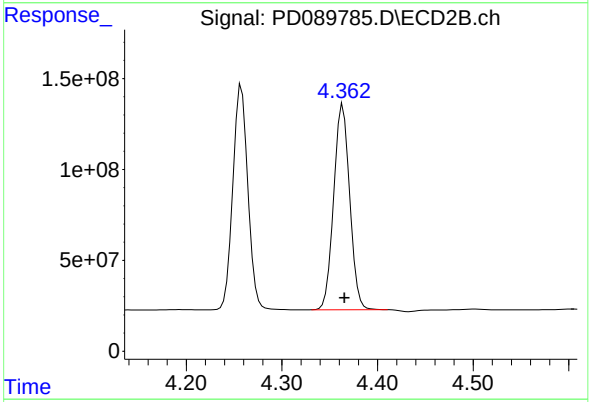
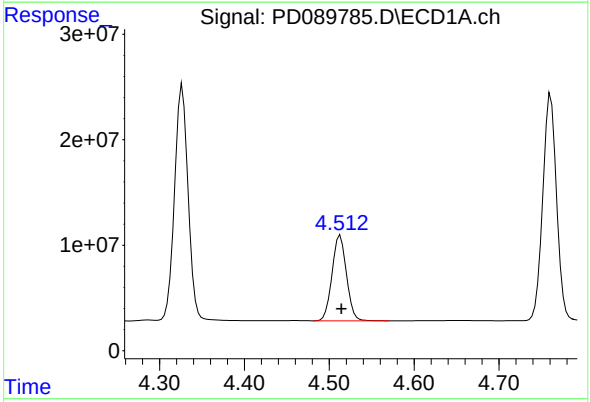


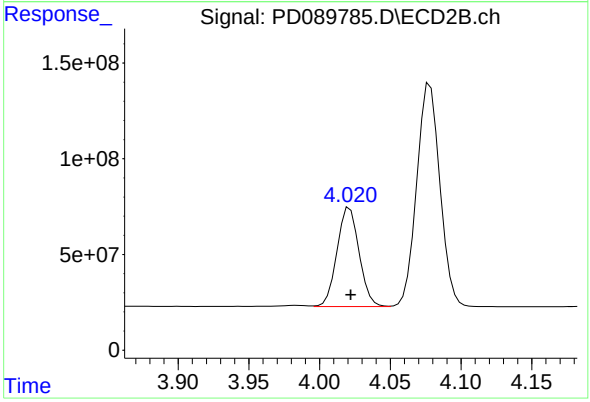
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.001 min
Response: 1313844596
Conc: 59.05 ng/ml



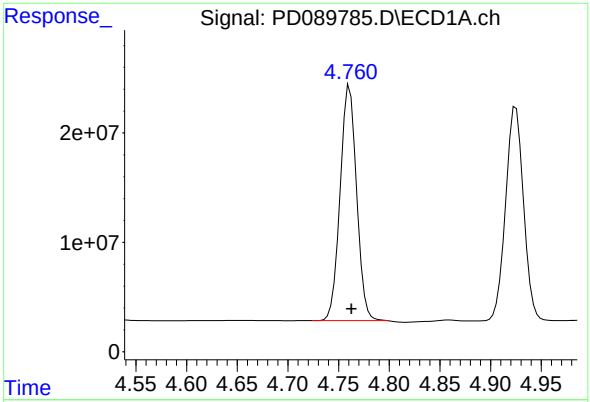
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 95712241
Conc: 51.89 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 563536595
Conc: 58.40 ng/ml



#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: -0.002 min
Response: 242624401
Conc: 52.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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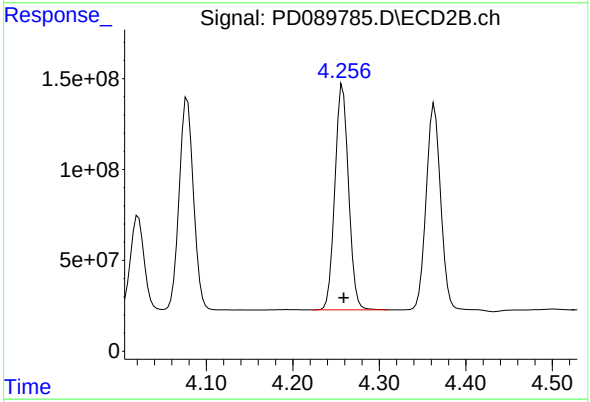
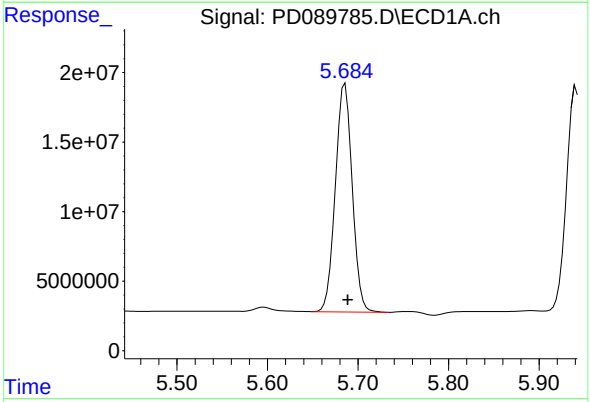


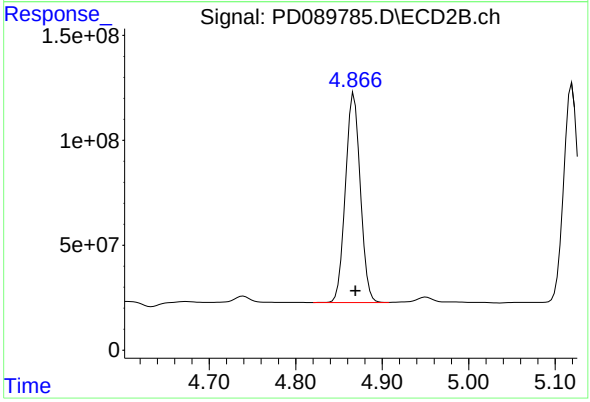
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.001 min
Response: 1350455019
Conc: 59.45 ng/ml



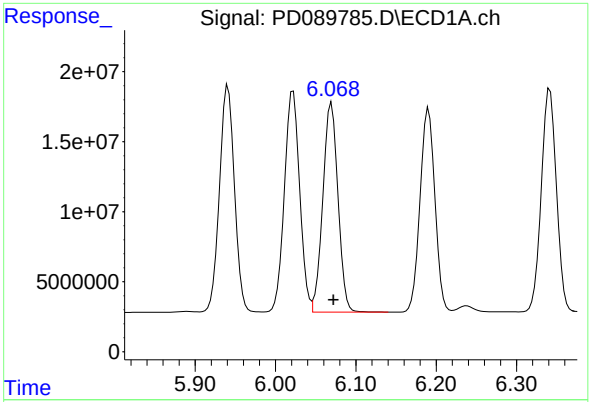
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: -0.003 min
Response: 212419766
Conc: 50.81 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 1189283268
Conc: 57.87 ng/ml



#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 196308931
Conc: 49.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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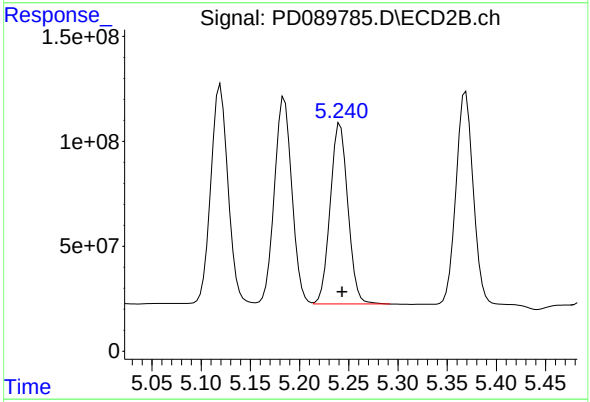
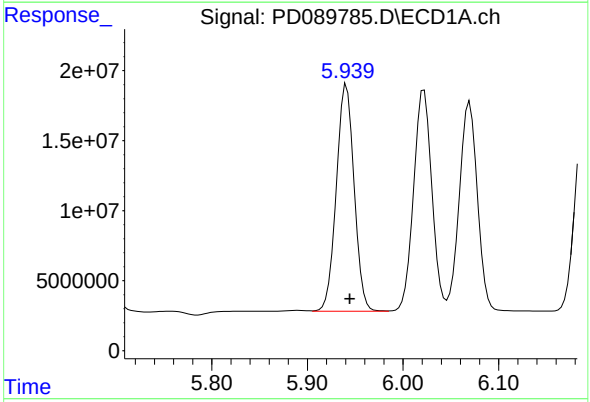


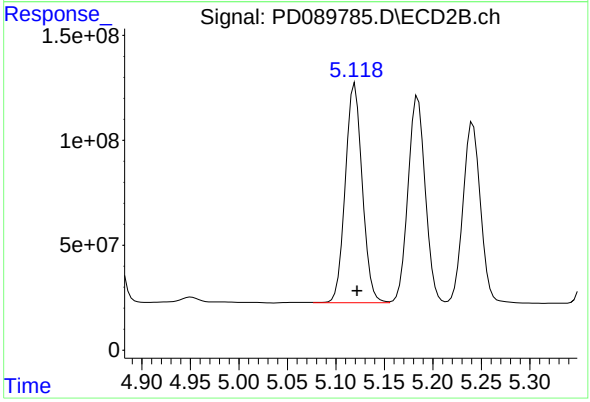
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 1074891104
Conc: 54.99 ng/ml



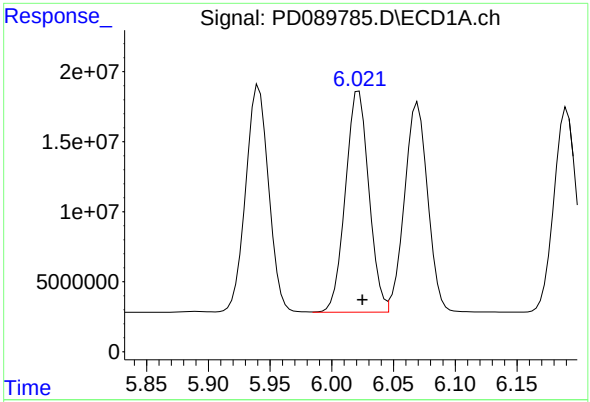
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 209866625
Conc: 50.22 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 1270370208
Conc: 58.67 ng/ml



#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: -0.003 min
Response: 209255624
Conc: 49.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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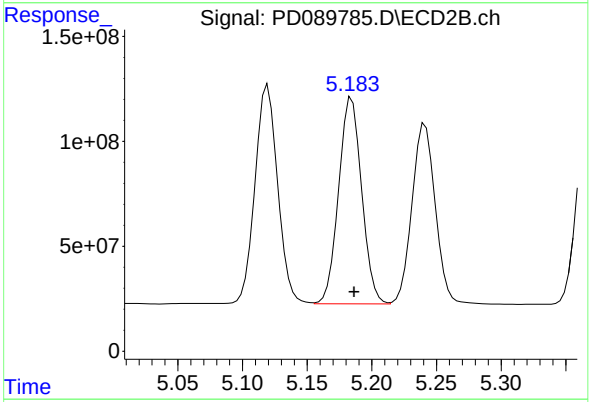
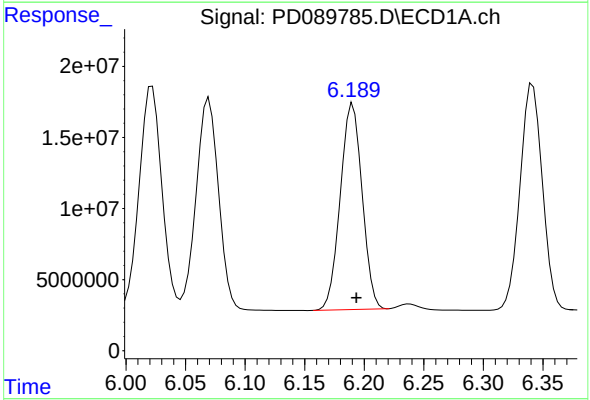


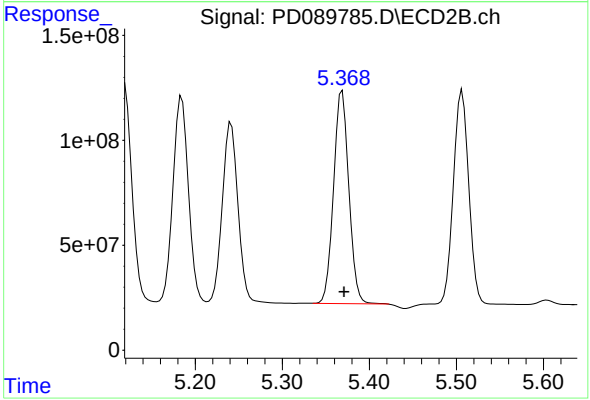
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 1216827467
Conc: 58.44 ng/ml



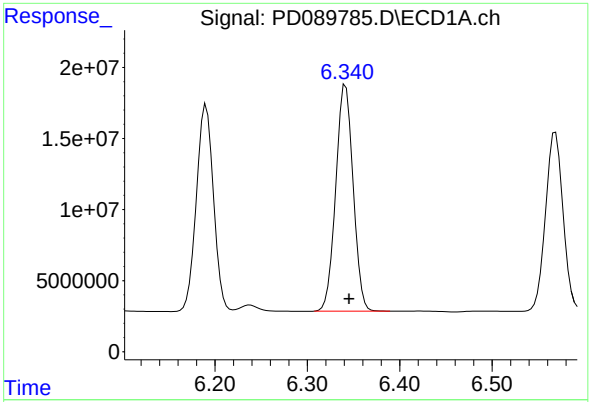
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 185101652
Conc: 49.63 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 1237862226
Conc: 58.56 ng/ml



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.004 min
Response: 208394395
Conc: 49.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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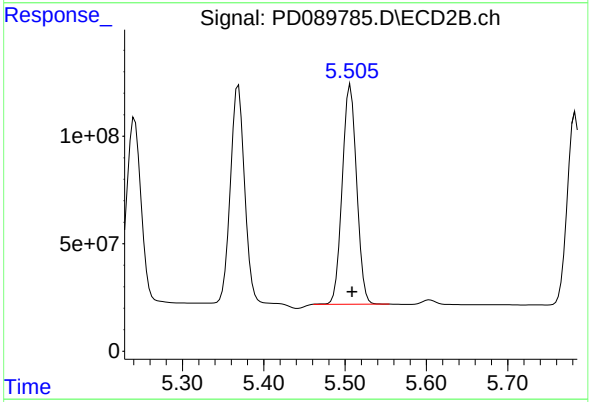
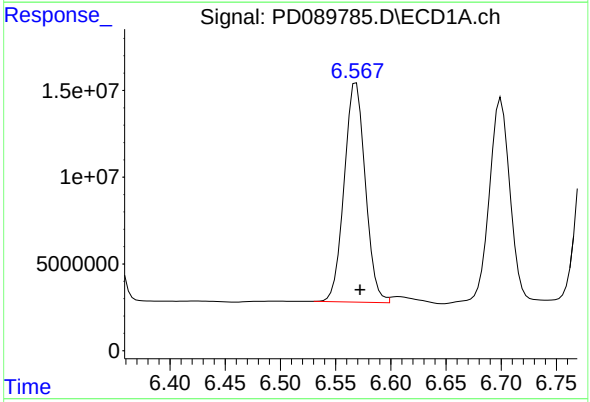


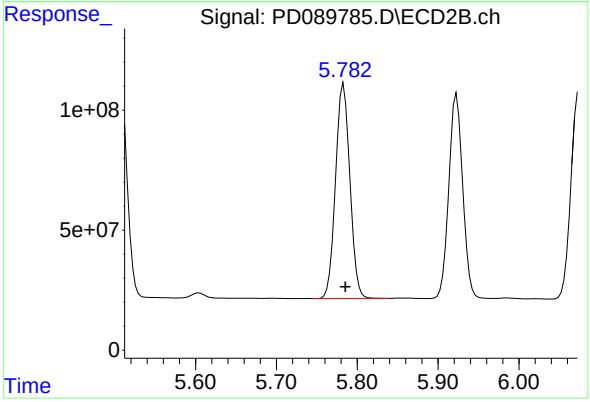
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.002 min
Response: 1254835667
Conc: 57.99 ng/ml



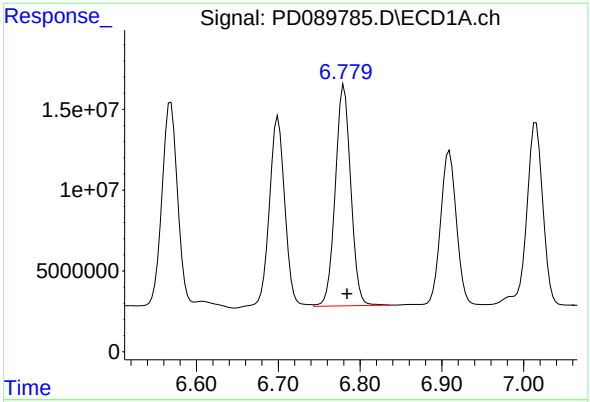
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.004 min
Response: 168021799
Conc: 46.96 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1102256212
Conc: 55.32 ng/ml



#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: -0.003 min
Response: 179044553
Conc: 48.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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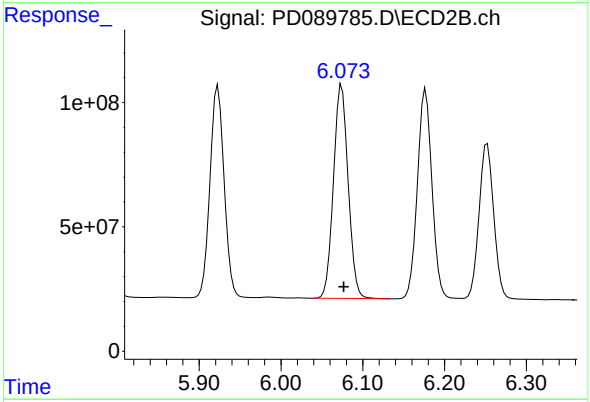
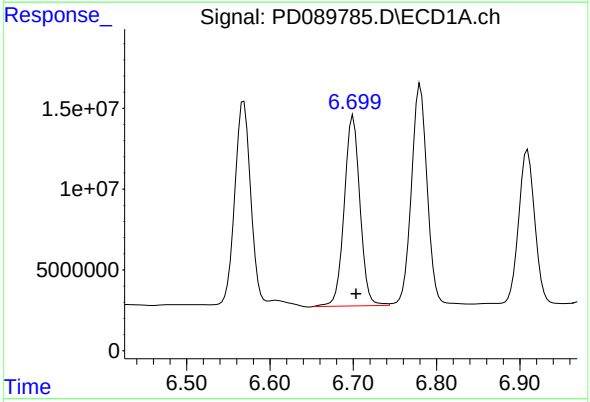


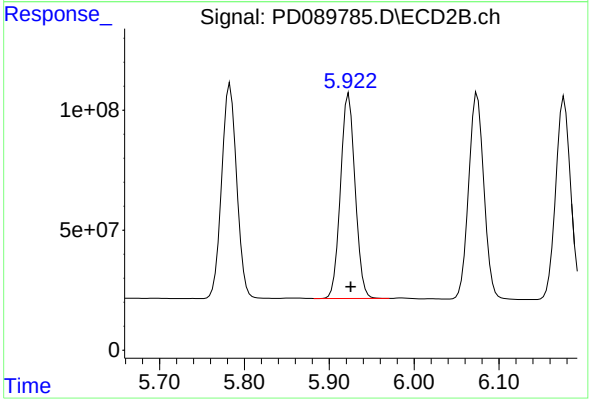
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 1071956597
Conc: 57.02 ng/ml



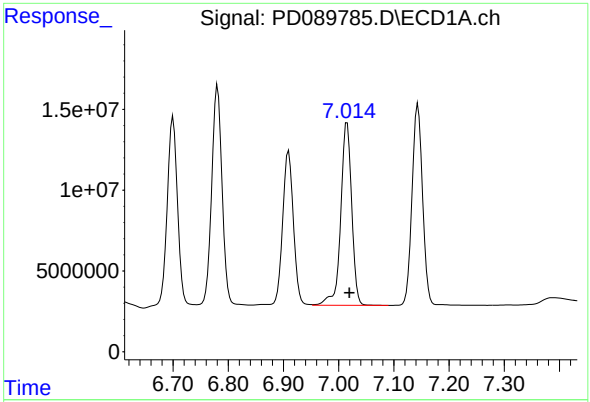
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.004 min
Response: 154369864
Conc: 51.55 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 1018333859
Conc: 57.75 ng/ml



#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 156323092
Conc: 46.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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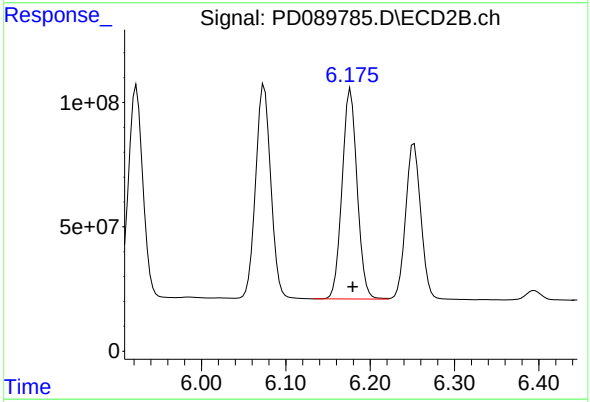
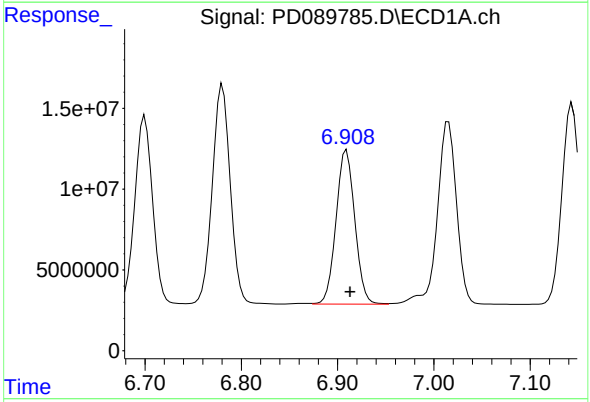


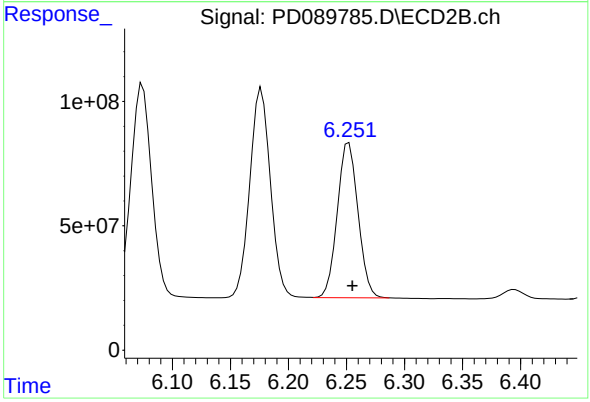
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.003 min
Response: 1048387453
Conc: 57.06 ng/ml



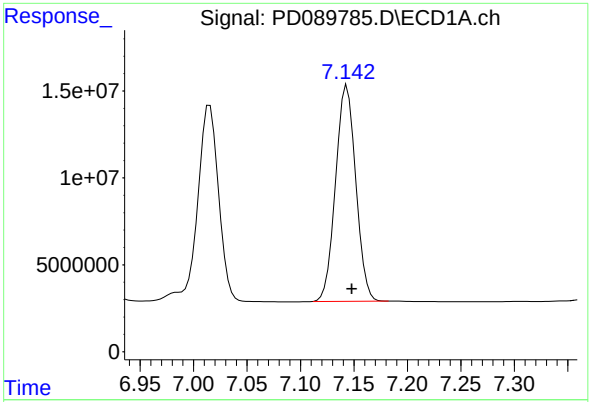
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.004 min
Response: 128631261
Conc: 51.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.004 min
Response: 774230296
Conc: 59.92 ng/ml m



#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.005 min
Response: 163687371
Conc: 47.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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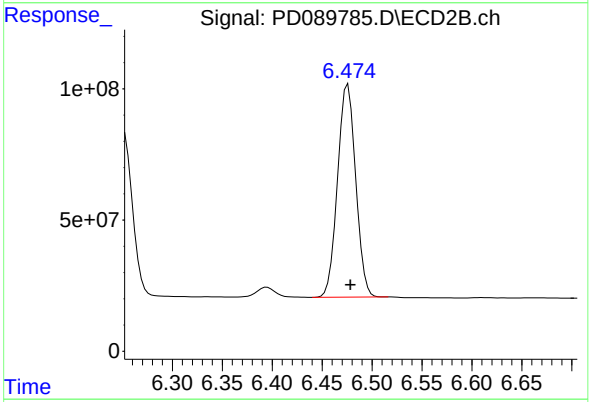
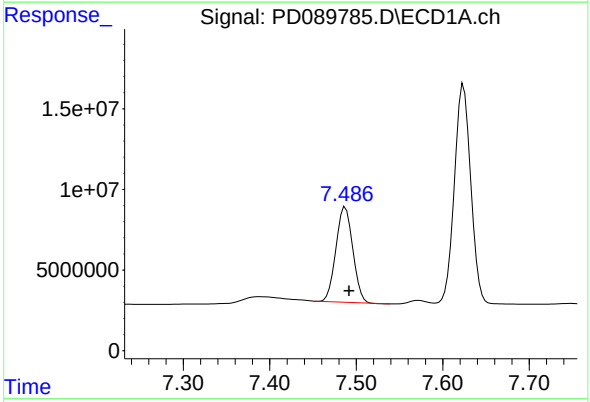


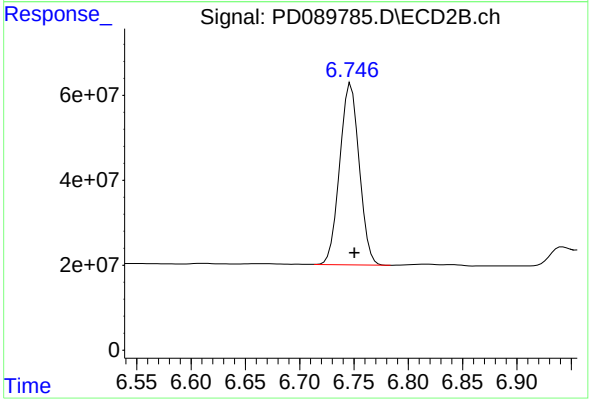
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.003 min
Response: 1026487021
Conc: 55.29 ng/ml



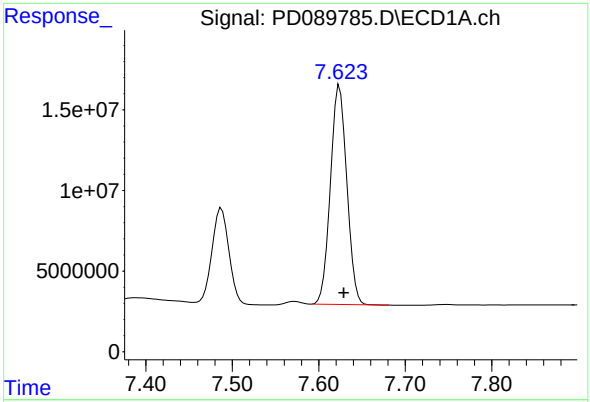
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.004 min
Response: 79288996
Conc: 44.35 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 534955223
Conc: 54.61 ng/ml



#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.005 min
Response: 178443303
Conc: 48.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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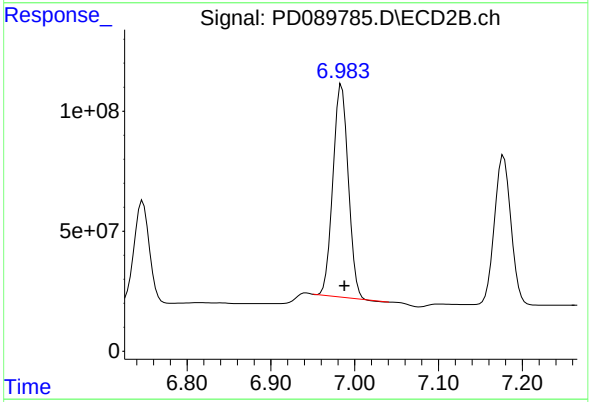
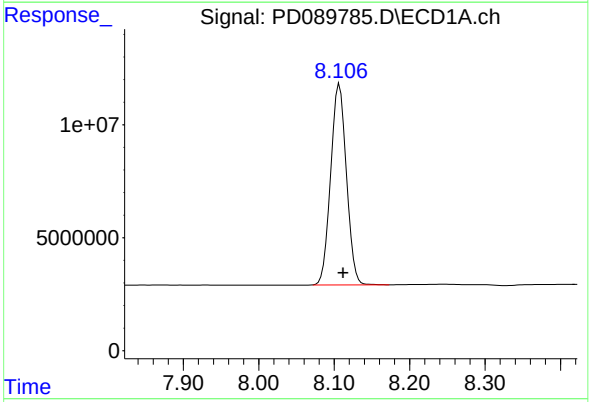


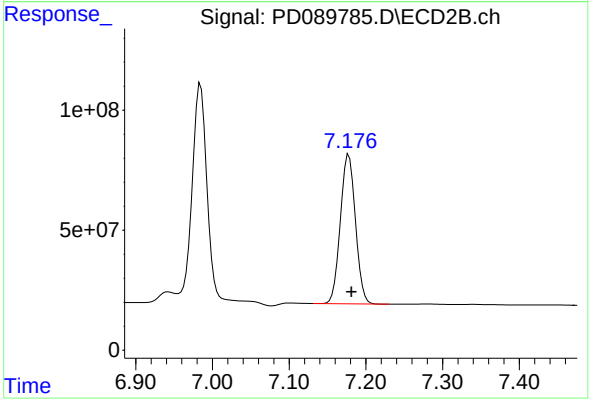
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.003 min
Response: 1121871160
Conc: 55.90 ng/ml



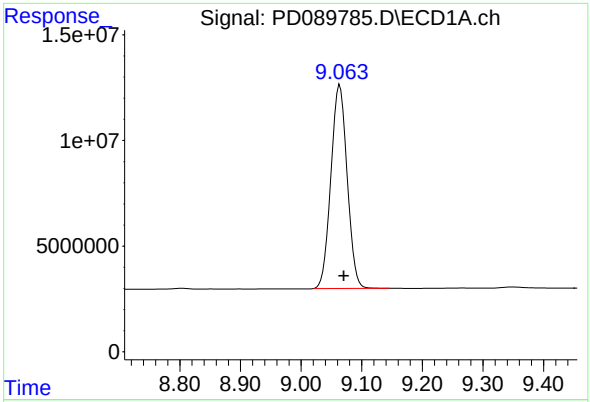
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.005 min
Response: 129190080
Conc: 46.33 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.003 min
Response: 854137573
Conc: 56.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.007 min
Response: 179360721
Conc: 48.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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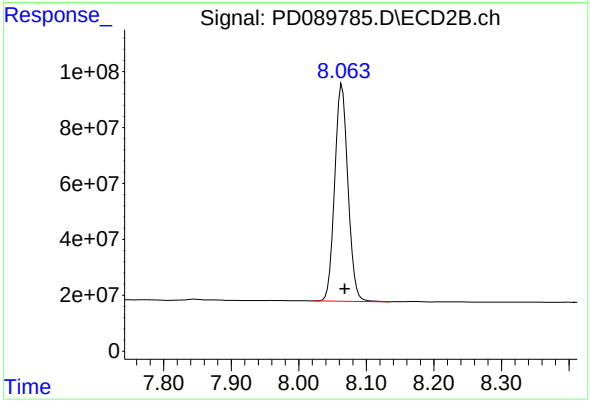
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 1060546955
Conc: 52.82 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/07/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 10:50 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
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	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/07/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 10:50 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.19	5.19	5.09	5.29	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:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089789.D **Time Analyzed:** 10:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.604	6.804	48.150	50.000	-3.7
4,4'-DDE	6.200	6.094	6.294	48.240	50.000	-3.5
4,4'-DDT	7.024	6.919	7.119	44.550	50.000	-10.9
Aldrin	5.274	5.169	5.369	49.790	50.000	-0.4
alpha-BHC	4.003	3.897	4.097	51.270	50.000	2.5
alpha-Chlordane	6.030	5.925	6.125	48.160	50.000	-3.7
beta-BHC	4.520	4.414	4.614	50.010	50.000	0.0
Decachlorobiphenyl	9.074	8.971	9.171	46.270	50.000	-7.5
delta-BHC	4.769	4.663	4.863	50.440	50.000	0.9
Dieldrin	6.350	6.245	6.445	47.830	50.000	-4.3
Endosulfan I	6.078	5.972	6.172	47.760	50.000	-4.5
Endosulfan II	6.789	6.684	6.884	46.170	50.000	-7.7
Endosulfan sulfate	7.153	7.048	7.248	45.280	50.000	-9.4
Endrin	6.578	6.472	6.672	43.700	50.000	-12.6
Endrin aldehyde	6.918	6.813	7.013	49.060	50.000	-1.9
Endrin ketone	7.633	7.529	7.729	45.820	50.000	-8.4
gamma-BHC (Lindane)	4.334	4.228	4.428	50.560	50.000	1.1
gamma-Chlordane	5.949	5.844	6.044	48.600	50.000	-2.8
Heptachlor	4.933	4.827	5.027	48.900	50.000	-2.2
Heptachlor epoxide	5.694	5.589	5.789	48.370	50.000	-3.3
Methoxychlor	7.496	7.392	7.592	42.530	50.000	-14.9
Tetrachloro-m-xylene	3.554	3.448	3.648	49.400	50.000	-1.2

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089789.D **Time Analyzed:** 10:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.825	6.025	57.810	50.000	15.6
4,4'-DDE	5.371	5.271	5.471	57.150	50.000	14.3
4,4'-DDT	6.179	6.079	6.279	56.330	50.000	12.7
Aldrin	4.364	4.265	4.465	57.240	50.000	14.5
alpha-BHC	3.389	3.290	3.490	57.100	50.000	14.2
alpha-Chlordane	5.186	5.086	5.286	57.130	50.000	14.3
beta-BHC	4.022	3.922	4.122	56.870	50.000	13.7
Decachlorobiphenyl	8.067	7.968	8.168	52.730	50.000	5.5
delta-BHC	4.258	4.159	4.359	57.190	50.000	14.4
Dieldrin	5.508	5.409	5.609	56.720	50.000	13.4
Endosulfan I	5.243	5.143	5.343	55.690	50.000	11.4
Endosulfan II	6.076	5.977	6.177	56.100	50.000	12.2
Endosulfan sulfate	6.478	6.378	6.578	54.620	50.000	9.2
Endrin	5.785	5.685	5.885	51.710	50.000	3.4
Endrin aldehyde	6.254	6.155	6.355	59.240	50.000	18.5
Endrin ketone	6.987	6.888	7.088	56.750	50.000	13.5
gamma-BHC (Lindane)	3.726	3.626	3.826	57.070	50.000	14.1
gamma-Chlordane	5.121	5.022	5.222	57.290	50.000	14.6
Heptachlor	4.079	3.979	4.179	55.230	50.000	10.5
Heptachlor epoxide	4.868	4.769	4.969	56.240	50.000	12.5
Methoxychlor	6.750	6.650	6.850	53.080	50.000	6.2
Tetrachloro-m-xylene	2.877	2.778	2.978	56.320	50.000	12.6

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089789.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 10:50
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: Aug 07 23:14:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial 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...	3.554	2.877	121.9E6	891.9E6	49.405	56.316	
28)	SA Decachlor...	9.074	8.067	171.9E6	1058.7E6	46.269	52.729	
	Target Compounds							
2)	A alpha-BHC	4.003	3.389	254.0E6	1387.8E6	51.274	57.101	
3)	MA gamma-BHC...	4.334	3.726	240.3E6	1285.4E6	50.561	57.068	
4)	MA Heptachlor	4.933	4.079	235.3E6	1281.9E6	48.898	55.233	
5)	MB Aldrin	5.274	4.364	227.3E6	1273.6E6	49.793	57.240	
6)	B beta-BHC	4.520	4.022	92254414	548.7E6	50.011	56.870	
7)	B delta-BHC	4.769	4.258	231.3E6	1299.2E6	50.439	57.195	
8)	B Heptachlo...	5.694	4.868	202.2E6	1155.8E6	48.366	56.244	
9)	A Endosulfan I	6.078	5.243	189.3E6	1088.6E6	47.759	55.686	
10)	B gamma-Chl...	5.949	5.121	203.1E6	1240.5E6	48.605	57.291	
11)	B alpha-Chl...	6.030	5.186	202.5E6	1189.5E6	48.162	57.127	
12)	B 4,4'-DDE	6.200	5.371	179.9E6	1208.0E6	48.239	57.151	
13)	MA Dieldrin	6.350	5.508	202.0E6	1227.3E6	47.830	56.717	
14)	MA Endrin	6.578	5.785	156.4E6	1030.4E6	43.701	51.713	
15)	B Endosulfa...	6.789	6.076	169.4E6	1054.6E6	46.168	56.098	
16)	A 4,4'-DDD	6.709	5.925	144.2E6	1019.4E6	48.155	57.815	
17)	MA 4,4'-DDT	7.024	6.179	149.7E6	1035.0E6	44.552	56.331	#
18)	B Endrin al...	6.918	6.254	122.4E6	765.4E6	49.064	59.242	
19)	B Endosulfa...	7.153	6.478	157.1E6	1014.1E6	45.282	54.623	
20)	A Methoxychlor	7.496	6.750	76039142	520.0E6	42.528	53.085	
21)	B Endrin ke...	7.633	6.987	170.2E6	1138.9E6	45.820	56.750	
22)	Mirex	8.115	7.181	124.5E6	857.9E6	44.641	56.360	#

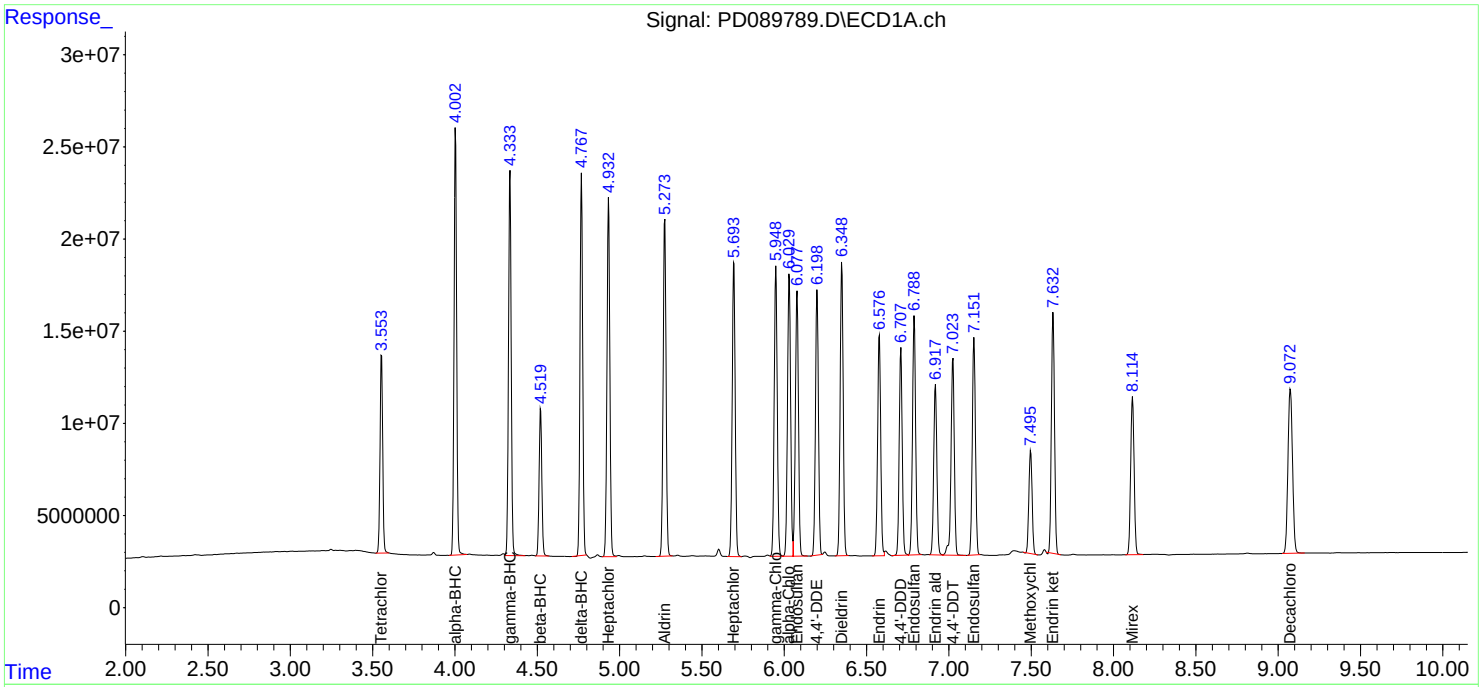
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

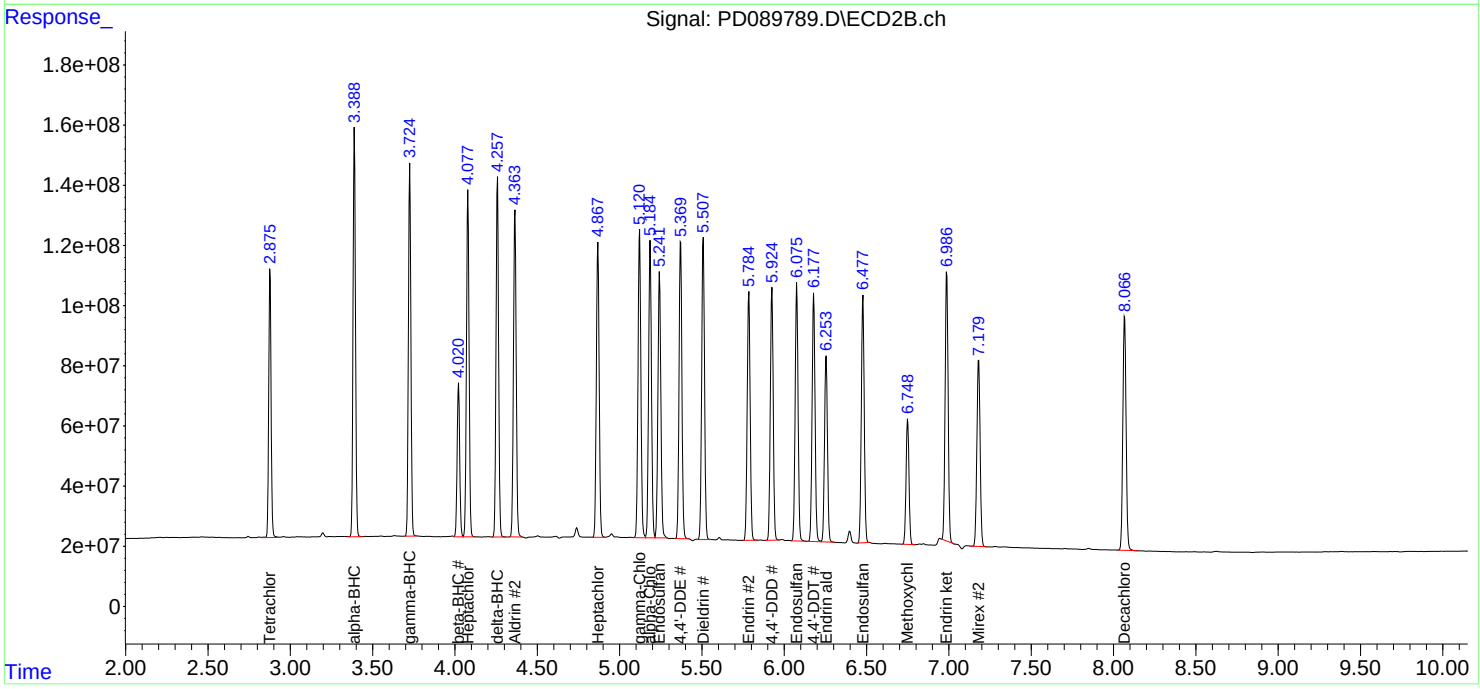
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089789.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 10:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

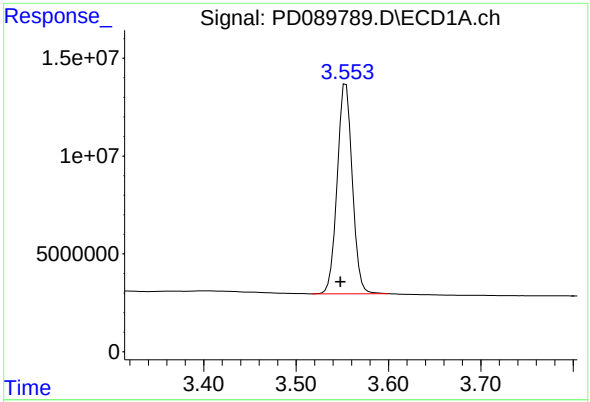
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial 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



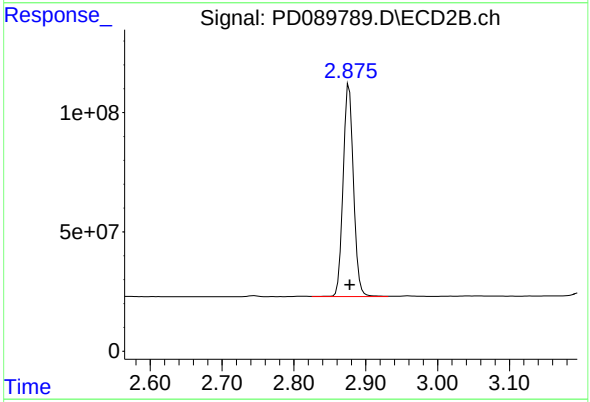




#1 Tetrachloro-m-xylene

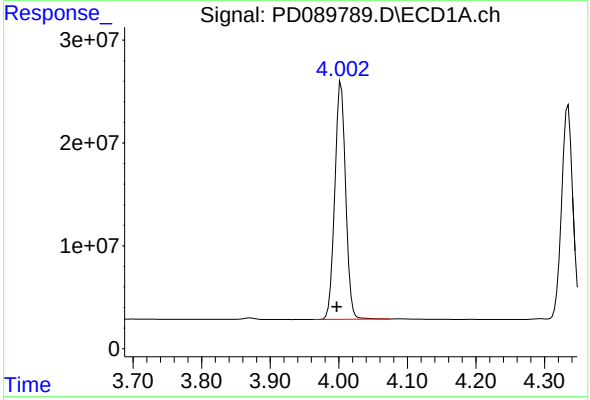
R.T.: 3.554 min
Delta R.T.: 0.006 min
Response: 121861461
Conc: 49.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



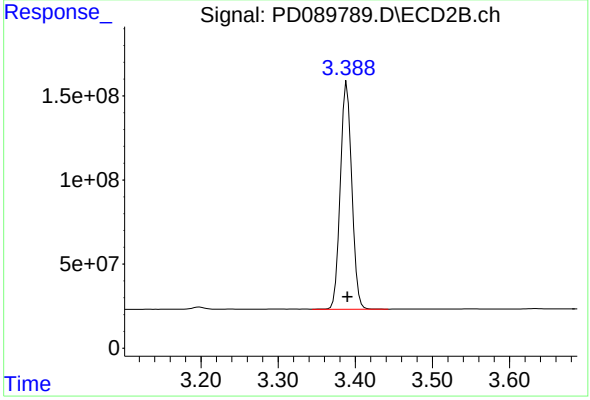
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 891927131
Conc: 56.32 ng/ml



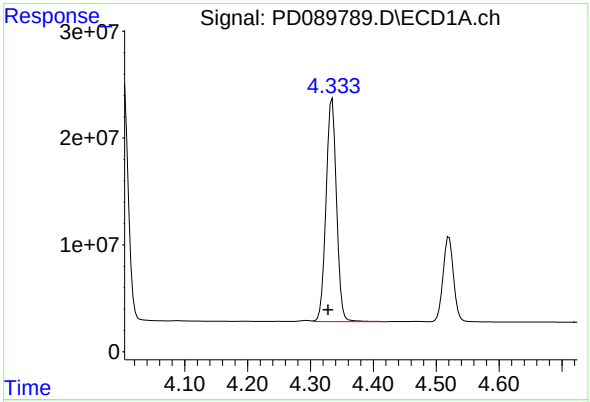
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.006 min
Response: 253986064
Conc: 51.27 ng/ml



#2 alpha-BHC

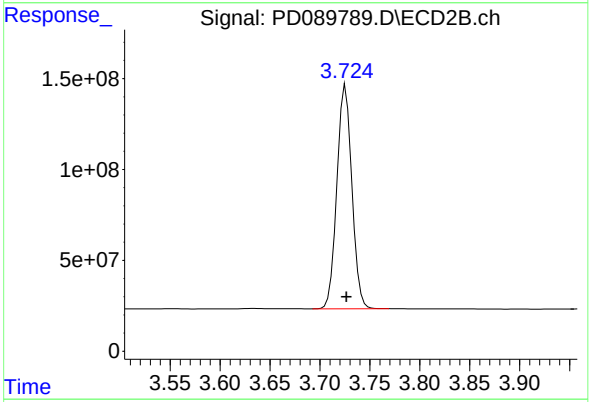
R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1387840741
Conc: 57.10 ng/ml



#3 gamma-BHC (Lindane)

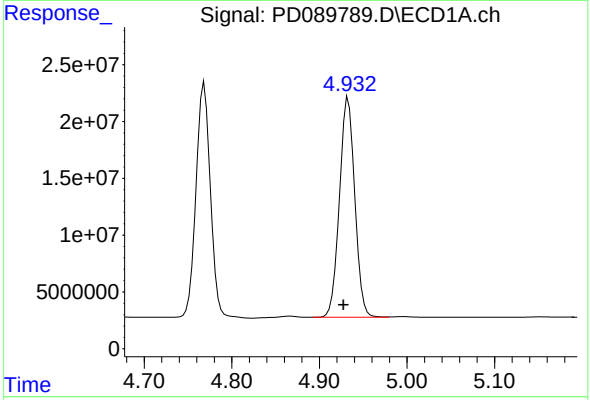
R.T.: 4.334 min
Delta R.T.: 0.006 min
Response: 240283914
Conc: 50.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



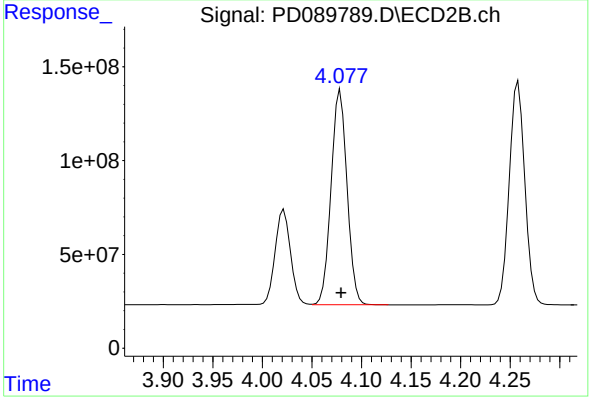
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1285407139
Conc: 57.07 ng/ml



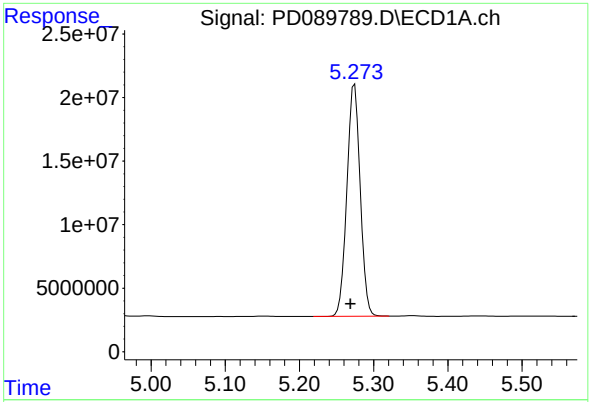
#4 Heptachlor

R.T.: 4.933 min
Delta R.T.: 0.005 min
Response: 235272571
Conc: 48.90 ng/ml



#4 Heptachlor

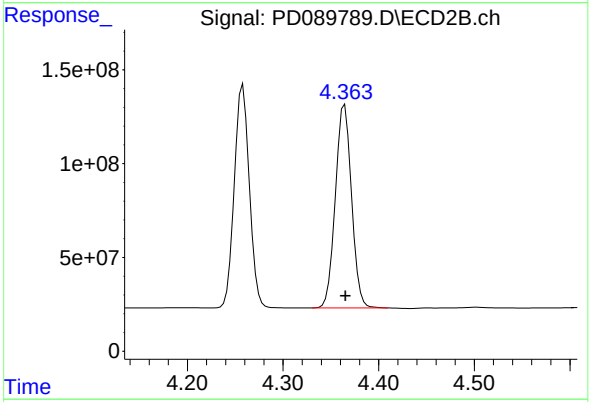
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1281911115
Conc: 55.23 ng/ml



#5 Aldrin

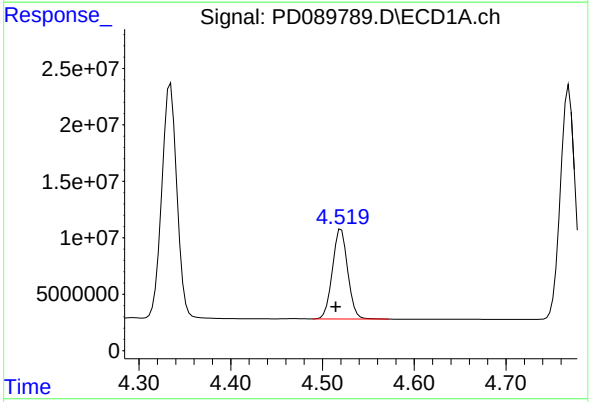
R.T.: 5.274 min
Delta R.T.: 0.006 min
Response: 227302319
Conc: 49.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



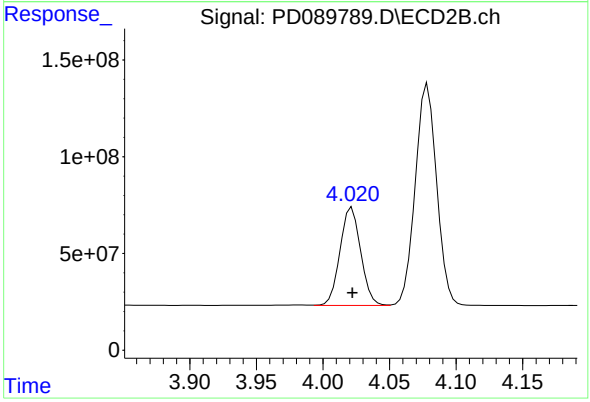
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1273639068
Conc: 57.24 ng/ml



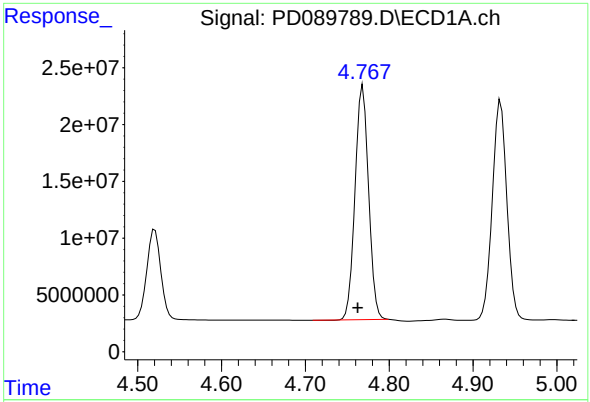
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.006 min
Response: 92254414
Conc: 50.01 ng/ml



#6 beta-BHC

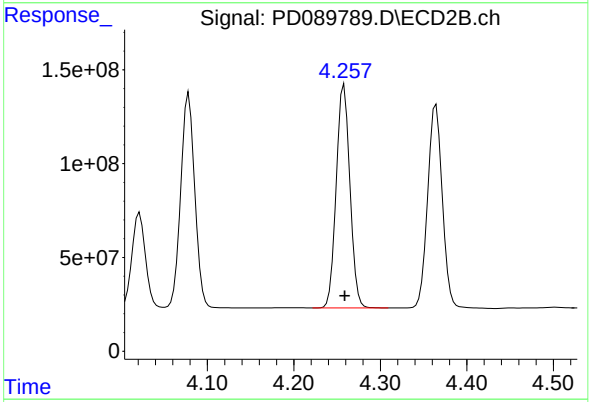
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 548740057
Conc: 56.87 ng/ml



#7 delta-BHC

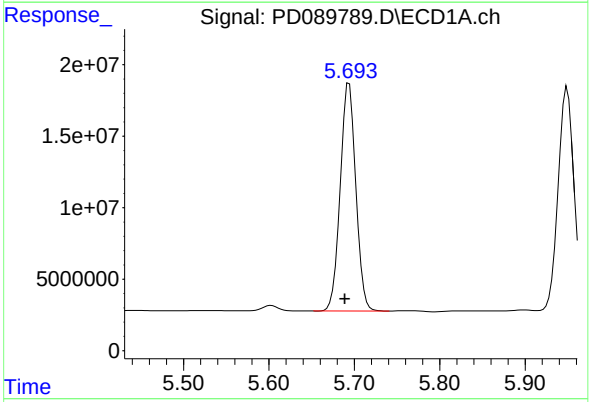
R.T.: 4.769 min
Delta R.T.: 0.006 min
Response: 231322587
Conc: 50.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



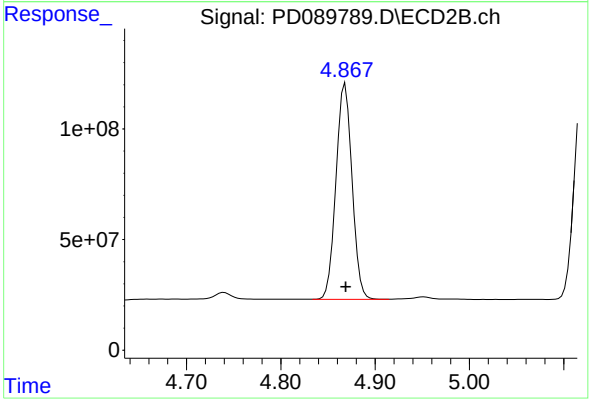
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1299181696
Conc: 57.19 ng/ml



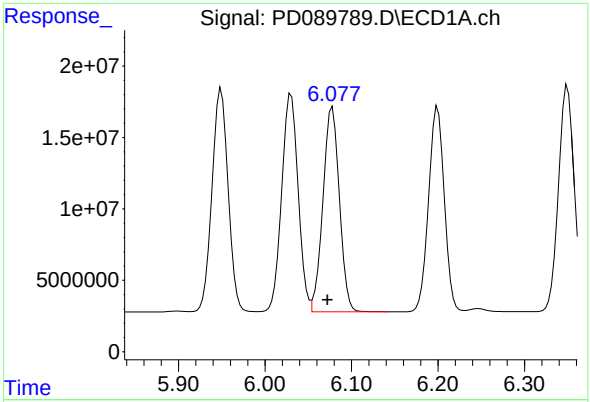
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.005 min
Response: 202205428
Conc: 48.37 ng/ml



#8 Heptachlor epoxide

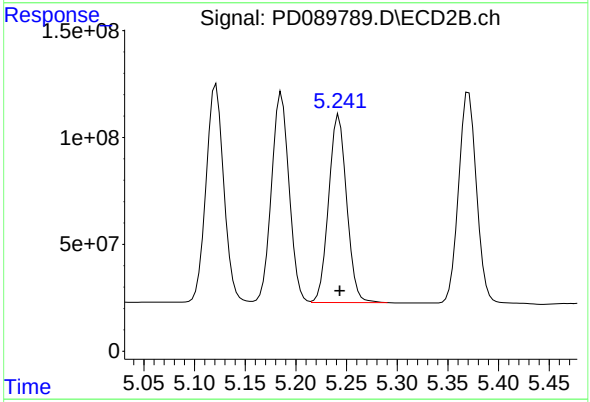
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1155806556
Conc: 56.24 ng/ml



#9 Endosulfan I

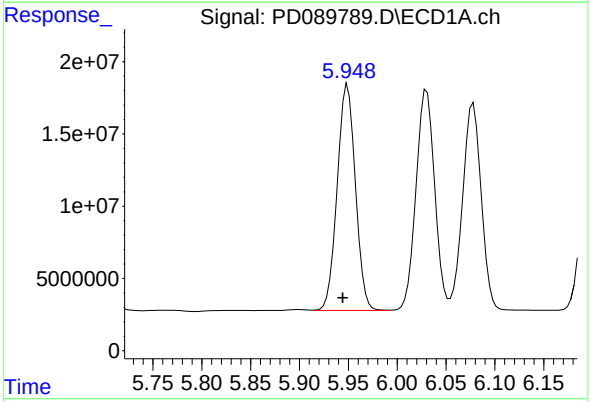
R.T.: 6.078 min
Delta R.T.: 0.006 min
Response: 189297601
Conc: 47.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



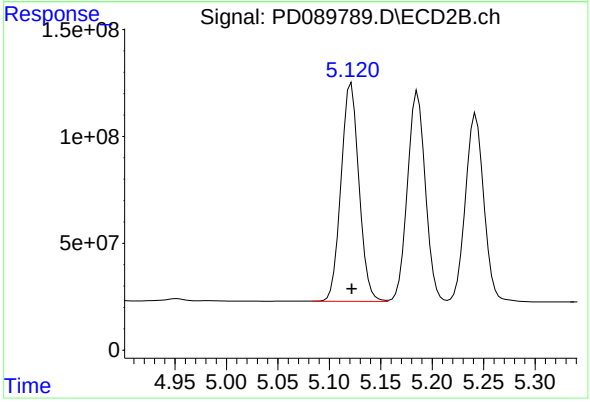
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1088568938
Conc: 55.69 ng/ml



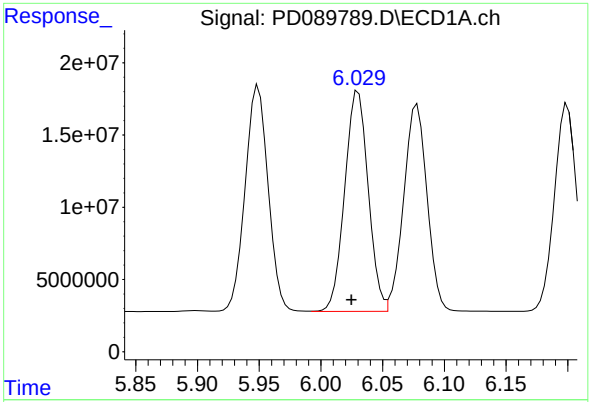
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.005 min
Response: 203122834
Conc: 48.60 ng/ml



#10 gamma-Chlordane

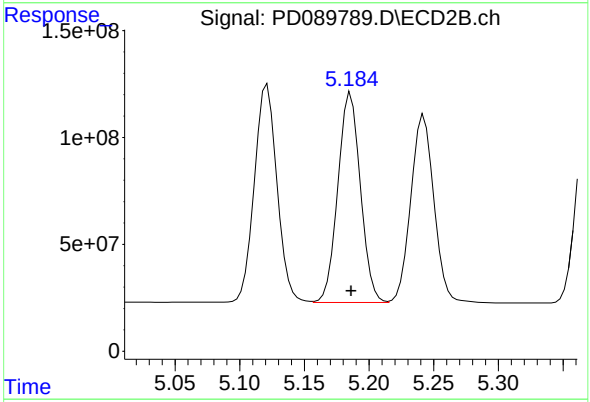
R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1240538892
Conc: 57.29 ng/ml



#11 alpha-Chlordane

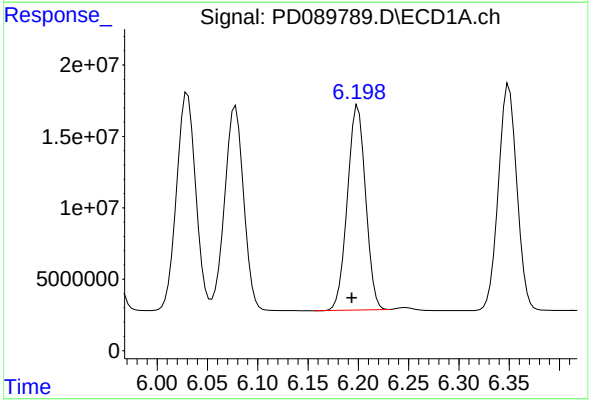
R.T.: 6.030 min
Delta R.T.: 0.005 min
Response: 202480773
Conc: 48.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



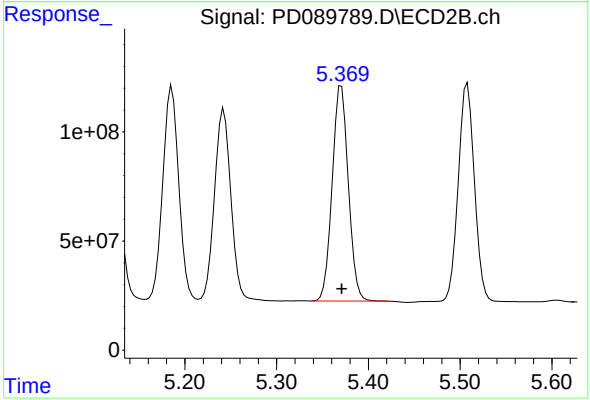
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1189495527
Conc: 57.13 ng/ml



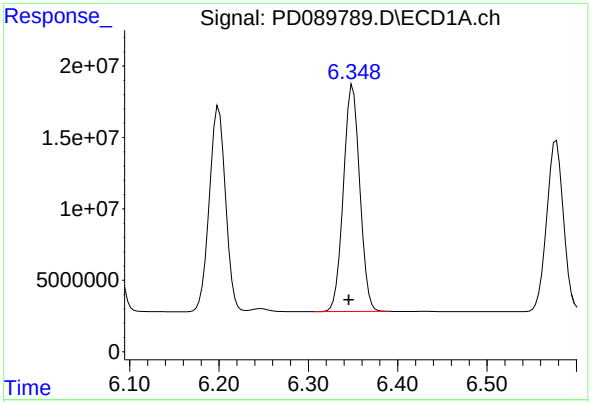
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.006 min
Response: 179918388
Conc: 48.24 ng/ml



#12 4,4'-DDE

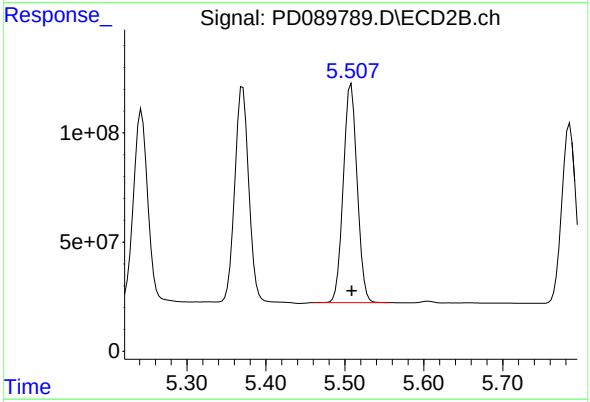
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1208009635
Conc: 57.15 ng/ml



#13 Dieldrin

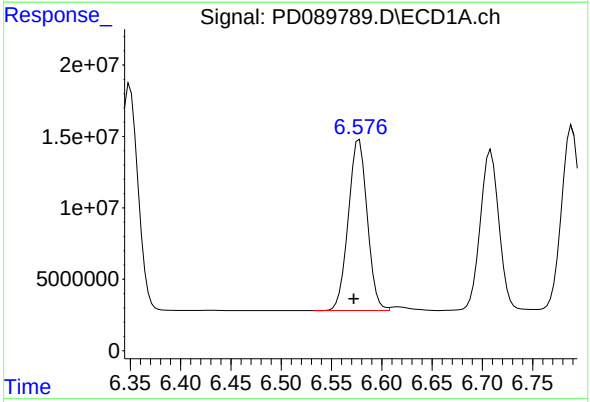
R.T.: 6.350 min
Delta R.T.: 0.005 min
Response: 202005593
Conc: 47.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



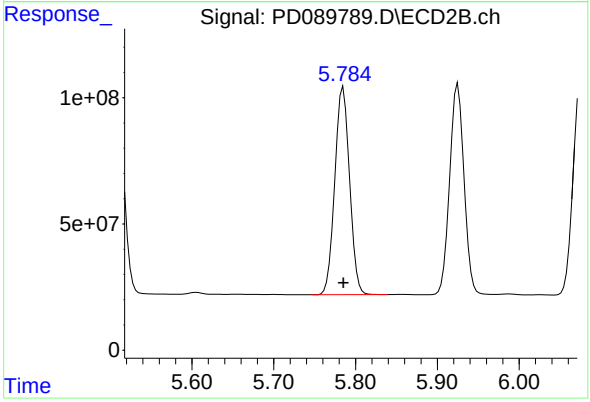
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1227294627
Conc: 56.72 ng/ml



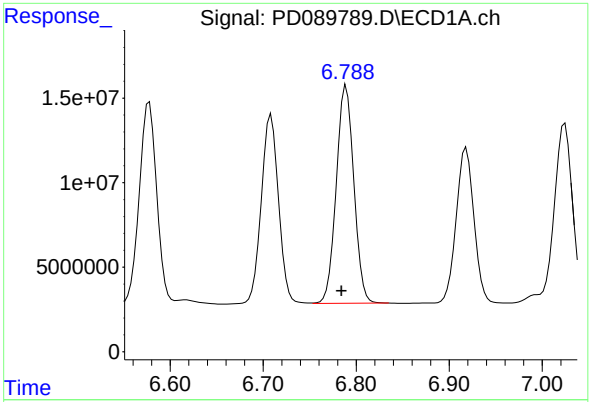
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.005 min
Response: 156351723
Conc: 43.70 ng/ml



#14 Endrin

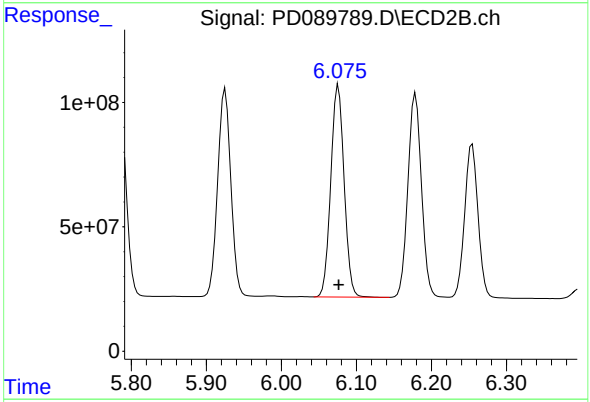
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1030392738
Conc: 51.71 ng/ml



#15 Endosulfan II

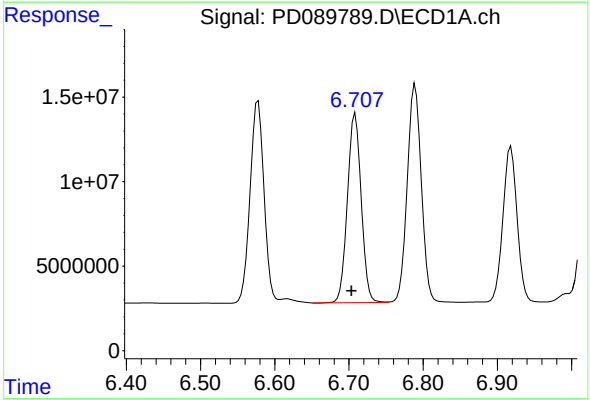
R.T.: 6.789 min
Delta R.T.: 0.005 min
Response: 169406476
Conc: 46.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



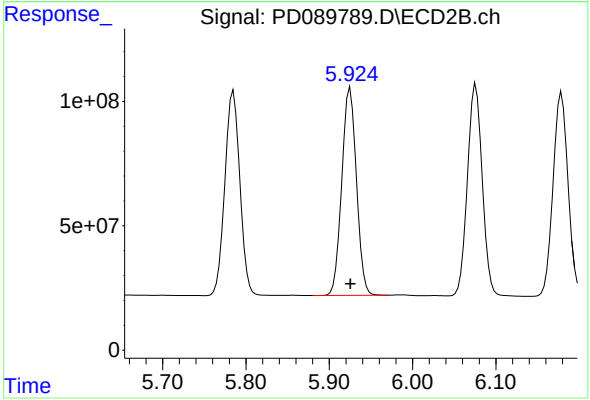
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1054617917
Conc: 56.10 ng/ml



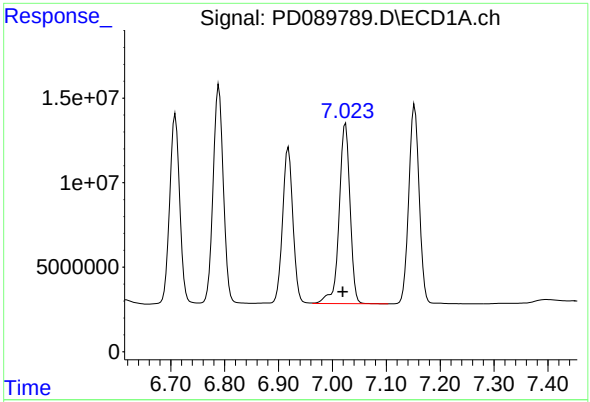
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.005 min
Response: 144215069
Conc: 48.15 ng/ml



#16 4,4'-DDD

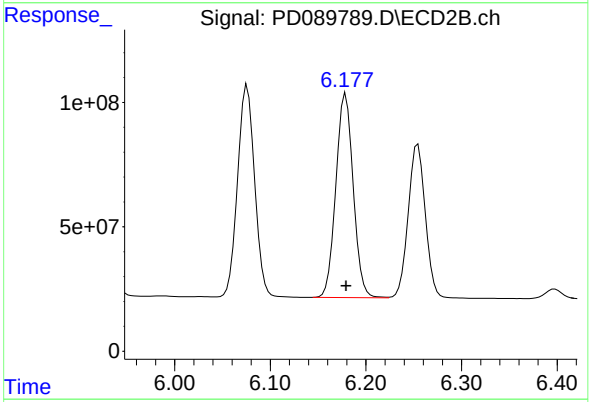
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 1019425423
Conc: 57.81 ng/ml



#17 4,4'-DDT

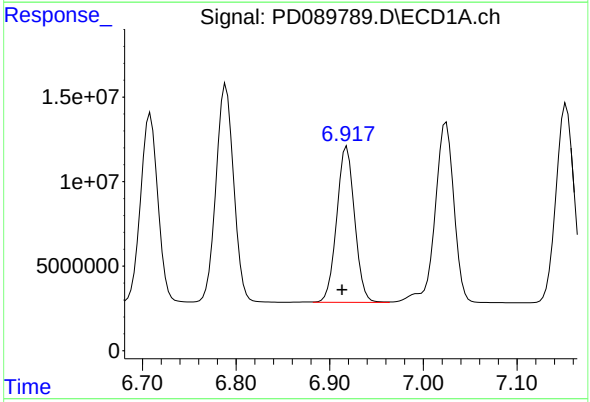
R.T.: 7.024 min
Delta R.T.: 0.005 min
Response: 149705487
Conc: 44.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



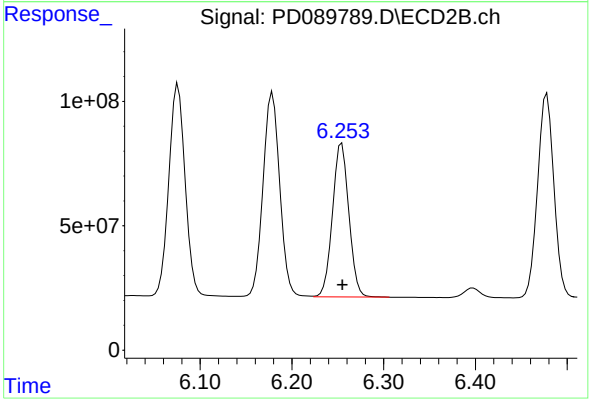
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1034950032
Conc: 56.33 ng/ml



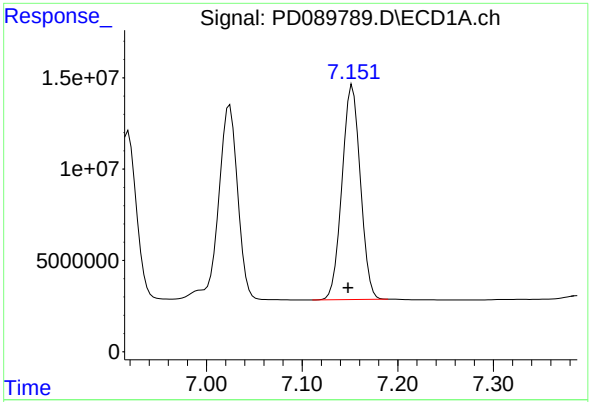
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.005 min
Response: 122442916
Conc: 49.06 ng/ml



#18 Endrin aldehyde

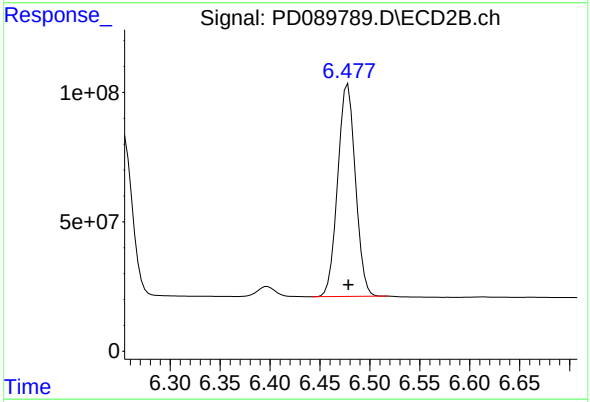
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 765426806
Conc: 59.24 ng/ml



#19 Endosulfan Sulfate

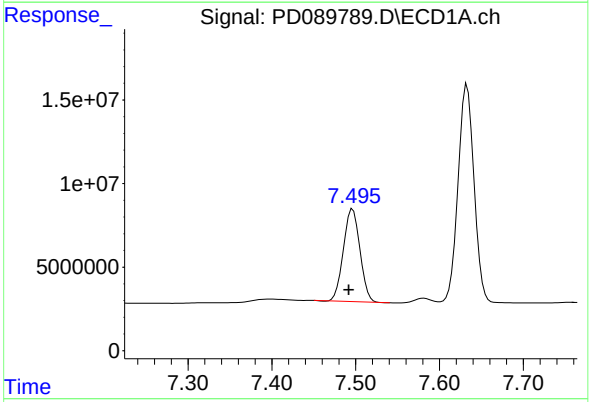
R.T.: 7.153 min
Delta R.T.: 0.005 min
Response: 157129651
Conc: 45.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



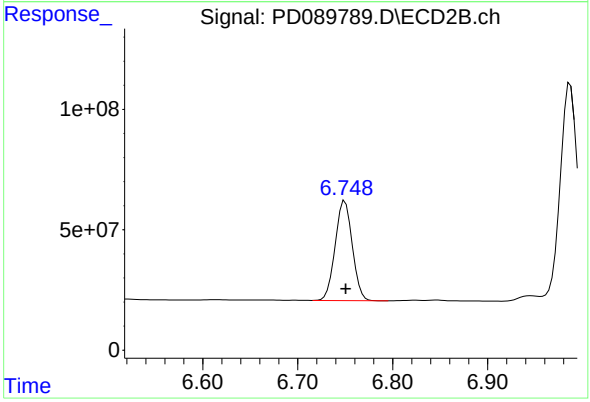
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1014100054
Conc: 54.62 ng/ml



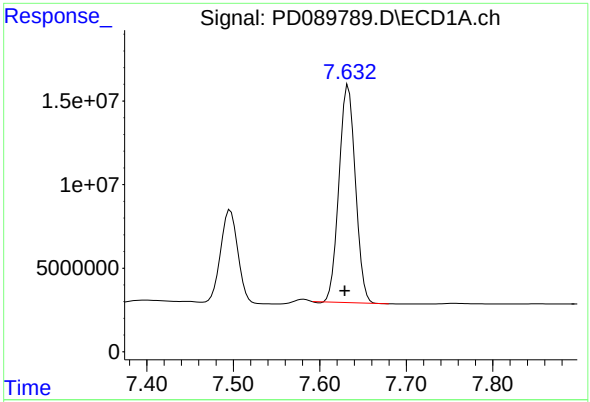
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.005 min
Response: 76039142
Conc: 42.53 ng/ml



#20 Methoxychlor

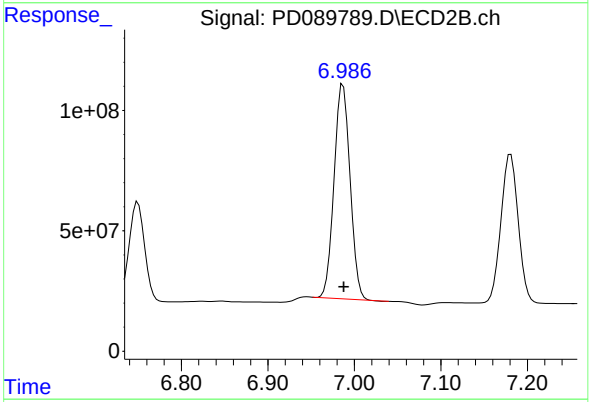
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 519993637
Conc: 53.08 ng/ml



#21 Endrin ketone

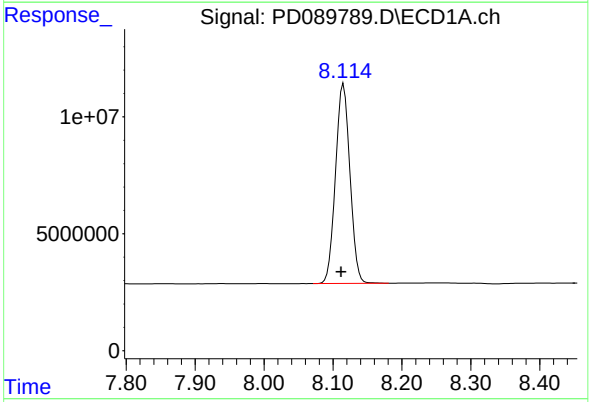
R.T.: 7.633 min
Delta R.T.: 0.004 min
Response: 170183250
Conc: 45.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



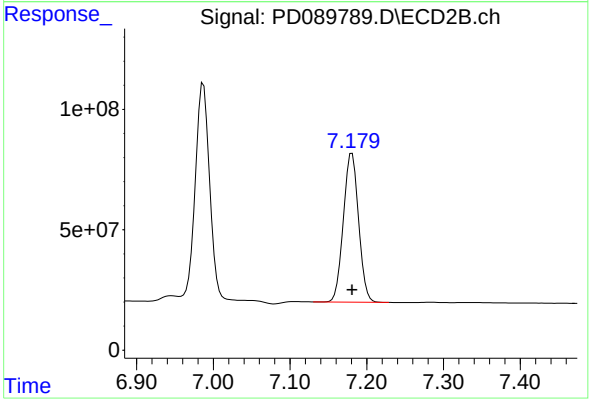
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1138871487
Conc: 56.75 ng/ml



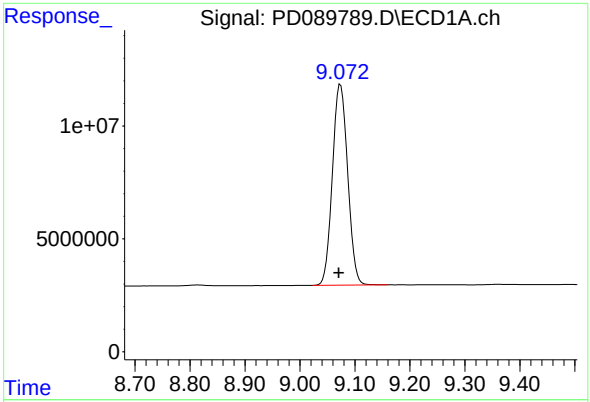
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.003 min
Response: 124472222
Conc: 44.64 ng/ml



#22 Mirex

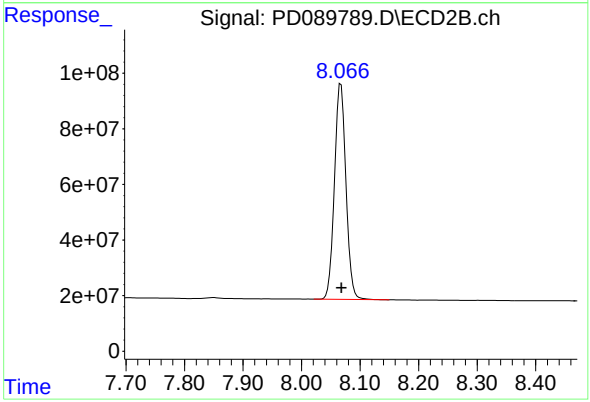
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 857867410
Conc: 56.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.003 min
Response: 171947360
Conc: 46.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 1058689485
Conc: 52.73 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/07/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 11:44 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	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	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
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	6.03	5.93	6.13	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/07/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 11:44 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.19	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089793.D **Time Analyzed:** 11:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.604	6.804	48.010	50.000	-4.0
4,4'-DDE	6.191	6.094	6.294	47.700	50.000	-4.6
4,4'-DDT	7.016	6.919	7.119	44.400	50.000	-11.2
Aldrin	5.266	5.169	5.369	49.540	50.000	-0.9
alpha-BHC	3.996	3.897	4.097	51.180	50.000	2.4
alpha-Chlordane	6.022	5.925	6.125	47.850	50.000	-4.3
beta-BHC	4.513	4.414	4.614	49.960	50.000	-0.1
Decachlorobiphenyl	9.065	8.971	9.171	45.970	50.000	-8.1
delta-BHC	4.761	4.663	4.863	51.510	50.000	3.0
Dieldrin	6.342	6.245	6.445	47.300	50.000	-5.4
Endosulfan I	6.070	5.972	6.172	47.480	50.000	-5.0
Endosulfan II	6.781	6.684	6.884	46.190	50.000	-7.6
Endosulfan sulfate	7.145	7.048	7.248	45.220	50.000	-9.6
Endrin	6.569	6.472	6.672	43.680	50.000	-12.6
Endrin aldehyde	6.910	6.813	7.013	48.580	50.000	-2.8
Endrin ketone	7.625	7.529	7.729	46.120	50.000	-7.8
gamma-BHC (Lindane)	4.327	4.228	4.428	50.440	50.000	0.9
gamma-Chlordane	5.941	5.844	6.044	48.340	50.000	-3.3
Heptachlor	4.925	4.827	5.027	48.390	50.000	-3.2
Heptachlor epoxide	5.687	5.589	5.789	48.690	50.000	-2.6
Methoxychlor	7.488	7.392	7.592	42.590	50.000	-14.8
Tetrachloro-m-xylene	3.547	3.448	3.648	49.610	50.000	-0.8

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089793.D **Time Analyzed:** 11:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.924	5.825	6.025	57.470	50.000	14.9
4,4'-DDE	5.369	5.271	5.471	56.740	50.000	13.5
4,4'-DDT	6.177	6.079	6.279	55.550	50.000	11.1
Aldrin	4.363	4.265	4.465	57.220	50.000	14.4
alpha-BHC	3.389	3.290	3.490	57.140	50.000	14.3
alpha-Chlordane	5.185	5.086	5.286	56.660	50.000	13.3
beta-BHC	4.021	3.922	4.122	57.020	50.000	14.0
Decachlorobiphenyl	8.064	7.968	8.168	52.050	50.000	4.1
delta-BHC	4.257	4.159	4.359	57.480	50.000	15.0
Dieldrin	5.507	5.409	5.609	56.360	50.000	12.7
Endosulfan I	5.241	5.143	5.343	55.180	50.000	10.4
Endosulfan II	6.075	5.977	6.177	55.660	50.000	11.3
Endosulfan sulfate	6.476	6.378	6.578	54.240	50.000	8.5
Endrin	5.783	5.685	5.885	52.180	50.000	4.4
Endrin aldehyde	6.253	6.155	6.355	58.170	50.000	16.3
Endrin ketone	6.985	6.888	7.088	56.030	50.000	12.1
gamma-BHC (Lindane)	3.725	3.626	3.826	57.180	50.000	14.4
gamma-Chlordane	5.120	5.022	5.222	56.850	50.000	13.7
Heptachlor	4.078	3.979	4.179	55.450	50.000	10.9
Heptachlor epoxide	4.867	4.769	4.969	56.140	50.000	12.3
Methoxychlor	6.748	6.650	6.850	53.060	50.000	6.1
Tetrachloro-m-xylene	2.877	2.778	2.978	56.400	50.000	12.8

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089793.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:44
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: Aug 07 23:15:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.877	122.4E6	893.3E6	49.608	56.404
28)	SA Decachlor...	9.065	8.064	170.8E6	1045.0E6	45.968	52.048
	Target Compounds						
2)	A alpha-BHC	3.996	3.389	253.5E6	1388.9E6	51.183	57.144
3)	MA gamma-BHC...	4.327	3.725	239.7E6	1287.9E6	50.442	57.178
4)	MA Heptachlor	4.925	4.078	232.8E6	1287.0E6	48.394	55.454
5)	MB Aldrin	5.266	4.363	226.2E6	1273.3E6	49.542	57.224
6)	B beta-BHC	4.513	4.021	92159955	550.2E6	49.960	57.018
7)	B delta-BHC	4.761	4.257	236.2E6	1305.6E6	51.506	57.475
8)	B Heptachlo...	5.687	4.867	203.5E6	1153.6E6	48.686	56.137
9)	A Endosulfan I	6.070	5.241	188.2E6	1078.7E6	47.480	55.183
10)	B gamma-Chl...	5.941	5.120	202.0E6	1231.1E6	48.342	56.855
11)	B alpha-Chl...	6.022	5.185	201.2E6	1179.7E6	47.850	56.657
12)	B 4,4'-DDE	6.191	5.369	177.9E6	1199.4E6	47.702	56.745
13)	MA Dieldrin	6.342	5.507	199.8E6	1219.7E6	47.300	56.365
14)	MA Endrin	6.569	5.783	156.3E6	1039.7E6	43.678	52.178
15)	B Endosulfa...	6.781	6.075	169.5E6	1046.5E6	46.188	55.664
16)	A 4,4'-DDD	6.700	5.924	143.8E6	1013.3E6	48.005	57.470
17)	MA 4,4'-DDT	7.016	6.177	149.2E6	1020.6E6	44.396	55.548 #
18)	B Endrin al...	6.910	6.253	121.2E6	751.6E6	48.580	58.173
19)	B Endosulfa...	7.145	6.476	156.9E6	1007.0E6	45.218	54.241
20)	A Methoxychlor	7.488	6.748	76152551	519.8E6	42.592	53.063
21)	B Endrin ke...	7.625	6.985	171.3E6	1124.5E6	46.121	56.033
22)	Mirex	8.108	7.179	124.3E6	845.8E6	44.578	55.567

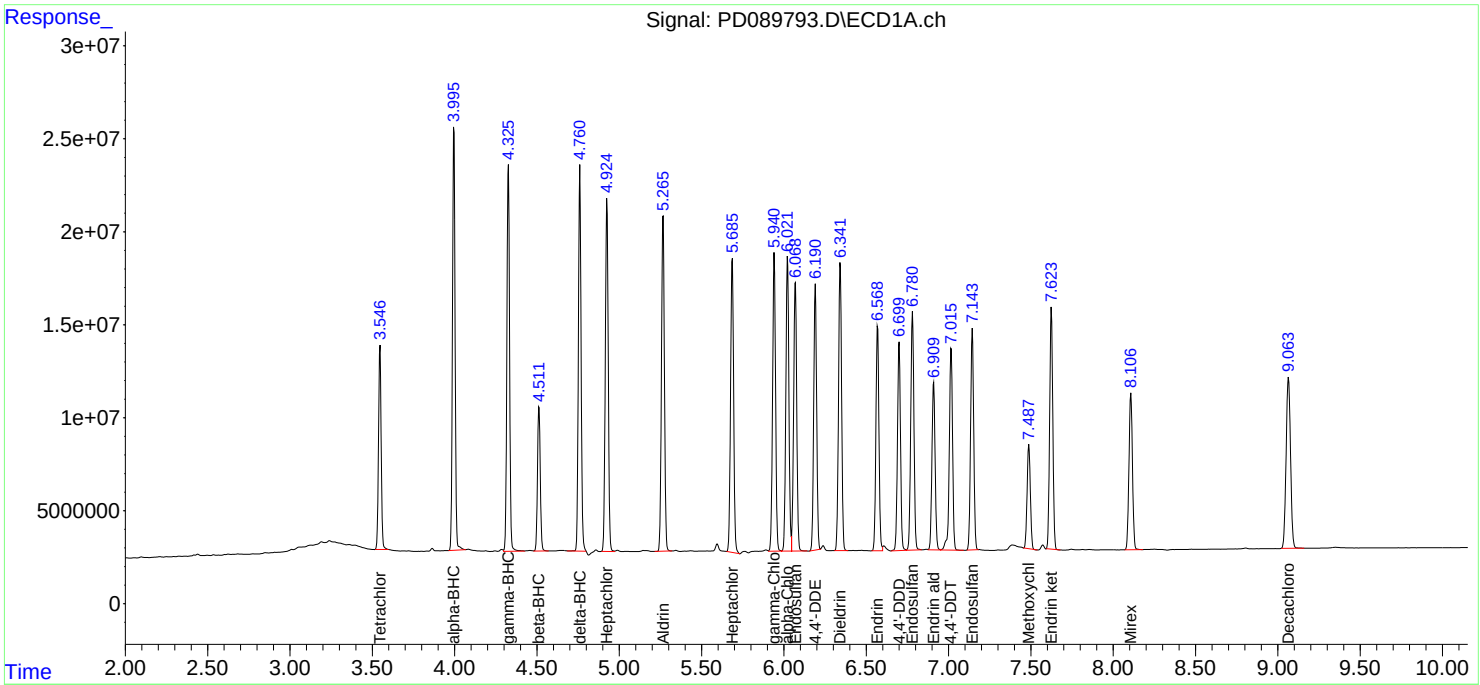
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

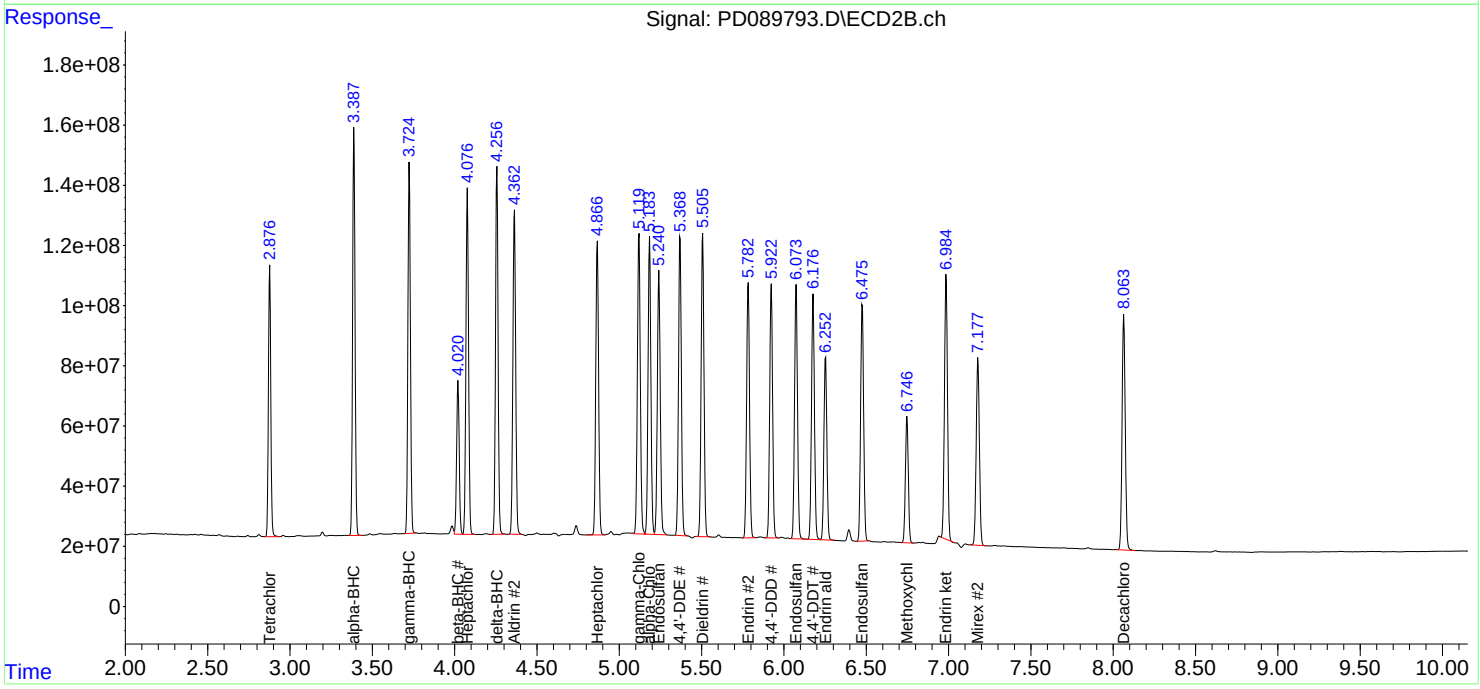
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089793.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

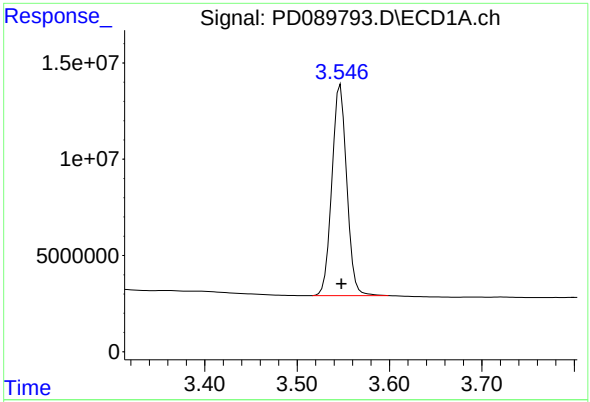
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:15:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



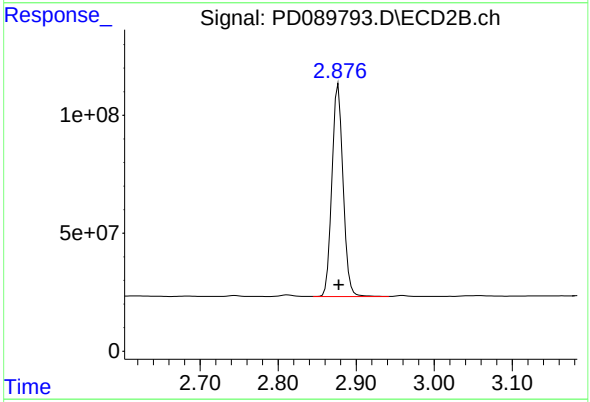




#1 Tetrachloro-m-xylene

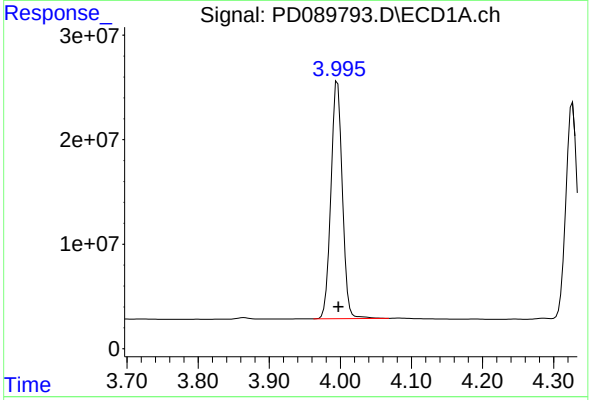
R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 122361736
Conc: 49.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



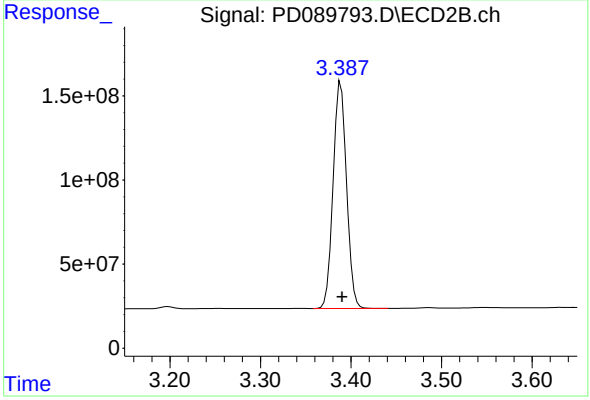
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 893322260
Conc: 56.40 ng/ml



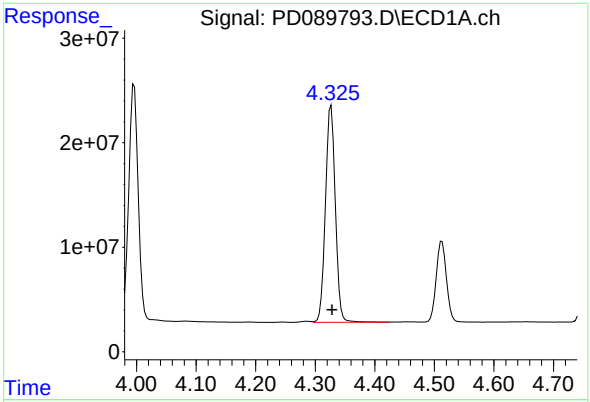
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 253536068
Conc: 51.18 ng/ml



#2 alpha-BHC

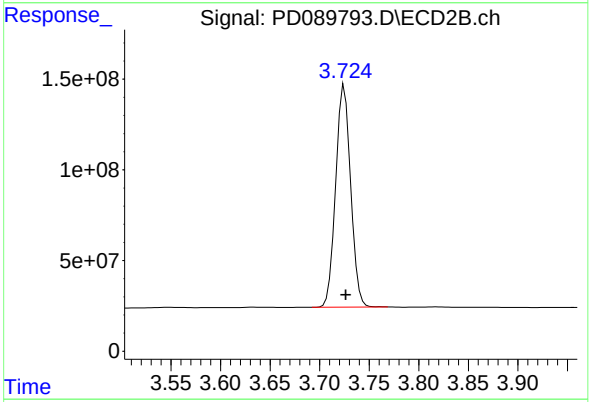
R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 1388892367
Conc: 57.14 ng/ml



#3 gamma-BHC (Lindane)

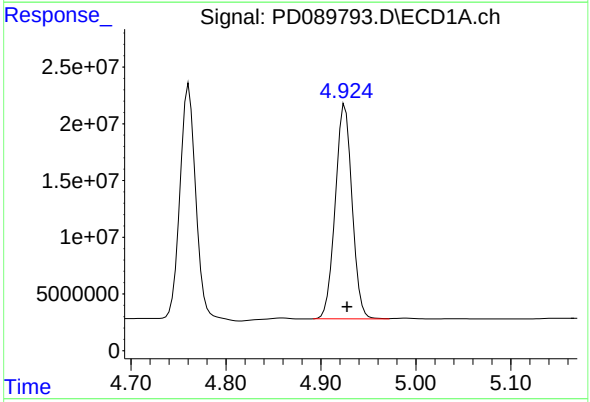
R.T.: 4.327 min
Delta R.T.: -0.002 min
Response: 239717783
Conc: 50.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



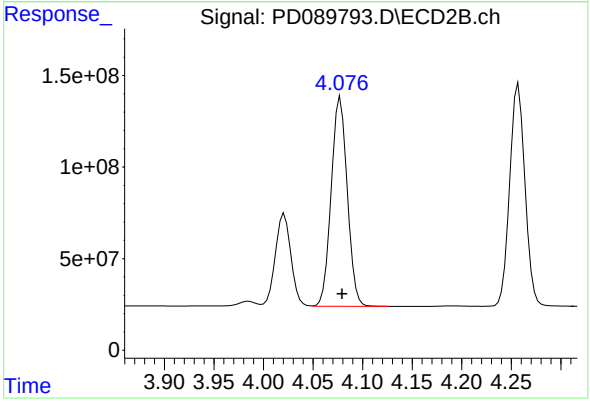
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.001 min
Response: 1287876918
Conc: 57.18 ng/ml



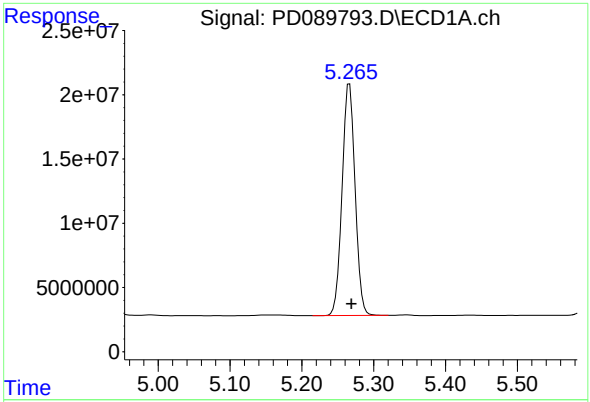
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: -0.002 min
Response: 232848235
Conc: 48.39 ng/ml



#4 Heptachlor

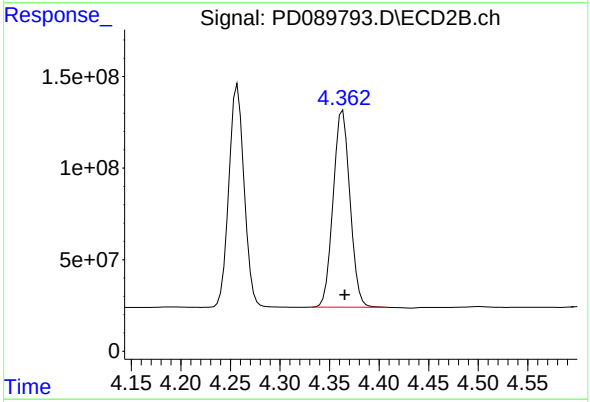
R.T.: 4.078 min
Delta R.T.: -0.002 min
Response: 1287040313
Conc: 55.45 ng/ml



#5 Aldrin

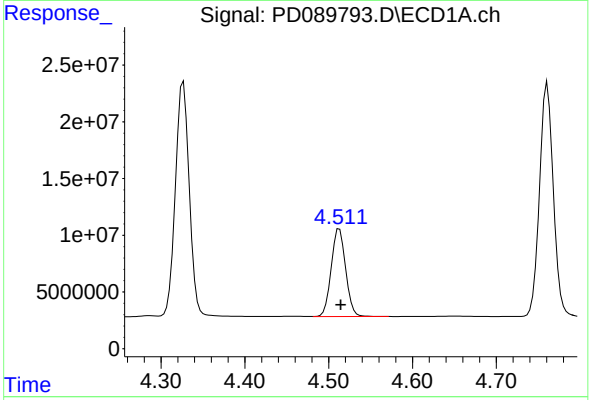
R.T.: 5.266 min
Delta R.T.: -0.003 min
Response: 226153423
Conc: 49.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



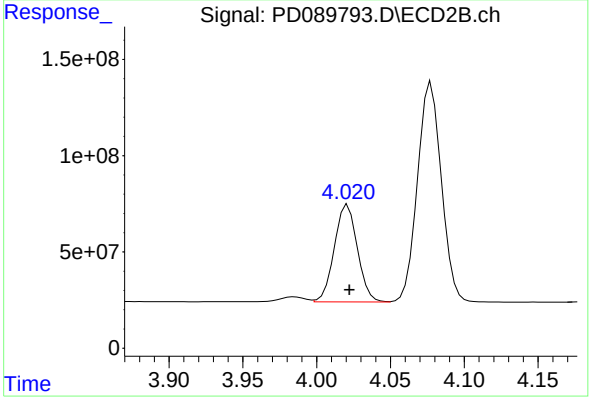
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.002 min
Response: 1273283526
Conc: 57.22 ng/ml



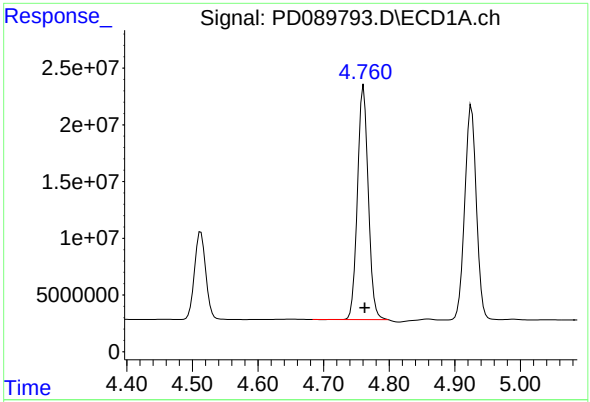
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.002 min
Response: 92159955
Conc: 49.96 ng/ml



#6 beta-BHC

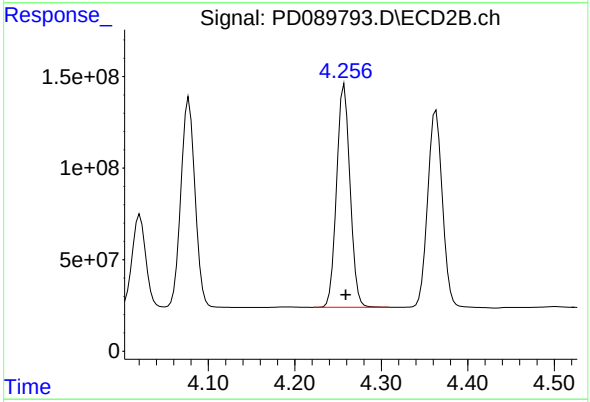
R.T.: 4.021 min
Delta R.T.: -0.001 min
Response: 550166497
Conc: 57.02 ng/ml



#7 delta-BHC

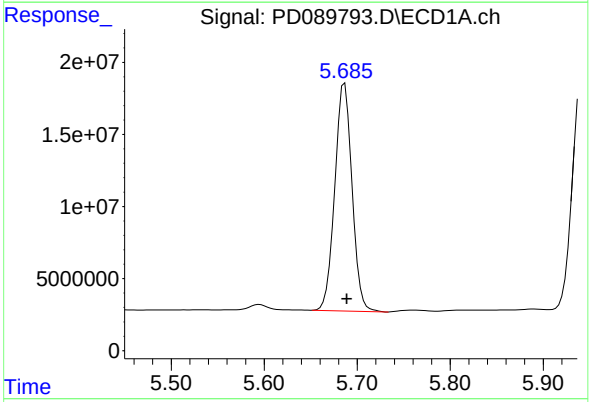
R.T.: 4.761 min
Delta R.T.: -0.002 min
Response: 236217853
Conc: 51.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



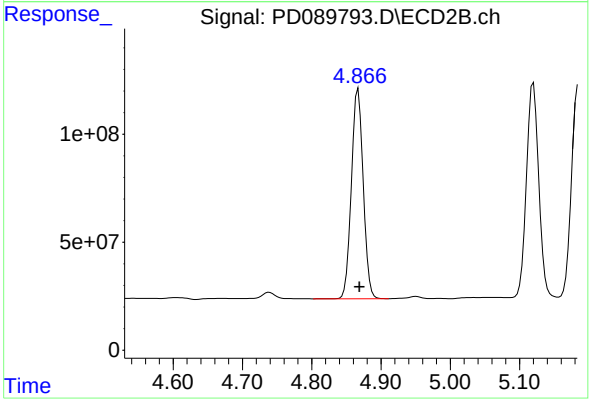
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.002 min
Response: 1305552785
Conc: 57.48 ng/ml



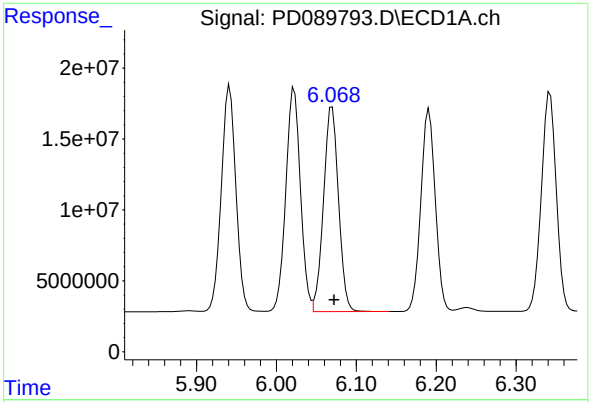
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 203540714
Conc: 48.69 ng/ml



#8 Heptachlor epoxide

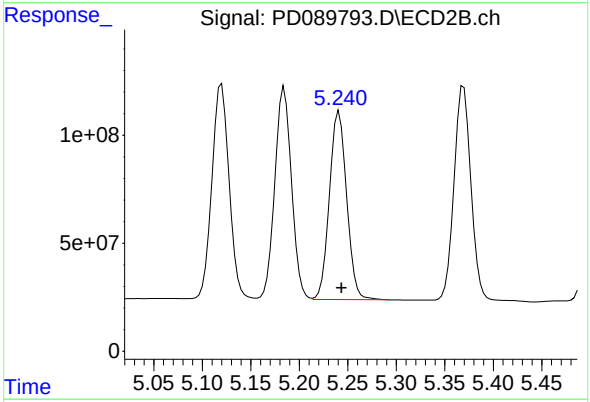
R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 1153615542
Conc: 56.14 ng/ml



#9 Endosulfan I

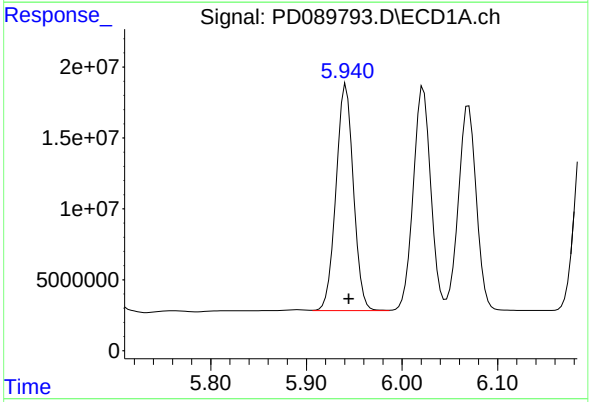
R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 188193297
Conc: 47.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



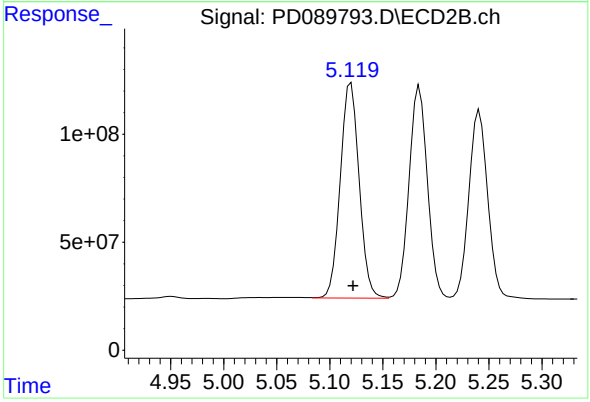
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 1078742899
Conc: 55.18 ng/ml



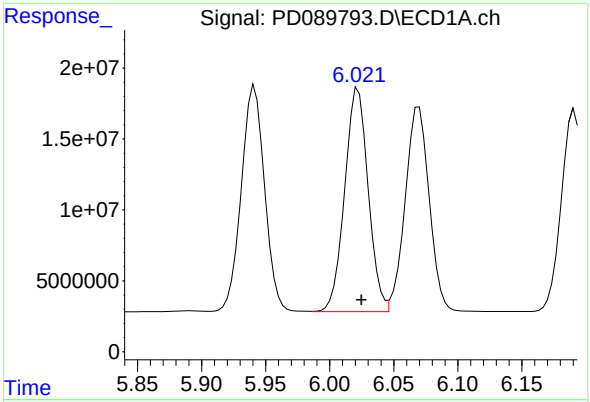
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 202023938
Conc: 48.34 ng/ml



#10 gamma-Chlordane

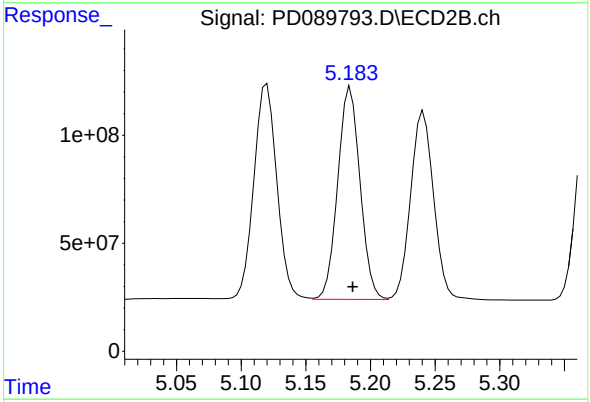
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 1231092732
Conc: 56.85 ng/ml



#11 alpha-Chlordane

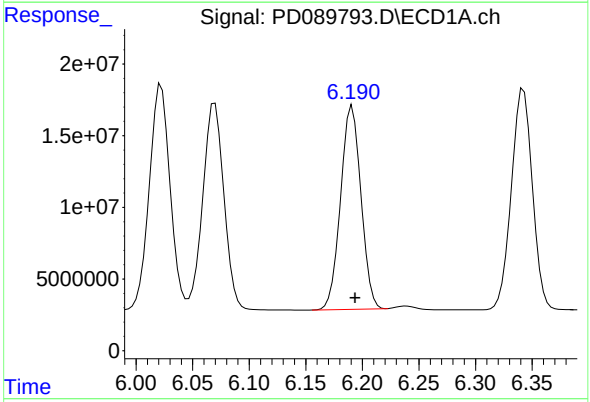
R.T.: 6.022 min
Delta R.T.: -0.003 min
Response: 201168906
Conc: 47.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



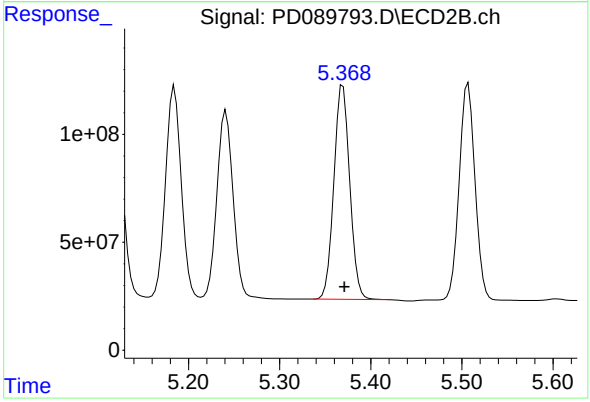
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.002 min
Response: 1179702800
Conc: 56.66 ng/ml



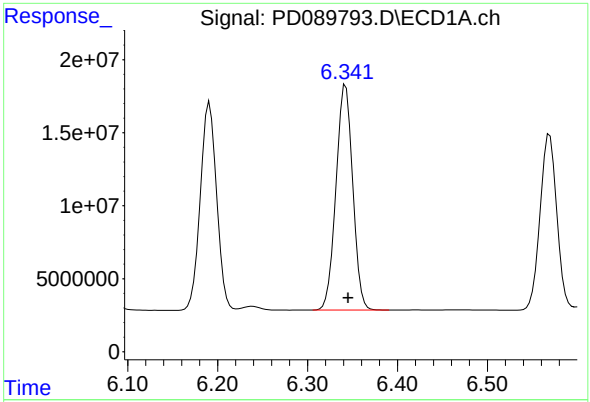
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 177918120
Conc: 47.70 ng/ml



#12 4,4'-DDE

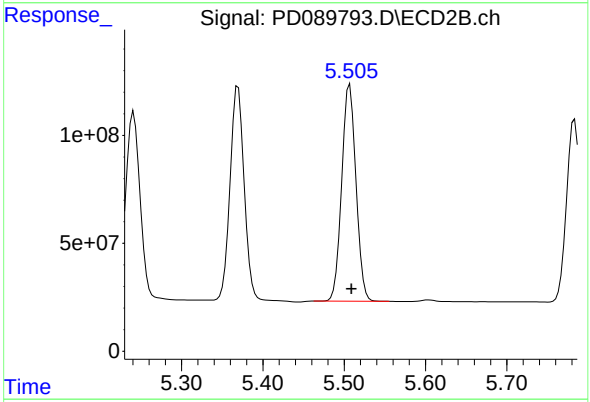
R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 1199421777
Conc: 56.74 ng/ml



#13 Dieldrin

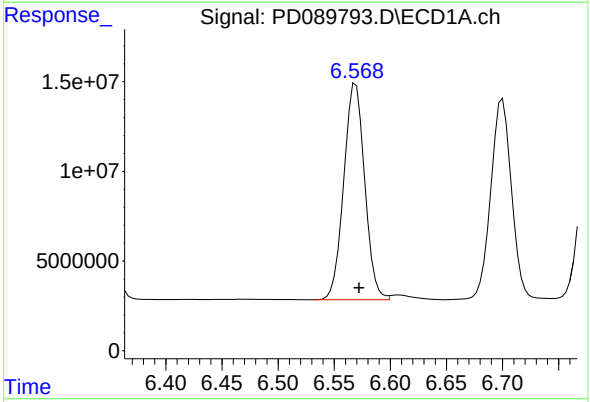
R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 199767427
Conc: 47.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



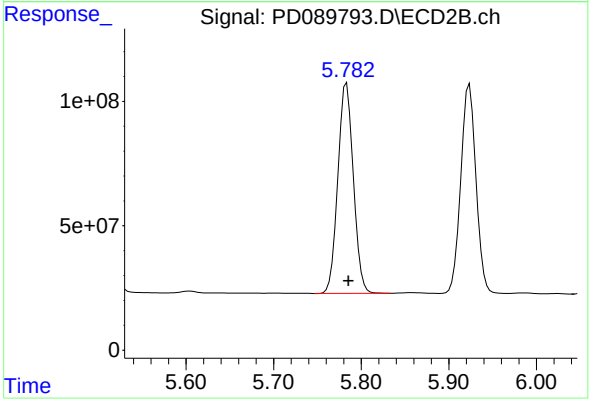
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.002 min
Response: 1219670580
Conc: 56.36 ng/ml



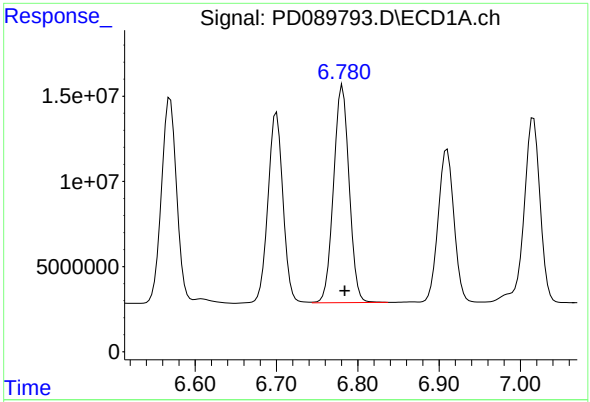
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.003 min
Response: 156266004
Conc: 43.68 ng/ml



#14 Endrin

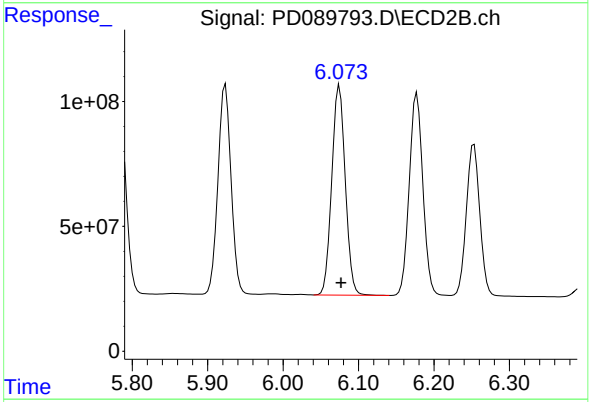
R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1039652335
Conc: 52.18 ng/ml



#15 Endosulfan II

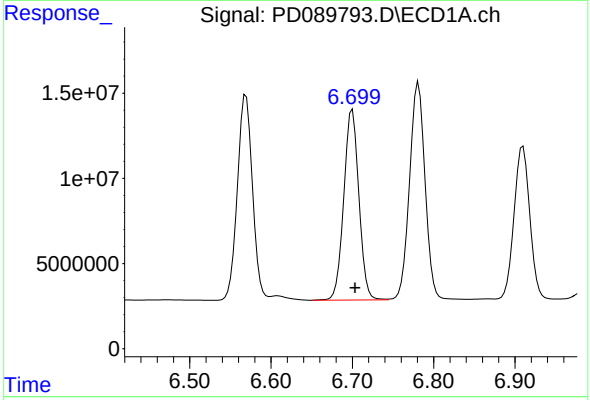
R.T.: 6.781 min
Delta R.T.: -0.003 min
Response: 169480562
Conc: 46.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



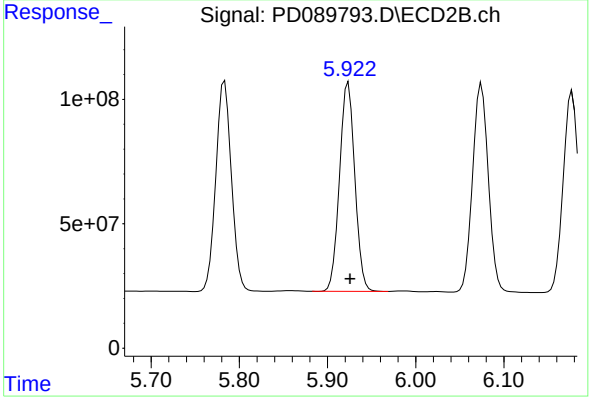
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: -0.002 min
Response: 1046461792
Conc: 55.66 ng/ml



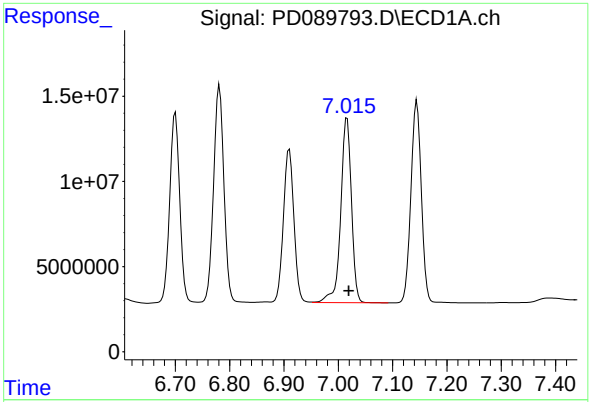
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.003 min
Response: 143766494
Conc: 48.01 ng/ml



#16 4,4'-DDD

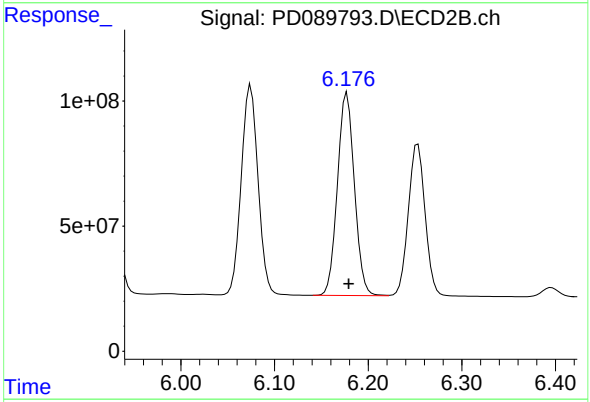
R.T.: 5.924 min
Delta R.T.: -0.002 min
Response: 1013340456
Conc: 57.47 ng/ml



#17 4,4'-DDT

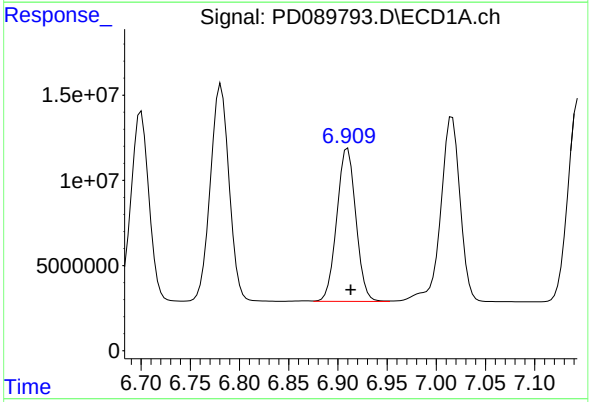
R.T.: 7.016 min
Delta R.T.: -0.003 min
Response: 149181195
Conc: 44.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



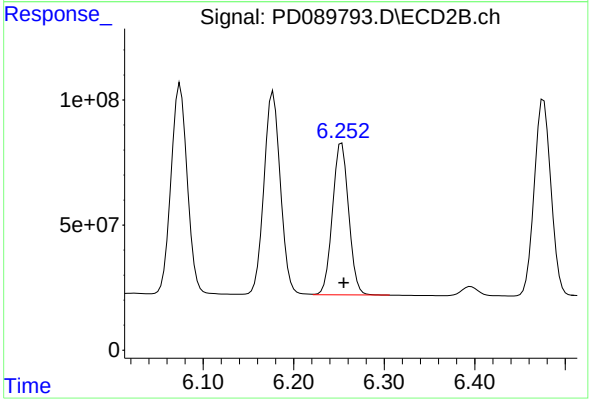
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 1020563006
Conc: 55.55 ng/ml



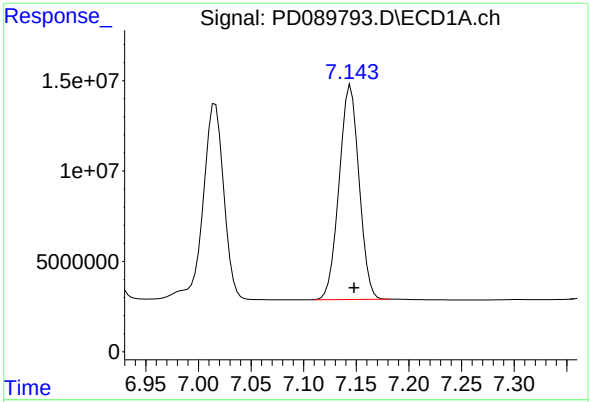
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.003 min
Response: 121235722
Conc: 48.58 ng/ml



#18 Endrin aldehyde

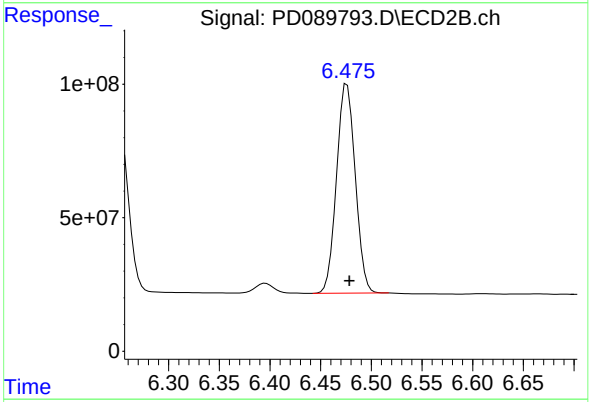
R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 751613430
Conc: 58.17 ng/ml



#19 Endosulfan Sulfate

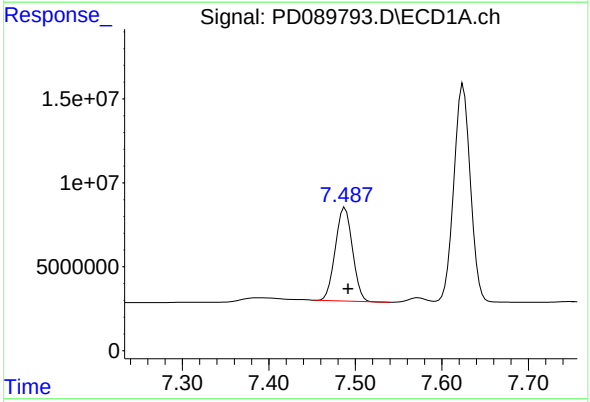
R.T.: 7.145 min
Delta R.T.: -0.003 min
Response: 156909093
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



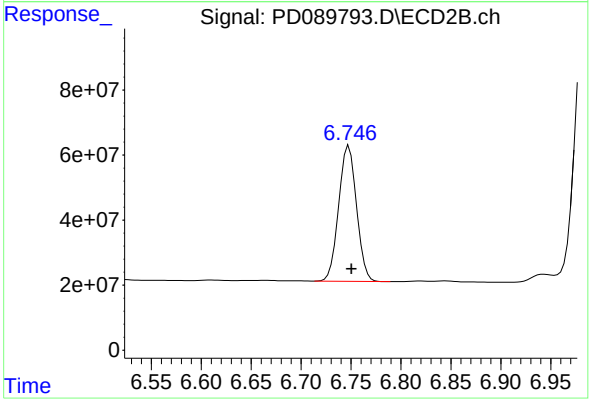
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.002 min
Response: 1007020163
Conc: 54.24 ng/ml



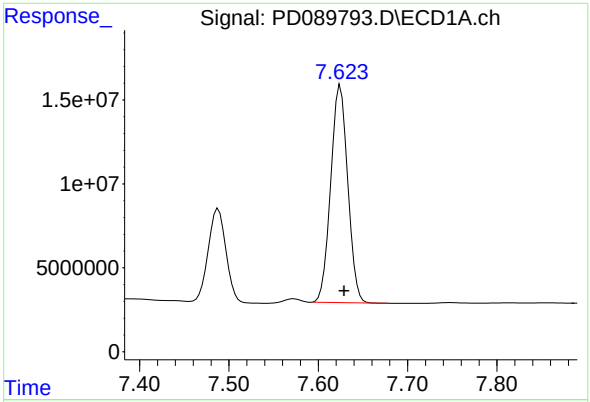
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.004 min
Response: 76152551
Conc: 42.59 ng/ml



#20 Methoxychlor

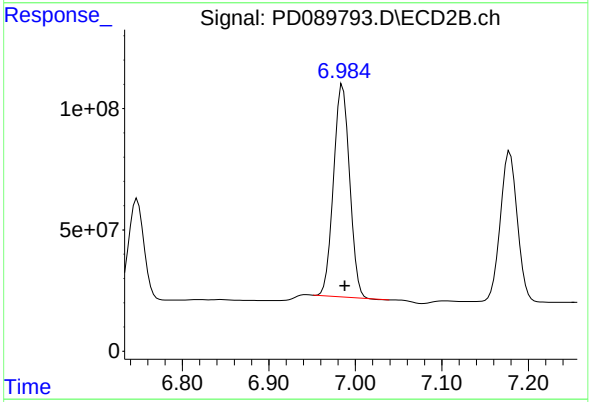
R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 519778663
Conc: 53.06 ng/ml



#21 Endrin ketone

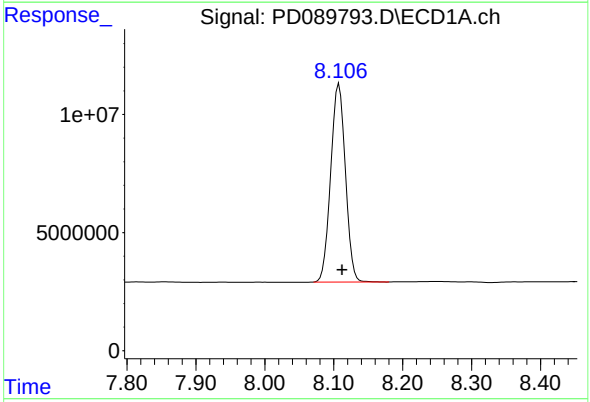
R.T.: 7.625 min
Delta R.T.: -0.004 min
Response: 171299343
Conc: 46.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



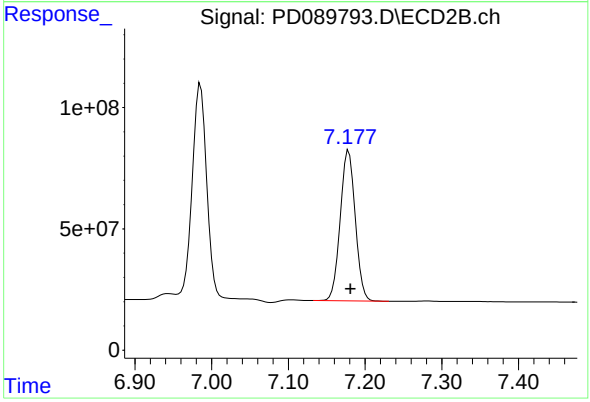
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.002 min
Response: 1124474080
Conc: 56.03 ng/ml



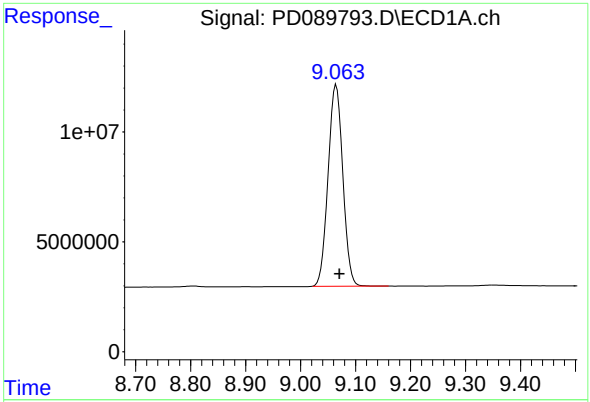
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.004 min
Response: 124297822
Conc: 44.58 ng/ml



#22 Mirex

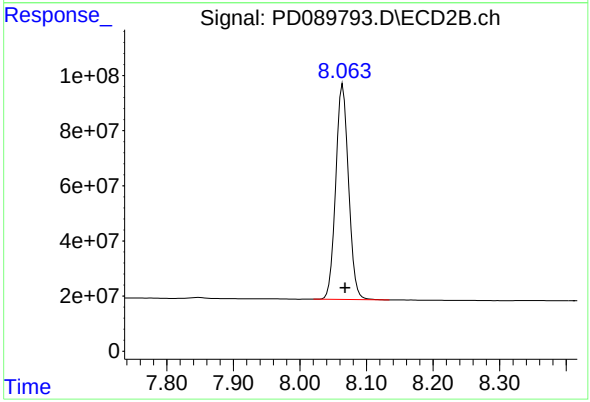
R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 845786421
Conc: 55.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.006 min
Response: 170829532
Conc: 45.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.003 min
Response: 1045013296
Conc: 52.05 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/28/2025 07/28/2025

Continuing Calib Time: 10:07 **Initial Calibration Time(s):** 16:52 17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.98	3.88	4.08	0.00
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.74	4.74	4.64	4.84	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.90	4.80	5.00	0.00
Aldrin	5.24	5.24	5.14	5.34	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endosulfan I	6.04	6.04	5.94	6.14	0.00
Dieldrin	6.32	6.32	6.22	6.42	0.00
4,4'-DDE	6.17	6.17	6.07	6.27	0.00
Endrin	6.54	6.54	6.44	6.64	0.00
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.68	6.68	6.58	6.78	0.00
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.00
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00
Endrin ketone	7.60	7.60	7.50	7.70	0.00
Endrin aldehyde	6.88	6.88	6.78	6.98	0.00
alpha-Chlordane	6.00	6.00	5.90	6.10	0.00
gamma-Chlordane	5.92	5.92	5.82	6.02	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/28/2025 07/28/2025

Continuing Calib Time: 10:07 **Initial Calibration Time(s):** 16:52 17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.30	4.20	4.40	0.01
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.40	6.40	6.30	6.50	0.00
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096689.D **Time Analyzed:** 10:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.675	6.575	6.775	57.130	50.000	14.3
4,4'-DDE	6.166	6.066	6.266	52.900	50.000	5.8
4,4'-DDT	6.989	6.889	7.089	48.360	50.000	-3.3
Aldrin	5.240	5.143	5.343	52.720	50.000	5.4
alpha-BHC	3.981	3.882	4.082	54.330	50.000	8.7
alpha-Chlordane	5.996	5.897	6.097	53.480	50.000	7.0
beta-BHC	4.496	4.397	4.597	54.520	50.000	9.0
Decachlorobiphenyl	9.015	8.916	9.116	55.170	50.000	10.3
delta-BHC	4.740	4.643	4.843	54.830	50.000	9.7
Dieldrin	6.315	6.216	6.416	53.930	50.000	7.9
Endosulfan I	6.043	5.944	6.144	53.400	50.000	6.8
Endosulfan II	6.753	6.655	6.855	51.960	50.000	3.9
Endosulfan sulfate	7.117	7.018	7.218	53.650	50.000	7.3
Endrin	6.542	6.442	6.642	48.670	50.000	-2.7
Endrin aldehyde	6.883	6.784	6.984	55.280	50.000	10.6
Endrin ketone	7.596	7.497	7.697	56.690	50.000	13.4
gamma-BHC (Lindane)	4.309	4.210	4.410	53.910	50.000	7.8
gamma-Chlordane	5.916	5.816	6.016	54.660	50.000	9.3
Heptachlor	4.902	4.803	5.003	54.120	50.000	8.2
Heptachlor epoxide	5.661	5.562	5.762	53.370	50.000	6.7
Methoxychlor	7.462	7.362	7.562	46.590	50.000	-6.8
Tetrachloro-m-xylene	3.533	3.435	3.635	53.760	50.000	7.5

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096689.D **Time Analyzed:** 10:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.855	5.756	5.956	55.300	50.000	10.6
4,4'-DDE	5.302	5.204	5.404	55.190	50.000	10.4
4,4'-DDT	6.107	6.009	6.209	51.380	50.000	2.8
Aldrin	4.294	4.197	4.397	54.710	50.000	9.4
alpha-BHC	3.330	3.233	3.433	55.580	50.000	11.2
alpha-Chlordane	5.113	5.015	5.215	53.590	50.000	7.2
beta-BHC	3.959	3.861	4.061	54.800	50.000	9.6
Decachlorobiphenyl	7.990	7.892	8.092	56.350	50.000	12.7
delta-BHC	4.192	4.095	4.295	54.760	50.000	9.5
Dieldrin	5.433	5.334	5.534	54.790	50.000	9.6
Endosulfan I	5.167	5.069	5.269	52.420	50.000	4.8
Endosulfan II	6.000	5.901	6.101	54.300	50.000	8.6
Endosulfan sulfate	6.401	6.302	6.502	54.460	50.000	8.9
Endrin	5.707	5.609	5.809	47.850	50.000	-4.3
Endrin aldehyde	6.178	6.079	6.279	56.100	50.000	12.2
Endrin ketone	6.906	6.807	7.007	56.400	50.000	12.8
gamma-BHC (Lindane)	3.663	3.565	3.765	55.050	50.000	10.1
gamma-Chlordane	5.049	4.951	5.151	55.210	50.000	10.4
Heptachlor	4.011	3.914	4.114	52.880	50.000	5.8
Heptachlor epoxide	4.797	4.699	4.899	54.030	50.000	8.1
Methoxychlor	6.680	6.581	6.781	47.760	50.000	-4.5
Tetrachloro-m-xylene	2.825	2.728	2.928	55.590	50.000	11.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.533	2.825	171.0E6	265.6E6	53.761	55.586
28)	SA Decachlor...	9.015	7.990	131.6E6	244.4E6	55.167	56.347
	Target Compounds						
2)	A alpha-BHC	3.981	3.330	251.3E6	393.3E6	54.328	55.580
3)	MA gamma-BHC...	4.309	3.663	238.5E6	363.5E6	53.914	55.047
4)	MA Heptachlor	4.902	4.011	224.9E6	352.3E6	54.120	52.883
5)	MB Aldrin	5.240	4.294	226.7E6	339.6E6	52.716m	54.708
6)	B beta-BHC	4.496	3.959	98411164	154.6E6	54.522	54.804
7)	B delta-BHC	4.740	4.192	218.7E6	354.5E6	54.826m	54.765
8)	B Heptachlo...	5.661	4.797	205.8E6	308.6E6	53.371	54.032
9)	A Endosulfan I	6.043	5.167	192.1E6	290.0E6	53.402	52.422
10)	B gamma-Chl...	5.916	5.049	208.0E6	324.6E6	54.665	55.209
11)	B alpha-Chl...	5.996	5.113	206.1E6	316.1E6	53.478	53.592
12)	B 4,4'-DDE	6.166	5.302	169.9E6	304.3E6	52.901	55.190
13)	MA Dieldrin	6.315	5.433	200.1E6	323.6E6	53.927	54.786
14)	MA Endrin	6.542	5.707	147.3E6	258.7E6	48.674	47.845
15)	B Endosulfa...	6.753	6.000	166.4E6	278.9E6	51.960m	54.300
16)	A 4,4'-DDD	6.675	5.855	144.4E6	260.2E6	57.131	55.298
17)	MA 4,4'-DDT	6.989	6.107	138.7E6	259.9E6	48.361	51.385
18)	B Endrin al...	6.883	6.178	118.6E6	206.9E6	55.277	56.103
19)	B Endosulfa...	7.117	6.401	154.2E6	277.0E6	53.645	54.456
20)	A Methoxychlor	7.462	6.680	68407863	130.9E6	46.588	47.761
21)	B Endrin ke...	7.596	6.906	170.4E6	314.1E6	56.687	56.396
22)	Mirex	8.076	7.096	133.4E6	235.9E6	53.791	54.088

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

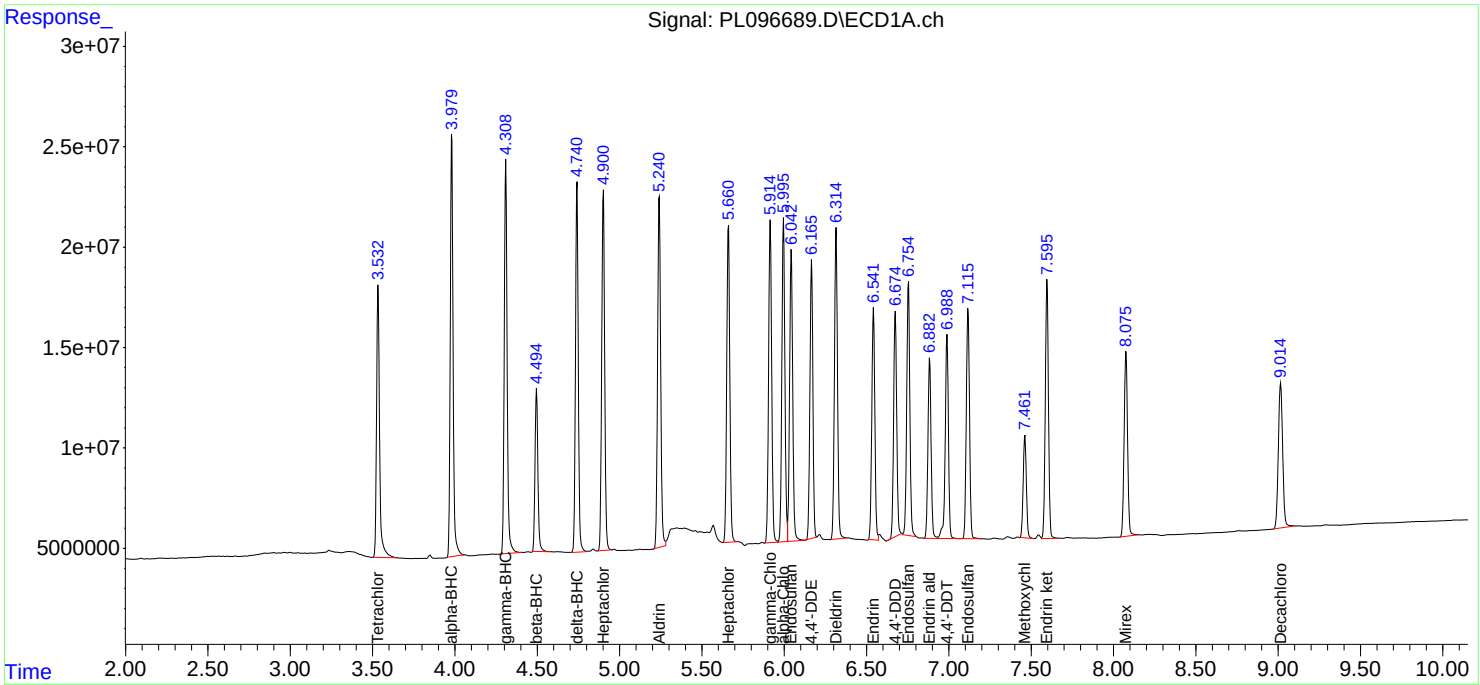
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

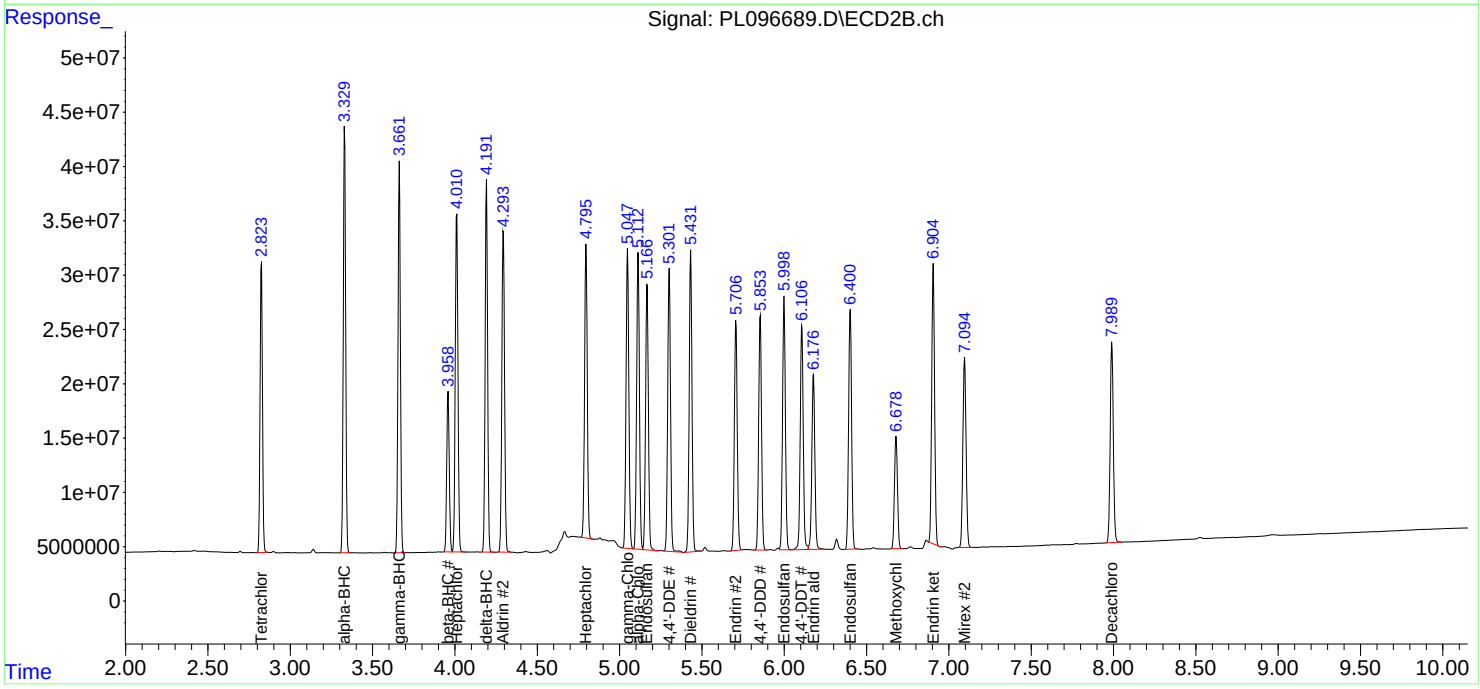
Manual Integrations APPROVED

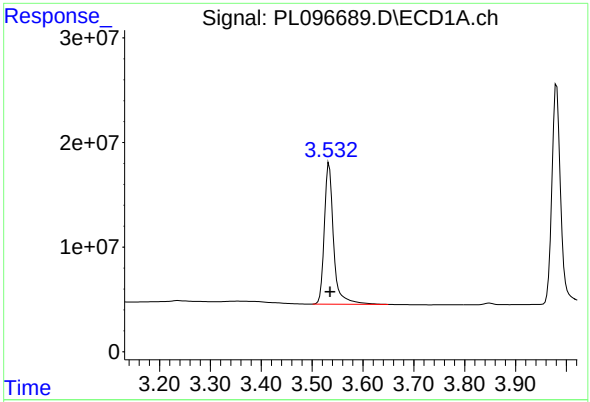
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.002 min
Response: 171002096
Conc: 53.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
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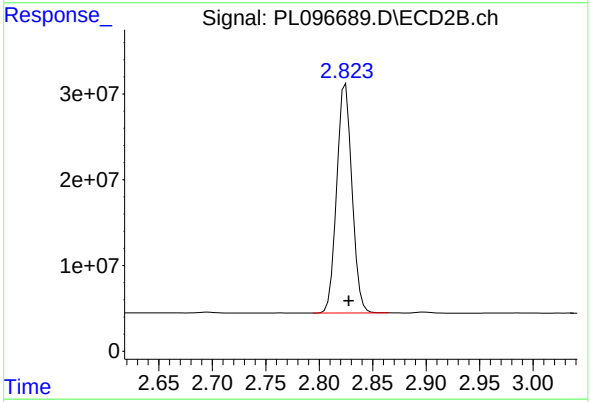
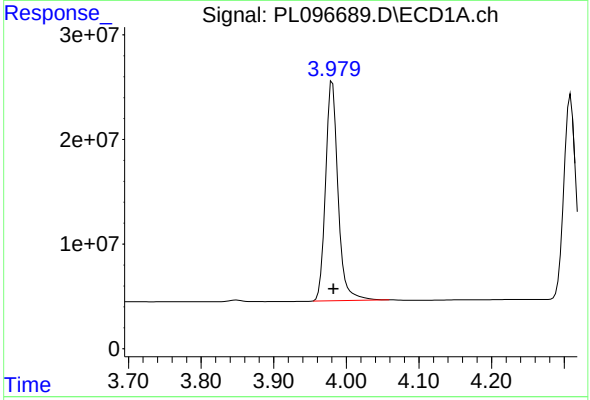


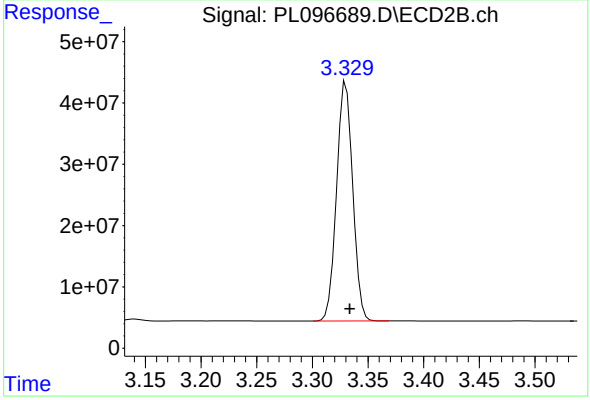
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 265575924
Conc: 55.59 ng/ml



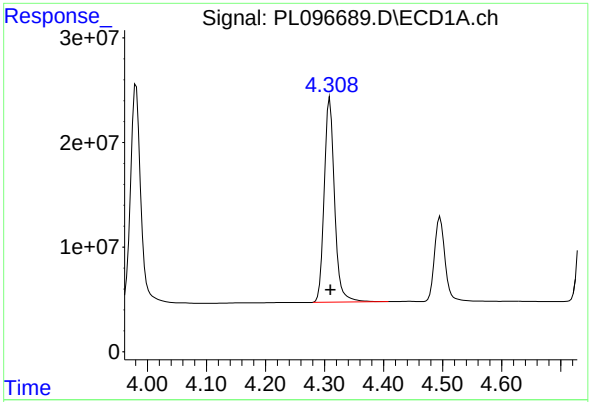
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 251339698
Conc: 54.33 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 393338752
Conc: 55.58 ng/ml



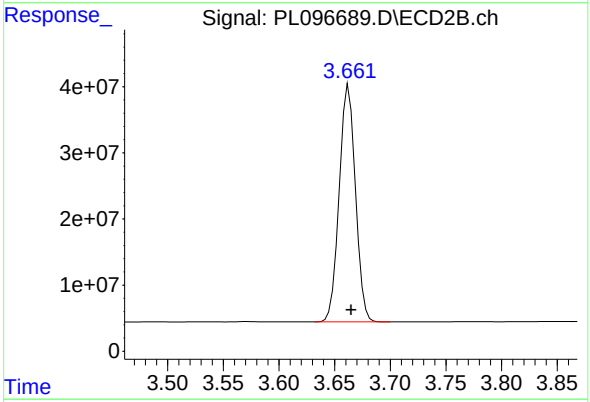
#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 238483690
Conc: 53.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

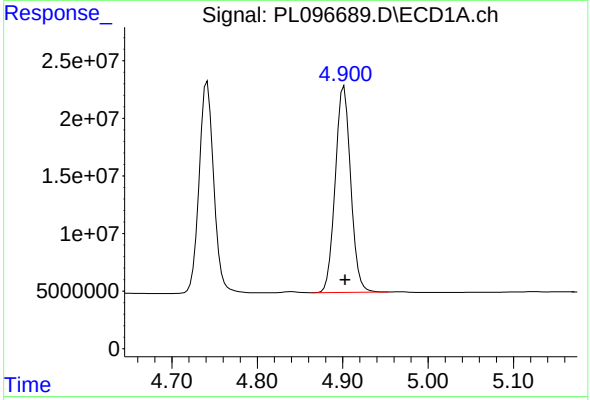
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



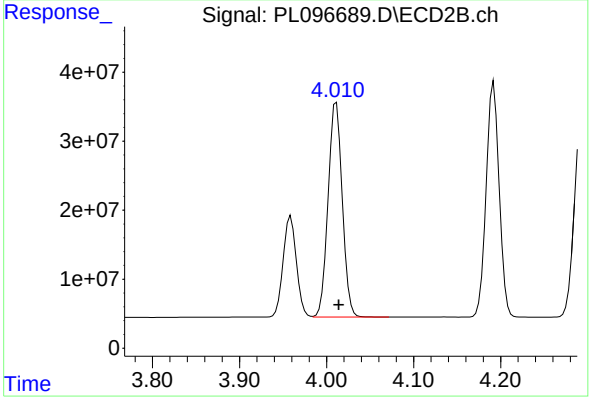
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 363495154
Conc: 55.05 ng/ml



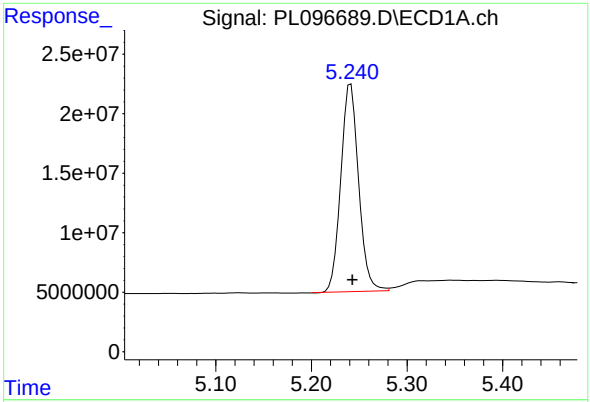
#4 Heptachlor

R.T.: 4.902 min
Delta R.T.: -0.001 min
Response: 224904836
Conc: 54.12 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 352302039
Conc: 52.88 ng/ml



#5 Aldrin

R.T.: 5.240 min
Delta R.T.: -0.003 min
Response: 226733615
Conc: 52.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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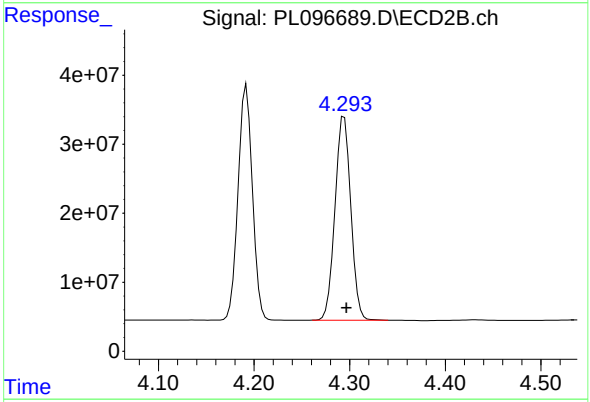
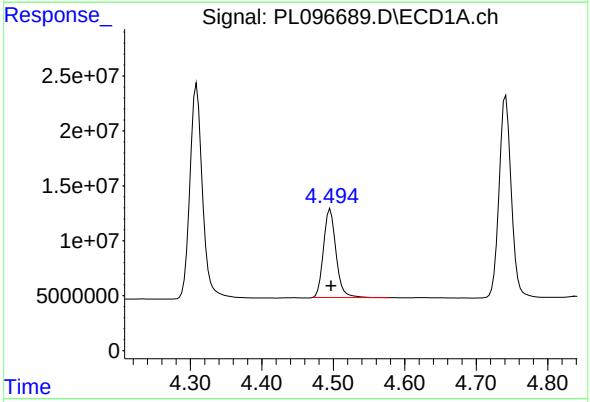
Supervised By :mohammad ahmed 08/05/2025



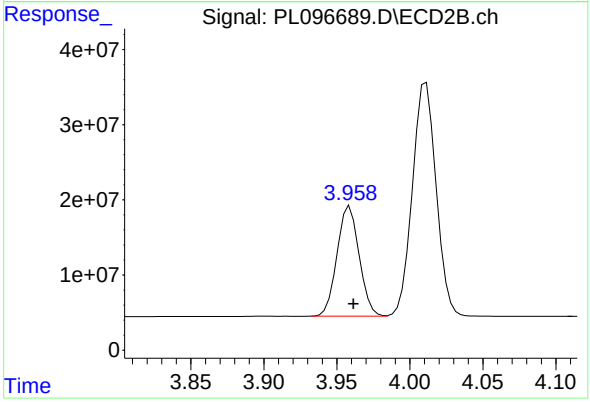
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 339578157
Conc: 54.71 ng/ml



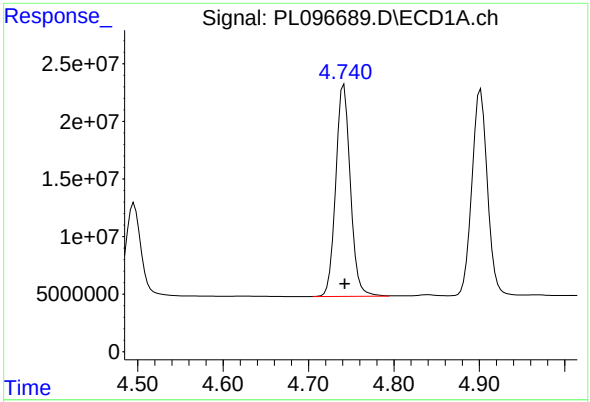
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 98411164
Conc: 54.52 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 154596770
Conc: 54.80 ng/ml



#7 delta-BHC

R.T.: 4.740 min
Delta R.T.: -0.002 min
Response: 218748069
Conc: 54.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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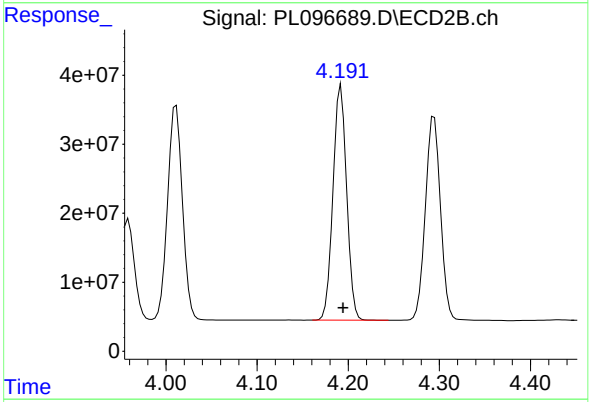
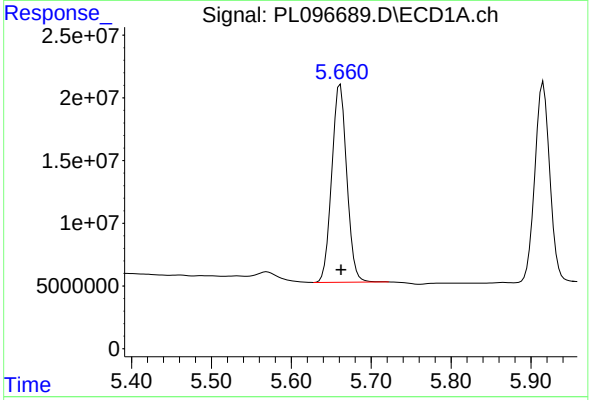
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



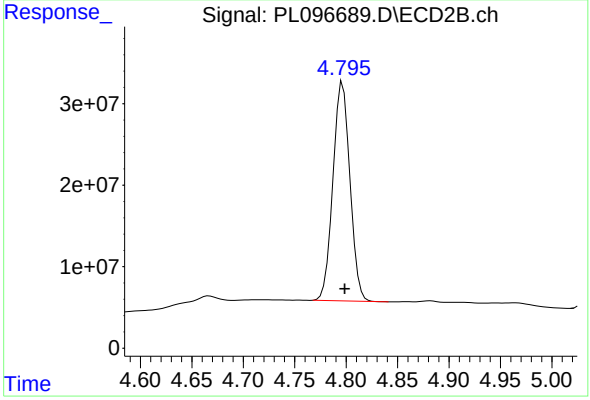
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.002 min
Response: 354526855
Conc: 54.76 ng/ml



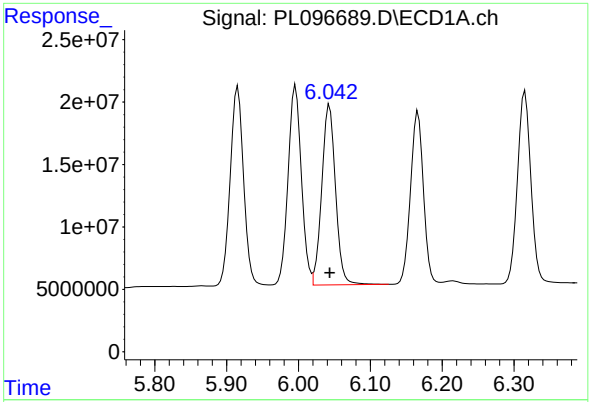
#8 Heptachlor epoxide

R.T.: 5.661 min
Delta R.T.: 0.000 min
Response: 205828347
Conc: 53.37 ng/ml



#8 Heptachlor epoxide

R.T.: 4.797 min
Delta R.T.: -0.002 min
Response: 308593256
Conc: 54.03 ng/ml



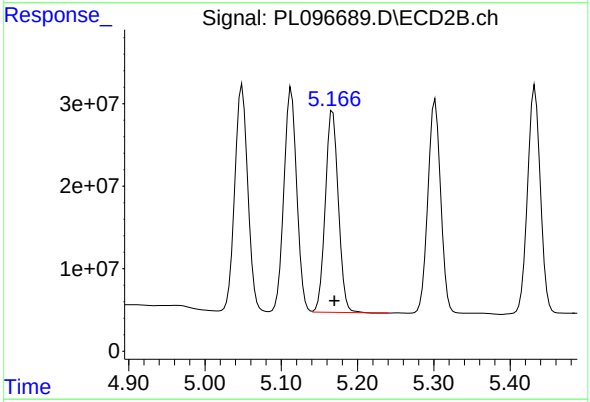
#9 Endosulfan I

R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 192053037
Conc: 53.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

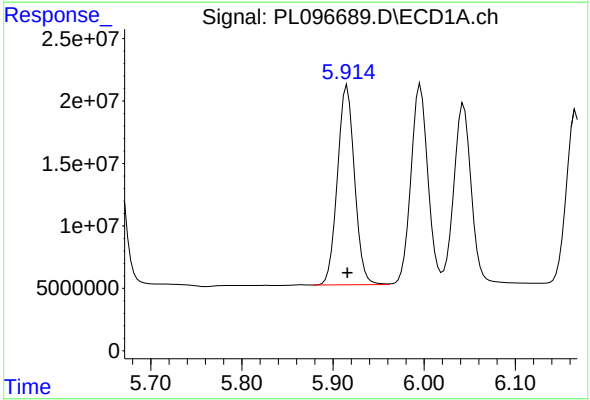
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



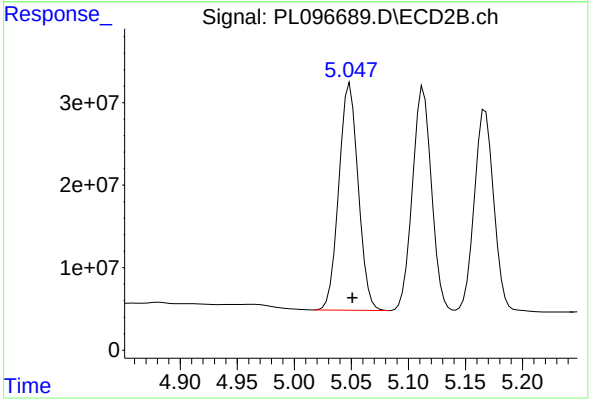
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 289964819
Conc: 52.42 ng/ml



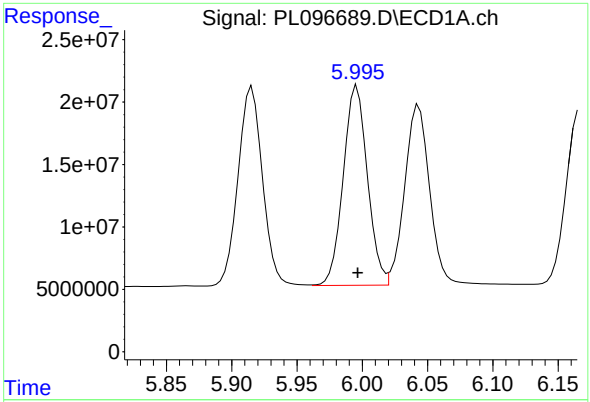
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 208013165
Conc: 54.66 ng/ml



#10 gamma-Chlordane

R.T.: 5.049 min
Delta R.T.: -0.002 min
Response: 324637632
Conc: 55.21 ng/ml



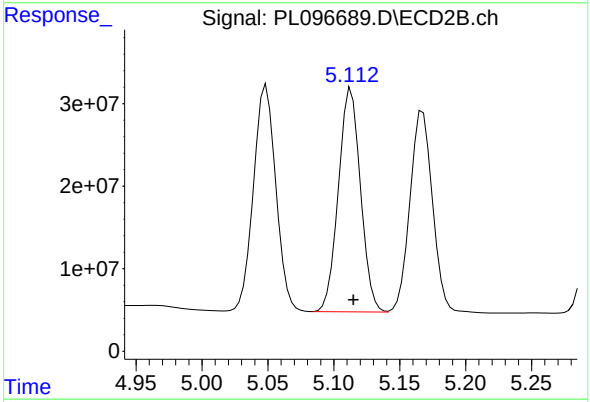
#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 206139760
Conc: 53.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

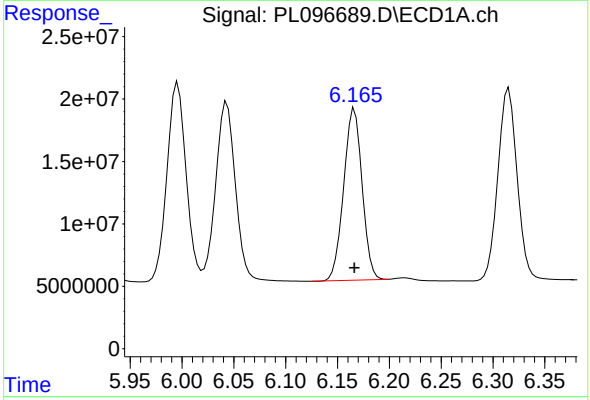
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



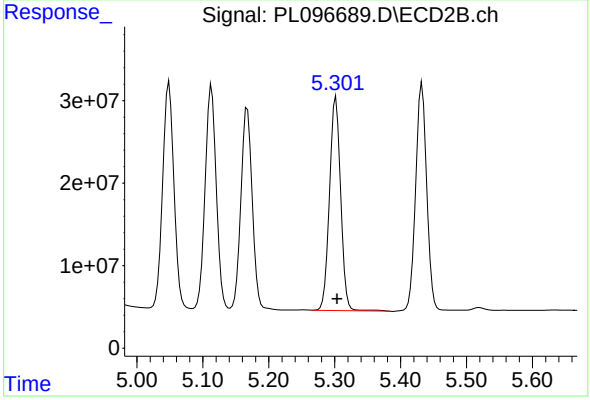
#11 alpha-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.002 min
Response: 316134660
Conc: 53.59 ng/ml



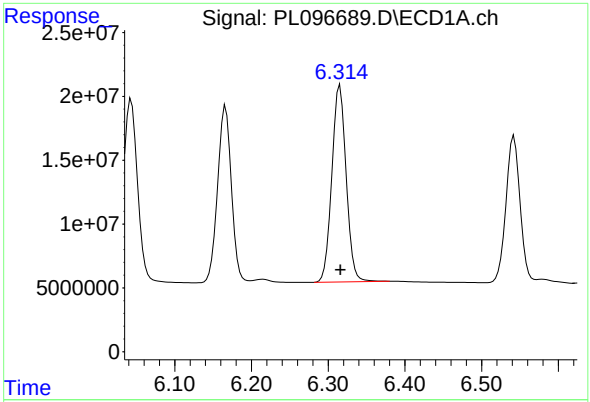
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 169876818
Conc: 52.90 ng/ml



#12 4,4'-DDE

R.T.: 5.302 min
Delta R.T.: -0.002 min
Response: 304342540
Conc: 55.19 ng/ml



#13 Dieldrin

R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 200131763
Conc: 53.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

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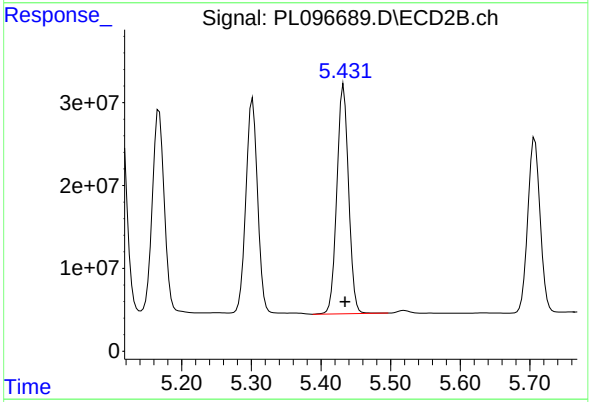
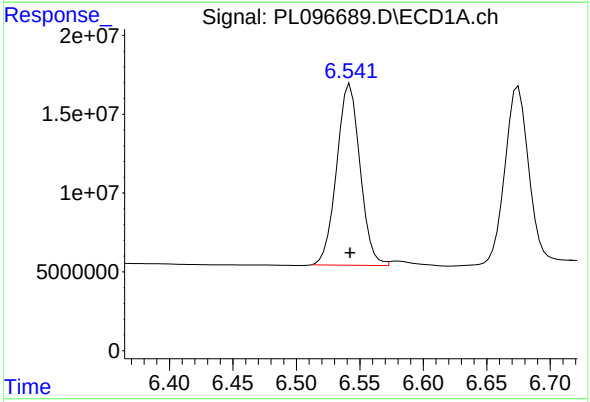


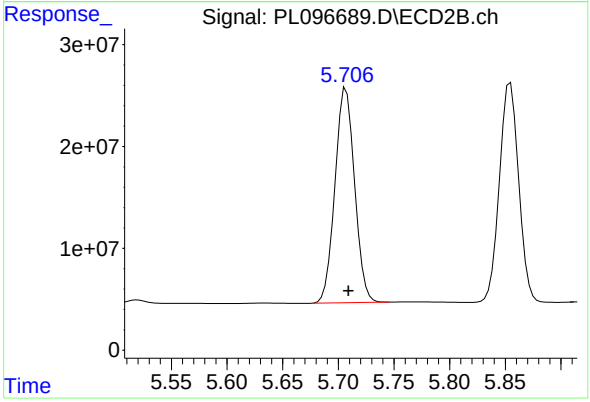
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.002 min
Response: 323598526
Conc: 54.79 ng/ml



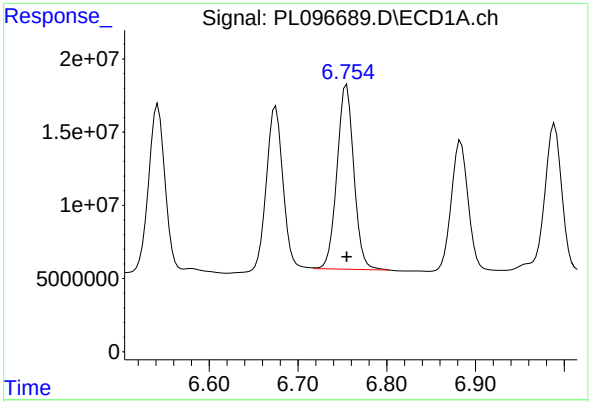
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 147326484
Conc: 48.67 ng/ml



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 258650304
Conc: 47.85 ng/ml



#15 Endosulfan II

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 166410013
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

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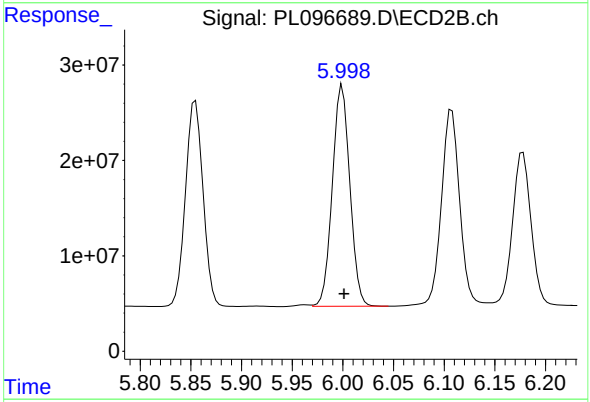
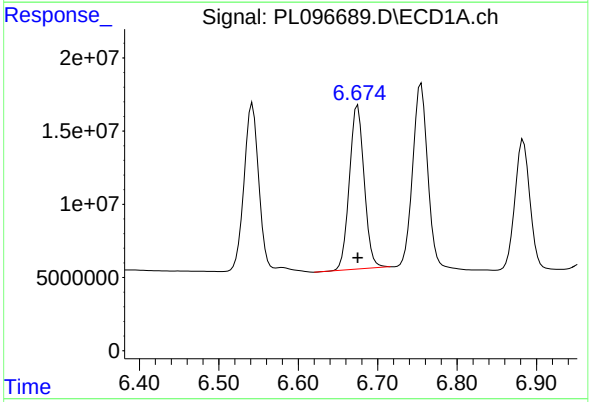
Supervised By :mohammad ahmed 08/05/2025



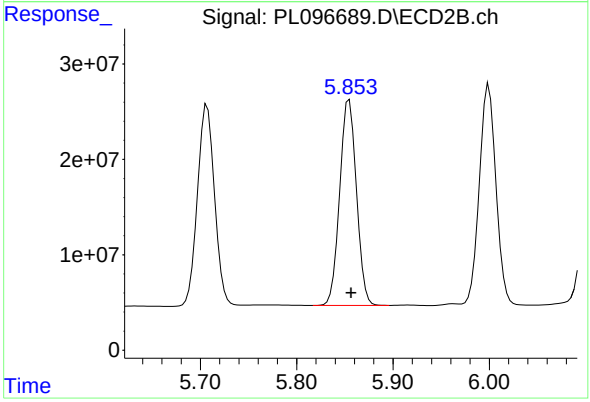
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.001 min
Response: 278899190
Conc: 54.30 ng/ml



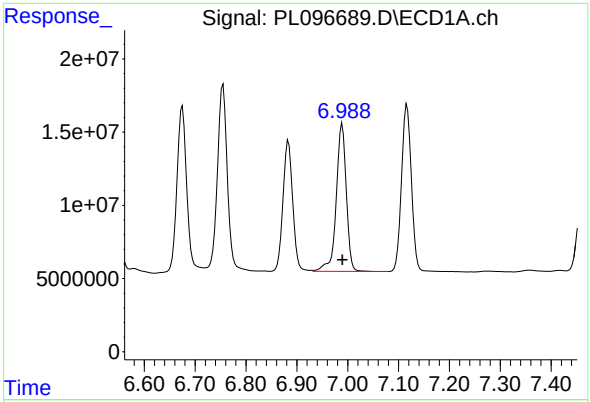
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 144448438
Conc: 57.13 ng/ml



#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.002 min
Response: 260192538
Conc: 55.30 ng/ml



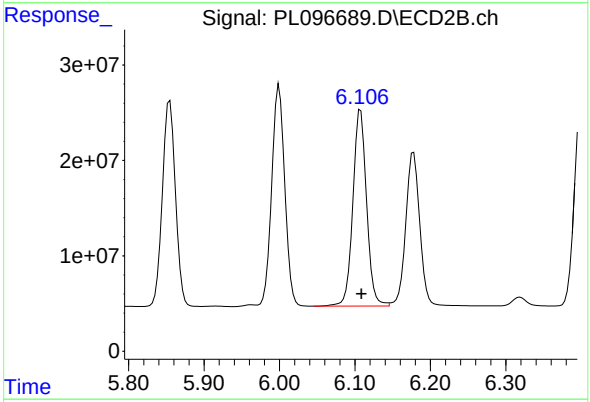
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 138684568
Conc: 48.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

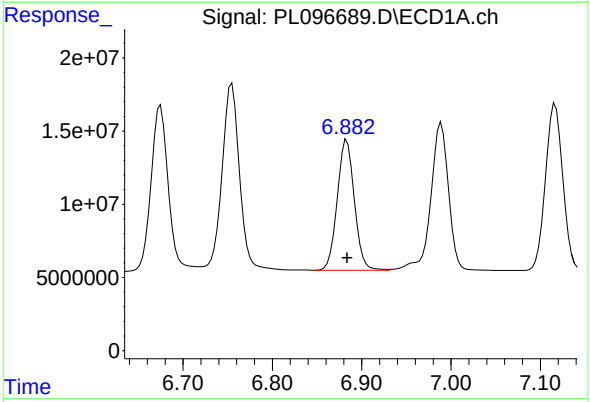
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



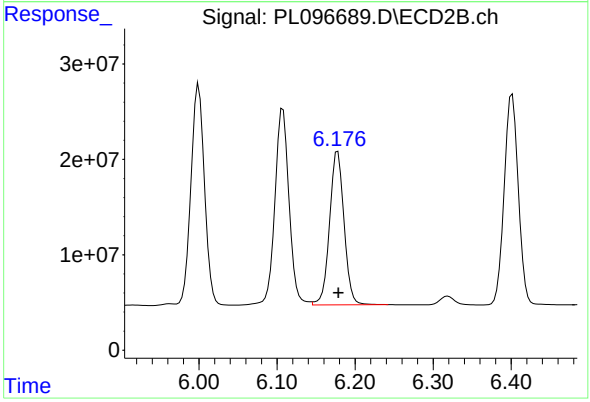
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.001 min
Response: 259919443
Conc: 51.38 ng/ml



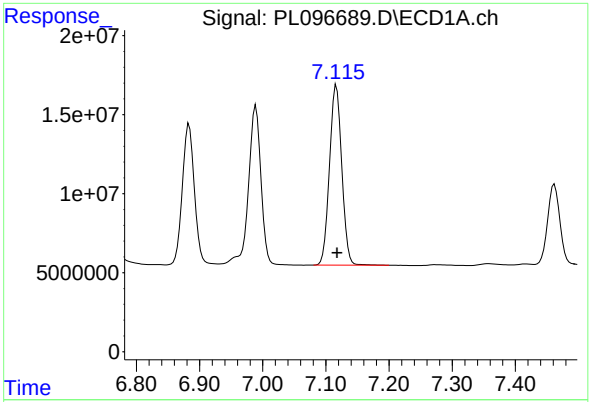
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 118620702
Conc: 55.28 ng/ml



#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 206850259
Conc: 56.10 ng/ml



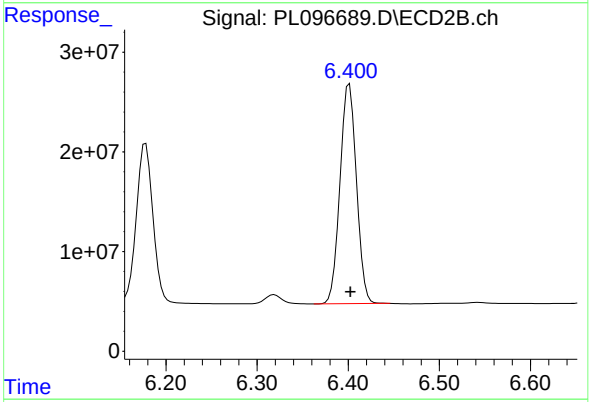
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 154159853
Conc: 53.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

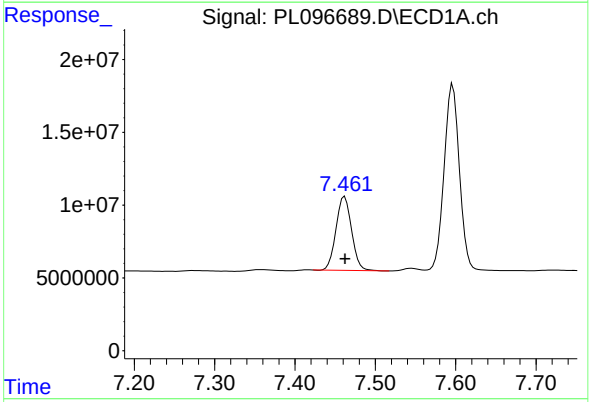
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



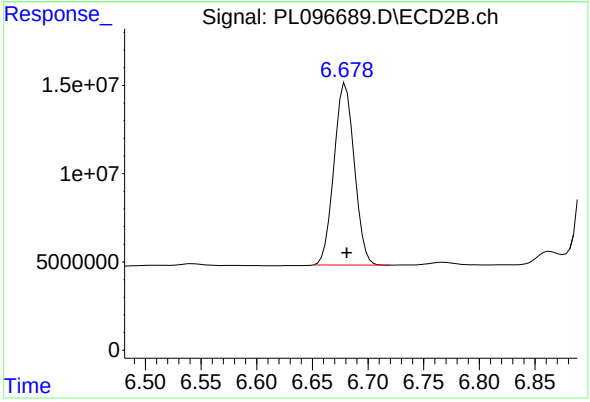
#19 Endosulfan Sulfate

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 276974882
Conc: 54.46 ng/ml



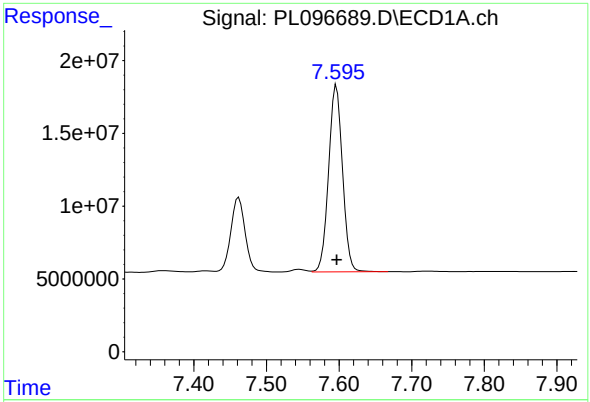
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 68407863
Conc: 46.59 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: -0.001 min
Response: 130889973
Conc: 47.76 ng/ml



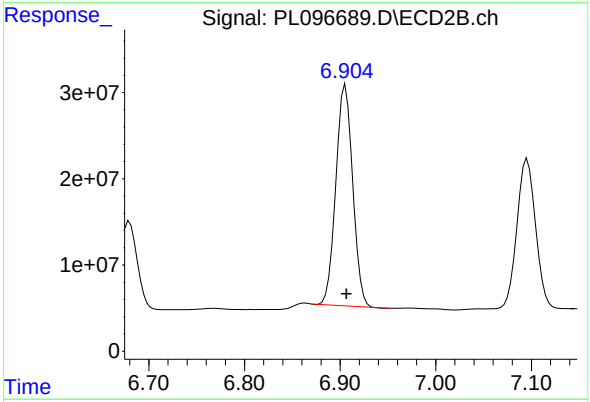
#21 Endrin ketone

R.T.: 7.596 min
Delta R.T.: 0.000 min
Response: 170442668
Conc: 56.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

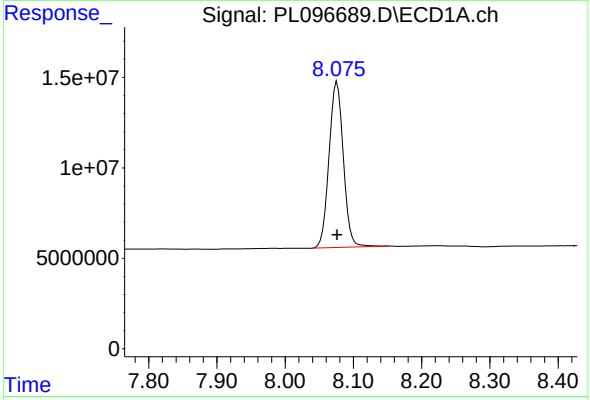
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



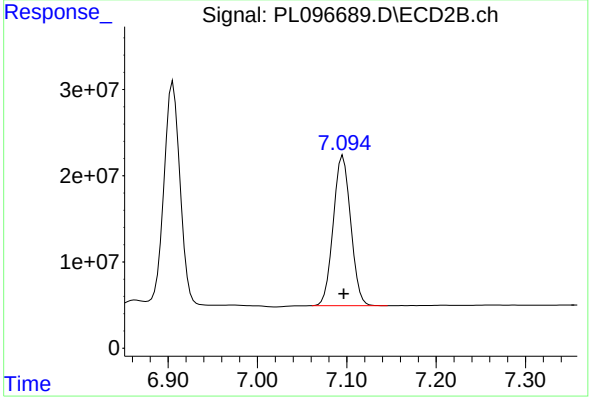
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.001 min
Response: 314108977
Conc: 56.40 ng/ml



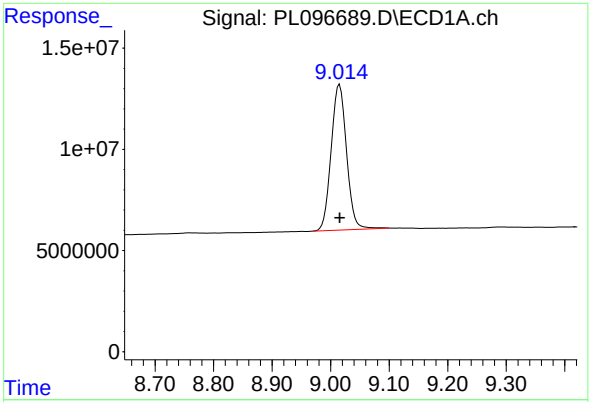
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 133366031
Conc: 53.79 ng/ml



#22 Mirex

R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 235869786
Conc: 54.09 ng/ml



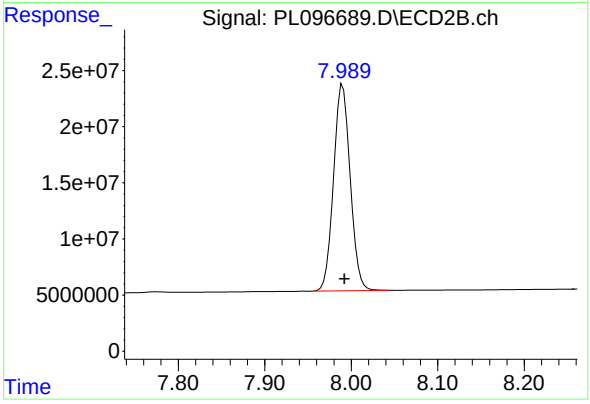
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 131554170
Conc: 55.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 244449232
Conc: 56.35 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/28/2025 07/28/2025

Continuing Calib Time: 15:03 **Initial Calibration Time(s):** 16:52 17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.01	9.02	8.92	9.12	0.01
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.98	3.88	4.08	0.00
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.74	4.74	4.64	4.84	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.90	4.80	5.00	0.00
Aldrin	5.24	5.24	5.14	5.34	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endosulfan I	6.04	6.04	5.94	6.14	0.00
Dieldrin	6.31	6.32	6.22	6.42	0.01
4,4'-DDE	6.16	6.17	6.07	6.27	0.01
Endrin	6.54	6.54	6.44	6.64	0.00
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.67	6.68	6.58	6.78	0.01
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.01
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00
Endrin ketone	7.60	7.60	7.50	7.70	0.01
Endrin aldehyde	6.88	6.88	6.78	6.98	0.00
alpha-Chlordane	5.99	6.00	5.90	6.10	0.01
gamma-Chlordane	5.91	5.92	5.82	6.02	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/28/2025 07/28/2025

Continuing Calib Time: 15:03 **Initial Calibration Time(s):** 16:52 17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.30	4.30	4.20	4.40	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.40	6.40	6.30	6.50	0.00
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL06 **Date Analyzed:** 08/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096699.D **Time Analyzed:** 15:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.673	6.575	6.775	57.440	50.000	14.9
4,4'-DDE	6.164	6.066	6.266	54.860	50.000	9.7
4,4'-DDT	6.987	6.889	7.089	46.360	50.000	-7.3
Aldrin	5.241	5.143	5.343	53.450	50.000	6.9
alpha-BHC	3.982	3.882	4.082	55.890	50.000	11.8
alpha-Chlordane	5.994	5.897	6.097	53.860	50.000	7.7
beta-BHC	4.496	4.397	4.597	56.310	50.000	12.6
Decachlorobiphenyl	9.011	8.916	9.116	55.780	50.000	11.6
delta-BHC	4.740	4.643	4.843	56.780	50.000	13.6
Dieldrin	6.314	6.216	6.416	53.460	50.000	6.9
Endosulfan I	6.042	5.944	6.144	53.160	50.000	6.3
Endosulfan II	6.753	6.655	6.855	52.420	50.000	4.8
Endosulfan sulfate	7.115	7.018	7.218	52.410	50.000	4.8
Endrin	6.540	6.442	6.642	48.590	50.000	-2.8
Endrin aldehyde	6.882	6.784	6.984	53.350	50.000	6.7
Endrin ketone	7.595	7.497	7.697	54.080	50.000	8.2
gamma-BHC (Lindane)	4.309	4.210	4.410	55.140	50.000	10.3
gamma-Chlordane	5.914	5.816	6.016	55.300	50.000	10.6
Heptachlor	4.901	4.803	5.003	53.550	50.000	7.1
Heptachlor epoxide	5.660	5.562	5.762	54.760	50.000	9.5
Methoxychlor	7.460	7.362	7.562	44.630	50.000	-10.7
Tetrachloro-m-xylene	3.534	3.435	3.635	55.660	50.000	11.3

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL06 **Date Analyzed:** 08/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096699.D **Time Analyzed:** 15:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.855	5.756	5.956	53.980	50.000	8.0
4,4'-DDE	5.303	5.204	5.404	53.800	50.000	7.6
4,4'-DDT	6.108	6.009	6.209	44.850	50.000	-10.3
Aldrin	4.296	4.197	4.397	55.750	50.000	11.5
alpha-BHC	3.333	3.233	3.433	56.720	50.000	13.4
alpha-Chlordane	5.114	5.015	5.215	53.080	50.000	6.2
beta-BHC	3.961	3.861	4.061	55.850	50.000	11.7
Decachlorobiphenyl	7.991	7.892	8.092	48.410	50.000	-3.2
delta-BHC	4.194	4.095	4.295	56.030	50.000	12.1
Dieldrin	5.434	5.334	5.534	53.850	50.000	7.7
Endosulfan I	5.169	5.069	5.269	51.750	50.000	3.5
Endosulfan II	6.000	5.901	6.101	52.130	50.000	4.3
Endosulfan sulfate	6.402	6.302	6.502	51.590	50.000	3.2
Endrin	5.708	5.609	5.809	49.270	50.000	-1.5
Endrin aldehyde	6.178	6.079	6.279	51.680	50.000	3.4
Endrin ketone	6.905	6.807	7.007	51.330	50.000	2.7
gamma-BHC (Lindane)	3.665	3.565	3.765	56.130	50.000	12.3
gamma-Chlordane	5.050	4.951	5.151	54.820	50.000	9.6
Heptachlor	4.013	3.914	4.114	53.090	50.000	6.2
Heptachlor epoxide	4.798	4.699	4.899	54.650	50.000	9.3
Methoxychlor	6.680	6.581	6.781	43.680	50.000	-12.6
Tetrachloro-m-xylene	2.828	2.728	2.928	55.990	50.000	12.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096699.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 15:03
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.828	177.0E6	267.5E6	55.660	55.988
28)	SA Decachlor...	9.011	7.991	133.0E6	210.0E6	55.779	48.410
	Target Compounds						
2)	A alpha-BHC	3.982	3.333	258.6E6	401.4E6	55.893	56.719
3)	MA gamma-BHC...	4.309	3.665	243.9E6	370.6E6	55.140	56.127
4)	MA Heptachlor	4.901	4.013	222.5E6	353.7E6	53.546	53.088
5)	MB Aldrin	5.241	4.296	229.9E6	346.1E6	53.445	55.752
6)	B beta-BHC	4.496	3.961	101.6E6	157.5E6	56.314	55.850
7)	B delta-BHC	4.740	4.194	226.5E6	362.7E6	56.775m	56.031
8)	B Heptachlo...	5.660	4.798	211.2E6	312.1E6	54.761	54.646
9)	A Endosulfan I	6.042	5.169	191.2E6	286.2E6	53.163	51.748
10)	B gamma-Chl...	5.914	5.050	210.4E6	322.3E6	55.304	54.817
11)	B alpha-Chl...	5.994	5.114	207.6E6	313.1E6	53.861	53.076
12)	B 4,4'-DDE	6.164	5.303	176.2E6	296.7E6	54.860	53.800
13)	MA Dieldrin	6.314	5.434	198.4E6	318.1E6	53.463	53.848
14)	MA Endrin	6.540	5.708	147.1E6	266.4E6	48.592	49.272
15)	B Endosulfa...	6.753	6.000	167.9E6	267.8E6	52.422	52.135
16)	A 4,4'-DDD	6.673	5.855	145.2E6	254.0E6	57.443	53.979
17)	MA 4,4'-DDT	6.987	6.108	133.0E6	226.9E6	46.362	44.854
18)	B Endrin al...	6.882	6.178	114.5E6	191.5E6	53.347	51.681
19)	B Endosulfa...	7.115	6.402	150.6E6	262.4E6	52.411	51.587
20)	A Methoxychlor	7.460	6.680	65530172	119.7E6	44.628	43.679
21)	B Endrin ke...	7.595	6.905	162.6E6	285.9E6	54.078	51.335
22)	Mirex	8.074	7.096	127.5E6	212.1E6	51.409	48.632

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

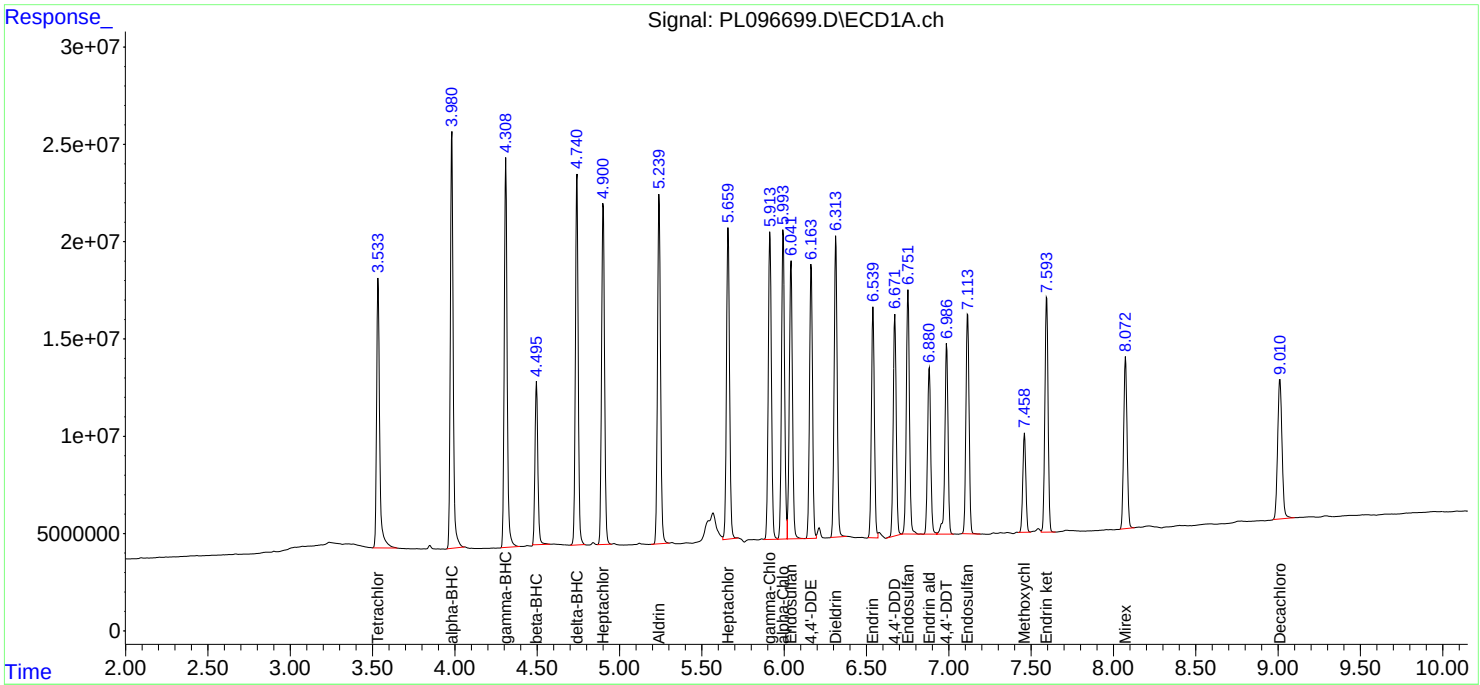
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096699.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 15:03
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

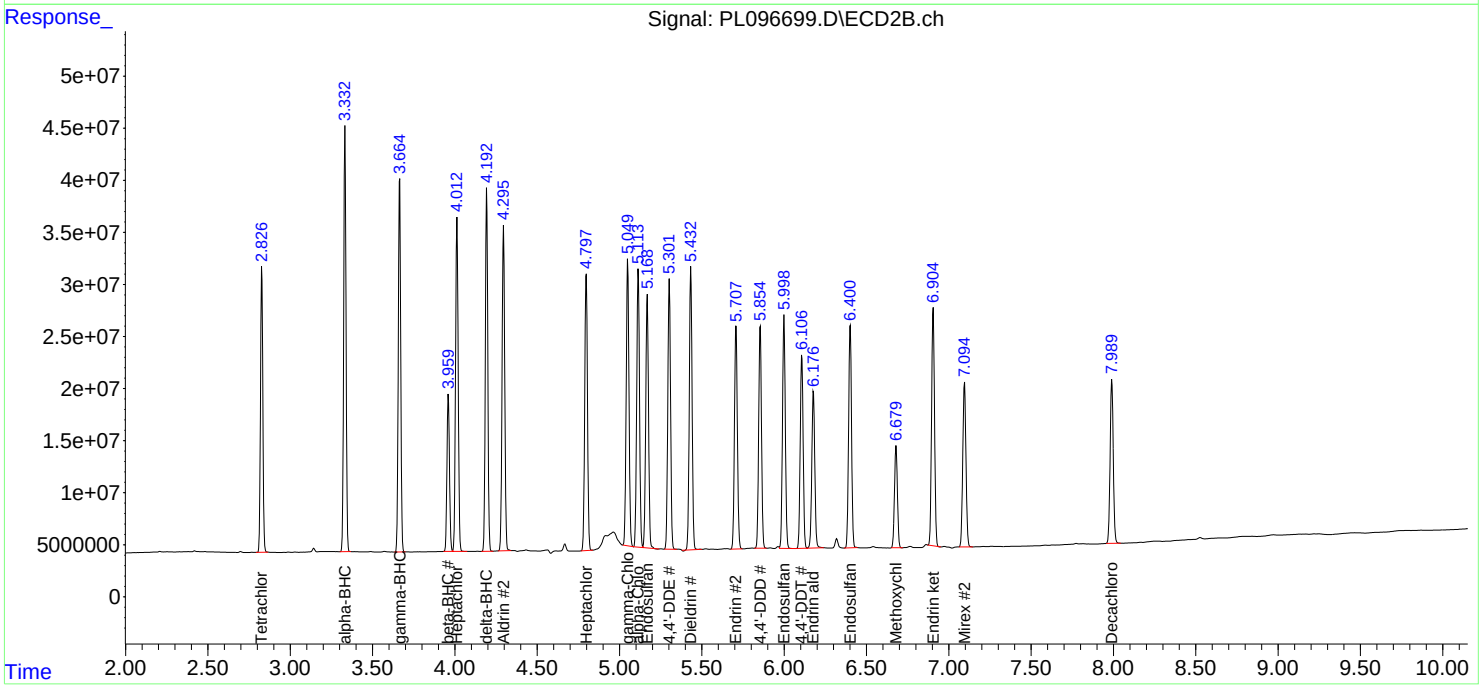
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

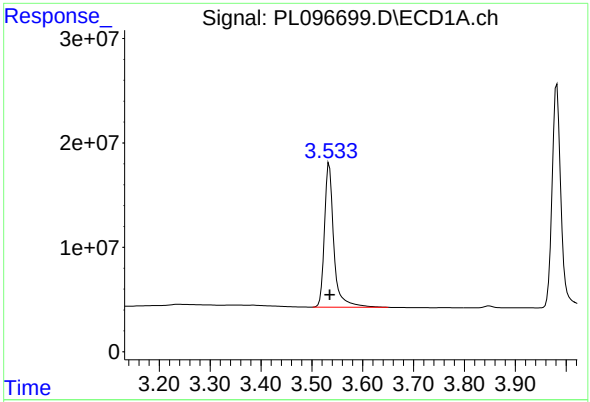
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 177043322
Conc: 55.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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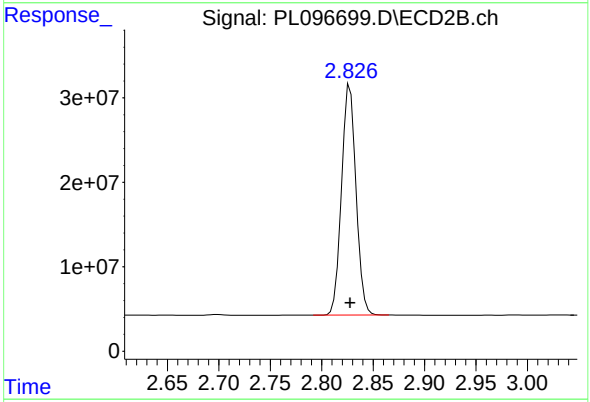
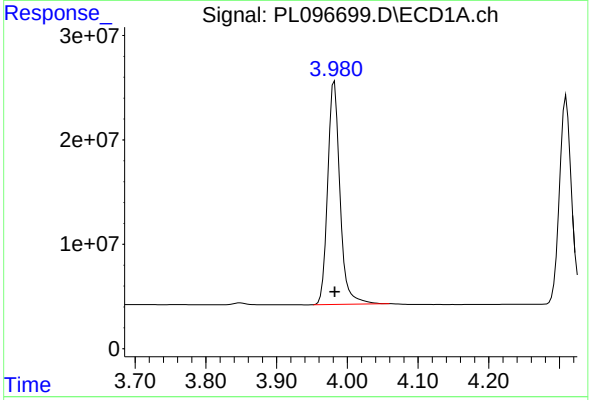
Supervised By :mohammad ahmed 08/05/2025



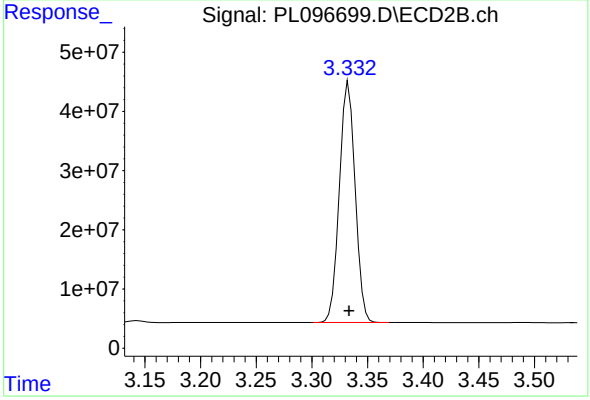
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 267496756
Conc: 55.99 ng/ml



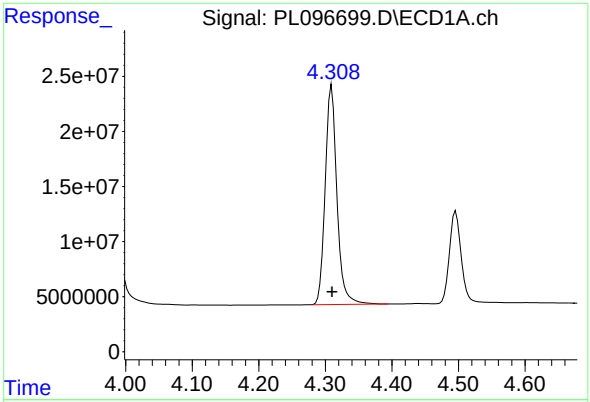
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: 0.000 min
Response: 258578941
Conc: 55.89 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 401403942
Conc: 56.72 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: 0.000 min
Response: 243908936
Conc: 55.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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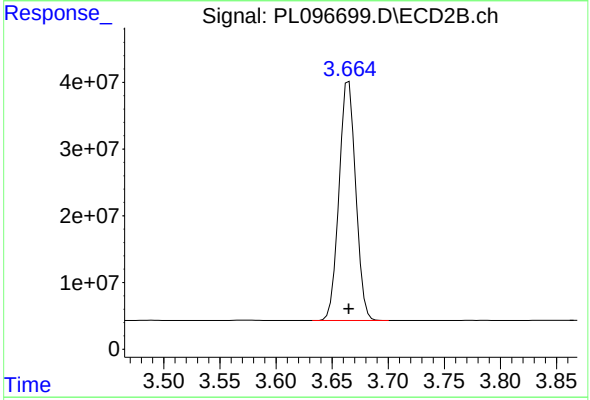
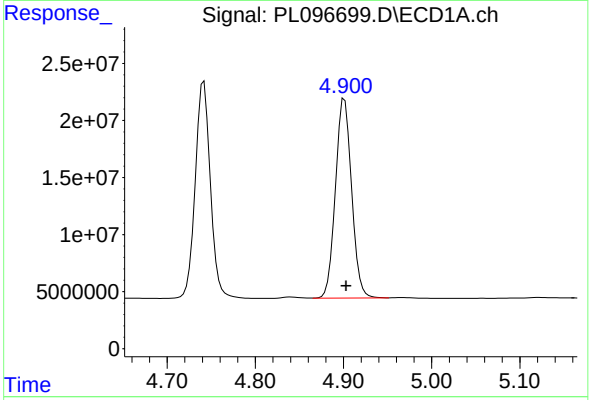


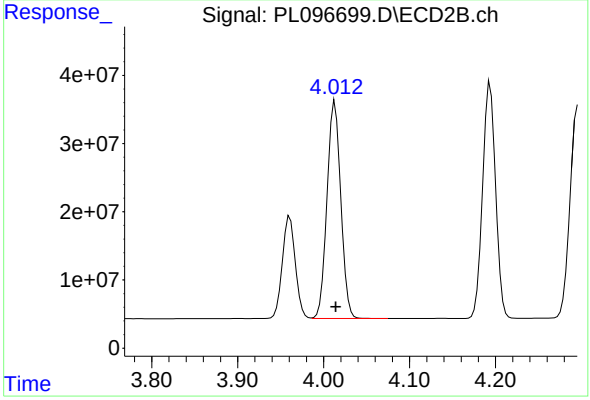
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 370625594
Conc: 56.13 ng/ml



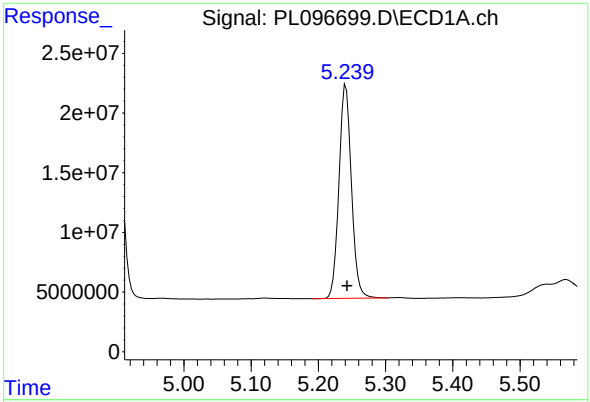
#4 Heptachlor

R.T.: 4.901 min
Delta R.T.: -0.002 min
Response: 222520290
Conc: 53.55 ng/ml



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 353667828
Conc: 53.09 ng/ml



#5 Aldrin

R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 229868554
Conc: 53.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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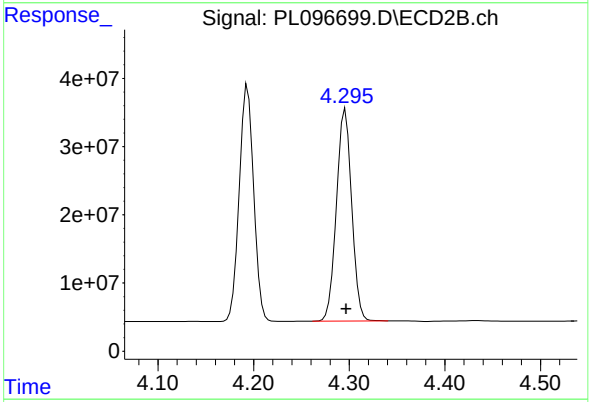
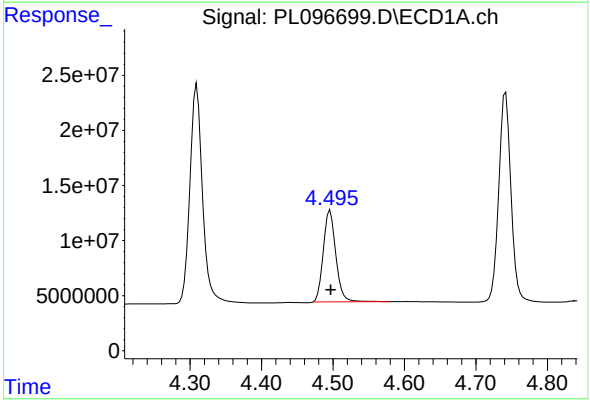


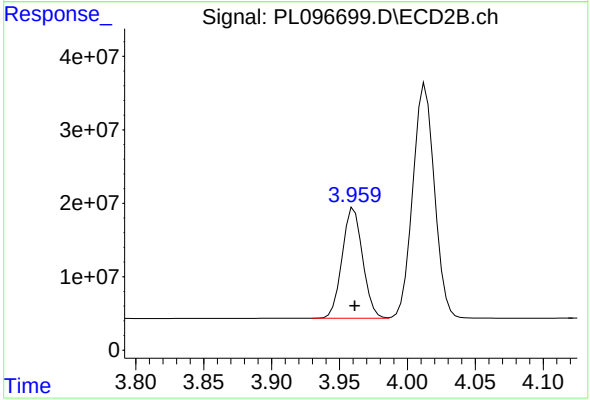
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: 0.000 min
Response: 346055593
Conc: 55.75 ng/ml



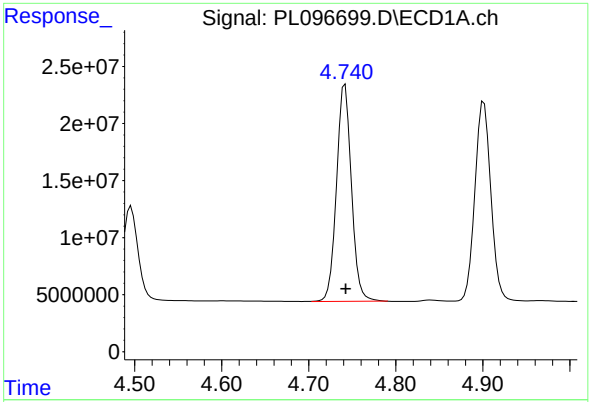
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 101645411
Conc: 56.31 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 157547296
Conc: 55.85 ng/ml



#7 delta-BHC

R.T.: 4.740 min
Delta R.T.: -0.002 min
Response: 226526063
Conc: 56.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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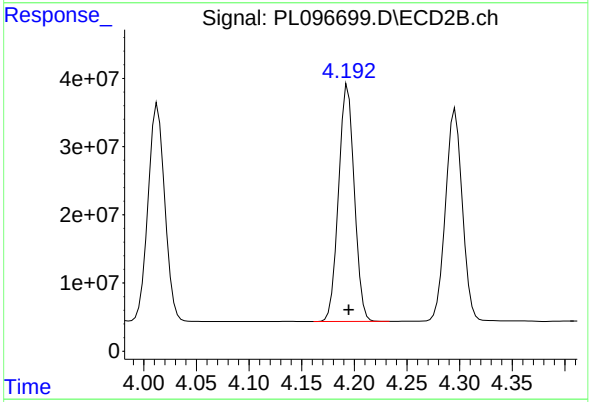
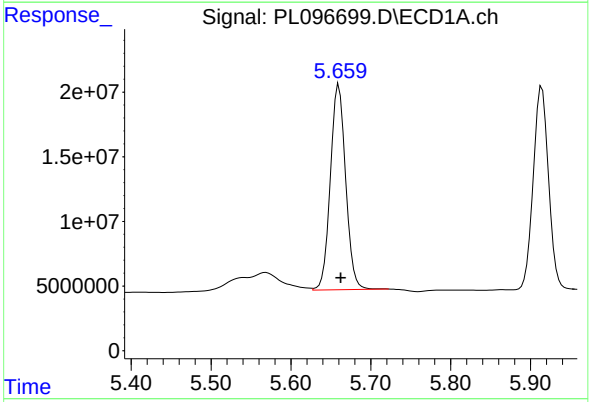


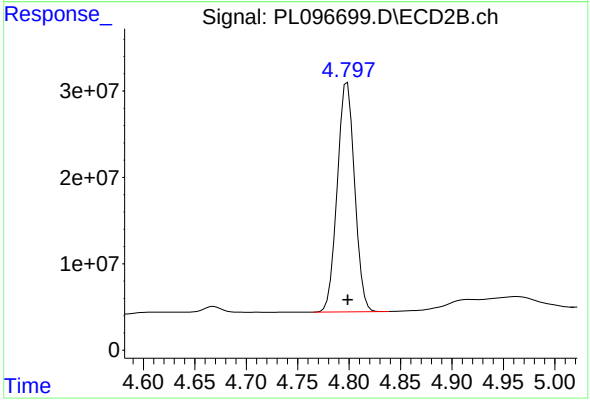
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: 0.000 min
Response: 362722136
Conc: 56.03 ng/ml



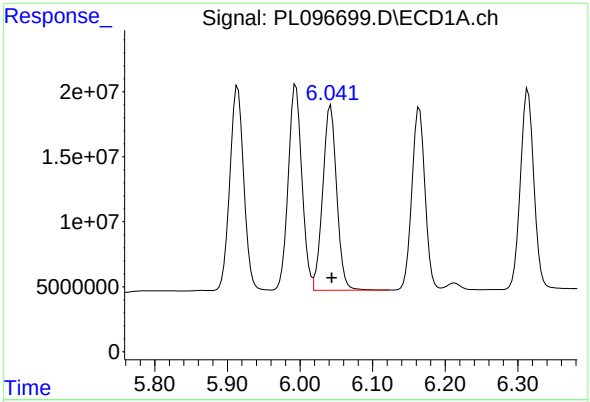
#8 Heptachlor epoxide

R.T.: 5.660 min
Delta R.T.: -0.002 min
Response: 211189699
Conc: 54.76 ng/ml



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 312100783
Conc: 54.65 ng/ml



#9 Endosulfan I

R.T.: 6.042 min
Delta R.T.: -0.001 min
Response: 191192610
Conc: 53.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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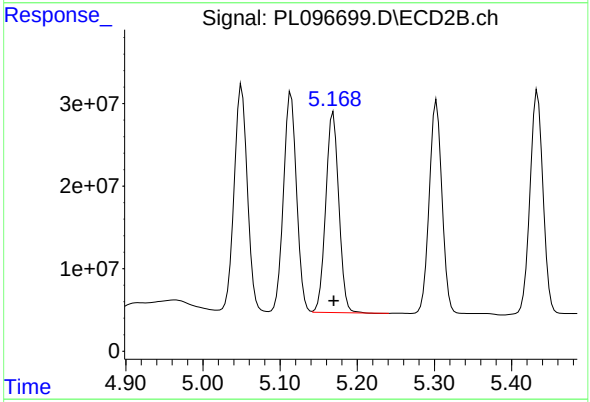
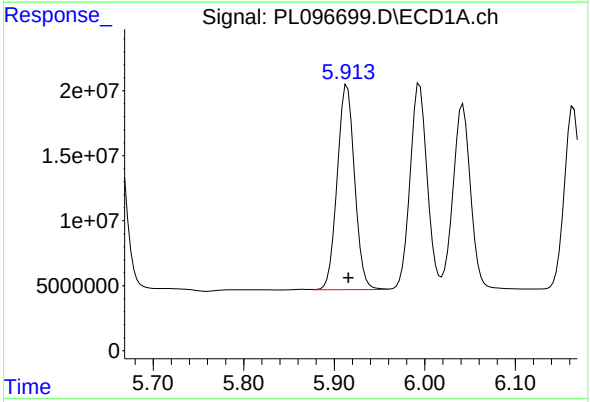


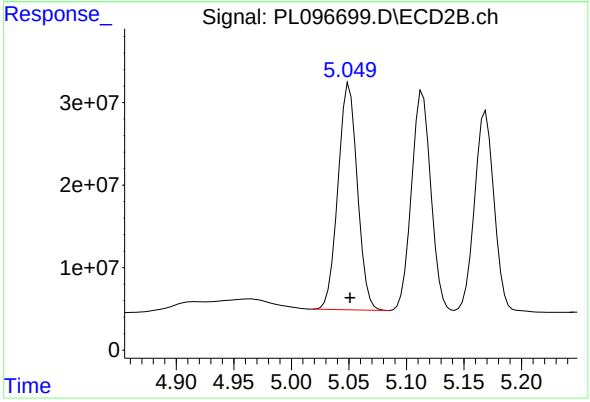
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 286237471
Conc: 51.75 ng/ml



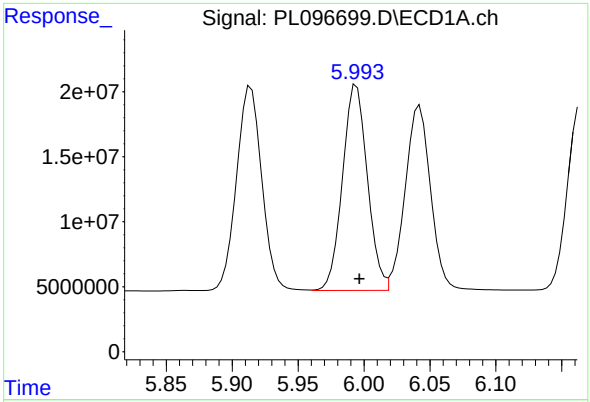
#10 gamma-Chlordane

R.T.: 5.914 min
Delta R.T.: -0.002 min
Response: 210446499
Conc: 55.30 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 322332033
Conc: 54.82 ng/ml



#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.002 min
Response: 207613294
Conc: 53.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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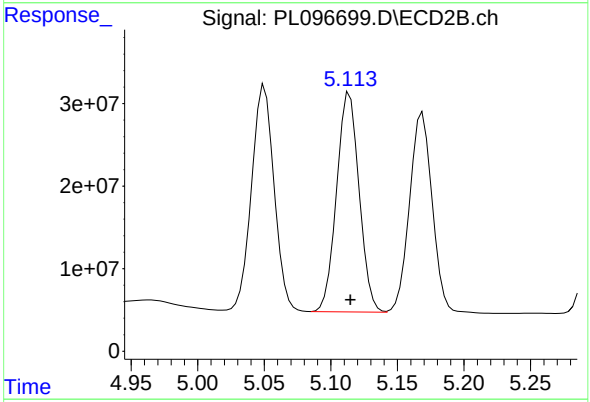
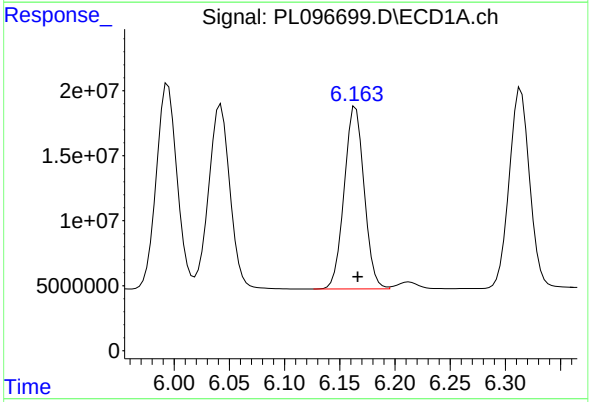


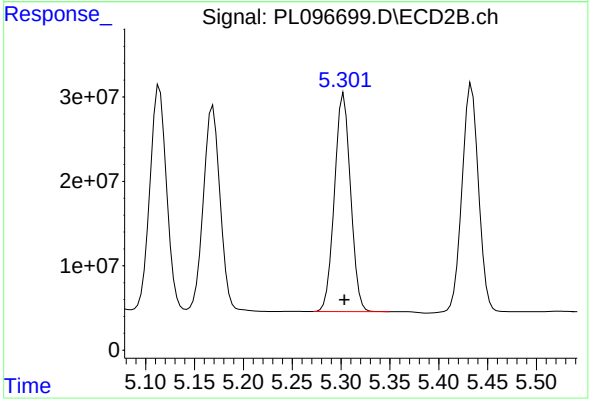
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 313089399
Conc: 53.08 ng/ml



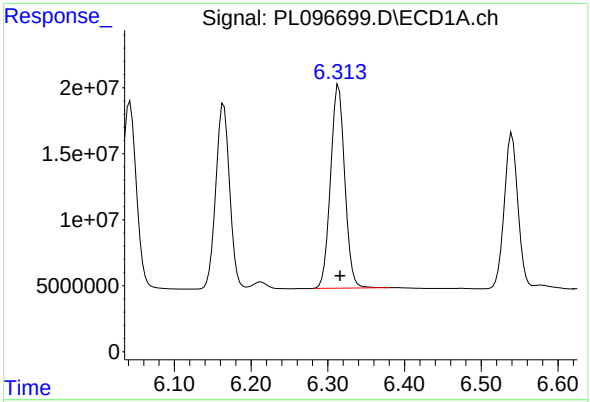
#12 4,4'-DDE

R.T.: 6.164 min
Delta R.T.: -0.002 min
Response: 176167635
Conc: 54.86 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 296674457
Conc: 53.80 ng/ml



#13 Dieldrin

R.T.: 6.314 min
Delta R.T.: -0.002 min
Response: 198408521
Conc: 53.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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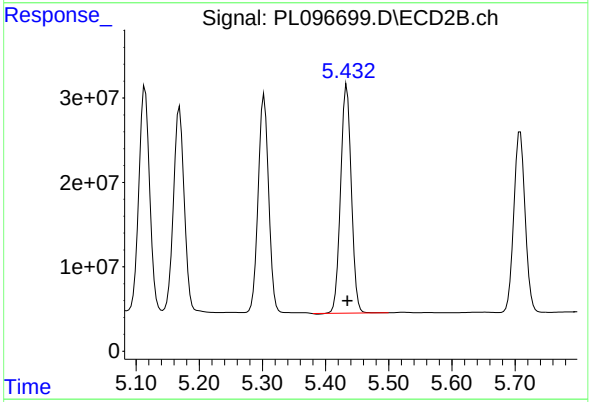
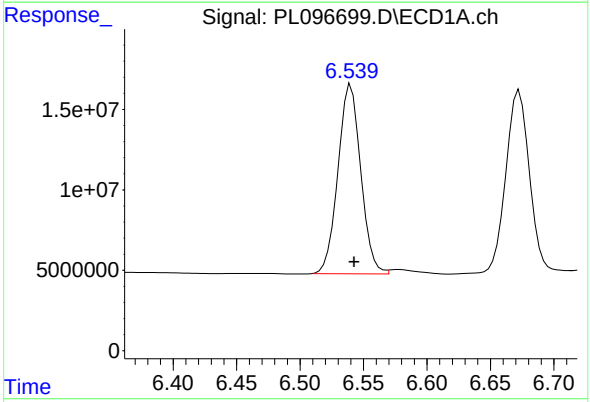
Supervised By :mohammad ahmed 08/05/2025



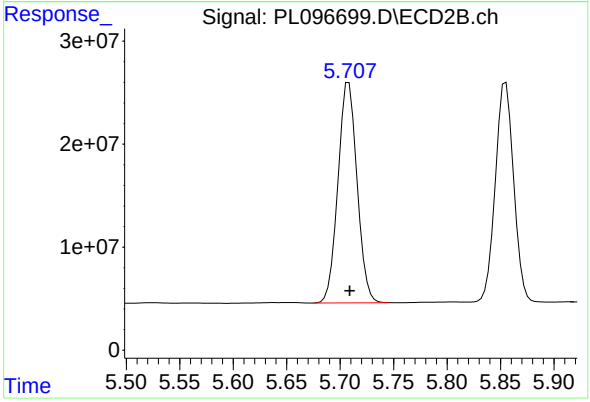
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 318056564
Conc: 53.85 ng/ml



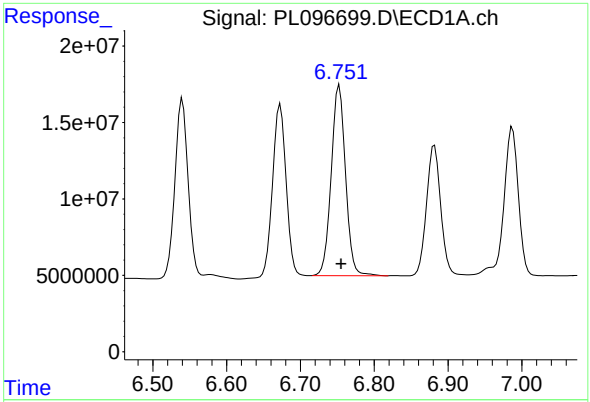
#14 Endrin

R.T.: 6.540 min
Delta R.T.: -0.002 min
Response: 147078394
Conc: 48.59 ng/ml



#14 Endrin

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 266362853
Conc: 49.27 ng/ml



#15 Endosulfan II

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 167890054
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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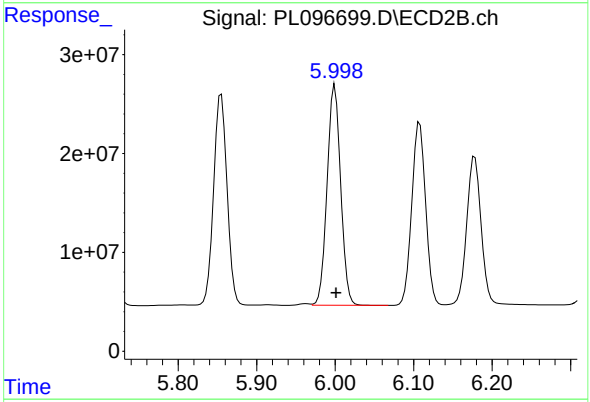
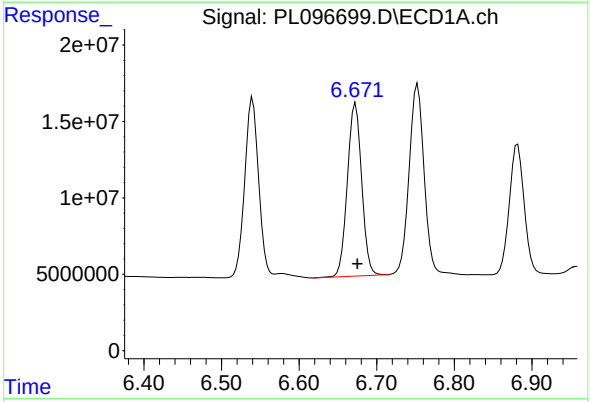


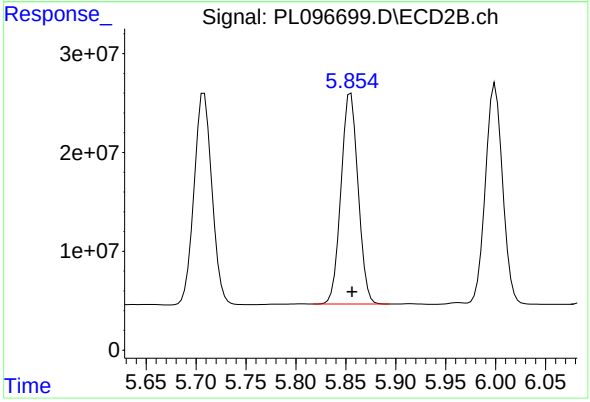
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.001 min
Response: 267775836
Conc: 52.13 ng/ml



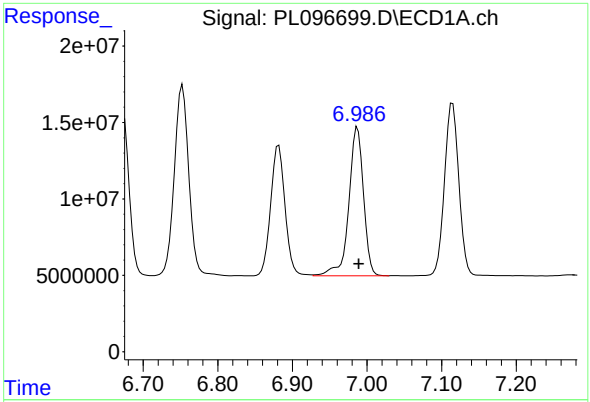
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 145237915
Conc: 57.44 ng/ml



#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.001 min
Response: 253986662
Conc: 53.98 ng/ml



#17 4,4'-DDT

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 132950614
Conc: 46.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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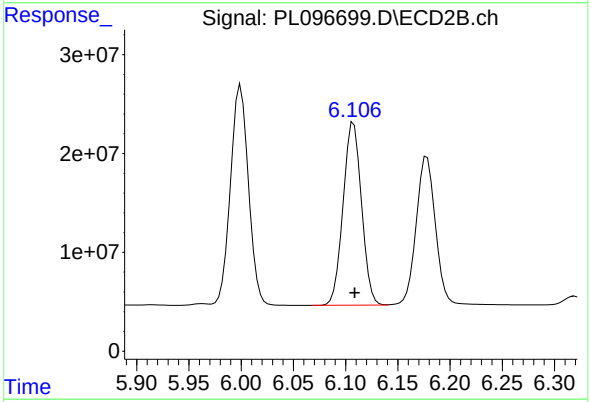
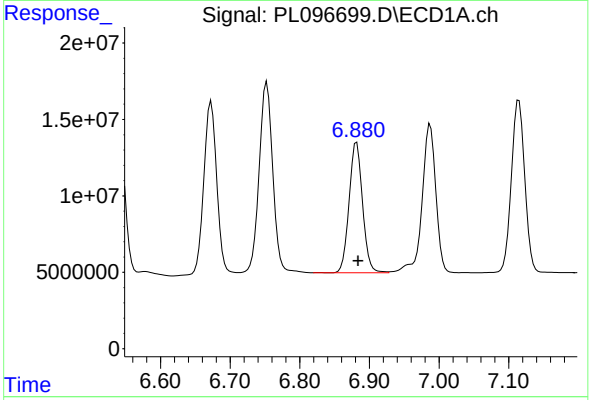


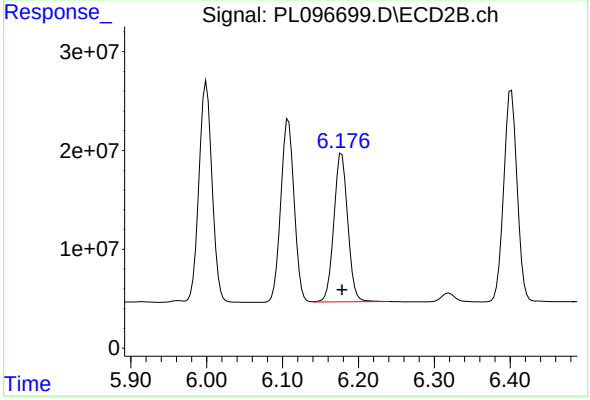
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.001 min
Response: 226883011
Conc: 44.85 ng/ml



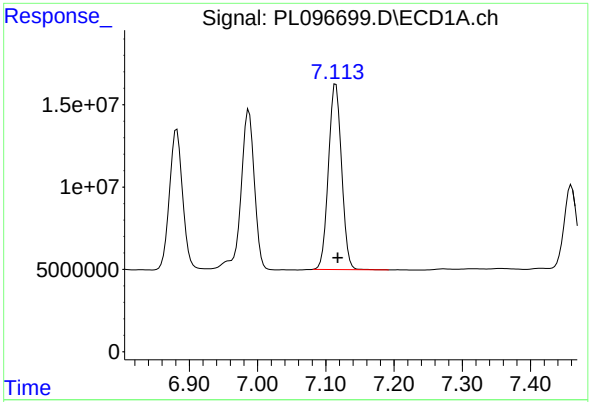
#18 Endrin aldehyde

R.T.: 6.882 min
Delta R.T.: -0.002 min
Response: 114477799
Conc: 53.35 ng/ml



#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 191511387
Conc: 51.68 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 150611778
Conc: 52.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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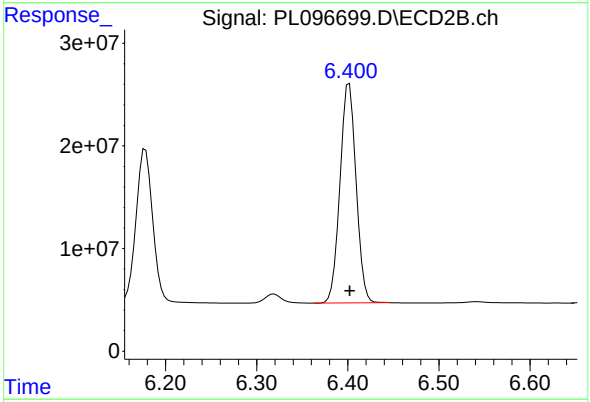
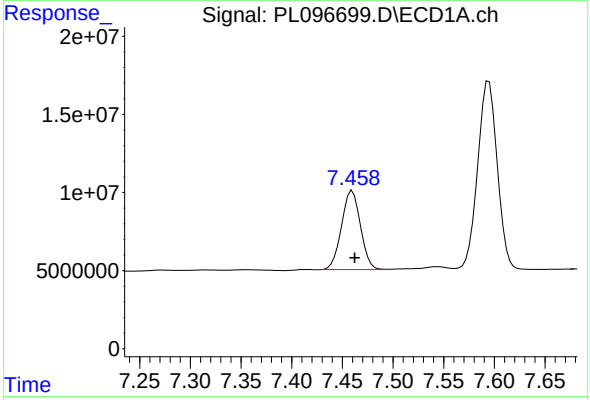
Supervised By :mohammad ahmed 08/05/2025



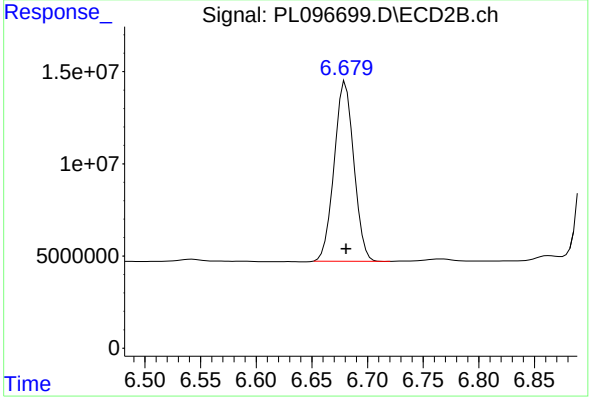
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 262384052
Conc: 51.59 ng/ml



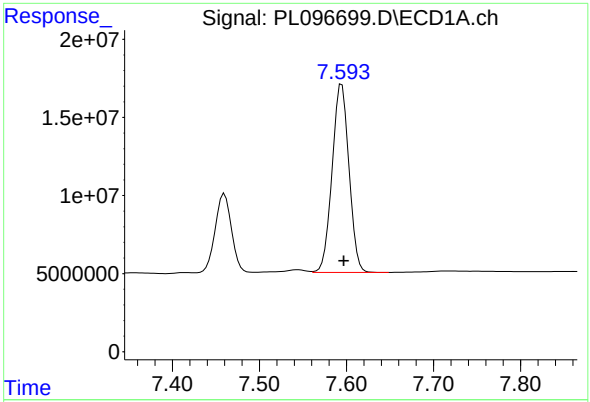
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 65530172
Conc: 44.63 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 119701858
Conc: 43.68 ng/ml



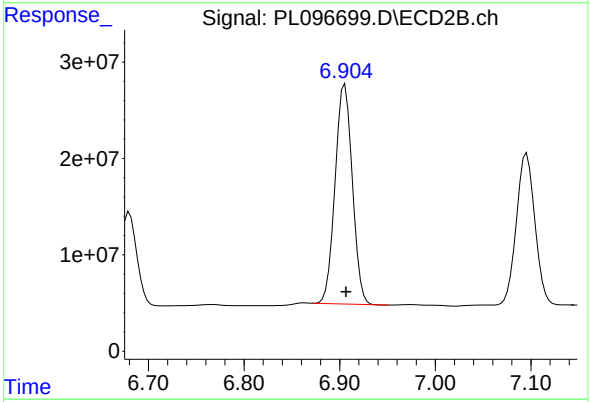
#21 Endrin ketone

R.T.: 7.595 min
Delta R.T.: -0.002 min
Response: 162598588
Conc: 54.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

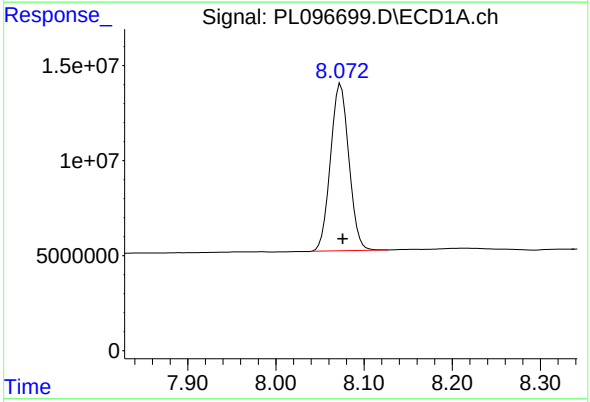
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



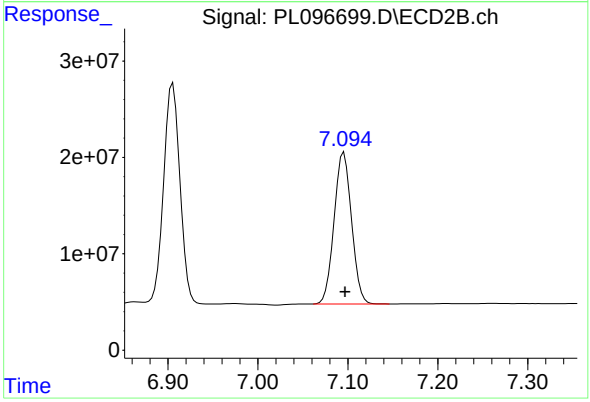
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 285921587
Conc: 51.33 ng/ml



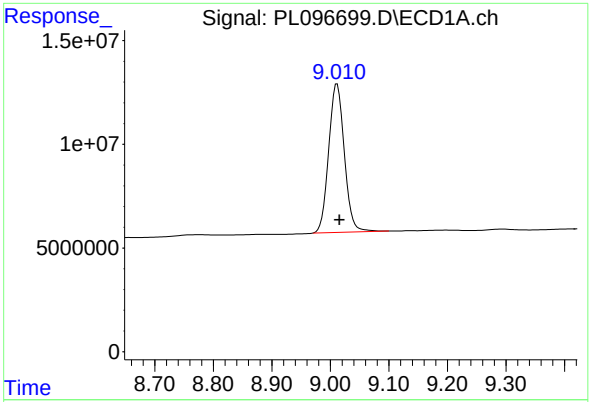
#22 Mirex

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 127461125
Conc: 51.41 ng/ml



#22 Mirex

R.T.: 7.096 min
Delta R.T.: -0.001 min
Response: 212079094
Conc: 48.63 ng/ml



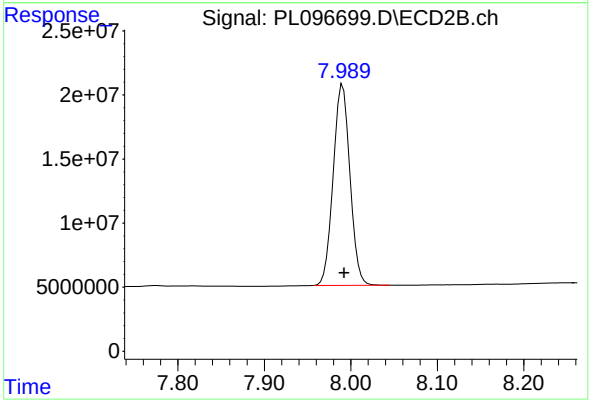
#28 Decachlorobiphenyl

R.T.: 9.011 min
Delta R.T.: -0.004 min
Response: 133014625
Conc: 55.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.001 min
Response: 210019624
Conc: 48.41 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089686.D **Date Analyzed:** 07/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.070	8.970	9.170	21.540	20.000	7.7
Tetrachloro-m-xylene	3.548	3.500	3.600	20.670	20.000	3.4
alpha-BHC	3.997	3.950	4.050	9.820	10.000	-1.8
beta-BHC	4.514	4.460	4.560	10.760	10.000	7.6
gamma-BHC (Lindane)	4.328	4.280	4.380	10.080	10.000	0.8
Endrin	6.572	6.500	6.640	54.730	50.000	9.5
4,4'-DDT	7.020	6.950	7.090	108.560	100.000	8.6
Methoxychlor	7.491	7.420	7.560	258.930	250.000	3.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089686.D **Date Analyzed:** 07/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.068	7.970	8.170	22.080	20.000	10.4
Tetrachloro-m-xylene	2.878	2.830	2.930	21.990	20.000	10.0
alpha-BHC	3.390	3.340	3.440	11.660	10.000	16.6
beta-BHC	4.022	3.970	4.070	11.840	10.000	18.4
gamma-BHC (Lindane)	3.726	3.680	3.780	11.700	10.000	17.0
Endrin	5.785	5.710	5.860	54.470	50.000	8.9
4,4'-DDT	6.179	6.110	6.250	108.020	100.000	8.0
Methoxychlor	6.750	6.680	6.820	237.190	250.000	-5.1

PEM

Data File: PD089686.D **Date Acquired** 7/31/2025 10:47

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	195800927	198957010.7	3156083.71	**1.59**
Endrin aldehyde	6.92	642295.992			
Endrin ketone	7.63	2513787.715			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1085241845	1112231636	26989790.8	**2.43**
Endrin aldehyde #2	6.25	9551952.382			
Endrin ketone #2	6.98	17437838.39			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	364771708.3	367822517.1	3050808.84	**0.83**
4,4'-DDE	6.20	669534.489			
4,4'-DDD	6.70	2381274.353			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1984665033	2003214267	18549234.1	**0.93**
4,4'-DDE #2	5.37	2329969.565			
4,4'-DDD #2	5.93	16219264.57			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.878	50972762	348.2E6	20.665	21.988
28)	SA Decachlor...	9.070	8.068	80035568	443.4E6	21.537	22.084
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	48629241	283.5E6	9.817	11.664
3)	MA gamma-BHC...	4.328	3.726	47886972	263.6E6	10.076	11.702
6)	B beta-BHC	4.514	4.022	19846516	114.3E6	10.759	11.842
12)	B 4,4'-DDE	6.196	5.371	669534	2329970	0.180m	0.110m#
14)	MA Endrin	6.572	5.785	195.8E6	1085.2E6	54.728	54.466
16)	A 4,4'-DDD	6.703	5.926	2381274	16219265	0.795	0.920m
17)	MA 4,4'-DDT	7.020	6.179	364.8E6	1984.7E6	108.555	108.023
18)	B Endrin al...	6.915	6.253	642296	9551952	0.257	0.739 #
20)	A Methoxychlor	7.491	6.750	463.0E6	2323.4E6	258.926	237.192
21)	B Endrin ke...	7.627	6.985	2513788	17437838	0.677m	0.869m#

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

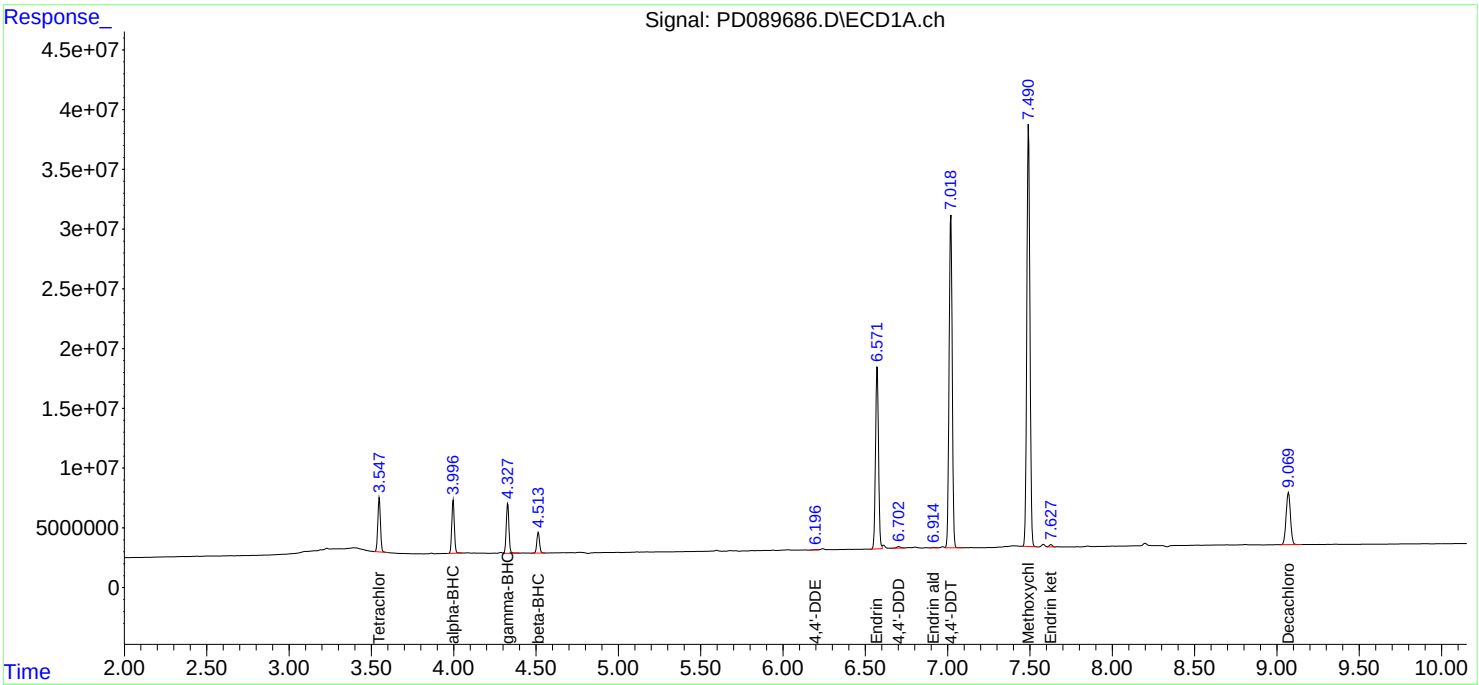
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

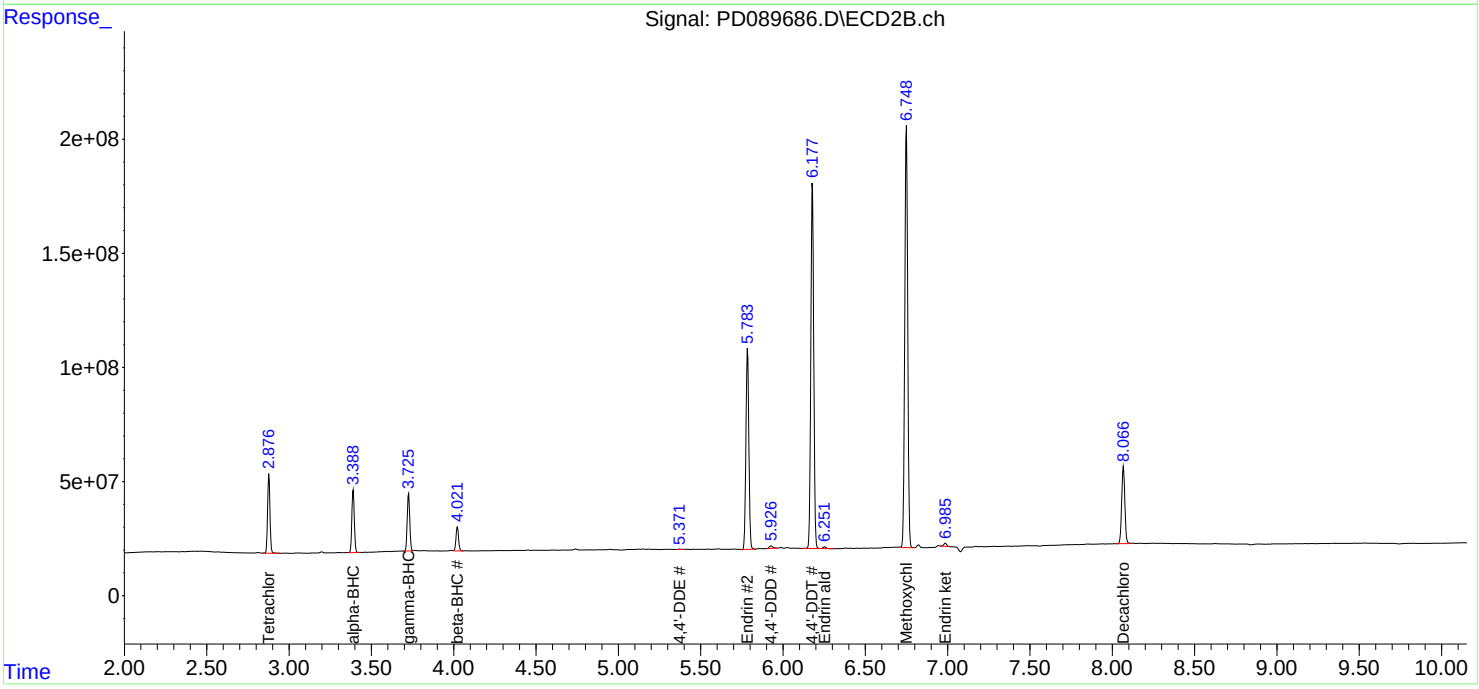
Instrument :
ECD_D
ClientSampleId :
PEM

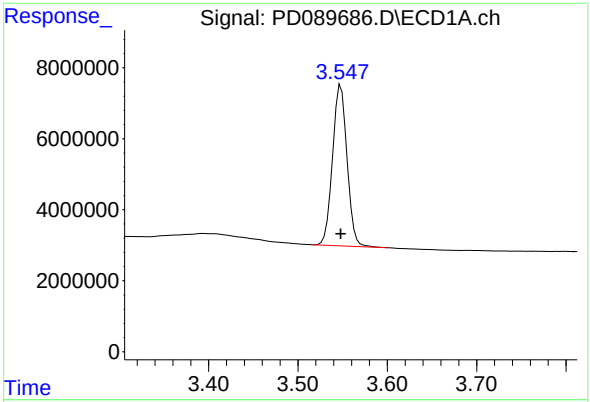
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







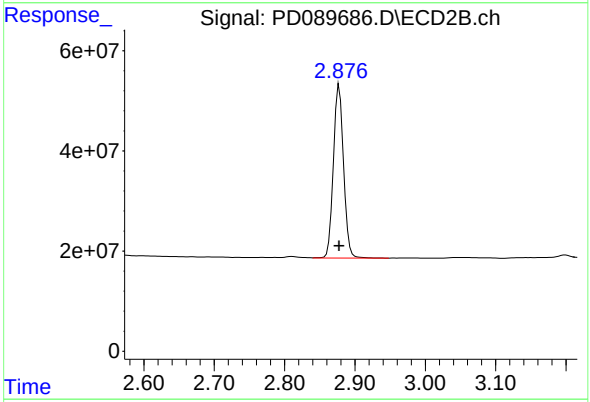
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 50972762
Conc: 20.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

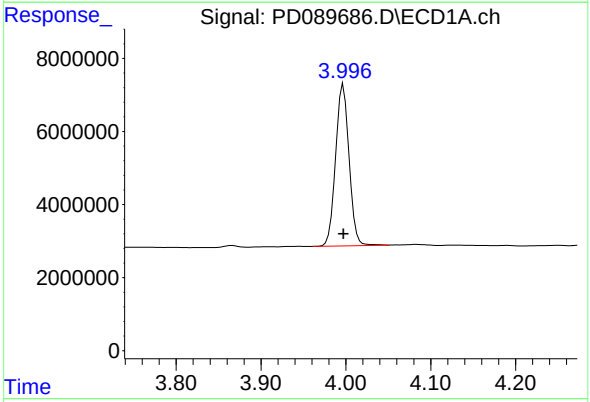
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



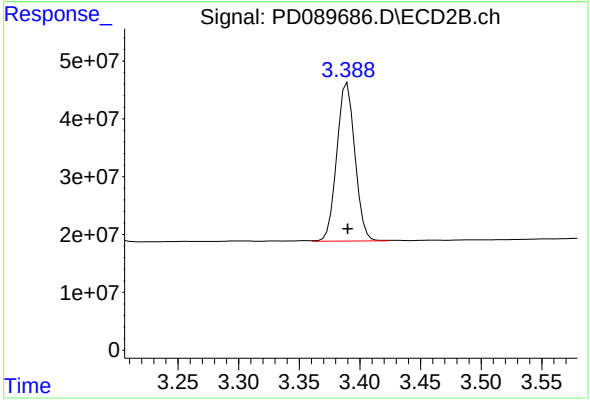
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 348246363
Conc: 21.99 ng/ml



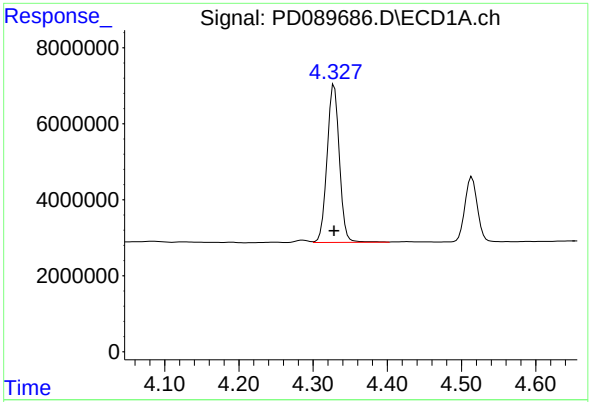
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 48629241
Conc: 9.82 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 283494256
Conc: 11.66 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 47886972
Conc: 10.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
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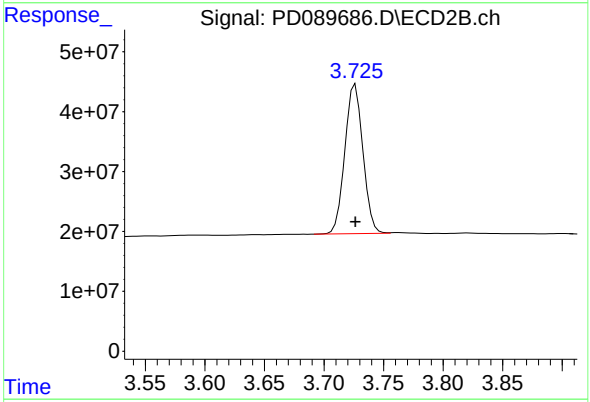
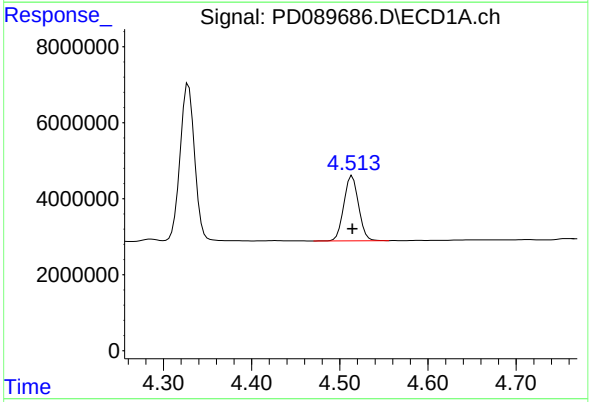
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



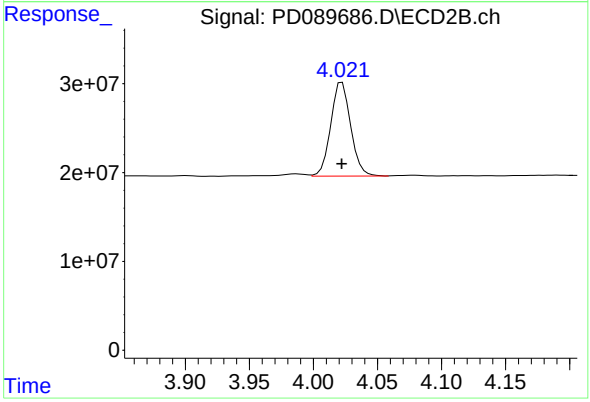
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 263580713
Conc: 11.70 ng/ml



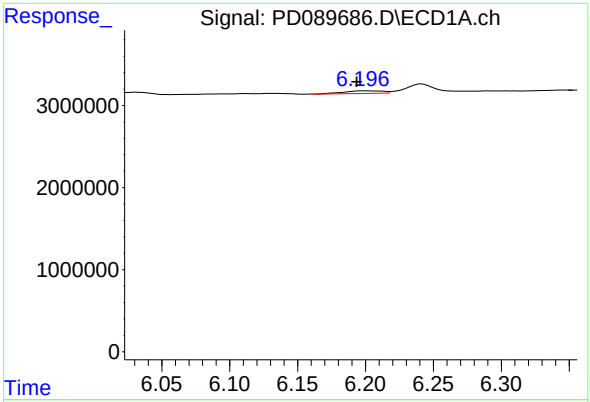
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 19846516
Conc: 10.76 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 114263731
Conc: 11.84 ng/ml



#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.002 min
Response: 669534
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
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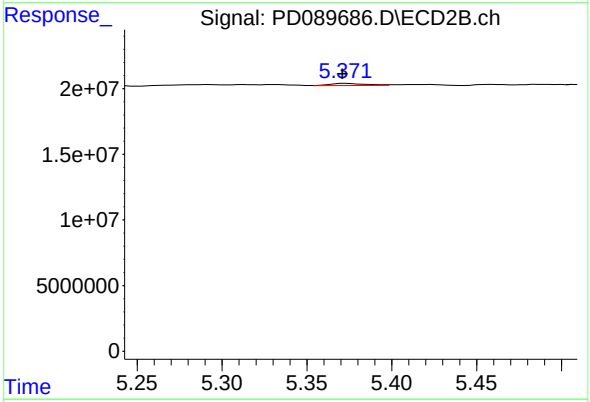
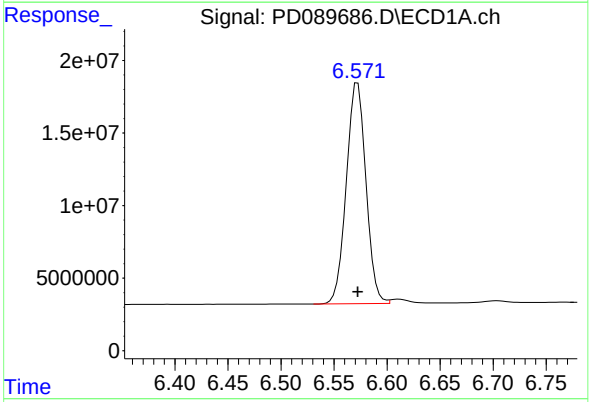
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



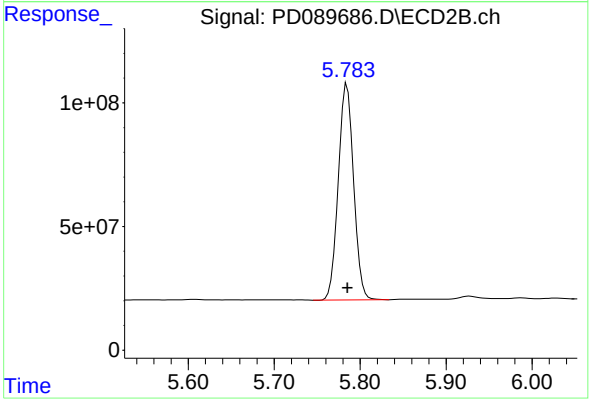
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 2329970
Conc: 0.11 ng/ml m



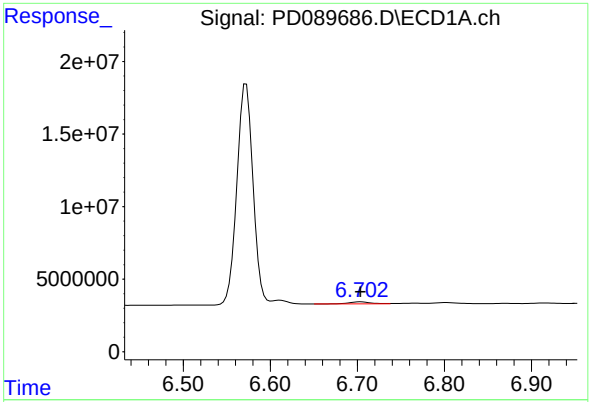
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 195800927
Conc: 54.73 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1085241845
Conc: 54.47 ng/ml



#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 2381274
Conc: 0.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
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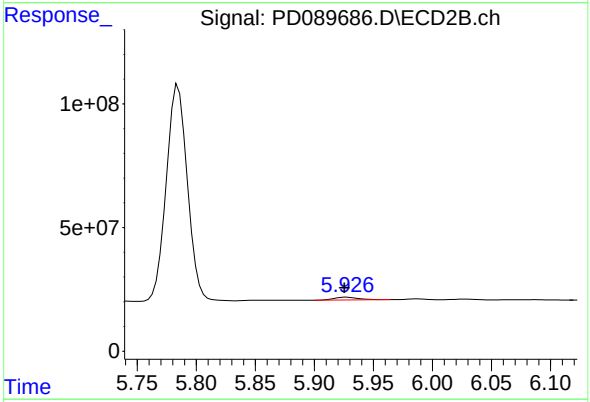
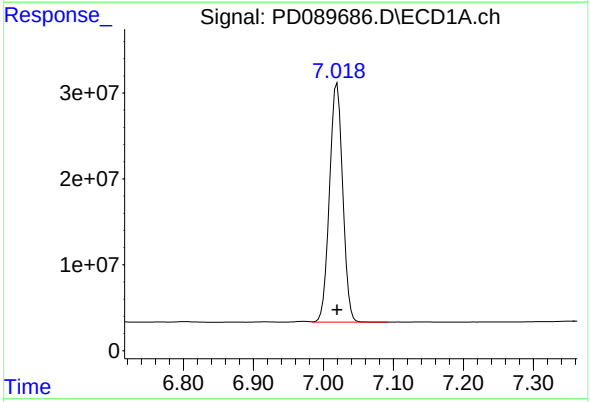
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



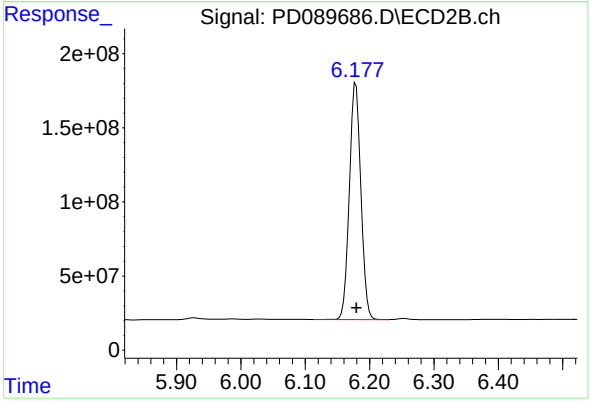
#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 16219265
Conc: 0.92 ng/ml m



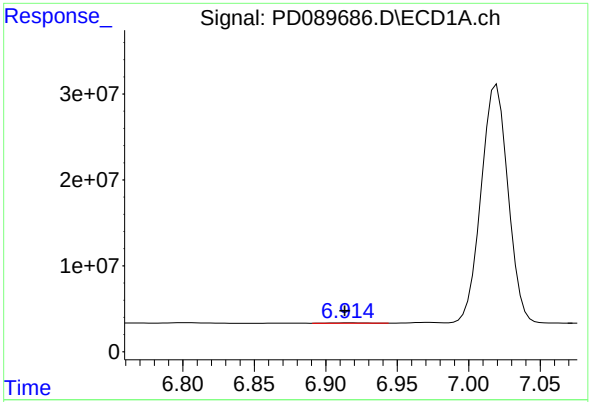
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 364771708
Conc: 108.56 ng/ml



#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1984665033
Conc: 108.02 ng/ml



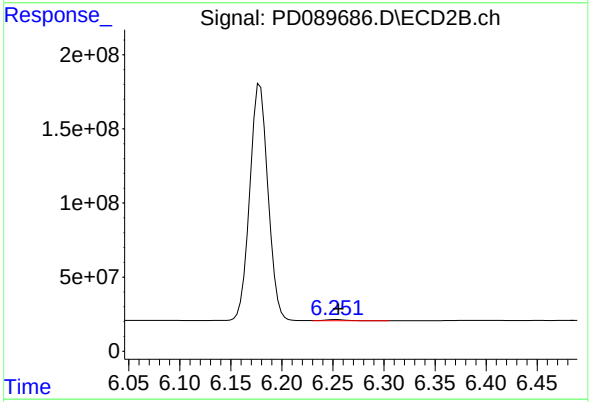
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 642296
Conc: 0.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

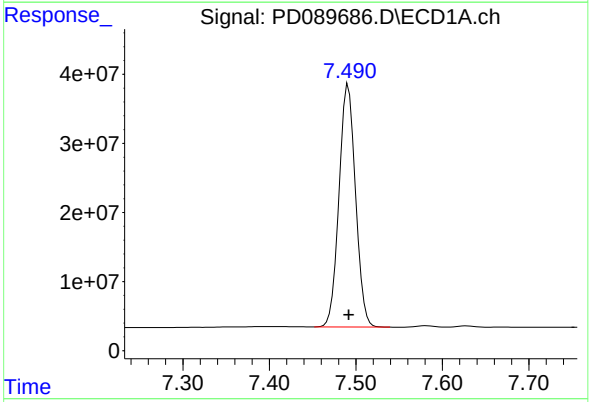
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



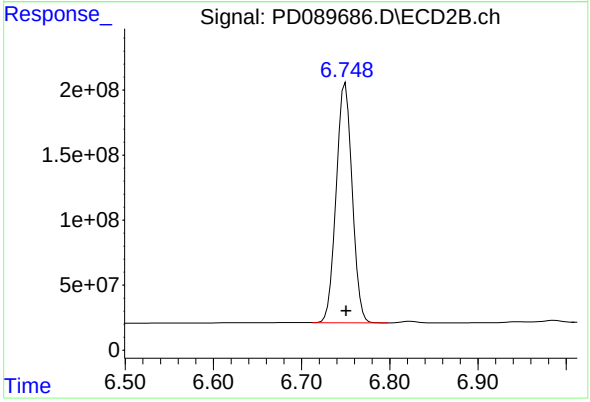
#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 9551952
Conc: 0.74 ng/ml



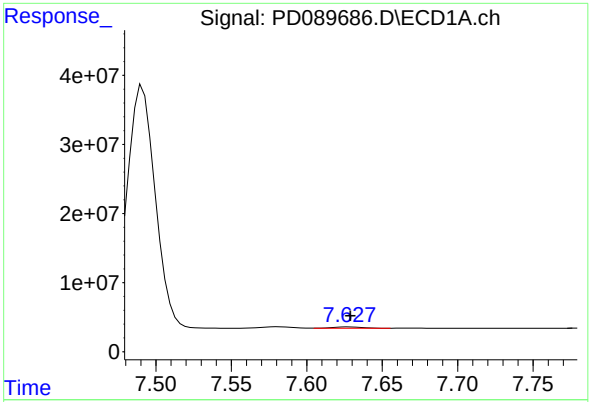
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 462952824
Conc: 258.93 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 2323412506
Conc: 237.19 ng/ml



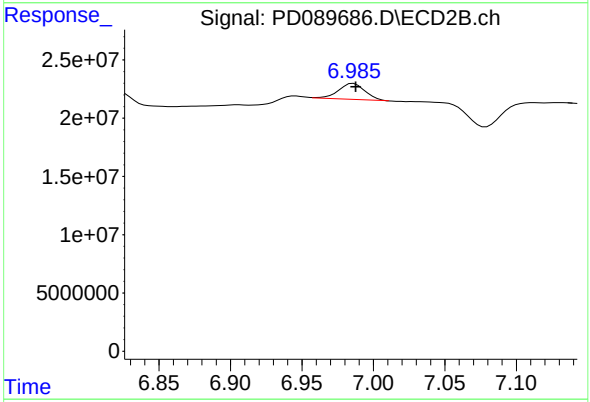
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 2513788
Conc: 0.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

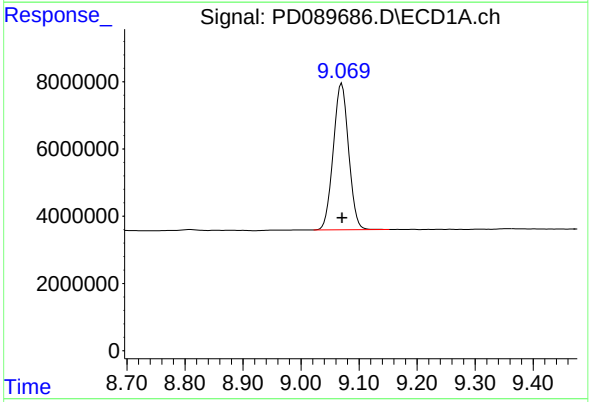
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



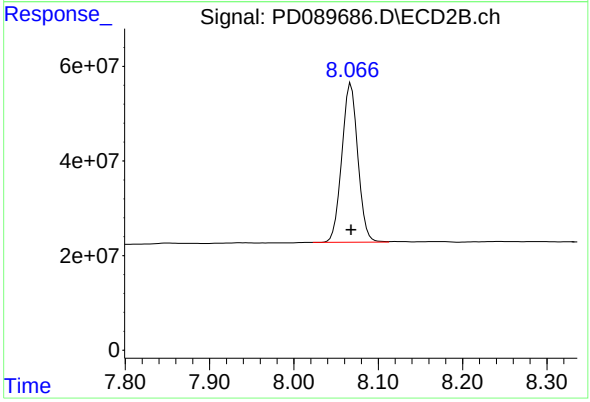
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 17437838
Conc: 0.87 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 80035568
Conc: 21.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 443406662
Conc: 22.08 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089767.D **Date Analyzed:** 08/06/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:36

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.970	9.170	20.940	20.000	4.7
Tetrachloro-m-xylene	3.555	3.500	3.610	20.120	20.000	0.6
alpha-BHC	4.004	3.950	4.050	9.620	10.000	-3.8
beta-BHC	4.521	4.470	4.570	10.850	10.000	8.5
gamma-BHC (Lindane)	4.335	4.280	4.390	9.840	10.000	-1.6
Endrin	6.578	6.510	6.650	48.410	50.000	-3.2
4,4'-DDT	7.025	6.950	7.100	95.140	100.000	-4.9
Methoxychlor	7.496	7.430	7.570	221.280	250.000	-11.5

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089767.D **Date Analyzed:** 08/06/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:36

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.067	7.970	8.170	23.030	20.000	15.2
Tetrachloro-m-xylene	2.877	2.830	2.930	23.670	20.000	18.4
alpha-BHC	3.389	3.340	3.440	12.700	10.000	27.0
beta-BHC	4.022	3.970	4.070	12.880	10.000	28.8
gamma-BHC (Lindane)	3.726	3.680	3.780	12.640	10.000	26.4
Endrin	5.785	5.710	5.860	54.920	50.000	9.8
4,4'-DDT	6.179	6.110	6.250	110.620	100.000	10.6
Methoxychlor	6.749	6.680	6.820	224.990	250.000	-10.0

PEM

Data File: PD089767.D **Date Acquired** 8/6/2025 9:36

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.58	173182273.1	180669494.1	7487221.06	**4.14**
Endrin aldehyde	6.92	1502029.362			
Endrin ketone	7.63	5985191.694			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1094339875	1182593200	88253324.8	**7.46**
Endrin aldehyde #2	6.25	18960557.69			
Endrin ketone #2	6.98	69292767.11			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	319694898.9	326595729.8	6900830.85	**2.11**
4,4'-DDE	6.20	503718.297			
4,4'-DDD	6.71	6397112.557			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2032406667	2089257602	56850934.6	**2.72**
4,4'-DDE #2	5.37	2407370.727			
4,4'-DDD #2	5.93	54443563.86			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 09:36
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.555	2.877	49620256	374.9E6	20.117	23.673
28)	SA Decachlor...	9.074	8.067	77827584	462.3E6	20.942	23.026
	Target Compounds						
2)	A alpha-BHC	4.004	3.389	47657645	308.6E6	9.621	12.698 #
3)	MA gamma-BHC...	4.335	3.726	46749824	284.8E6	9.837	12.644 #
6)	B beta-BHC	4.521	4.022	20017370	124.2E6	10.851	12.875
12)	B 4,4'-DDE	6.198	5.373	503718	2407371	0.135m	0.114
14)	MA Endrin	6.578	5.785	173.2E6	1094.3E6	48.406	54.922
16)	A 4,4'-DDD	6.709	5.925	6397113	54443564	2.136	3.088m#
17)	MA 4,4'-DDT	7.025	6.179	319.7E6	2032.4E6	95.140	110.621
18)	B Endrin al...	6.919	6.254	1502029	18960558	0.602	1.467 #
20)	A Methoxychlor	7.496	6.749	395.6E6	2203.9E6	221.284	224.990
21)	B Endrin ke...	7.632	6.985	5985192	69292767	1.611m	3.453m#

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

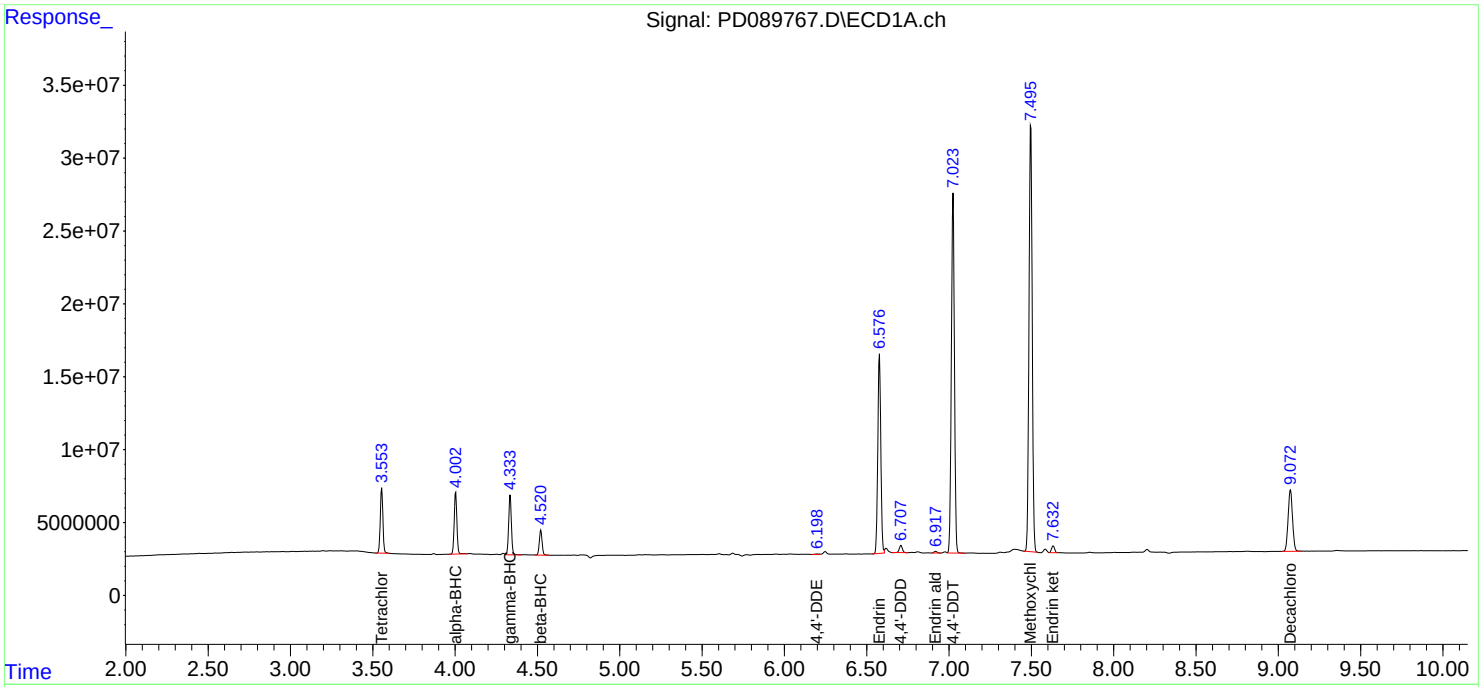
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 09:36
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

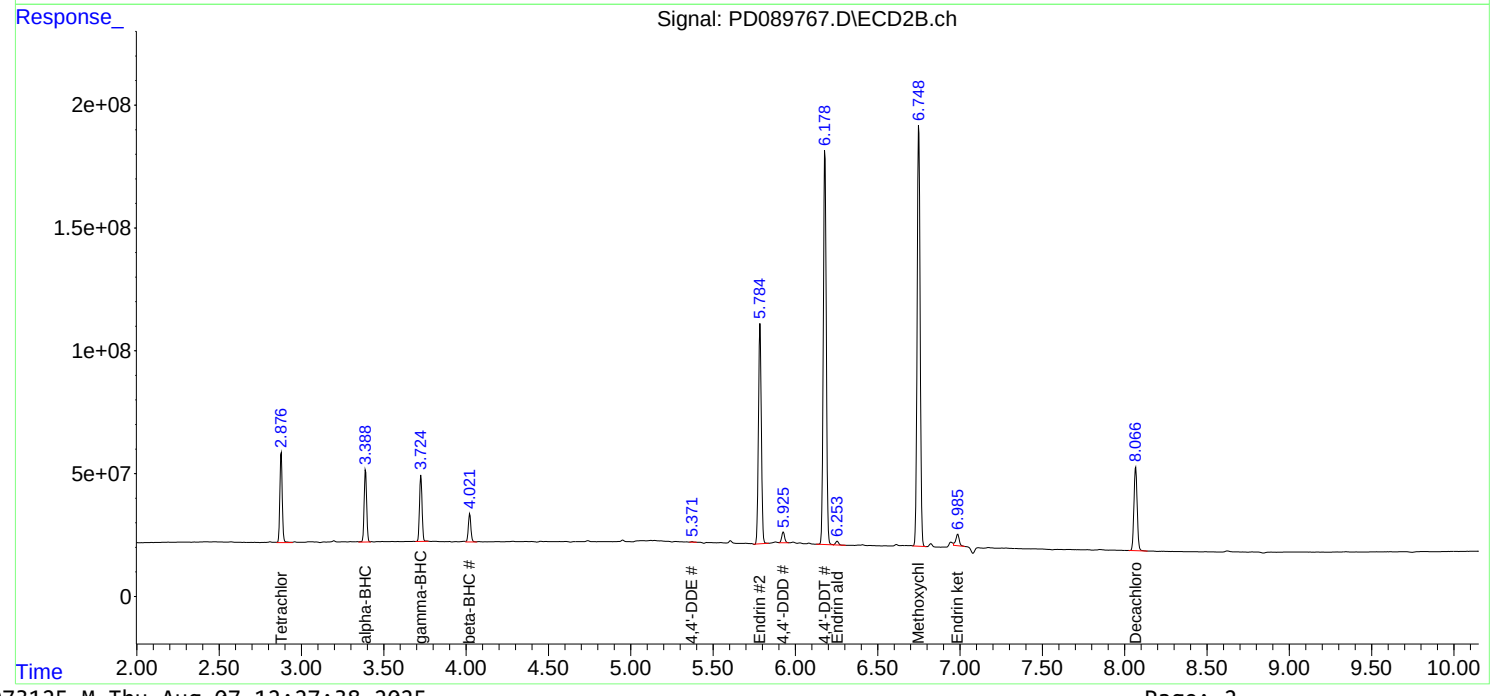
Instrument :
ECD_D
ClientSampleId :
PEM

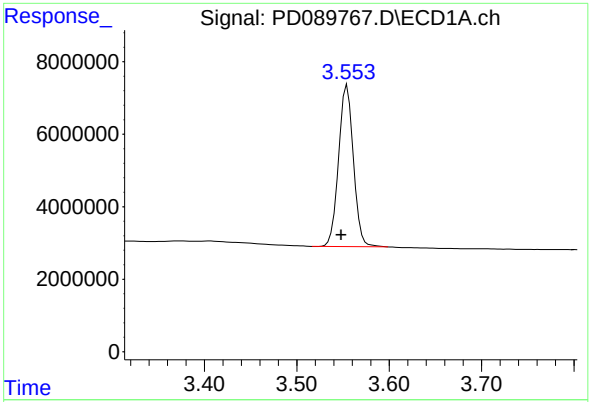
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







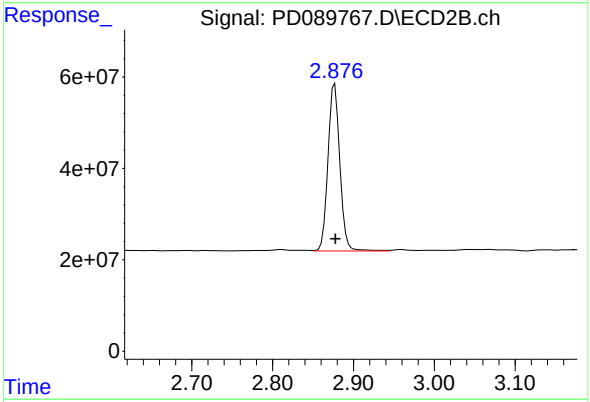
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 49620256
Conc: 20.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

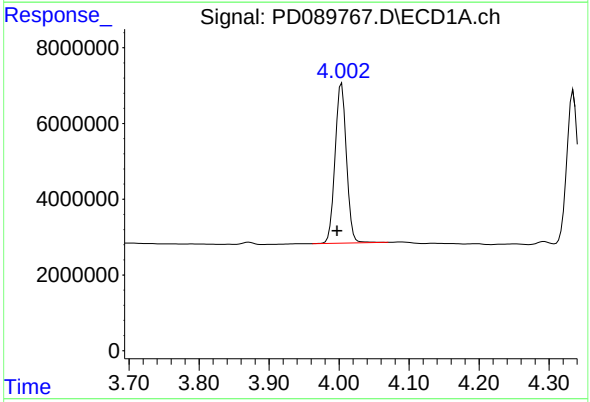
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



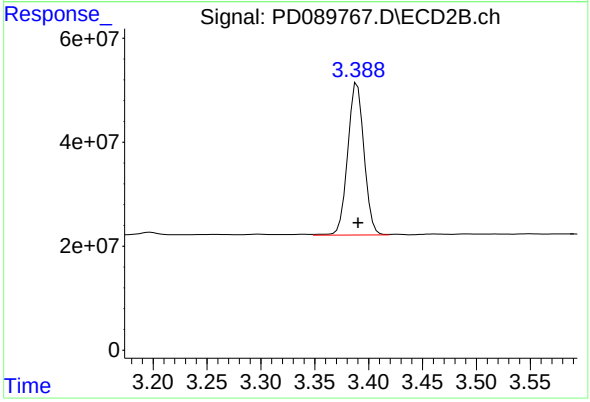
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 374925166
Conc: 23.67 ng/ml



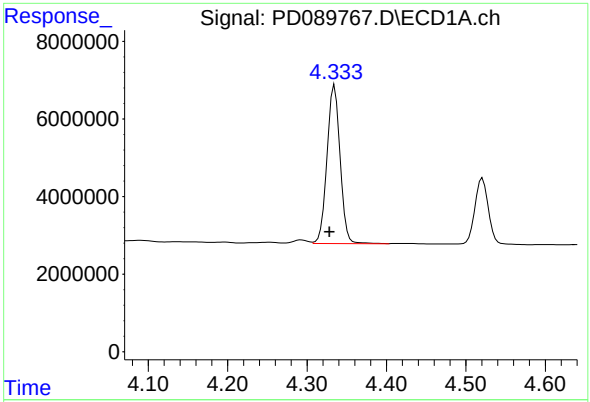
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 47657645
Conc: 9.62 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 308618288
Conc: 12.70 ng/ml



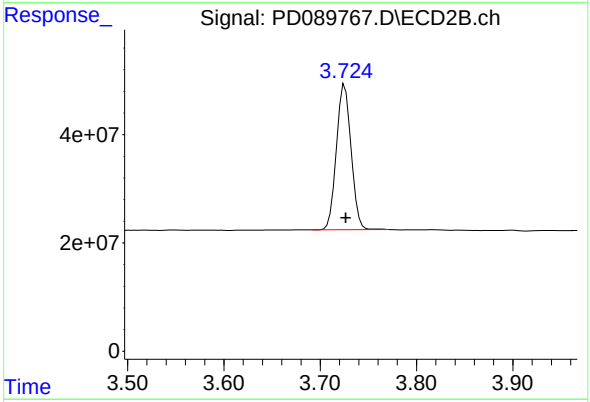
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.006 min
Response: 46749824
Conc: 9.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

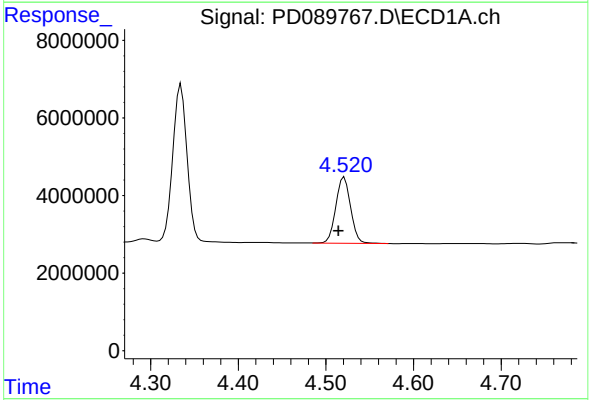
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



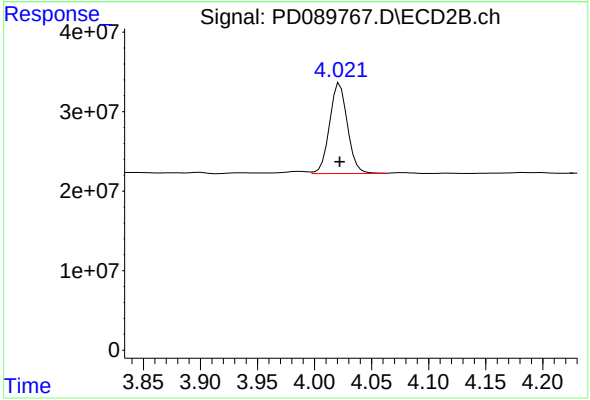
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 284798764
Conc: 12.64 ng/ml



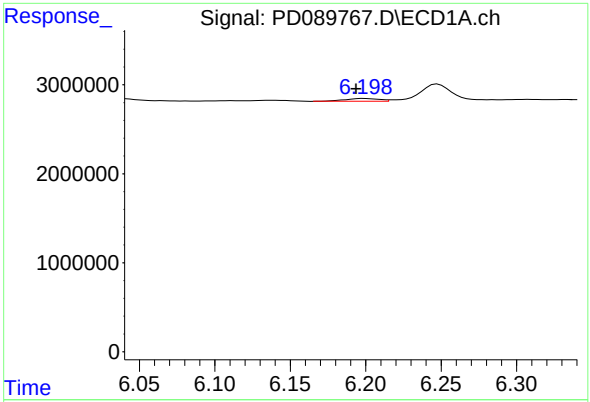
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 20017370
Conc: 10.85 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 124234264
Conc: 12.88 ng/ml



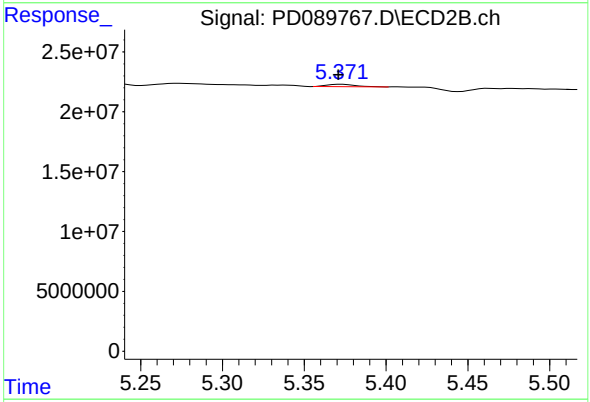
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.005 min
Response: 503718
Conc: 0.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

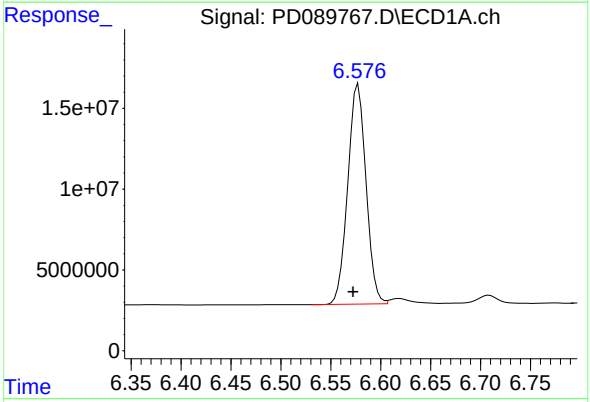
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



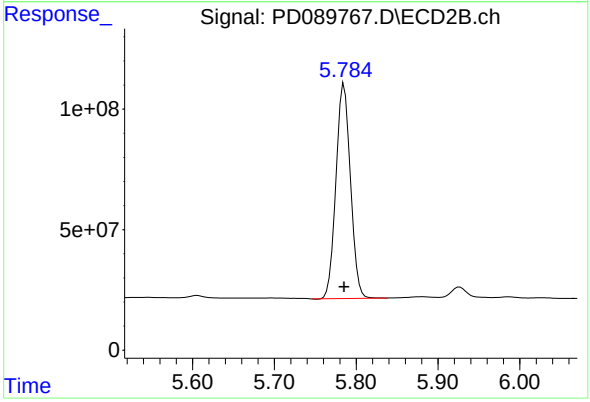
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 2407371
Conc: 0.11 ng/ml



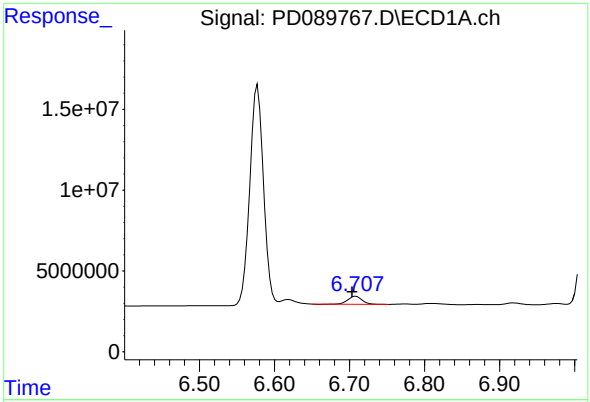
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.005 min
Response: 173182273
Conc: 48.41 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1094339875
Conc: 54.92 ng/ml



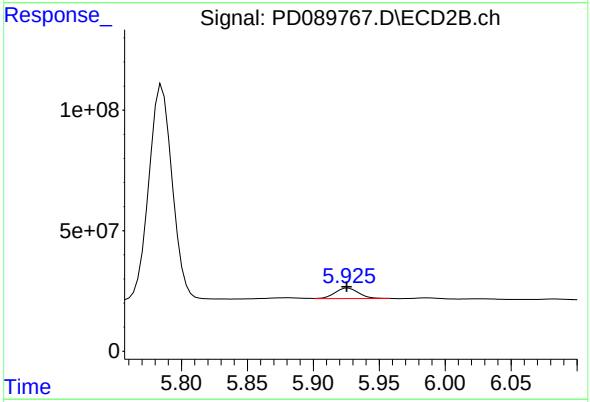
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.005 min
Response: 6397113
Conc: 2.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

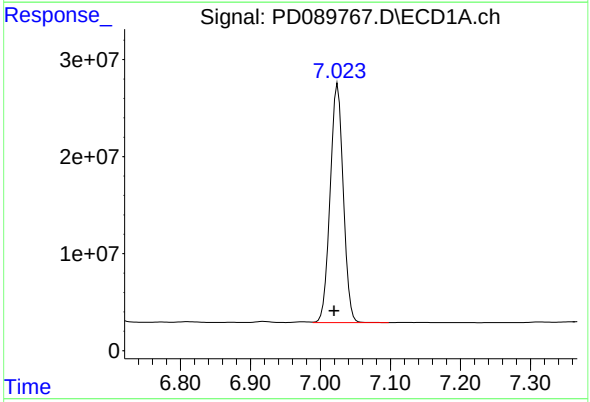
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



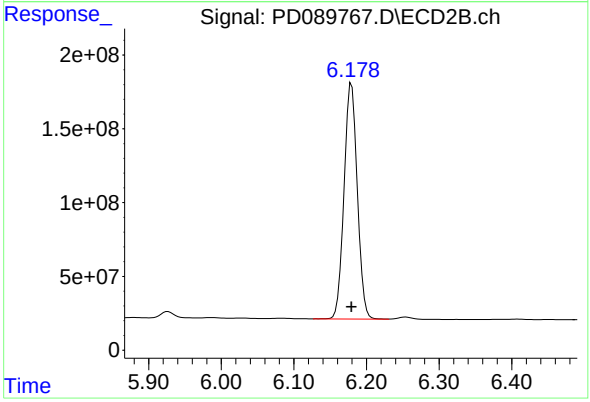
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 54443564
Conc: 3.09 ng/ml m



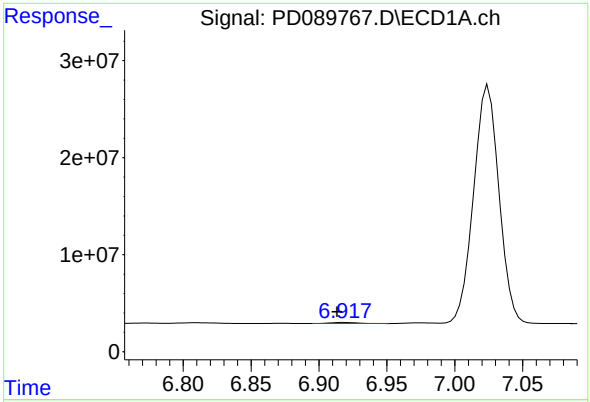
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.005 min
Response: 319694899
Conc: 95.14 ng/ml



#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 2032406667
Conc: 110.62 ng/ml



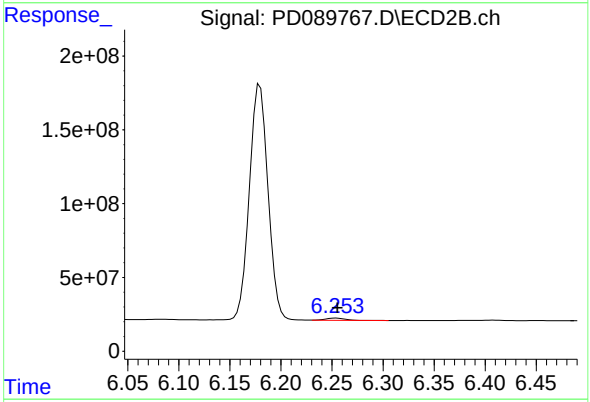
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.006 min
Response: 1502029
Conc: 0.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

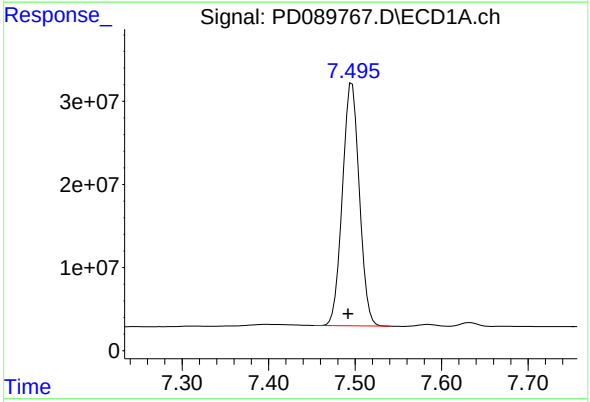
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



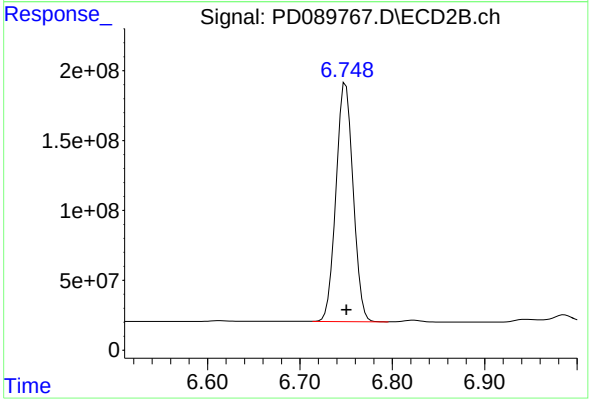
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 18960558
Conc: 1.47 ng/ml



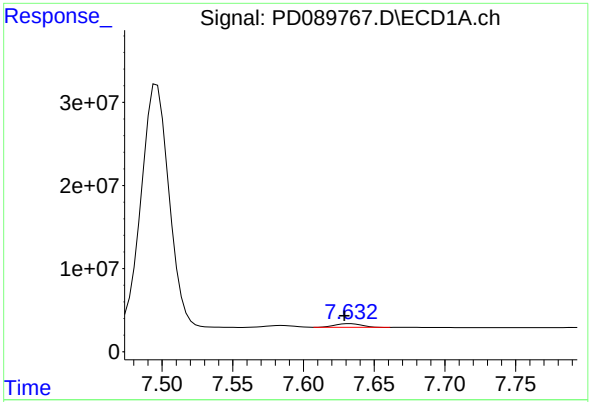
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.005 min
Response: 395649419
Conc: 221.28 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 2203892666
Conc: 224.99 ng/ml



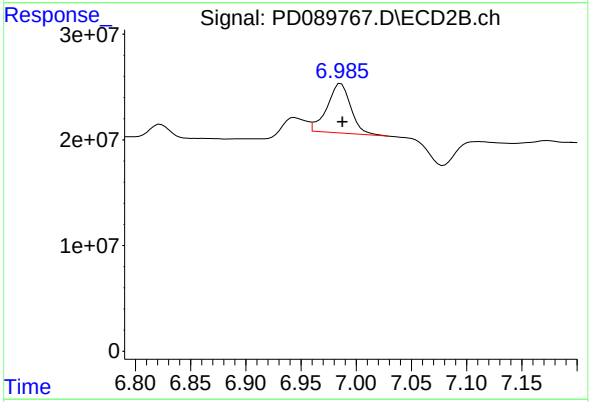
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.003 min
Response: 5985192
Conc: 1.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

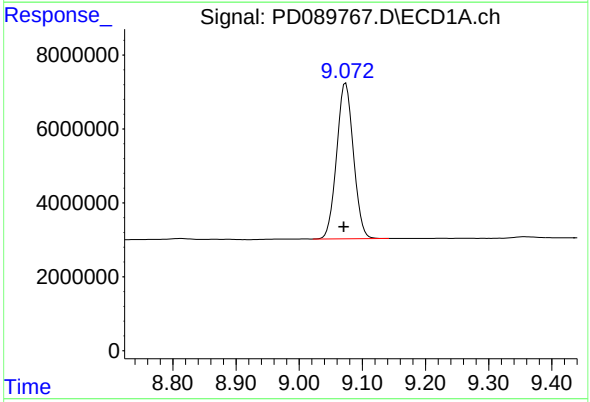
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



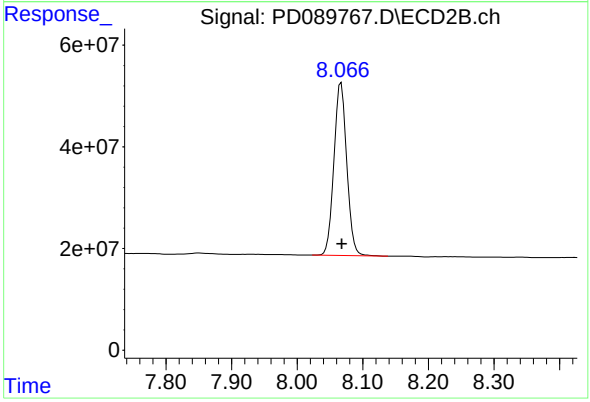
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 69292767
Conc: 3.45 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.003 min
Response: 77827584
Conc: 20.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 462318067
Conc: 23.03 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089788.D **Date Analyzed:** 08/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:55

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.970	9.170	21.010	20.000	5.1
Tetrachloro-m-xylene	3.547	3.500	3.600	21.110	20.000	5.6
alpha-BHC	3.996	3.950	4.050	10.050	10.000	0.5
beta-BHC	4.513	4.460	4.560	11.250	10.000	12.5
gamma-BHC (Lindane)	4.327	4.280	4.380	10.340	10.000	3.4
Endrin	6.570	6.500	6.640	48.680	50.000	-2.6
4,4'-DDT	7.017	6.950	7.090	95.030	100.000	-5.0
Methoxychlor	7.489	7.420	7.560	219.840	250.000	-12.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089788.D **Date Analyzed:** 08/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:55

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.065	7.960	8.170	23.780	20.000	18.9
Tetrachloro-m-xylene	2.877	2.830	2.930	25.220	20.000	26.1
alpha-BHC	3.389	3.340	3.440	13.630	10.000	36.3
beta-BHC	4.021	3.970	4.070	13.550	10.000	35.5
gamma-BHC (Lindane)	3.725	3.670	3.780	13.500	10.000	35.0
Endrin	5.783	5.710	5.850	57.510	50.000	15.0
4,4'-DDT	6.177	6.110	6.250	115.570	100.000	15.6
Methoxychlor	6.747	6.680	6.820	230.450	250.000	-7.8

PEM

Data File: PD089788.D **Date Acquired** 8/7/2025 9:55

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	174178651.4	184437754.4	10259103	**5.56**
Endrin aldehyde	6.91	2461630.496			
Endrin ketone	7.63	7797472.539			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1145879452	1239611814	93732361.8	**7.56**
Endrin aldehyde #2	6.25	24813873.13			
Endrin ketone #2	6.98	68918488.64			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	319317751	330374131.5	11056380.5	**3.35**
4,4'-DDE	6.19	475065.848			
4,4'-DDD	6.70	10581314.7			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2123310358	2209208991	85898632.7	**3.89**
4,4'-DDE #2	5.37	3436767.668			
4,4'-DDD #2	5.92	82461865.07			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 09:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.877	52067655	399.4E6	21.109	25.215
28)	SA Decachlor...	9.066	8.065	78072148	477.4E6	21.008	23.778
	Target Compounds						
2)	A alpha-BHC	3.996	3.389	49803565	331.3E6	10.054	13.633 #
3)	MA gamma-BHC...	4.327	3.725	49118703	304.0E6	10.336	13.496 #
6)	B beta-BHC	4.513	4.021	20756014	130.8E6	11.252	13.555
12)	B 4,4'-DDE	6.190	5.369	475066	3436768	0.127m	0.163m#
14)	MA Endrin	6.570	5.783	174.2E6	1145.9E6	48.684	57.509
16)	A 4,4'-DDD	6.700	5.924	10581315	82461865	3.533	4.677 #
17)	MA 4,4'-DDT	7.017	6.177	319.3E6	2123.3E6	95.028	115.569
18)	B Endrin al...	6.911	6.251	2461630	24813873	0.986	1.921 #
20)	A Methoxychlor	7.489	6.747	393.1E6	2257.4E6	219.841	230.451
21)	B Endrin ke...	7.625	6.984	7797473	68918489	2.099	3.434 #

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

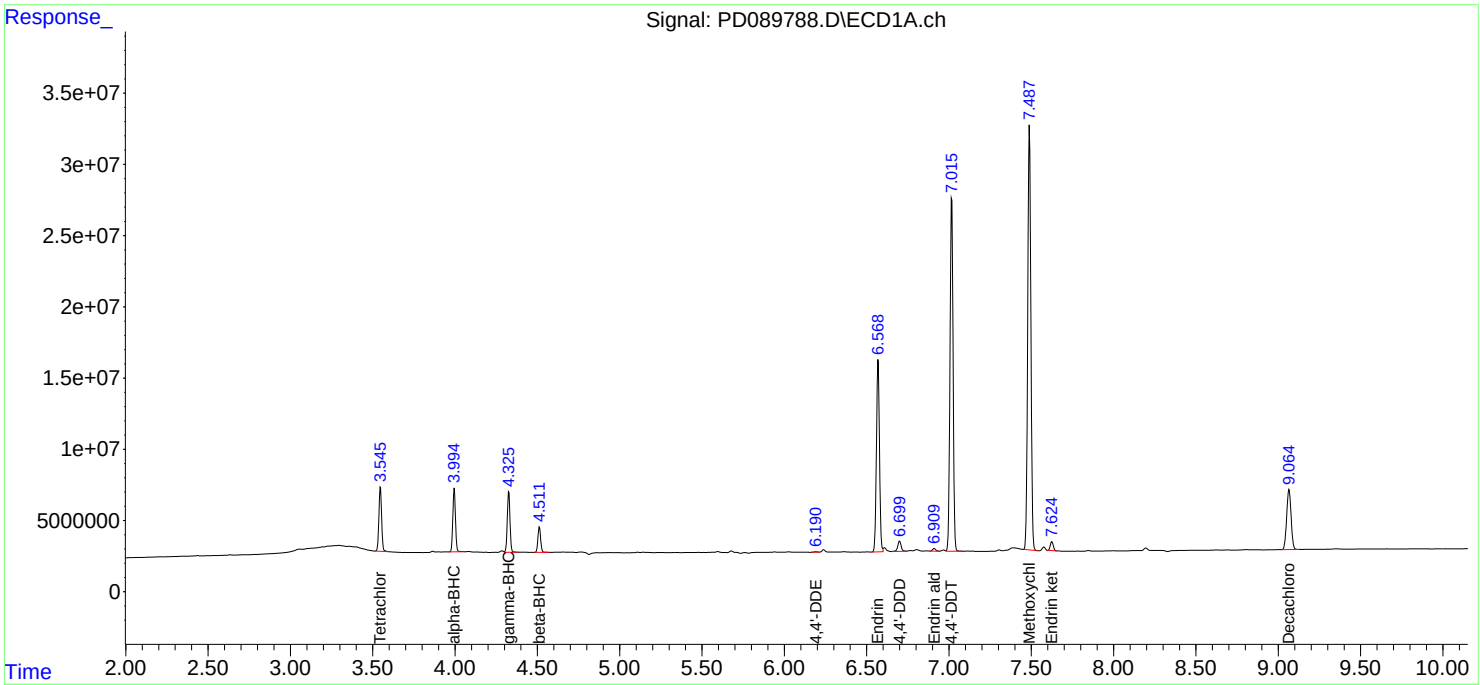
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 09:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

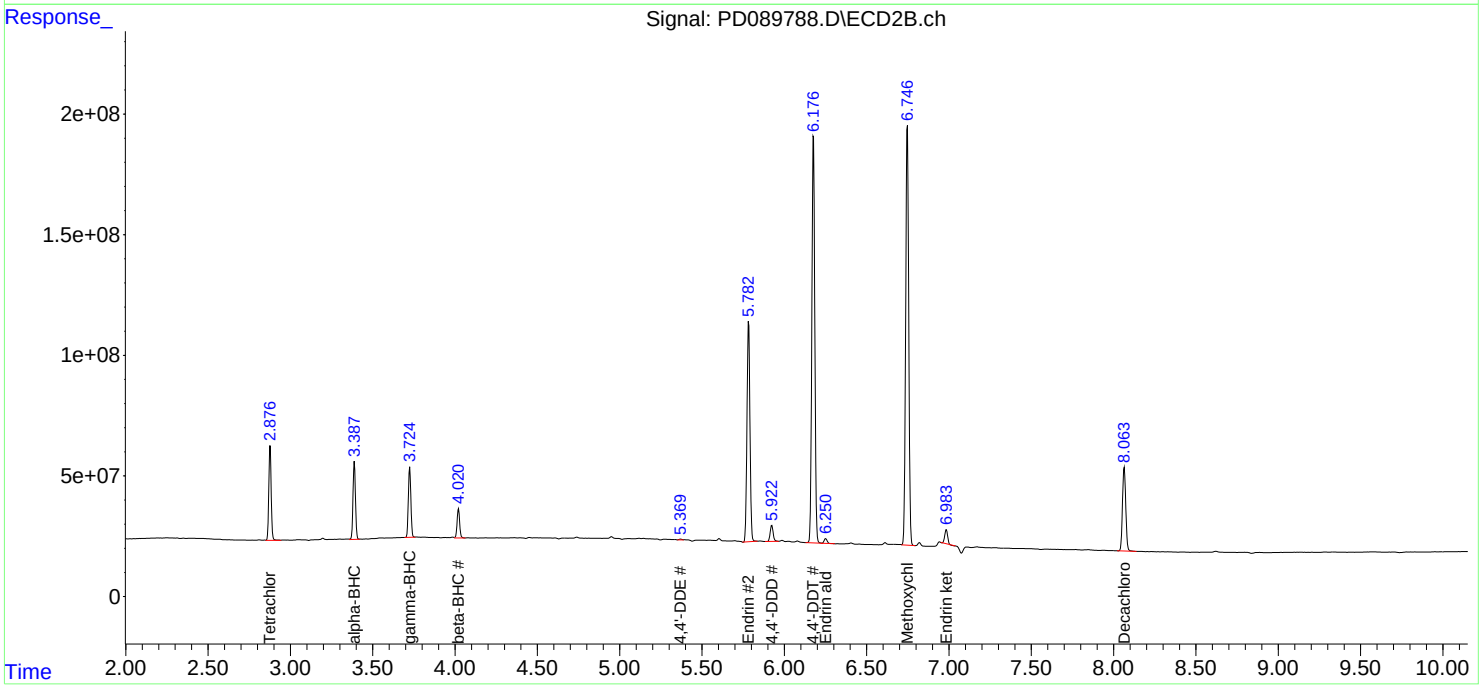
Instrument :
ECD_D
ClientSampleId :
PEM

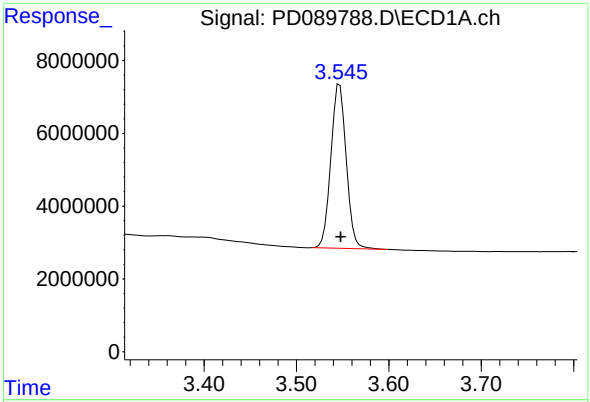
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







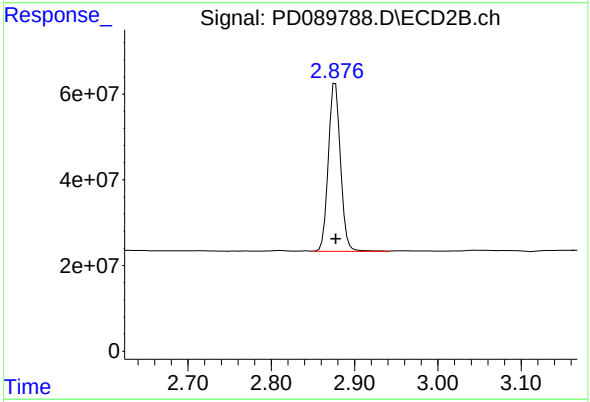
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 52067655
Conc: 21.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

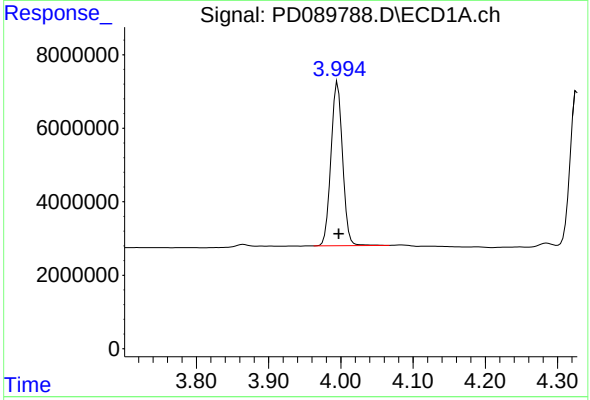
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



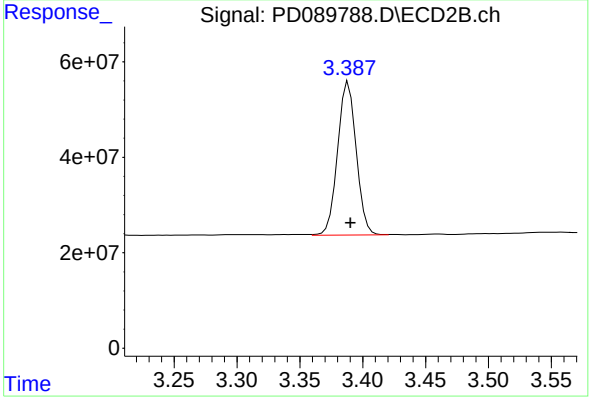
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 399355668
Conc: 25.22 ng/ml



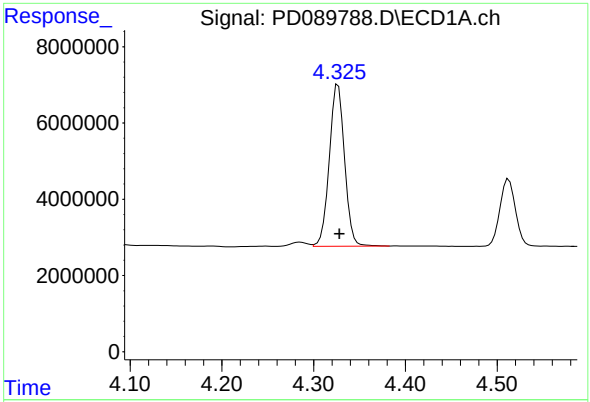
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: -0.001 min
Response: 49803565
Conc: 10.05 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 331338651
Conc: 13.63 ng/ml



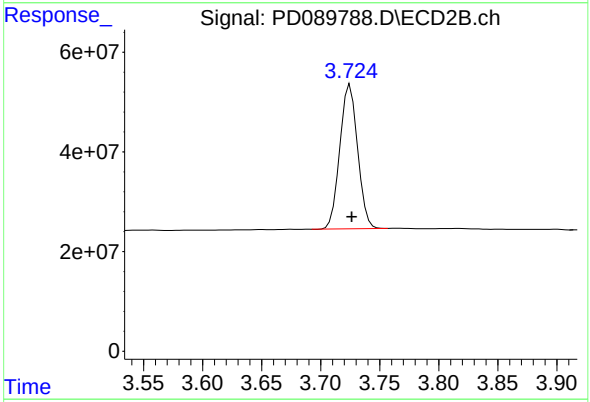
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.002 min
Response: 49118703
Conc: 10.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

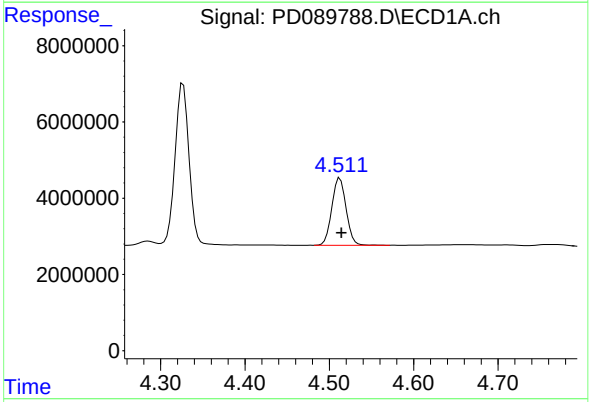
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



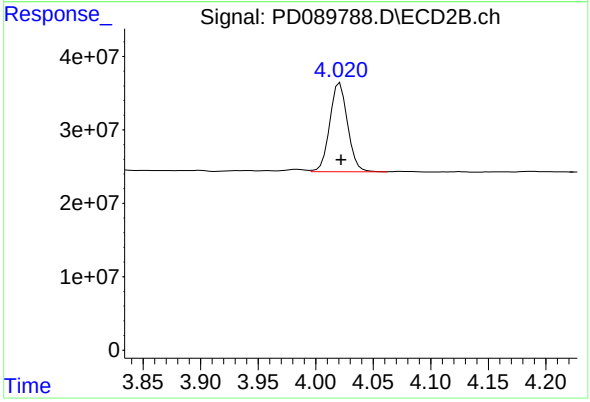
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.001 min
Response: 303977008
Conc: 13.50 ng/ml



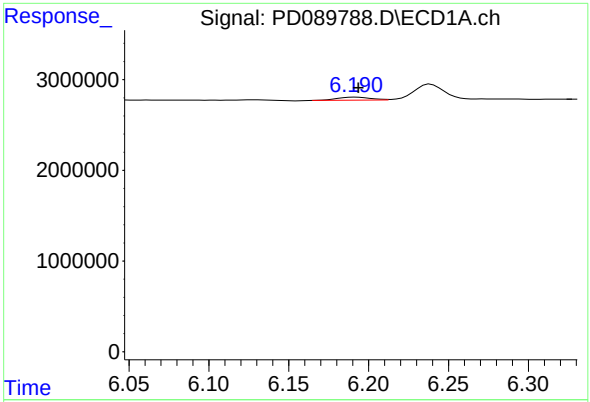
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.002 min
Response: 20756014
Conc: 11.25 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: -0.001 min
Response: 130790223
Conc: 13.55 ng/ml



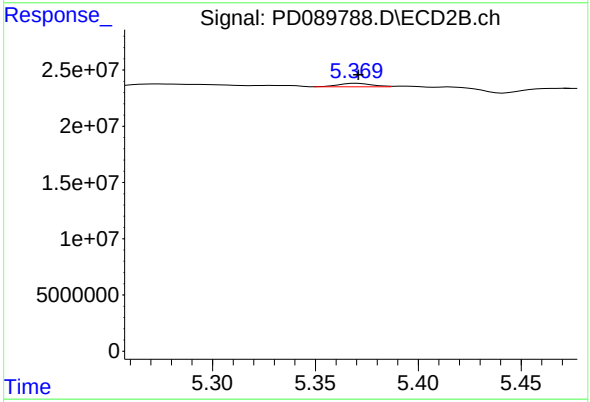
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 475066
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

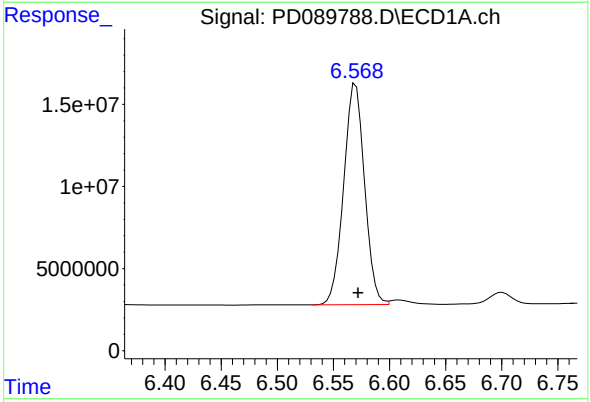
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



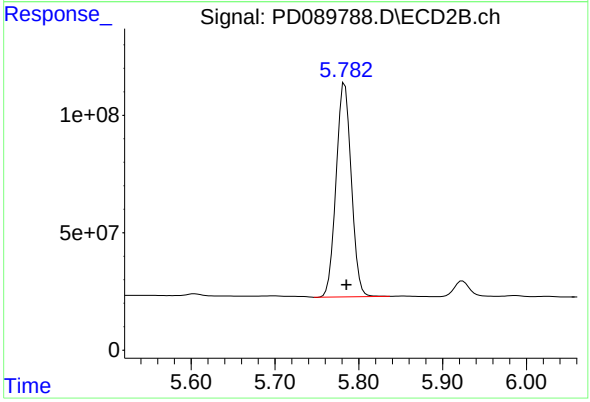
#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 3436768
Conc: 0.16 ng/ml m



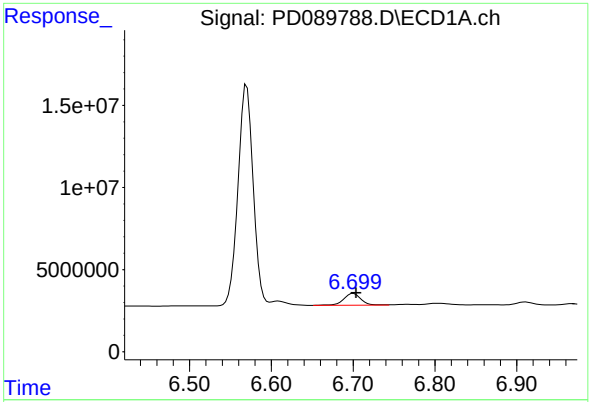
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 174178651
Conc: 48.68 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1145879452
Conc: 57.51 ng/ml



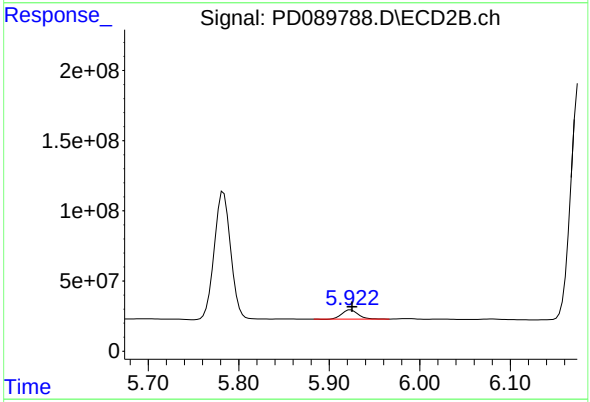
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.003 min
Response: 10581315
Conc: 3.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

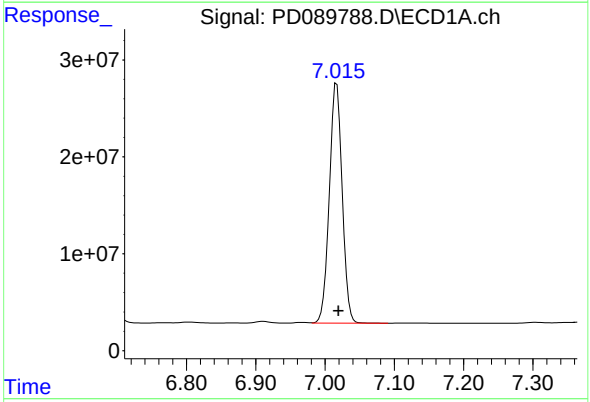
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



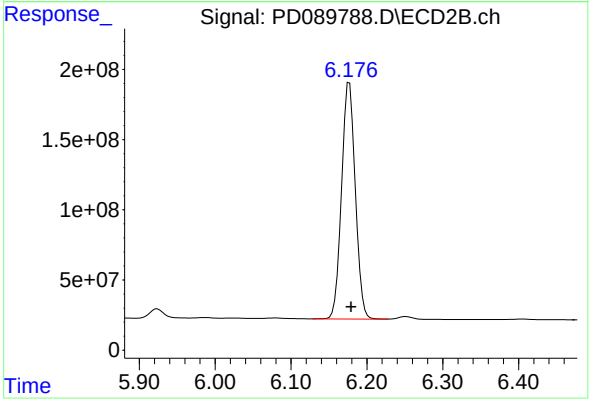
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.002 min
Response: 82461865
Conc: 4.68 ng/ml



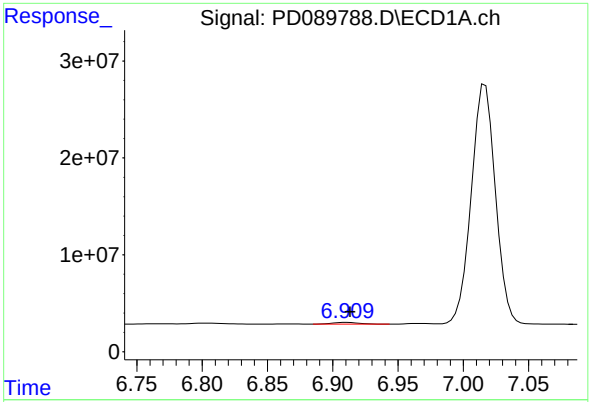
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 319317751
Conc: 95.03 ng/ml



#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 2123310358
Conc: 115.57 ng/ml



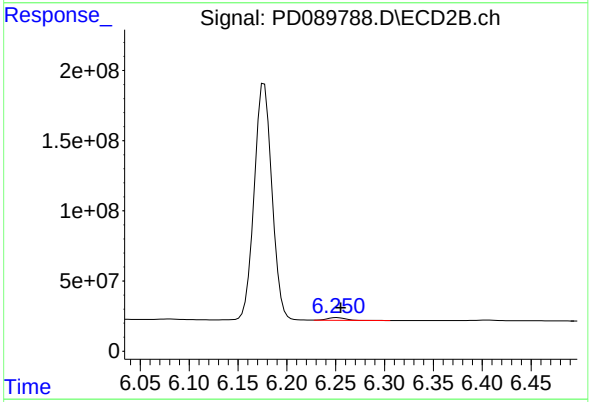
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 2461630
Conc: 0.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

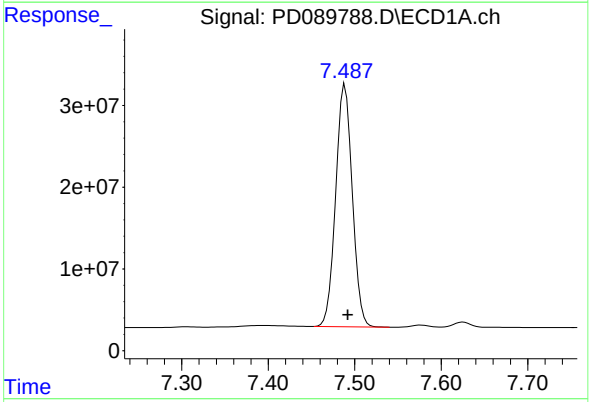
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



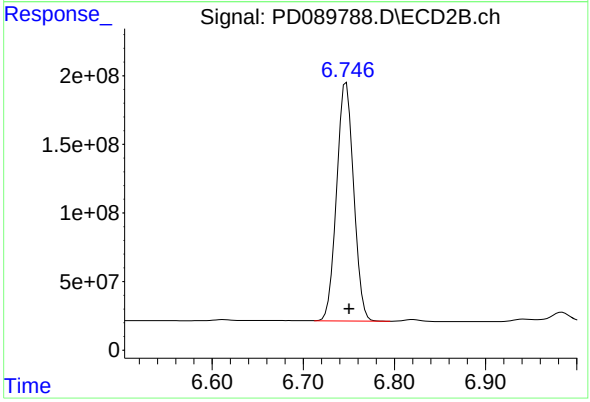
#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.004 min
Response: 24813873
Conc: 1.92 ng/ml



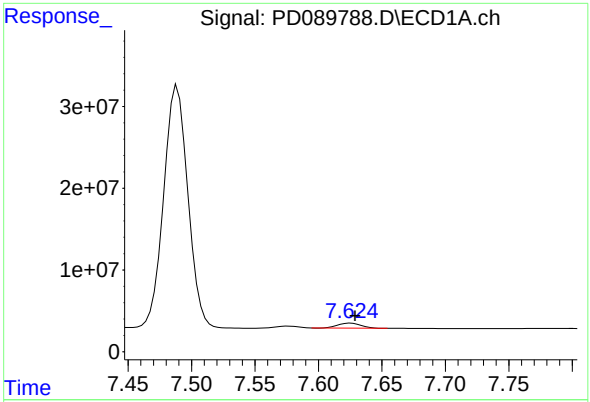
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.003 min
Response: 393069673
Conc: 219.84 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 2257378545
Conc: 230.45 ng/ml



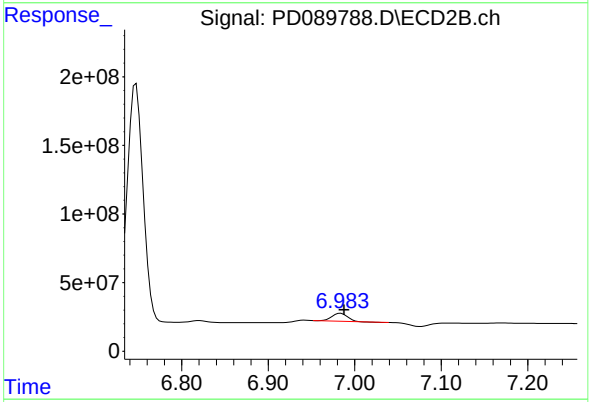
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.003 min
Response: 7797473
Conc: 2.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

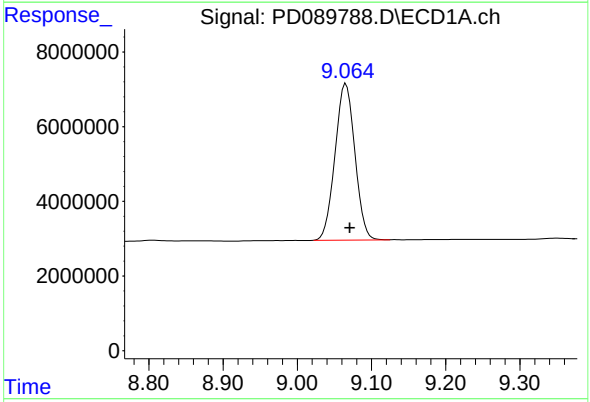
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



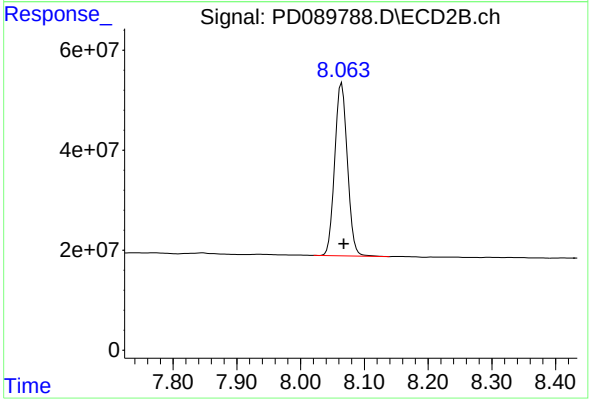
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.004 min
Response: 68918489
Conc: 3.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.005 min
Response: 78072148
Conc: 21.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 477413285
Conc: 23.78 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096594.D **Date Analyzed:** 07/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 16:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.017	8.920	9.120	21.270	20.000	6.4
Tetrachloro-m-xylene	3.535	3.480	3.590	20.960	20.000	4.8
alpha-BHC	3.983	3.930	4.030	10.440	10.000	4.4
beta-BHC	4.498	4.450	4.550	10.520	10.000	5.2
gamma-BHC (Lindane)	4.311	4.260	4.360	10.550	10.000	5.5
Endrin	6.543	6.470	6.610	54.020	50.000	8.0
4,4'-DDT	6.990	6.920	7.060	109.500	100.000	9.5
Methoxychlor	7.463	7.390	7.530	267.200	250.000	6.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096594.D **Date Analyzed:** 07/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 16:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.992	7.890	8.090	20.870	20.000	4.4
Tetrachloro-m-xylene	2.828	2.780	2.880	20.780	20.000	3.9
alpha-BHC	3.333	3.280	3.380	10.270	10.000	2.7
beta-BHC	3.962	3.910	4.010	10.840	10.000	8.4
gamma-BHC (Lindane)	3.666	3.620	3.720	10.440	10.000	4.4
Endrin	5.710	5.640	5.780	53.630	50.000	7.3
4,4'-DDT	6.109	6.040	6.180	111.210	100.000	11.2
Methoxychlor	6.682	6.610	6.750	253.290	250.000	1.3

PEM

Data File: PL096594.D **Date Acquired** 7/28/2025 16:25

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.54	163494961.3	167390237.3	3895275.98	**2.33**
Endrin aldehyde	6.89	1570507.515			
Endrin ketone	7.60	2324768.467			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	289935231	306295121.7	16359890.7	**5.34**
Endrin aldehyde #2	6.18	12998852.66			
Endrin ketone #2	6.91	3361038.042			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	314003595.7	315320131.5	1316535.88	**0.42**
4,4'-DDE	0.00	0			
4,4'-DDD	6.68	1316535.881			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	562525716.3	564144685.1	1618968.83	**0.29**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	1618968.831			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	66676938	99261210	20.962	20.776
28)	SA Decachlor...	9.017	7.992	50725219	90556842	21.271	20.874
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	48281852	72680702	10.436	10.270
3)	MA gamma-BHC...	4.311	3.666	46672698	68921884	10.551	10.437
6)	B beta-BHC	4.498	3.962	18987747	30564619	10.520	10.835
14)	MA Endrin	6.543	5.710	163.5E6	289.9E6	54.016	53.632
16)	A 4,4'-DDD	6.677	5.858	1316536	1618969	0.521m	0.344m#
17)	MA 4,4'-DDT	6.990	6.109	314.0E6	562.5E6	109.497	111.208
18)	B Endrin al...	6.888	6.180	1570508	12998853	0.732m	0.219 #
20)	A Methoxychlor	7.463	6.682	392.3E6	694.1E6	267.202	253.290
21)	B Endrin ke...	7.598	6.905	2324768	3361038	0.773m	0.603m

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

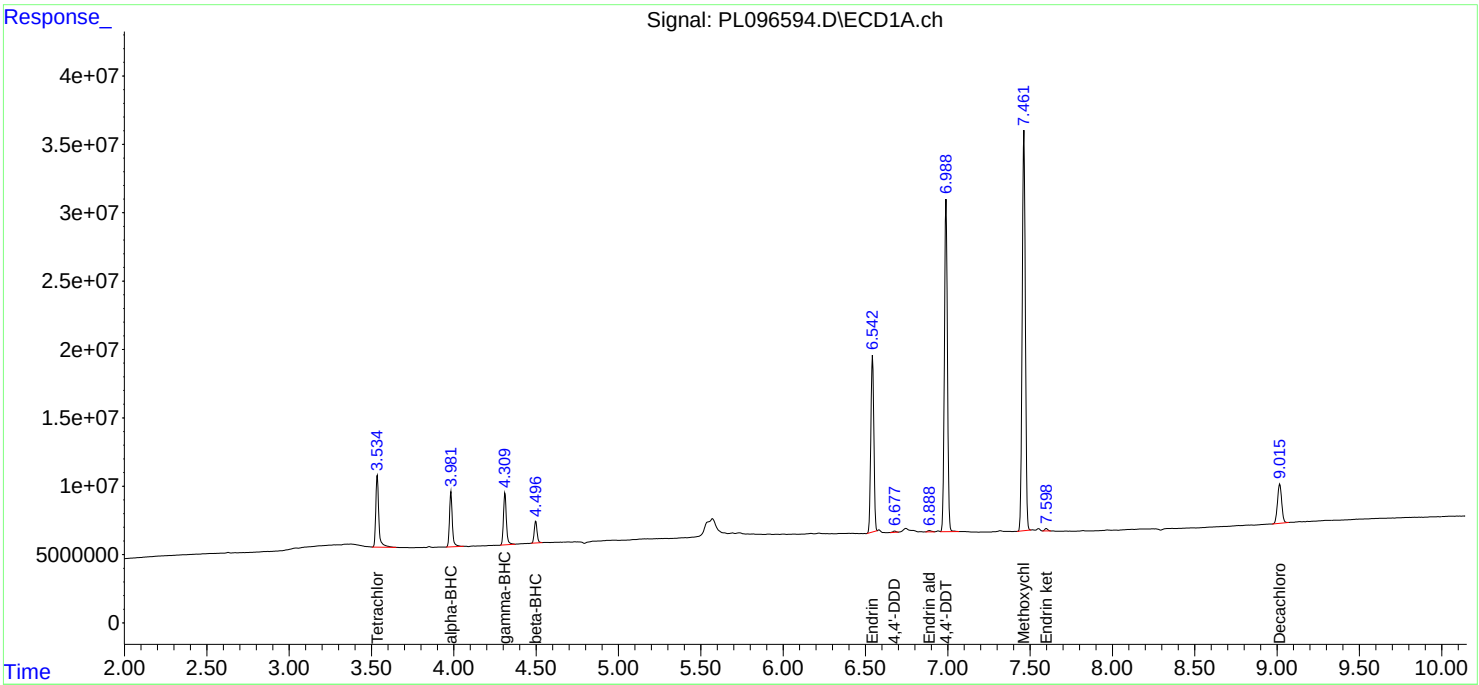
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

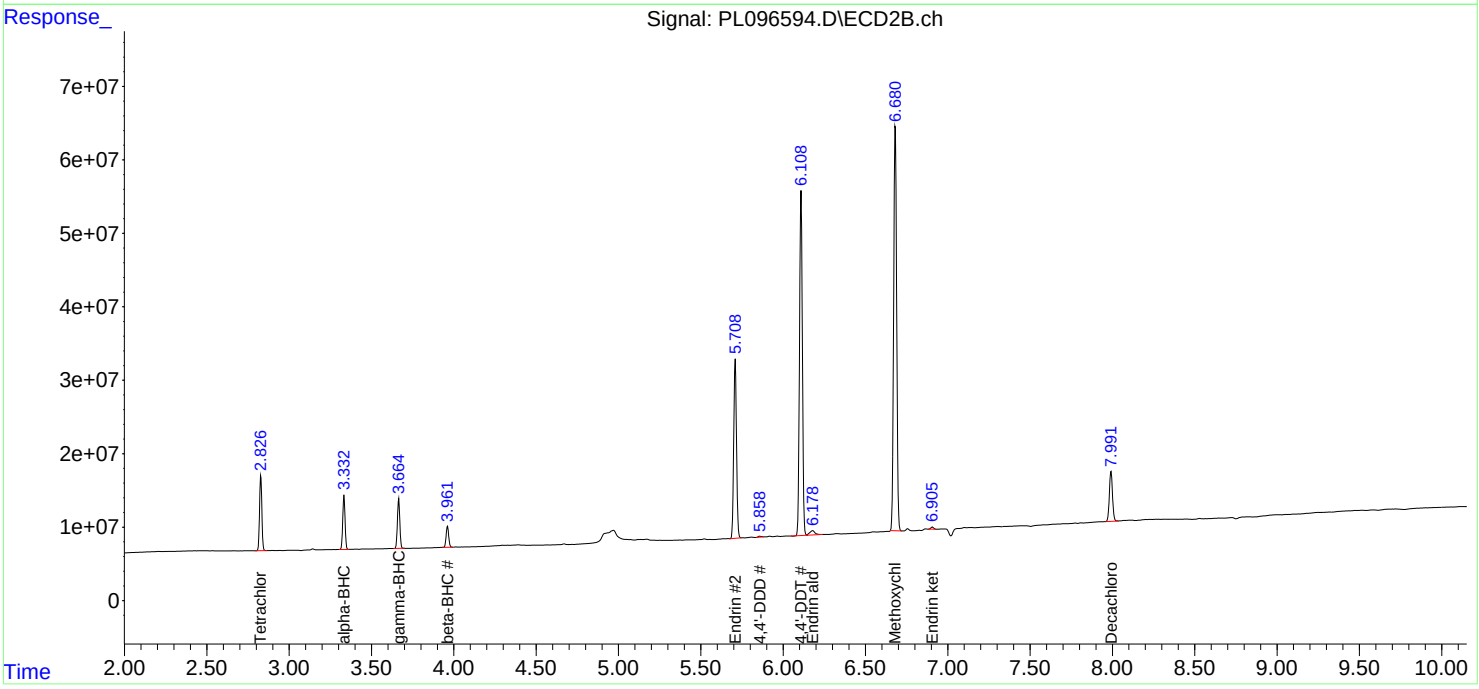
Instrument :
ECD_L
ClientSampleId :
PEM

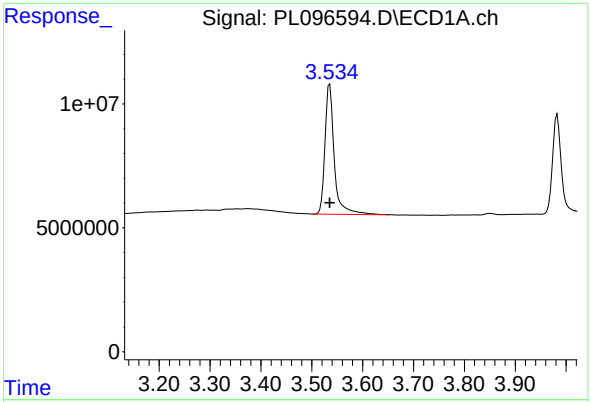
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







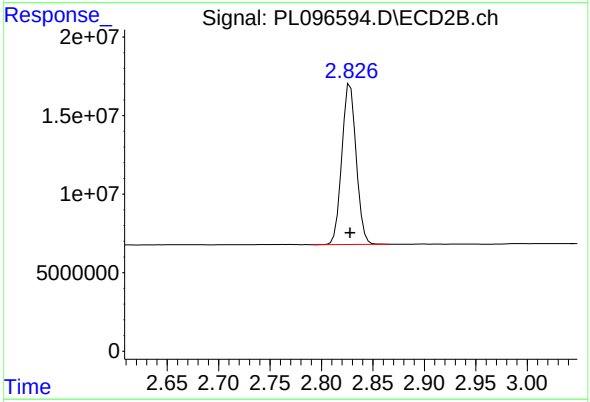
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 66676938
Conc: 20.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

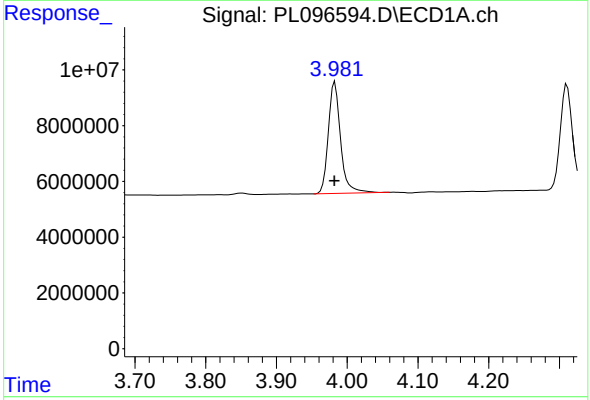
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



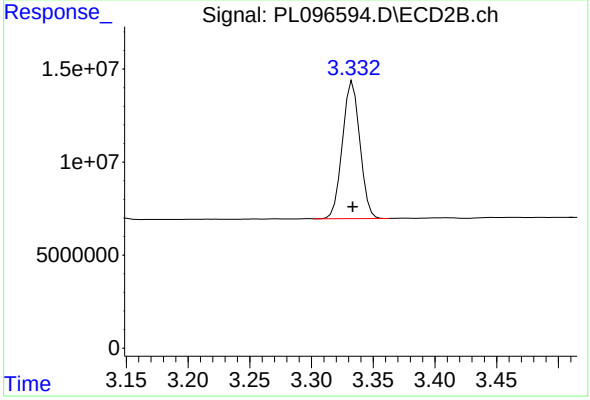
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99261210
Conc: 20.78 ng/ml



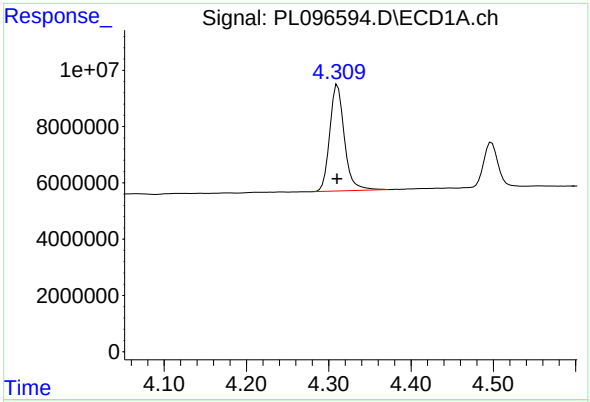
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 48281852
Conc: 10.44 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 72680702
Conc: 10.27 ng/ml



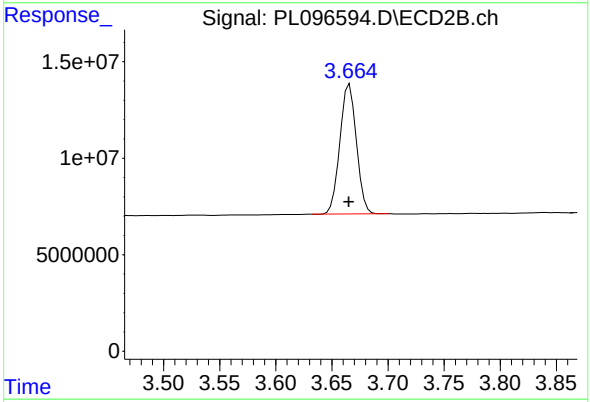
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 46672698
Conc: 10.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

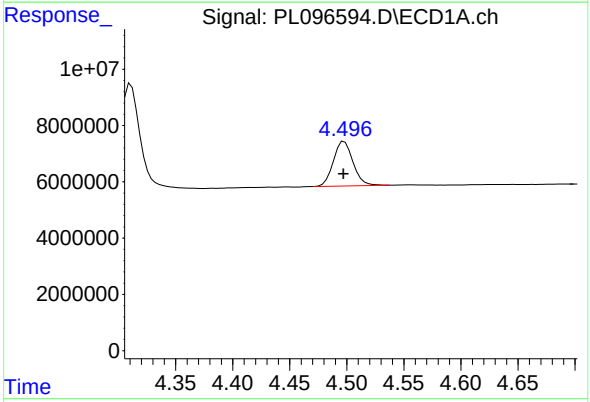
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



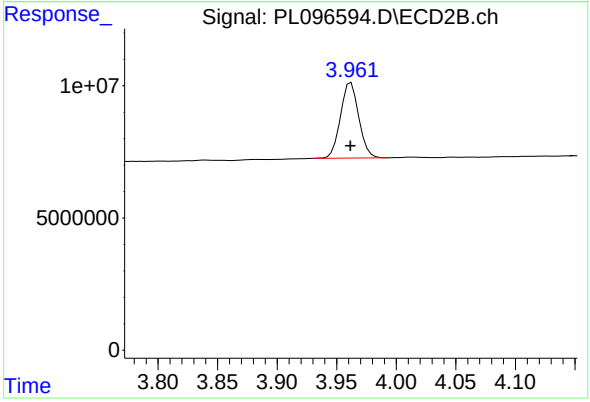
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 68921884
Conc: 10.44 ng/ml



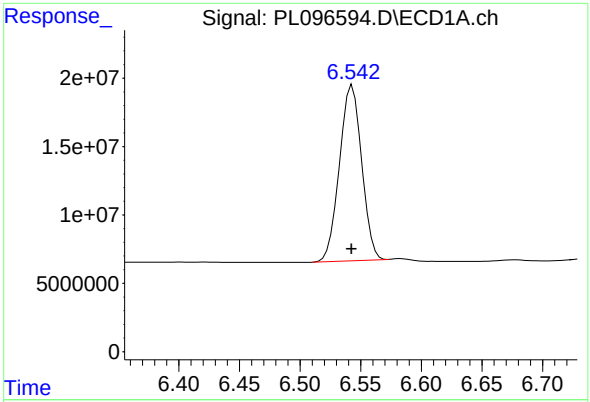
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 18987747
Conc: 10.52 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 30564619
Conc: 10.84 ng/ml



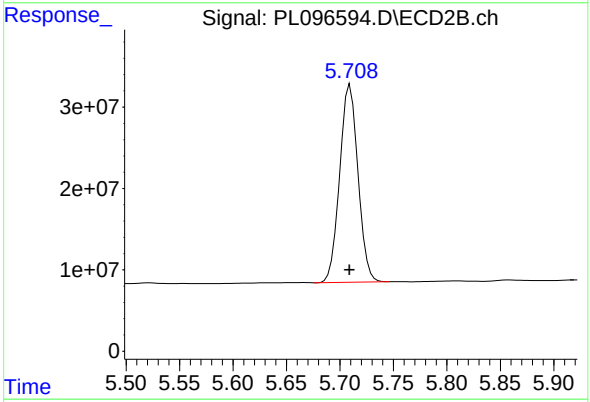
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 163494961
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

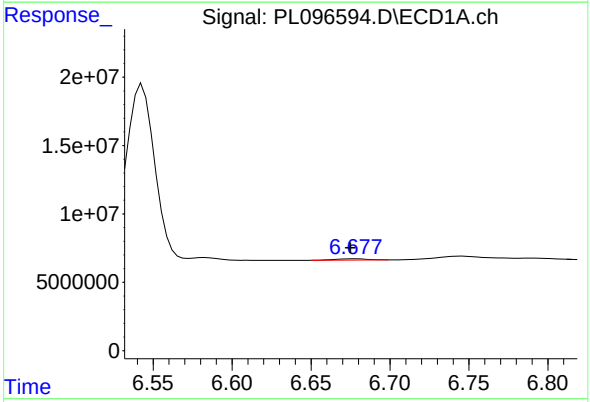
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



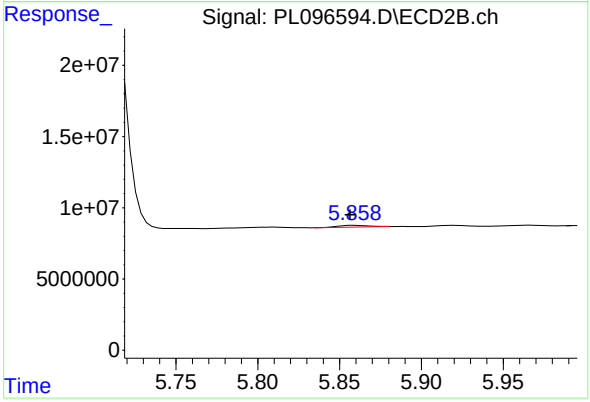
#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 289935231
Conc: 53.63 ng/ml



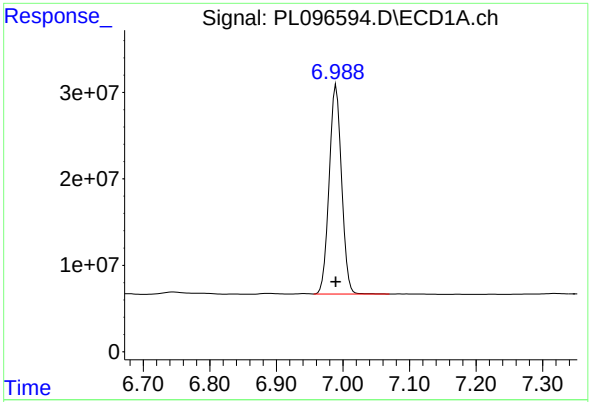
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.002 min
Response: 1316536
Conc: 0.52 ng/ml m



#16 4,4'-DDD

R.T.: 5.858 min
Delta R.T.: 0.001 min
Response: 1618969
Conc: 0.34 ng/ml m



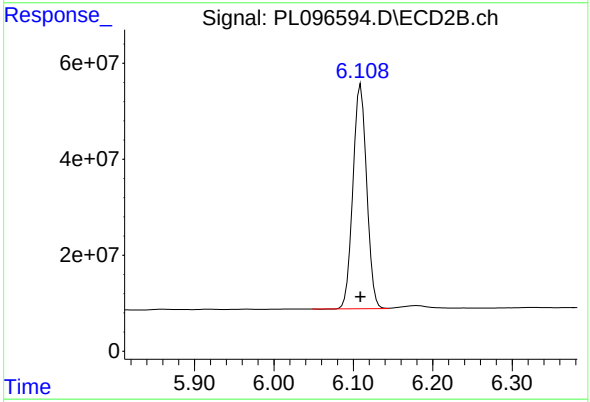
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 314003596
Conc: 109.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

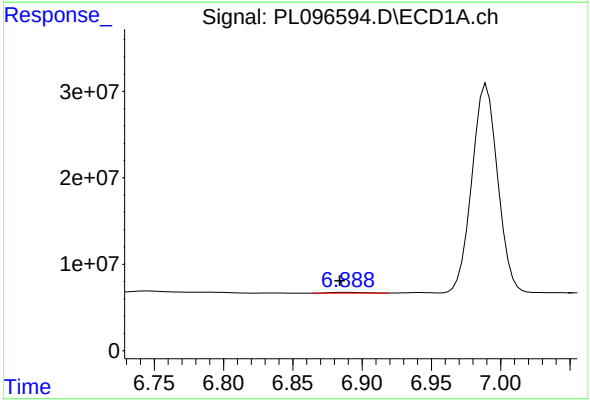
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



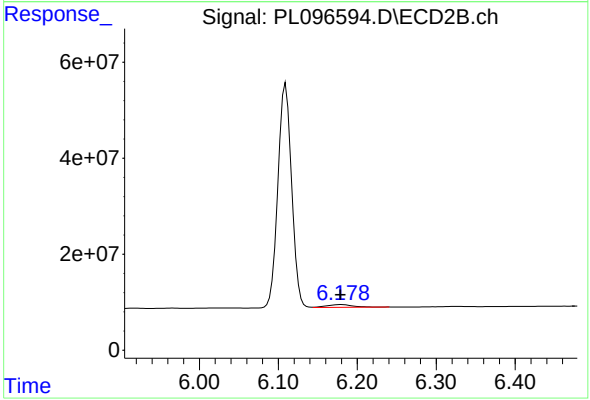
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 562525716
Conc: 111.21 ng/ml



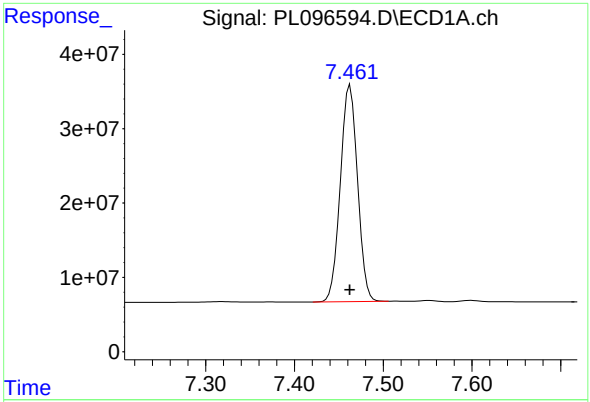
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.004 min
Response: 1570508
Conc: 0.73 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.001 min
Response: 12998853
Conc: 0.22 ng/ml



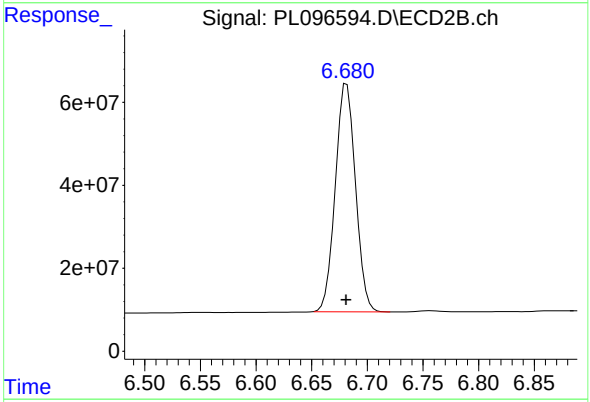
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 392347777
Conc: 267.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

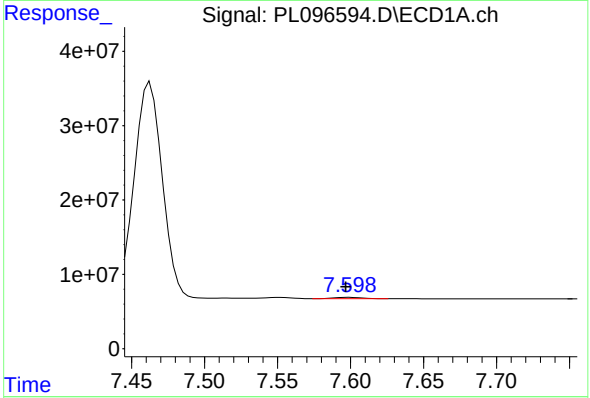
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



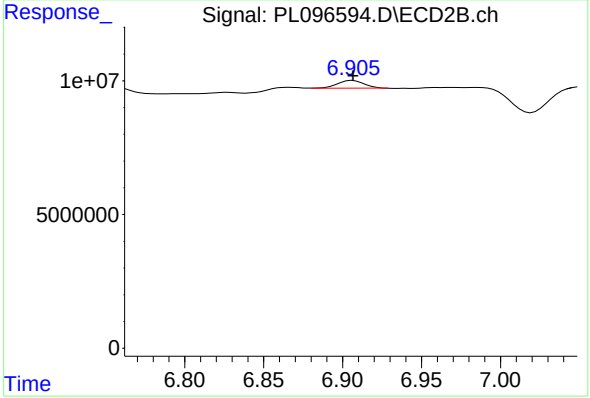
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 694139453
Conc: 253.29 ng/ml



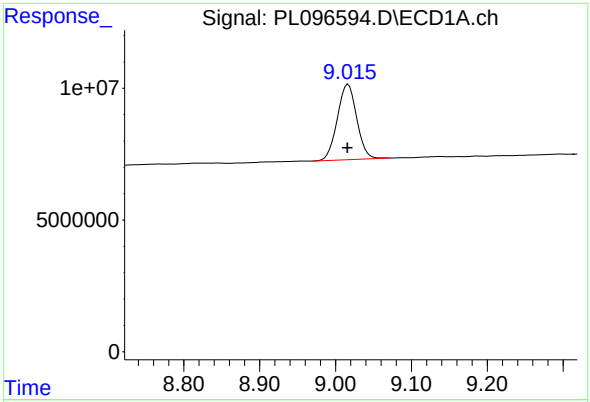
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: 0.000 min
Response: 2324768
Conc: 0.77 ng/ml m



#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 3361038
Conc: 0.60 ng/ml m



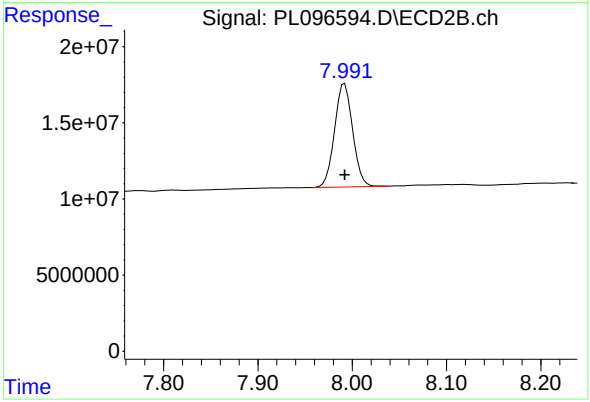
#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: 0.000 min
Response: 50725219
Conc: 21.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 90556842
Conc: 20.87 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096688.D **Date Analyzed:** 08/04/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.012	8.910	9.110	25.780	20.000	28.9
Tetrachloro-m-xylene	3.534	3.480	3.580	24.210	20.000	21.1
alpha-BHC	3.981	3.930	4.030	11.720	10.000	17.2
beta-BHC	4.496	4.450	4.550	12.570	10.000	25.7
gamma-BHC (Lindane)	4.309	4.260	4.360	11.850	10.000	18.5
Endrin	6.541	6.470	6.610	54.300	50.000	8.6
4,4'-DDT	6.987	6.920	7.060	108.740	100.000	8.7
Methoxychlor	7.460	7.390	7.530	260.260	250.000	4.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096688.D **Date Analyzed:** 08/04/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.990	7.890	8.090	26.590	20.000	33.0
Tetrachloro-m-xylene	2.825	2.770	2.880	26.570	20.000	32.9
alpha-BHC	3.332	3.280	3.380	11.990	10.000	19.9
beta-BHC	3.960	3.910	4.010	13.080	10.000	30.8
gamma-BHC (Lindane)	3.664	3.610	3.710	12.180	10.000	21.8
Endrin	5.707	5.640	5.780	55.440	50.000	10.9
4,4'-DDT	6.107	6.040	6.180	112.940	100.000	12.9
Methoxychlor	6.678	6.610	6.750	252.970	250.000	1.2

PEM

Data File: PL096688.D **Date Acquired** 8/4/2025 9:30

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.54	164358391.8	188353363.8	23994972	**12.74**
Endrin aldehyde	6.88	6444942.039			
Endrin ketone	7.59	17550029.96			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	299703229.6	350040024.6	50336795	**14.38**
Endrin aldehyde #2	6.18	18849958.14			
Endrin ketone #2	6.90	31486836.83			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	311818032.8	331775421.7	19957388.9	**6.02**
4,4'-DDE	6.17	1592212.424			
4,4'-DDD	6.67	18365176.43			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	571289046.5	605699647.3	34410600.9	**5.68**
4,4'-DDE #2	5.30	1554558.745			
4,4'-DDD #2	5.86	32856042.12			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 09:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.825	77015896	126.9E6	24.213	26.569
28)	SA Decachlor...	9.012	7.990	61470037	115.4E6	25.777	26.595
	Target Compounds						
2)	A alpha-BHC	3.981	3.332	54242042	84882165	11.725	11.994
3)	MA gamma-BHC...	4.309	3.664	52430005	80405774	11.853	12.176
6)	B beta-BHC	4.496	3.960	22693183	36906535	12.573	13.083
12)	B 4,4'-DDE	6.165	5.301	1592212	1554559	0.496m	0.282m#
14)	MA Endrin	6.541	5.707	164.4E6	299.7E6	54.301	55.439
16)	A 4,4'-DDD	6.673	5.855	18365176	32856042	7.264	6.983
17)	MA 4,4'-DDT	6.987	6.107	311.8E6	571.3E6	108.735	112.941
18)	B Endrin al...	6.883	6.178	6444942	18849958	3.003	1.906 #
20)	A Methoxychlor	7.460	6.678	382.2E6	693.3E6	260.259	252.966m
21)	B Endrin ke...	7.594	6.905	17550030	31486837	5.837	5.653

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

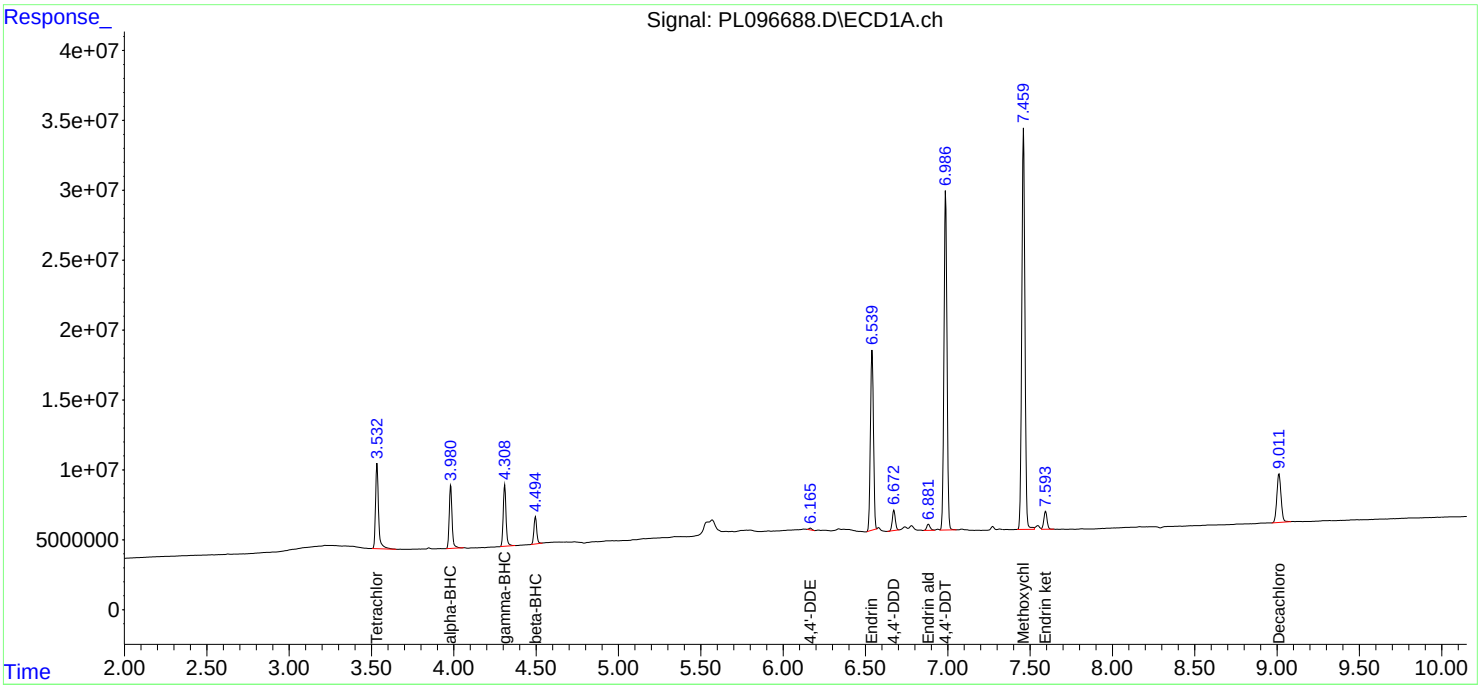
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 09:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

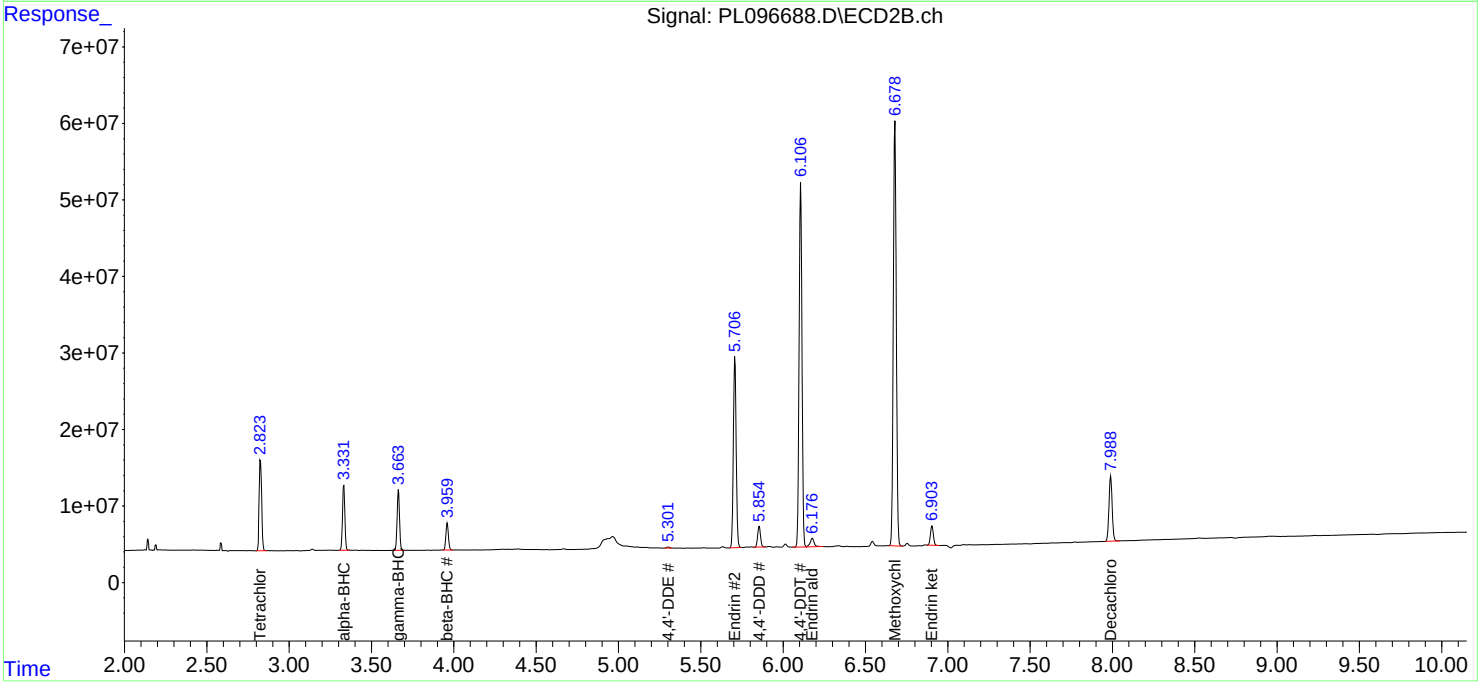
Instrument :
ECD_L
ClientSampleId :
PEM

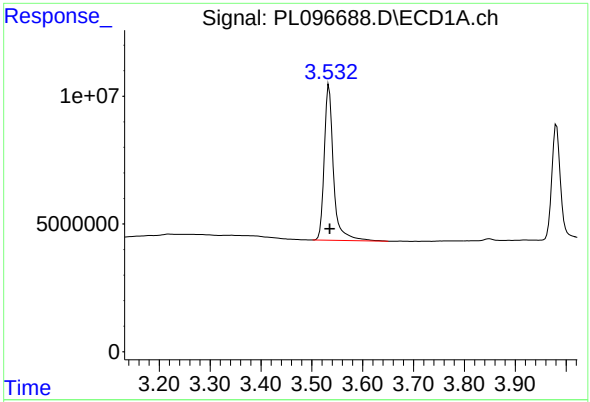
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







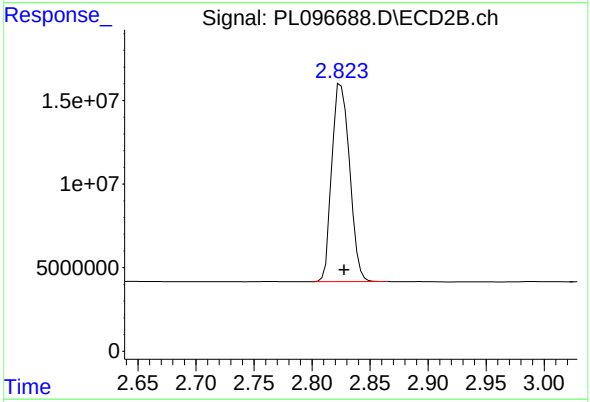
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.001 min
Response: 77015896
Conc: 24.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

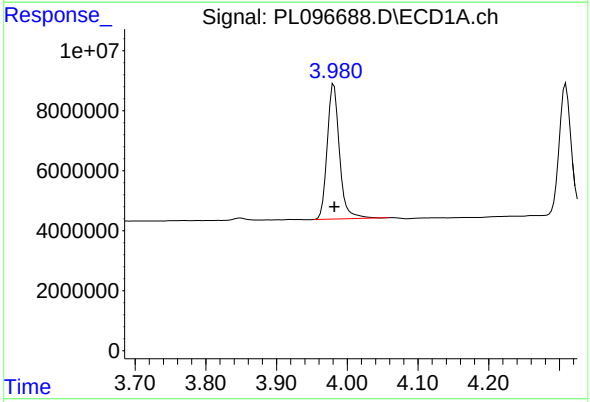
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



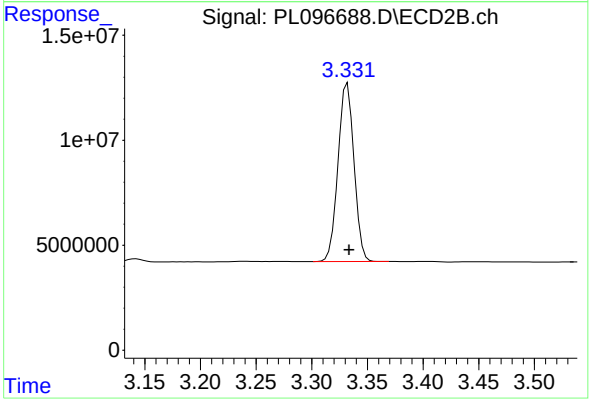
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.002 min
Response: 126939868
Conc: 26.57 ng/ml



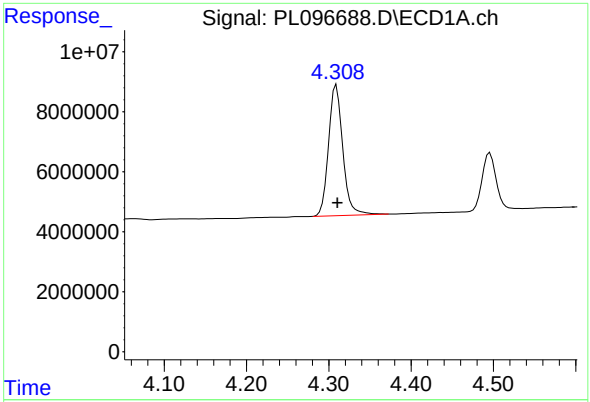
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: 0.000 min
Response: 54242042
Conc: 11.72 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 84882165
Conc: 11.99 ng/ml



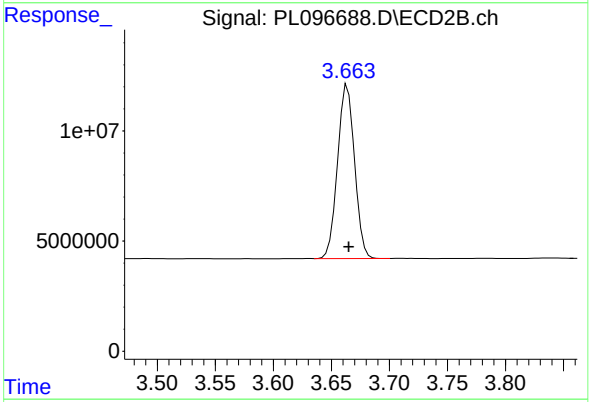
#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 52430005
Conc: 11.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

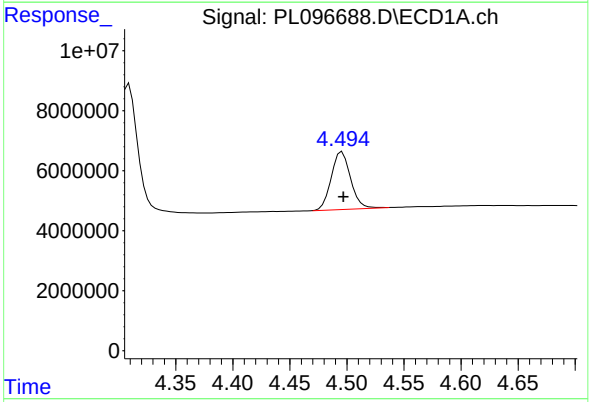
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



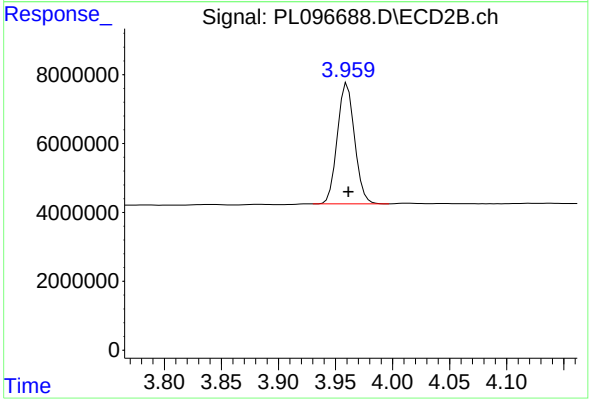
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.001 min
Response: 80405774
Conc: 12.18 ng/ml



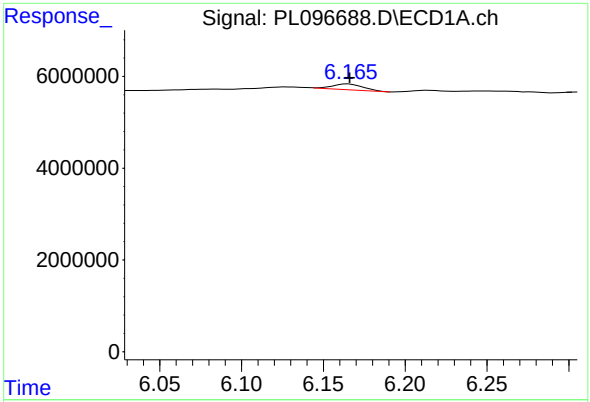
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 22693183
Conc: 12.57 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: 0.000 min
Response: 36906535
Conc: 13.08 ng/ml



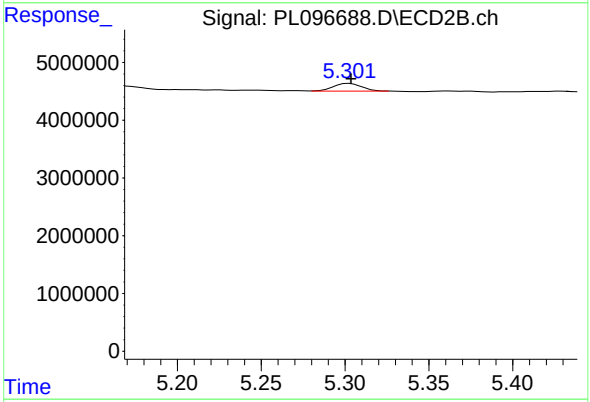
#12 4,4'-DDE

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 1592212
Conc: 0.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

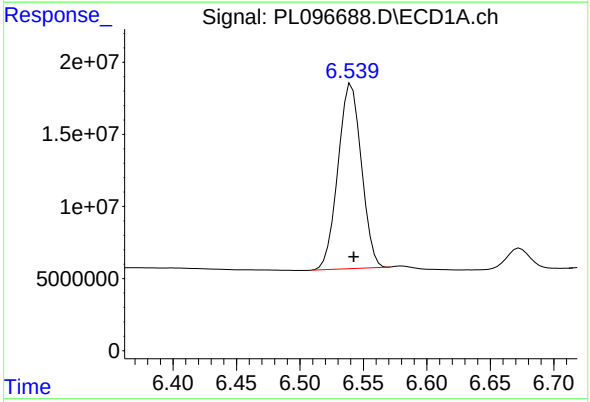
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



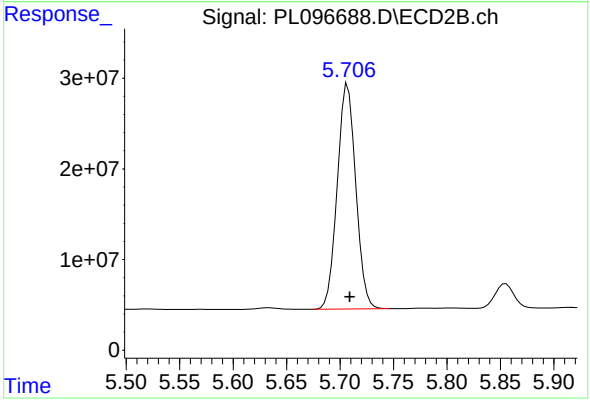
#12 4,4'-DDE

R.T.: 5.301 min
Delta R.T.: -0.003 min
Response: 1554559
Conc: 0.28 ng/ml m



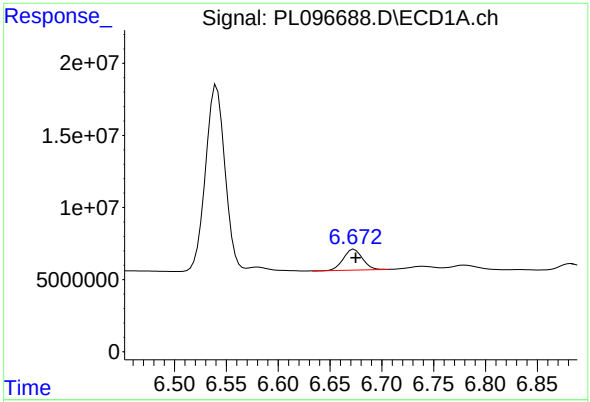
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 164358392
Conc: 54.30 ng/ml



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 299703230
Conc: 55.44 ng/ml



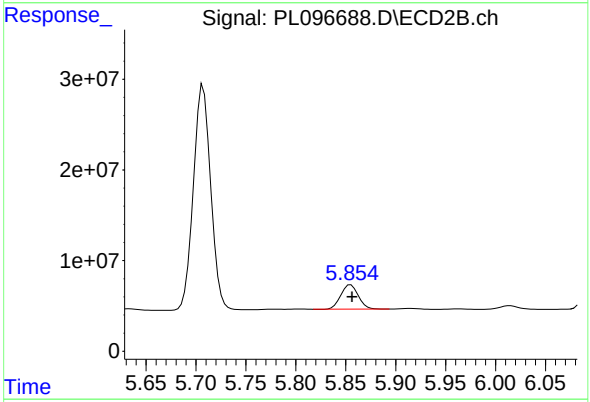
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 18365176
Conc: 7.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

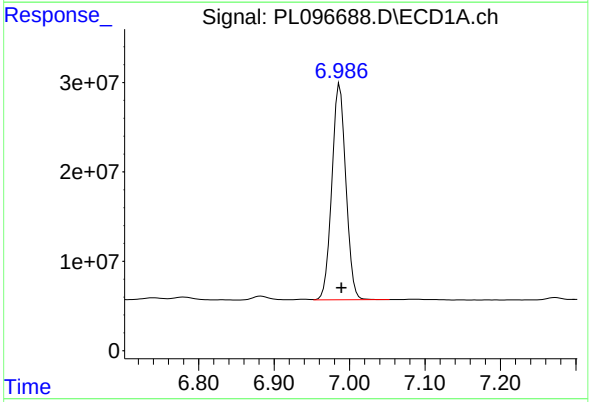
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



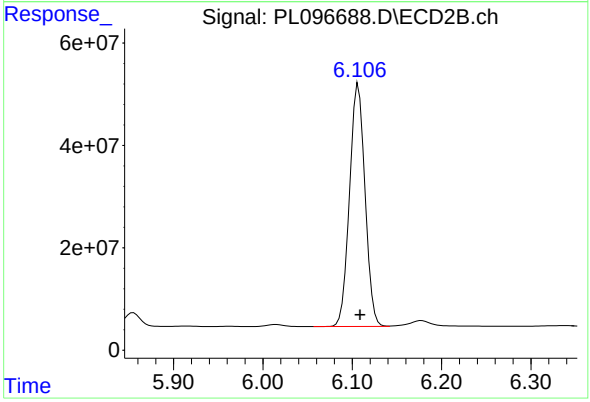
#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.001 min
Response: 32856042
Conc: 6.98 ng/ml



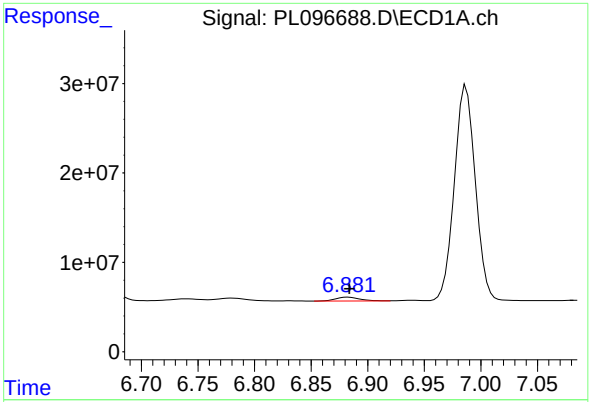
#17 4,4'-DDT

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 311818033
Conc: 108.74 ng/ml



#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 571289046
Conc: 112.94 ng/ml



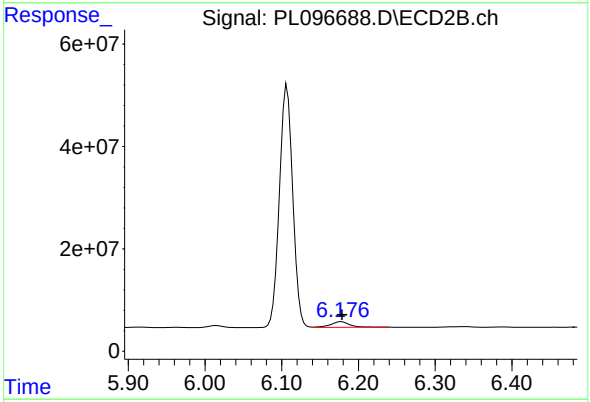
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: -0.001 min
Response: 6444942
Conc: 3.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

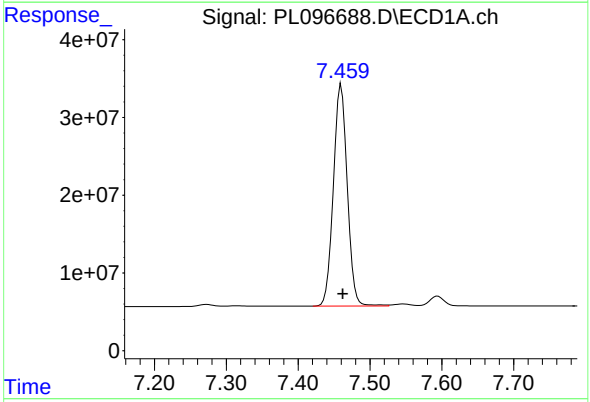
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



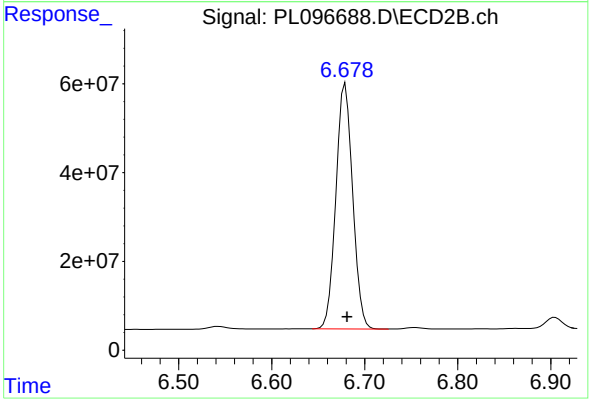
#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 18849958
Conc: 1.91 ng/ml



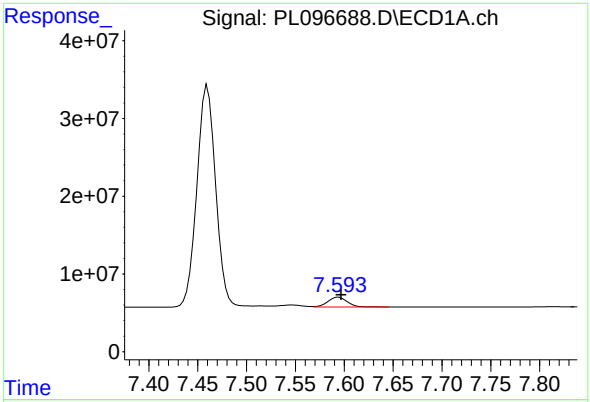
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 382152607
Conc: 260.26 ng/ml



#20 Methoxychlor

R.T.: 6.678 min
Delta R.T.: -0.003 min
Response: 693251210
Conc: 252.97 ng/ml m



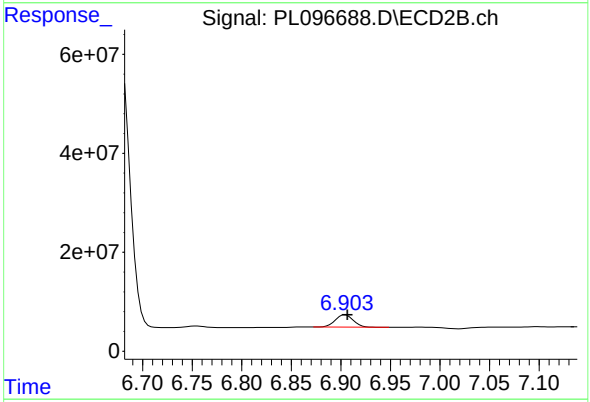
#21 Endrin ketone

R.T.: 7.594 min
Delta R.T.: -0.002 min
Response: 17550030
Conc: 5.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

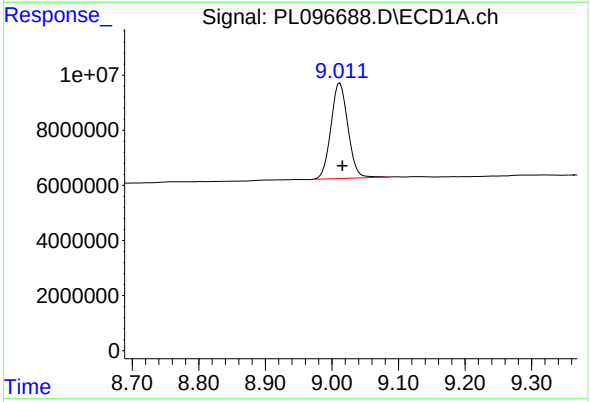
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



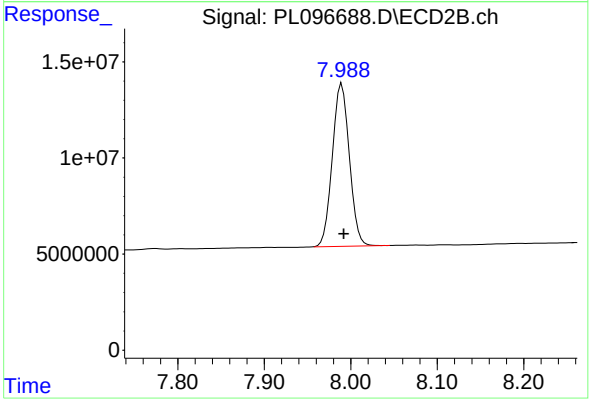
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.002 min
Response: 31486837
Conc: 5.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.012 min
Delta R.T.: -0.004 min
Response: 61470037
Conc: 25.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 115376995
Conc: 26.59 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089687.D
Acq On : 31 Jul 2025 11:34
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\PD073125.M
Title : GC Extractables
Last Update : Fri Aug 01 07:03:58 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.555	5.952	100.00%
5.952	6.080	100.00%
6.080	6.202	100.00%
6.202	6.353	100.00%
6.353	7.156	100.00%
7.156	7.501	100.00%
7.501	7.637	100.00%
7.637	9.080	100.00%

Signal #2

2.877	5.123	100.00%
5.123	5.243	100.00%
5.243	5.372	100.00%
5.372	5.510	100.00%
5.510	6.480	100.00%
6.480	6.752	100.00%
6.752	6.989	100.00%
6.989	8.070	100.00%

PD073125.M Fri Aug 01 08:58:30 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:34
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.555	2.877	43497342	289.6E6	17.635	18.287
28)	SA Decachlor...	9.080	8.070	68540687	368.9E6	18.443	18.373
	Target Compounds						
9)	A Endosulfan I	6.080	5.243	32929310	180.8E6	8.308	9.250
10)	B gamma-Chl...	5.952	5.123	36168921	212.0E6	8.655	9.788
12)	B 4,4'-DDE	6.202	5.372	65872916	408.9E6	17.661	19.345
13)	MA Dieldrin	6.353	5.510	73492529	408.2E6	17.401	18.863
19)	B Endosulfa...	7.156	6.480	62490576	353.7E6	18.008	19.054
20)	A Methoxychlor	7.501	6.752	158.7E6	839.7E6	88.775	85.727
21)	B Endrin ke...	7.637	6.989	66017266	381.6E6	17.775	19.017

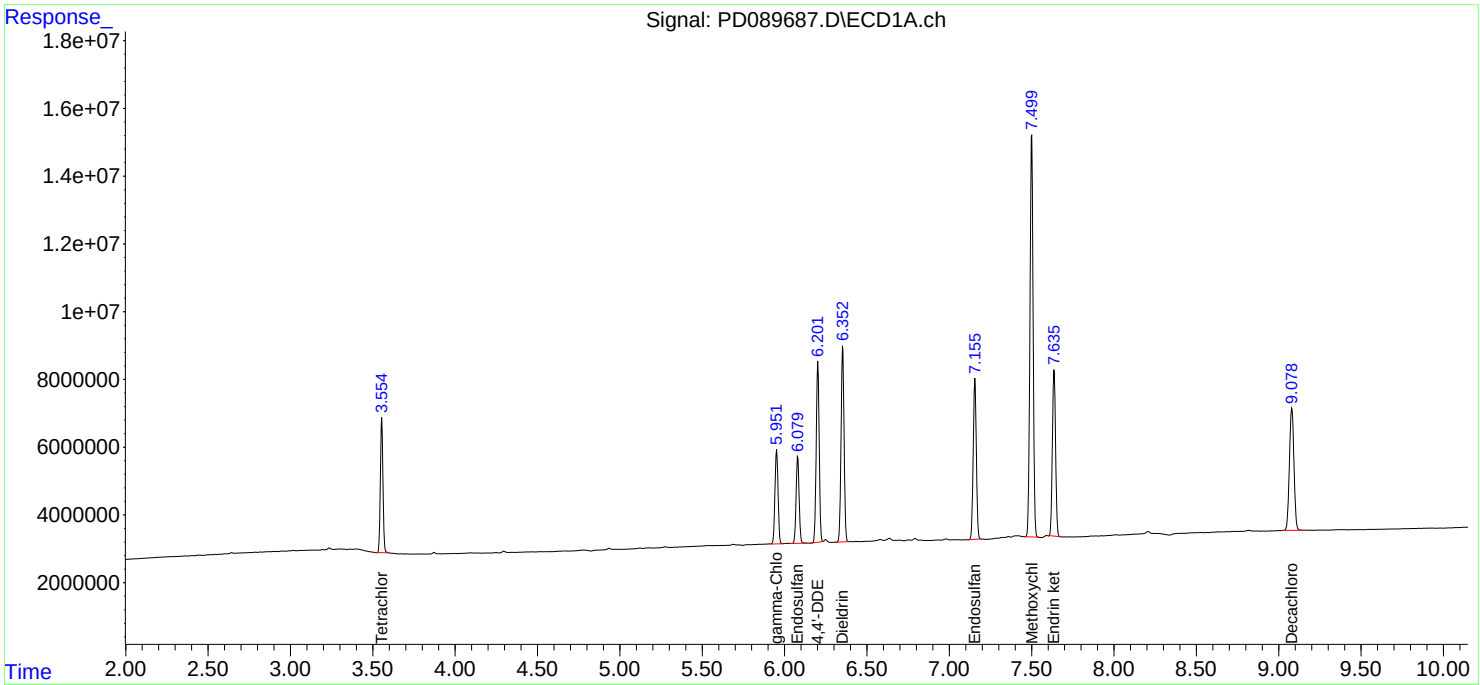
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

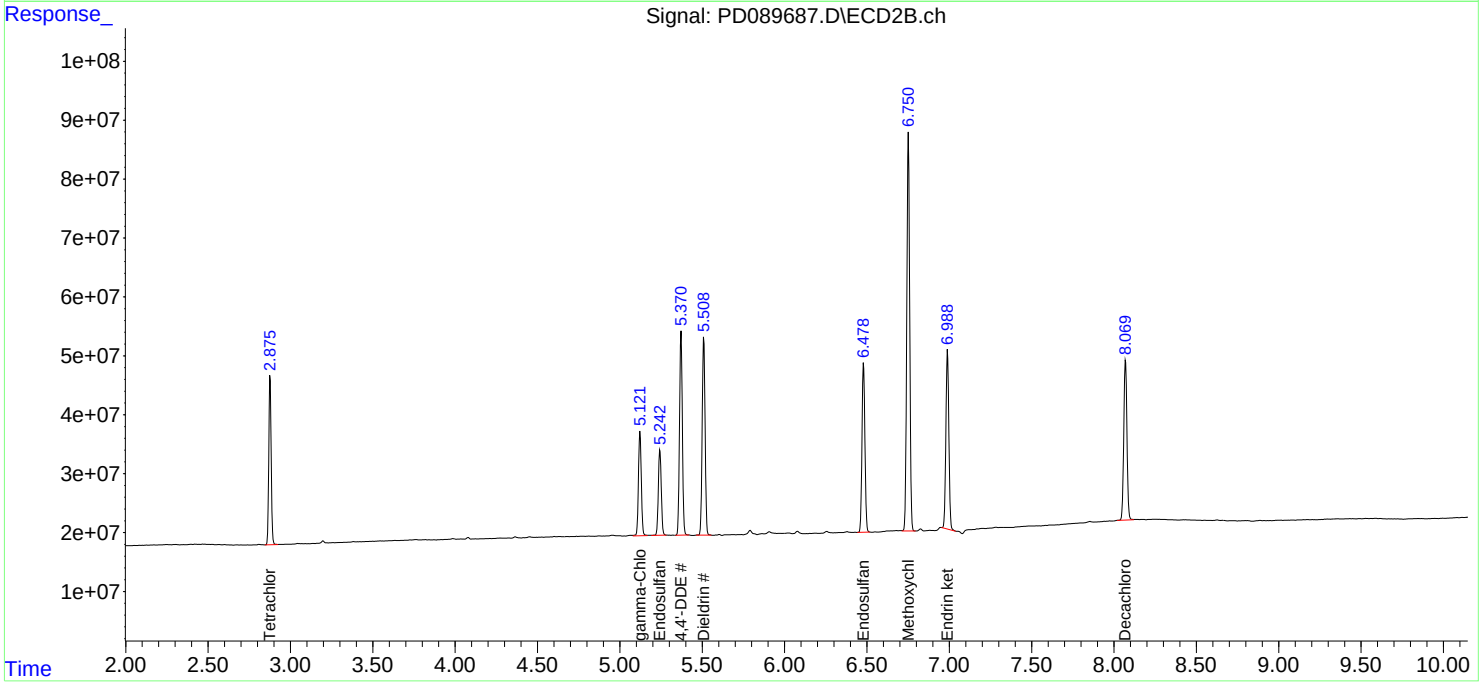
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:34
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

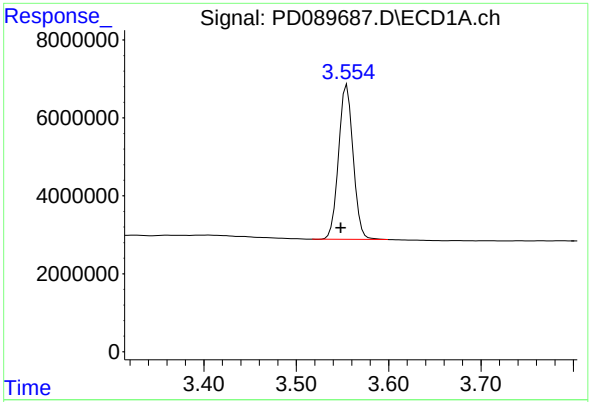
Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



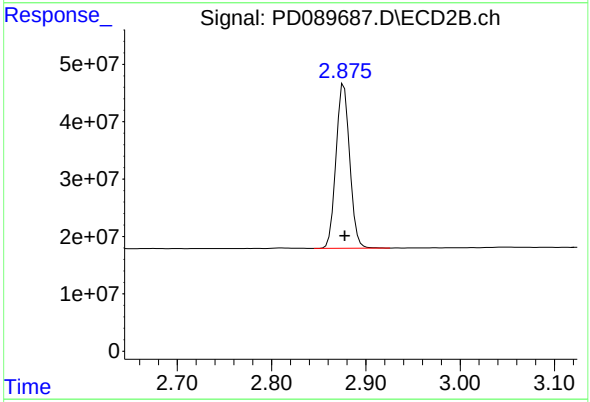




#1 Tetrachloro-m-xylene

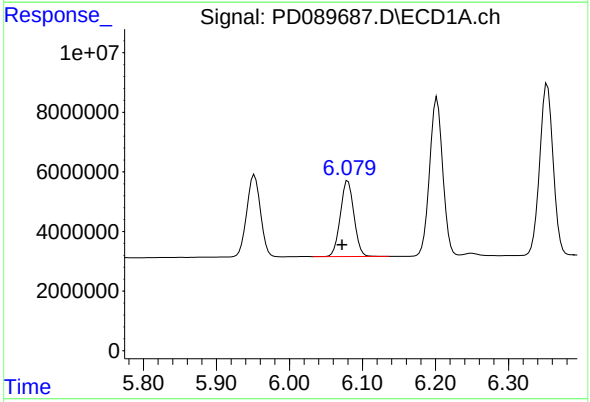
R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 43497342
Conc: 17.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



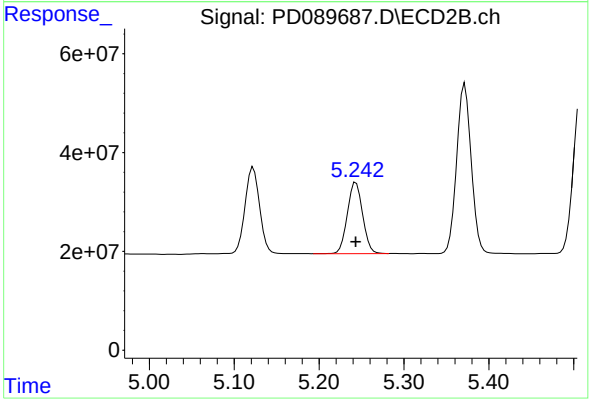
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 289618858
Conc: 18.29 ng/ml



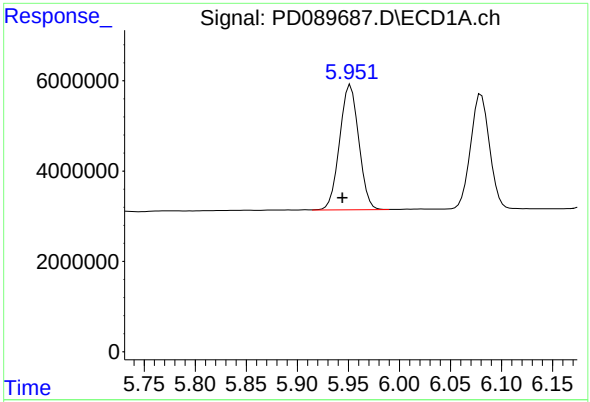
#9 Endosulfan I

R.T.: 6.080 min
Delta R.T.: 0.008 min
Response: 32929310
Conc: 8.31 ng/ml



#9 Endosulfan I

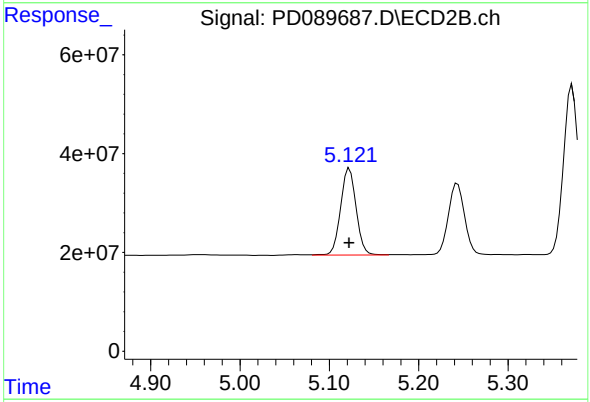
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 180827207
Conc: 9.25 ng/ml



#10 gamma-Chlordane

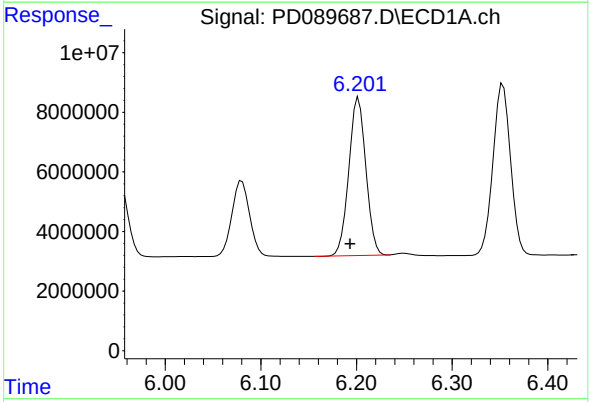
R.T.: 5.952 min
Delta R.T.: 0.008 min
Response: 36168921
Conc: 8.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



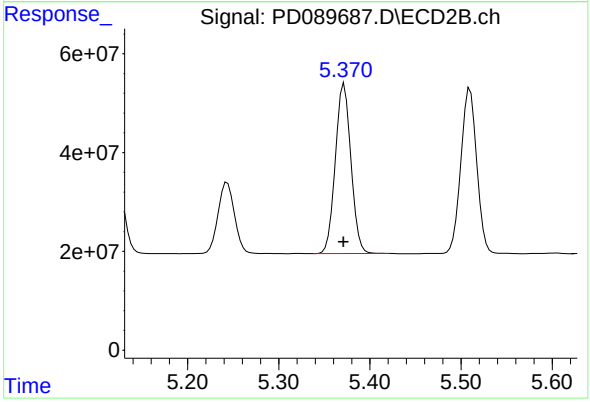
#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 211952045
Conc: 9.79 ng/ml



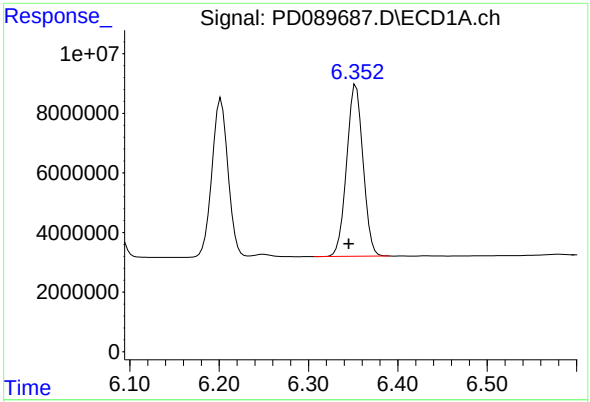
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.009 min
Response: 65872916
Conc: 17.66 ng/ml



#12 4,4'-DDE

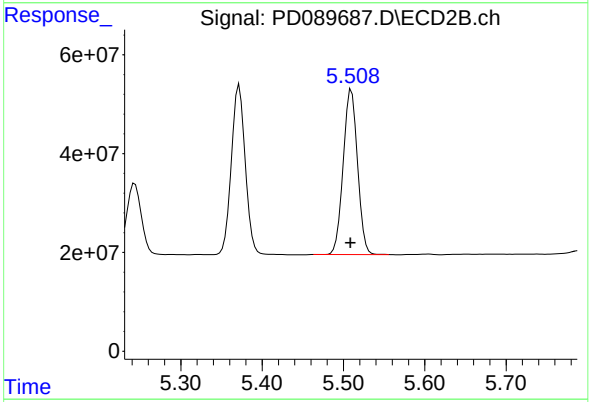
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 408894440
Conc: 19.34 ng/ml



#13 Dieldrin

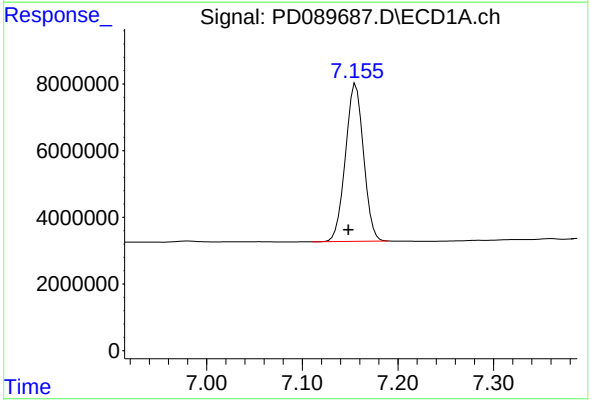
R.T.: 6.353 min
Delta R.T.: 0.008 min
Response: 73492529
Conc: 17.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



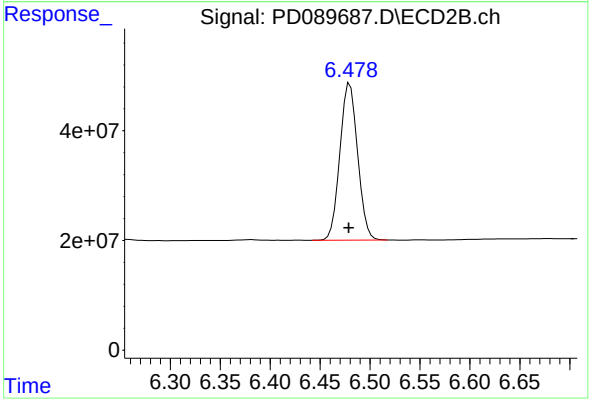
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.001 min
Response: 408173177
Conc: 18.86 ng/ml



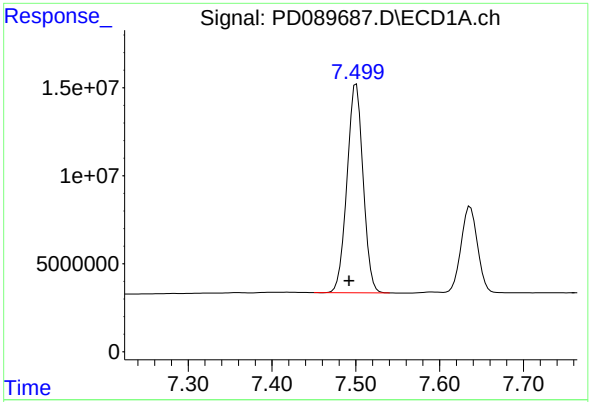
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.008 min
Response: 62490576
Conc: 18.01 ng/ml



#19 Endosulfan Sulfate

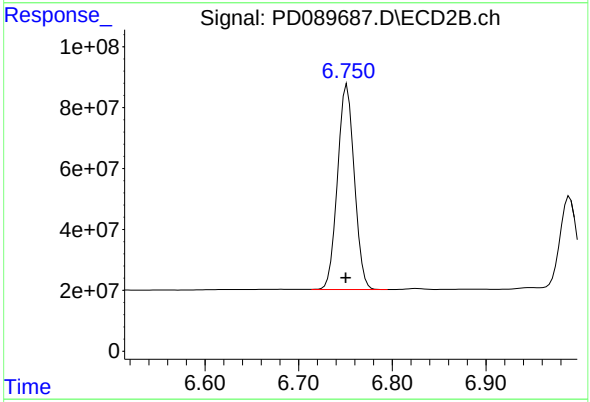
R.T.: 6.480 min
Delta R.T.: 0.001 min
Response: 353740083
Conc: 19.05 ng/ml



#20 Methoxychlor

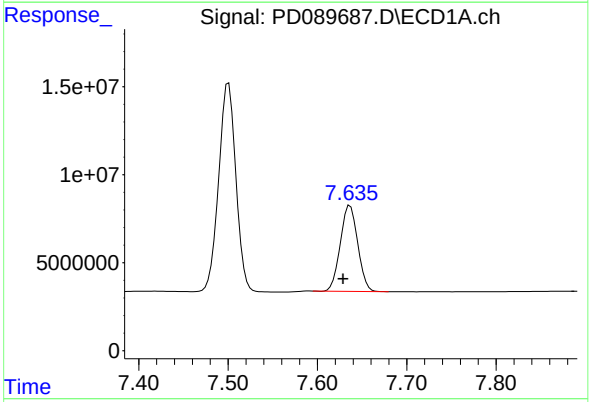
R.T.: 7.501 min
Delta R.T.: 0.009 min
Response: 158727415
Conc: 88.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



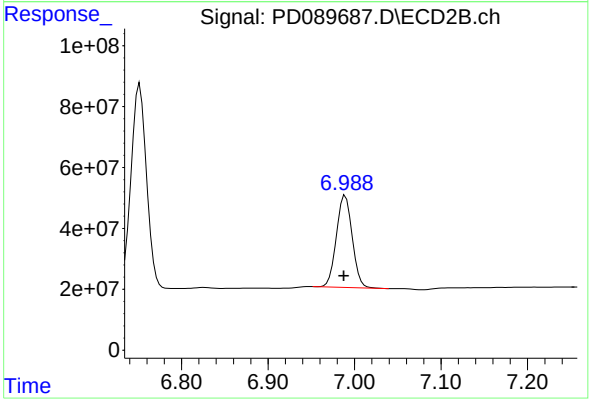
#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: 0.001 min
Response: 839734343
Conc: 85.73 ng/ml



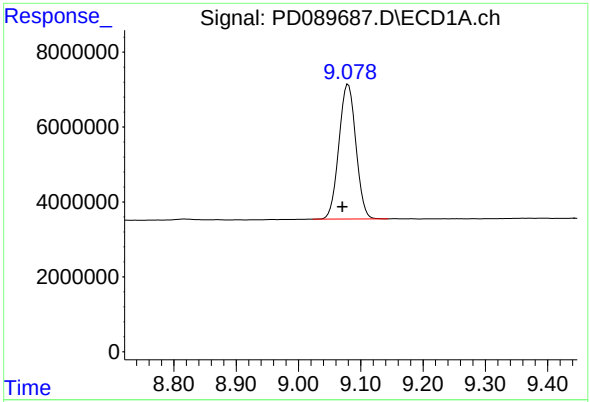
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.008 min
Response: 66017266
Conc: 17.77 ng/ml



#21 Endrin ketone

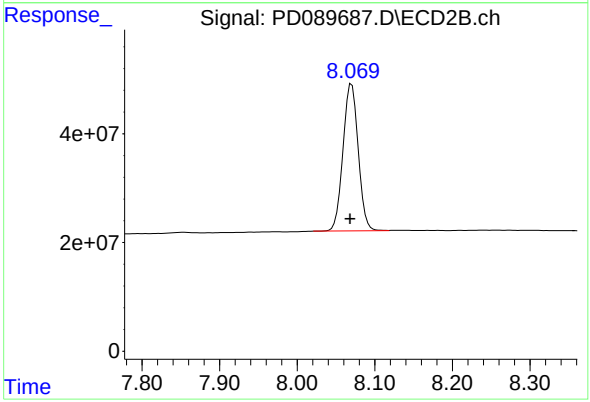
R.T.: 6.989 min
Delta R.T.: 0.002 min
Response: 381645681
Conc: 19.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.009 min
Response: 68540687
Conc: 18.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.002 min
Response: 368884110
Conc: 18.37 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Title : GC Extractables
Last Update : Tue Jul 29 08:58:13 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.535	5.916	100.00%
5.916	6.045	100.00%
6.045	6.166	100.00%
6.166	6.317	100.00%
6.317	7.118	100.00%
7.118	7.463	100.00%
7.463	7.598	100.00%
7.598	9.016	100.00%

Signal #2

2.828	5.052	100.00%
5.052	5.170	100.00%
5.170	5.304	100.00%
5.304	5.435	100.00%
5.435	6.403	100.00%
6.403	6.682	100.00%
6.682	6.907	100.00%
6.907	7.993	100.00%

PL072825.M Tue Jul 29 09:06:52 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	53837096	81066871	16.926	16.968
28)	SA Decachlor...	9.016	7.993	41967810	75251539	17.599	17.346
	Target Compounds						
9)	A Endosulfan I	6.045	5.169	28022040	44379475	7.792	8.023m
10)	B gamma-Chl...	5.916	5.052	31638592	48929496	8.314	8.321
12)	B 4,4'-DDE	6.166	5.304	54660848	96001382	17.022	17.409
13)	MA Dieldrin	6.316	5.435	63095073	99918926	17.001	16.917
19)	B Endosulfa...	7.118	6.403	50325612	88476396	17.513	17.395
20)	A Methoxychlor	7.463	6.682	128.9E6	238.4E6	87.784	87.000
21)	B Endrin ke...	7.598	6.907	51693529	95186865	17.193	17.090

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

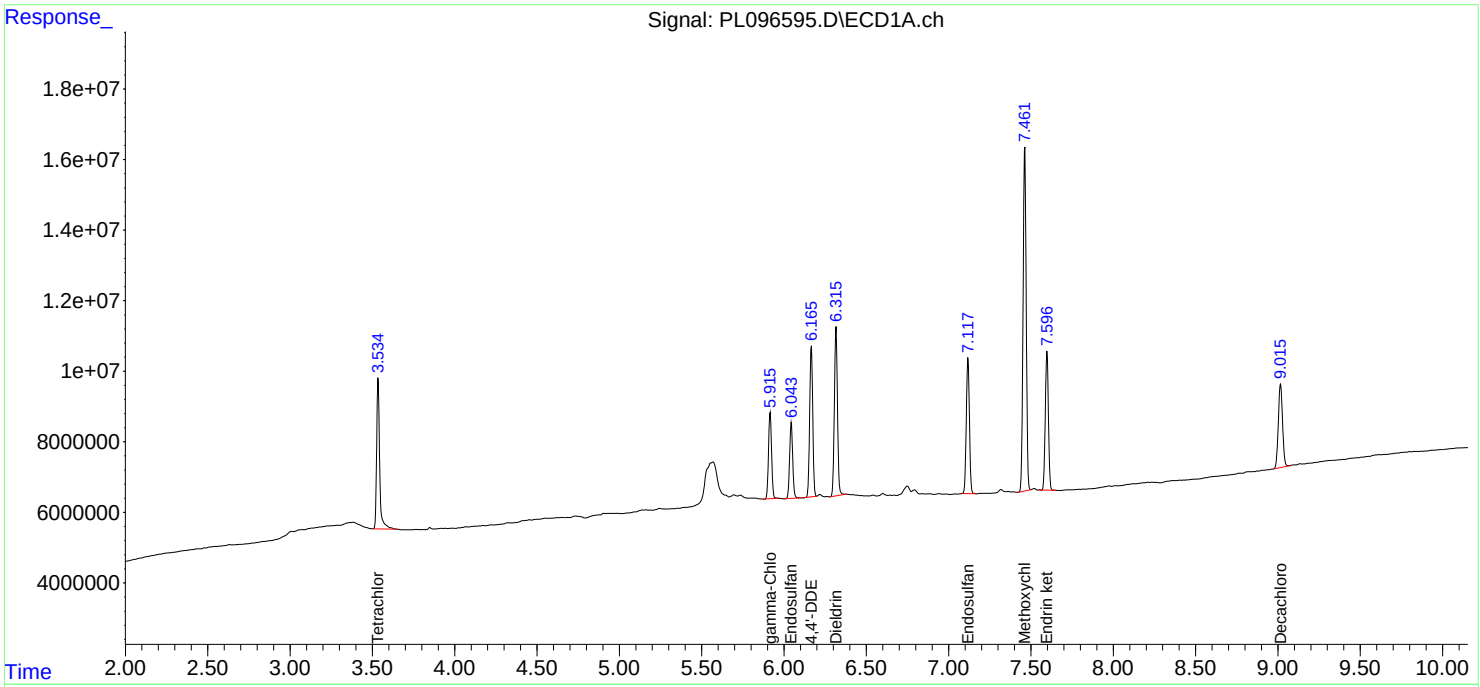
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

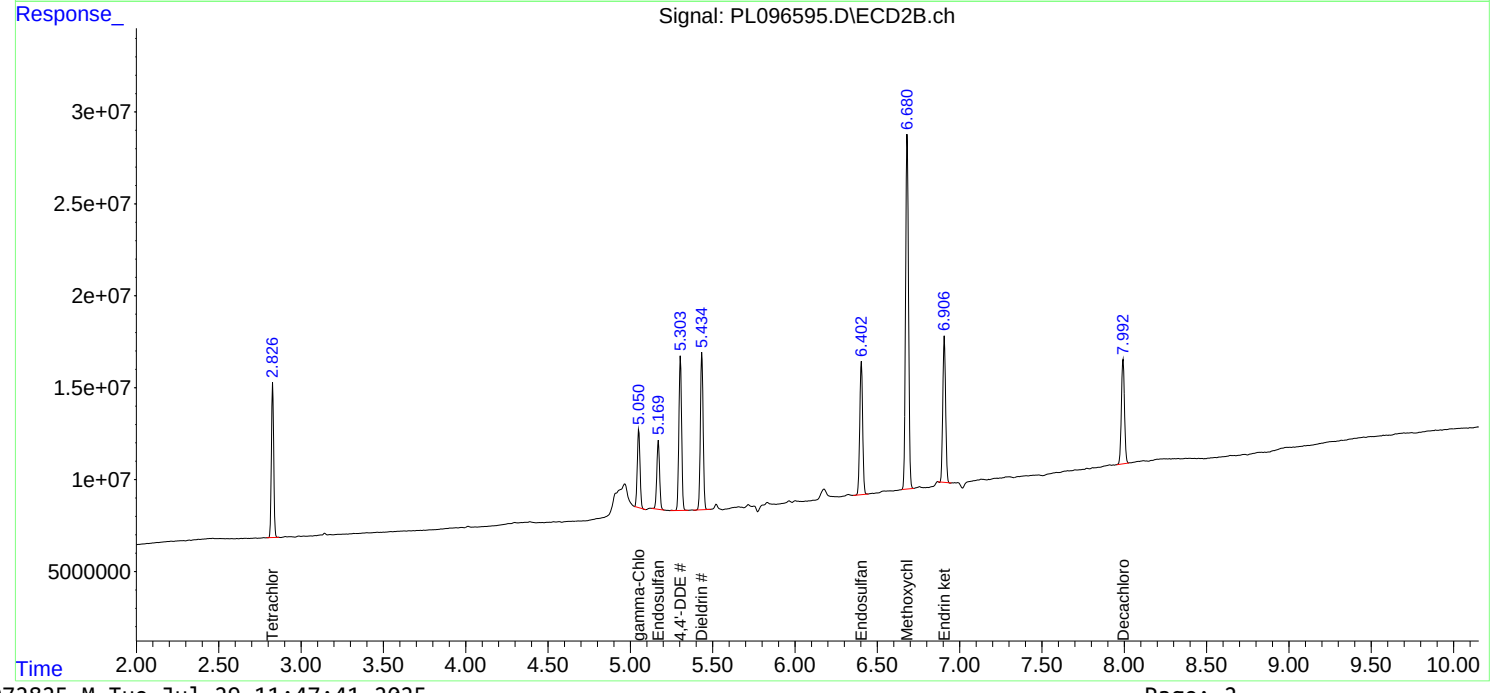
Instrument :
ECD_L
ClientSampleId :
RESCHK

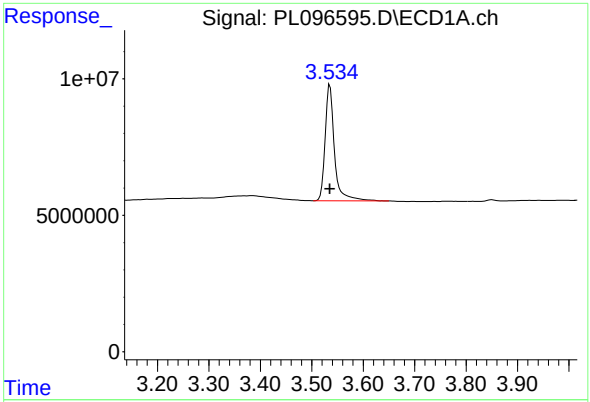
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







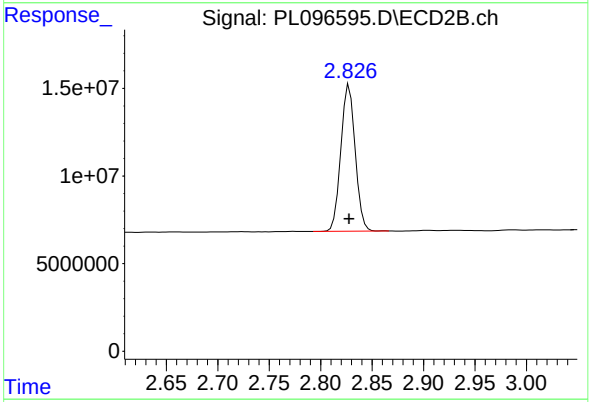
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 53837096
Conc: 16.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

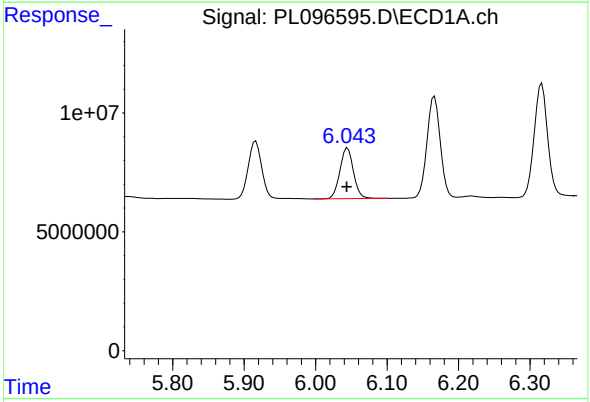
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



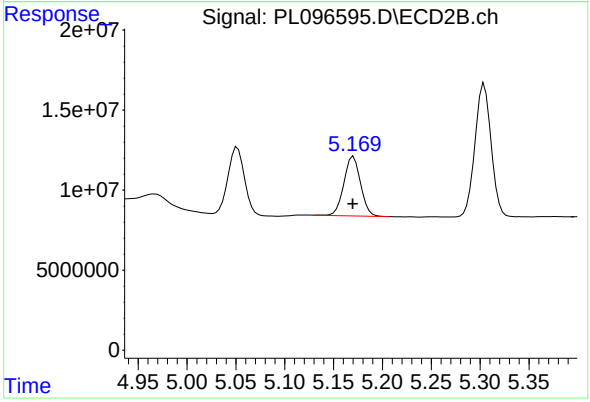
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 81066871
Conc: 16.97 ng/ml



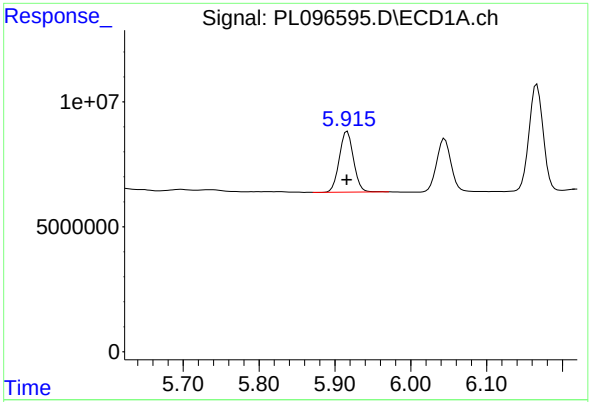
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: 0.001 min
Response: 28022040
Conc: 7.79 ng/ml



#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 44379475
Conc: 8.02 ng/ml m



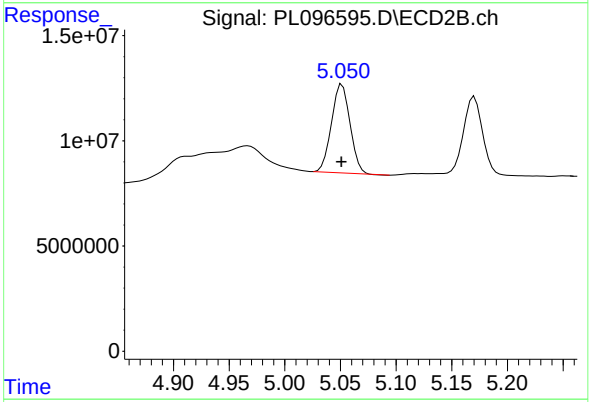
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 8.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

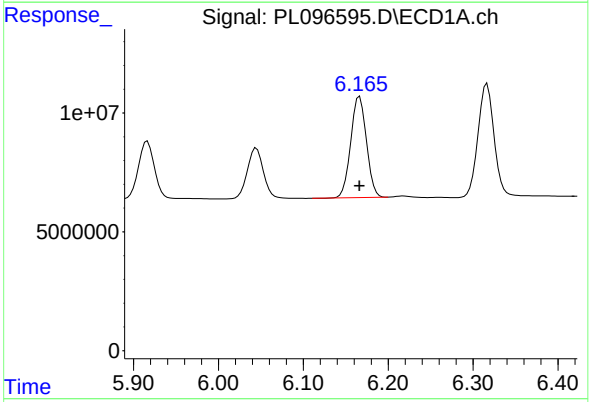
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



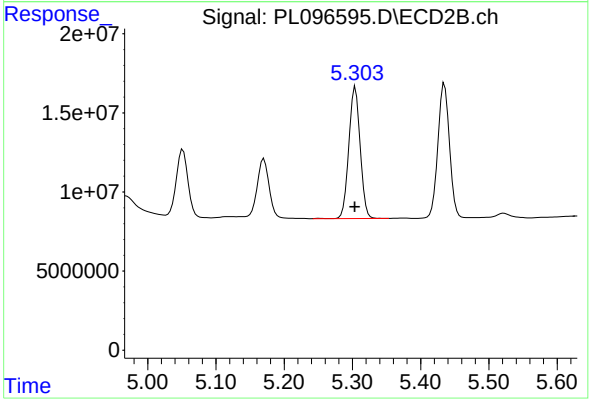
#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 48929496
Conc: 8.32 ng/ml



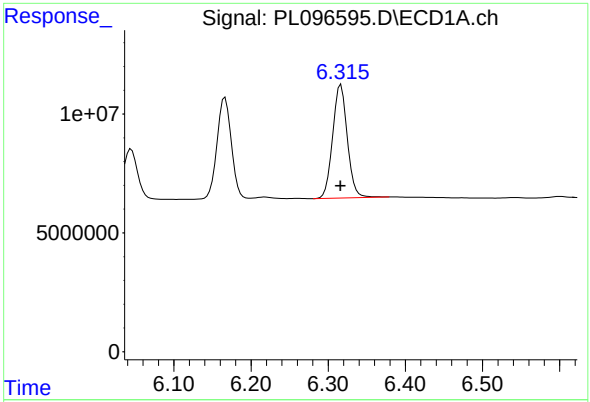
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 54660848
Conc: 17.02 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 96001382
Conc: 17.41 ng/ml



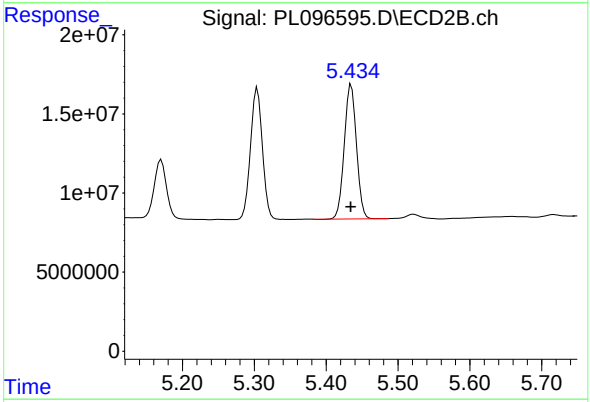
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 63095073
Conc: 17.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

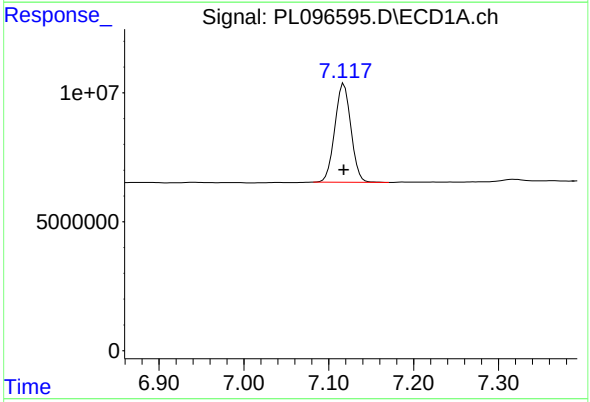
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



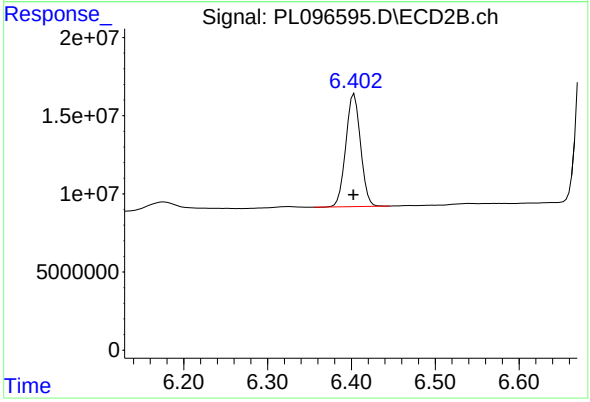
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 99918926
Conc: 16.92 ng/ml



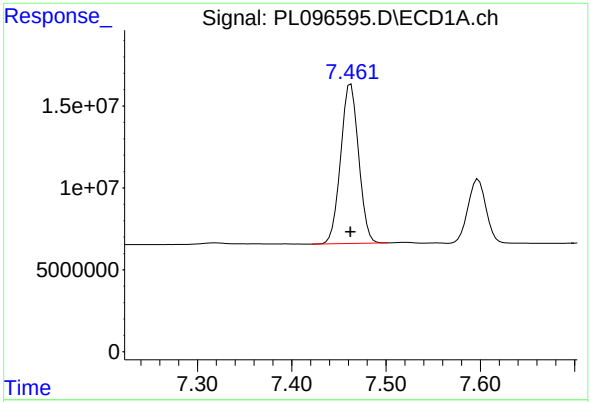
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50325612
Conc: 17.51 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.001 min
Response: 88476396
Conc: 17.40 ng/ml



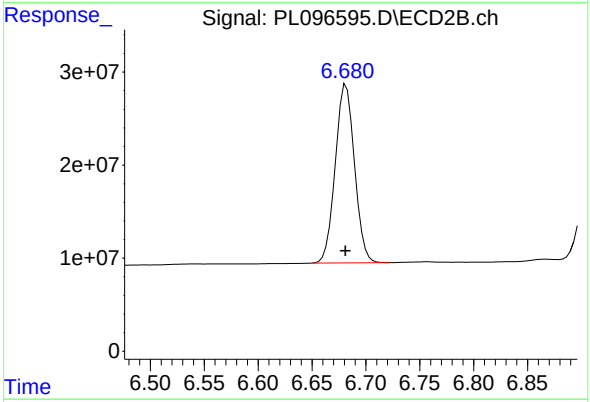
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 128897891
Conc: 87.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

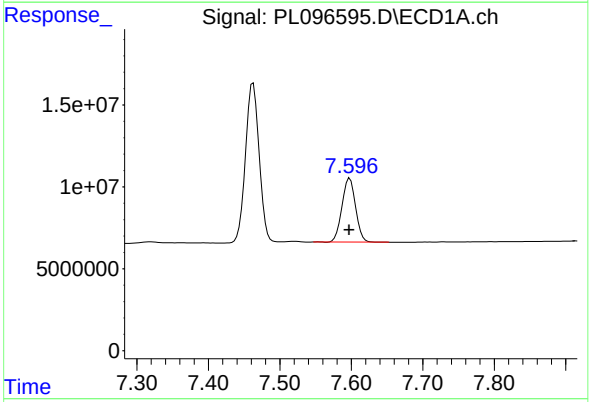
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



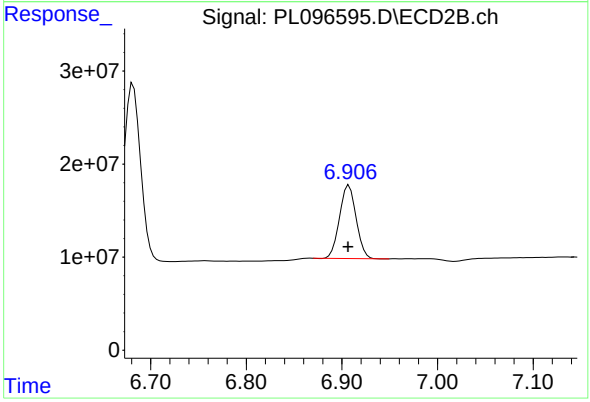
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 238424041
Conc: 87.00 ng/ml



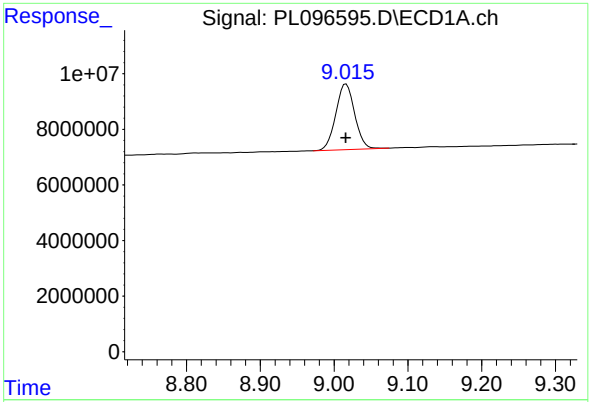
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: 0.000 min
Response: 51693529
Conc: 17.19 ng/ml



#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 95186865
Conc: 17.09 ng/ml



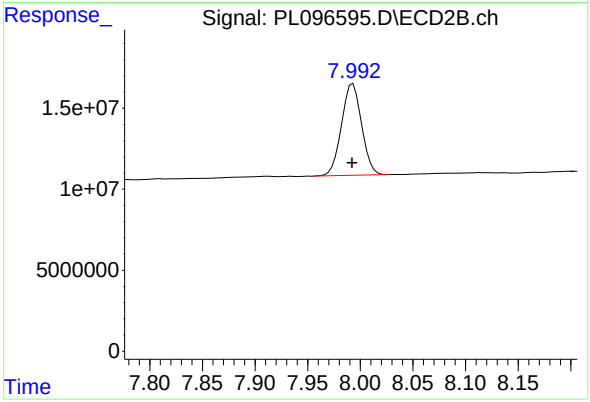
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 41967810
Conc: 17.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 75251539
Conc: 17.35 ng/ml

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Analytical Sequence

Client: Nobis Group **SDG No.:** Q2747

Project: Raymark Superfund Site **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/31/2025 07/31/2025

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 #
I.BLK	I.BLK	07/31/2025	10:33	PD089685.D	9.08	3.56
PEM	PEM	07/31/2025	10:47	PD089686.D	9.07	3.55
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	9.08	3.56
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	9.07	3.55
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	9.07	3.55
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	9.07	3.55
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	9.07	3.55
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	9.07	3.55
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	9.07	3.55
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	9.07	3.55
PEM	PEM	08/06/2025	09:36	PD089767.D	9.07	3.56
I.BLK	I.BLK	08/06/2025	17:01	PD089773.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/06/2025	17:14	PD089774.D	9.06	3.55
OU4-TS-GRILLO-OG2-073125	Q2747-01	08/06/2025	18:23	PD089779.D	9.06	3.55
OU4-TS-GRILLO-OG3-073125	Q2747-03	08/06/2025	18:36	PD089780.D	9.06	3.55
OU4-TS-GRILLO-OG4-073125	Q2747-05	08/06/2025	18:50	PD089781.D	9.06	3.55
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	08/06/2025	19:04	PD089782.D	9.06	3.55
I.BLK	I.BLK	08/06/2025	19:31	PD089784.D	9.06	3.55
PSTDCCC050	PSTDCCC050	08/06/2025	19:45	PD089785.D	9.06	3.55
I.BLK	I.BLK	08/07/2025	09:41	PD089787.D	9.07	3.55
PEM	PEM	08/07/2025	09:55	PD089788.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/07/2025	10:50	PD089789.D	9.07	3.55
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	08/07/2025	11:17	PD089791.D	9.07	3.55
I.BLK	I.BLK	08/07/2025	11:30	PD089792.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/07/2025	11:44	PD089793.D	9.07	3.55
I.BLK	I.BLK	07/28/2025	16:11	PL096593.D	9.02	3.54
PEM	PEM	07/28/2025	16:25	PL096594.D	9.02	3.54
RESCHK	RESCHK	07/28/2025	16:38	PL096595.D	9.02	3.54
PSTDICC100	PSTDICC100	07/28/2025	16:52	PL096596.D	9.02	3.54
PSTDICC075	PSTDICC075	07/28/2025	17:06	PL096597.D	9.02	3.54
PSTDICC050	PSTDICC050	07/28/2025	17:19	PL096598.D	9.02	3.54
PSTDICC025	PSTDICC025	07/28/2025	17:33	PL096599.D	9.02	3.54
PSTDICC005	PSTDICC005	07/28/2025	17:47	PL096600.D	9.02	3.53
PCHLORICC500	PCHLORICC500	07/28/2025	18:27	PL096603.D	9.02	3.54
PTOXICC500	PTOXICC500	07/28/2025	19:36	PL096608.D	9.02	3.54
I.BLK	I.BLK	08/04/2025	09:17	PL096687.D	9.01	3.53
PEM	PEM	08/04/2025	09:30	PL096688.D	9.01	3.53
PSTDCCC050	PSTDCCC050	08/04/2025	10:07	PL096689.D	9.02	3.53
PB169093BL	PB169093BL	08/04/2025	12:30	PL096690.D	9.02	3.53
PB169093BS	PB169093BS	08/04/2025	12:52	PL096691.D	9.02	3.53
VNJ-253MS	Q2734-01MS	08/04/2025	14:22	PL096696.D	9.01	3.53
VNJ-253MSD	Q2734-01MSD	08/04/2025	14:36	PL096697.D	9.01	3.53

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Analytical Sequence

I.BLK	I.BLK	08/04/2025	14:50	PL096698.D	9.01	3.53
PSTDCCC050	PSTDCCC050	08/04/2025	15:03	PL096699.D	9.01	3.53

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Analytical Sequence

Client: Nobis Group **SDG No.:** Q2747

Project: Raymark Superfund Site **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/31/2025 07/31/2025

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 #
I.BLK	I.BLK	07/31/2025	10:33	PD089685.D	8.07	2.88
PEM	PEM	07/31/2025	10:47	PD089686.D	8.07	2.88
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	8.07	2.88
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	8.07	2.88
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	8.07	2.88
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	8.07	2.88
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	8.07	2.88
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	8.07	2.88
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	8.07	2.88
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	8.07	2.88
PEM	PEM	08/06/2025	09:36	PD089767.D	8.07	2.88
I.BLK	I.BLK	08/06/2025	17:01	PD089773.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/06/2025	17:14	PD089774.D	8.06	2.88
OU4-TS-GRILLO-OG2-073125	Q2747-01	08/06/2025	18:23	PD089779.D	8.06	2.88
OU4-TS-GRILLO-OG3-073125	Q2747-03	08/06/2025	18:36	PD089780.D	8.06	2.88
OU4-TS-GRILLO-OG4-073125	Q2747-05	08/06/2025	18:50	PD089781.D	8.06	2.88
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	08/06/2025	19:04	PD089782.D	8.06	2.88
I.BLK	I.BLK	08/06/2025	19:31	PD089784.D	8.06	2.88
PSTDCCC050	PSTDCCC050	08/06/2025	19:45	PD089785.D	8.06	2.88
I.BLK	I.BLK	08/07/2025	09:41	PD089787.D	8.06	2.88
PEM	PEM	08/07/2025	09:55	PD089788.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/07/2025	10:50	PD089789.D	8.07	2.88
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	08/07/2025	11:17	PD089791.D	8.07	2.88
I.BLK	I.BLK	08/07/2025	11:30	PD089792.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/07/2025	11:44	PD089793.D	8.06	2.88
I.BLK	I.BLK	07/28/2025	16:11	PL096593.D	7.99	2.83
PEM	PEM	07/28/2025	16:25	PL096594.D	7.99	2.83
RESCHK	RESCHK	07/28/2025	16:38	PL096595.D	7.99	2.83
PSTDICC100	PSTDICC100	07/28/2025	16:52	PL096596.D	7.99	2.83
PSTDICC075	PSTDICC075	07/28/2025	17:06	PL096597.D	7.99	2.83
PSTDICC050	PSTDICC050	07/28/2025	17:19	PL096598.D	7.99	2.83
PSTDICC025	PSTDICC025	07/28/2025	17:33	PL096599.D	7.99	2.83
PSTDICC005	PSTDICC005	07/28/2025	17:47	PL096600.D	7.99	2.83
PCHLORICC500	PCHLORICC500	07/28/2025	18:27	PL096603.D	7.99	2.83
PTOXICC500	PTOXICC500	07/28/2025	19:36	PL096608.D	7.99	2.83
I.BLK	I.BLK	08/04/2025	09:17	PL096687.D	7.99	2.83
PEM	PEM	08/04/2025	09:30	PL096688.D	7.99	2.83
PSTDCCC050	PSTDCCC050	08/04/2025	10:07	PL096689.D	7.99	2.83
PB169093BL	PB169093BL	08/04/2025	12:30	PL096690.D	7.99	2.82
PB169093BS	PB169093BS	08/04/2025	12:52	PL096691.D	7.99	2.82
VNJ-253MS	Q2734-01MS	08/04/2025	14:22	PL096696.D	7.99	2.83
VNJ-253MSD	Q2734-01MSD	08/04/2025	14:36	PL096697.D	7.99	2.83

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Analytical Sequence

I.BLK	I.BLK	08/04/2025	14:50	PL096698.D	7.99	2.83
PSTDCCC050	PSTDCCC050	08/04/2025	15:03	PL096699.D	7.99	2.83

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-OG2-073125

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2747-01 **Date(s) Analyzed:** 08/06/2025 08/06/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.02	5.97	6.07	0.29	25.2
	2	5.18	5.13	5.23	0.23	
4,4'-DDE	1	6.19	6.14	6.24	0.66	50.1
	2	5.37	5.32	5.42	1.10	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-OG3-073125

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2747-03 **Date(s) Analyzed:** 08/06/2025 08/06/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.02	5.97	6.07	0.42	23
	2	5.18	5.13	5.23	0.33	
4,4'-DDE	1	6.19	6.14	6.24	0.85	42.1
	2	5.37	5.32	5.42	1.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-OG4-073125

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2747-05 **Date(s) Analyzed:** 08/06/2025 08/06/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.02	5.97	6.07	0.34	24.6
	2	5.18	5.13	5.23	0.26	
4,4'-DDE	1	6.19	6.14	6.24	0.80	47.8
	2	5.37	5.32	5.42	1.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP01-07312

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2747-07 **Date(s) Analyzed:** 08/06/2025 08/06/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	10.7	27.4
	2	6.18	6.13	6.23	14.1	
gamma-Chlordane	1	5.94	5.89	5.99	1.80	11.8
	2	5.12	5.07	5.17	1.60	
alpha-Chlordane	1	6.03	5.98	6.08	4.10	2.5
	2	5.19	5.14	5.24	4.00	
4,4'-DDE	1	6.19	6.14	6.24	3.50	31.3
	2	5.37	5.32	5.42	4.80	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-TS-GRILLO-TSCP02-07311

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2747-09 **Date(s) Analyzed:** 08/07/2025 08/07/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.36	114.2
	2	6.17	6.12	6.22	1.30	
gamma-Chlordane	1	5.94	5.89	5.99	1.50	43.8
	2	5.12	5.07	5.17	0.96	
alpha-Chlordane	1	6.03	5.98	6.08	3.40	23
	2	5.18	5.13	5.23	2.70	
4,4'-DDE	1	6.19	6.14	6.24	3.00	37.8
	2	5.37	5.32	5.42	4.40	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169093BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: PB169093BS **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.68	6.63	6.73	18.3	0.5
	2	5.85	5.80	5.90	18.4	
4,4'-DDE	1	6.17	6.12	6.22	17.5	0.6
	2	5.30	5.25	5.35	17.4	
4,4'-DDT	1	6.99	6.94	7.04	14.6	2
	2	6.11	6.06	6.16	14.9	
alpha-BHC	1	3.98	3.93	4.03	17.7	0.6
	2	3.33	3.28	3.38	17.8	
Aldrin	1	5.24	5.19	5.29	17.2	1.7
	2	4.29	4.24	4.34	17.5	
alpha-Chlordane	1	6.00	5.95	6.05	17.1	0
	2	5.11	5.06	5.16	17.1	
Endosulfan II	1	6.76	6.71	6.81	16.4	5.9
	2	6.00	5.95	6.05	17.4	
Endosulfan sulfate	1	7.12	7.07	7.17	17.4	0
	2	6.40	6.35	6.45	17.4	
beta-BHC	1	4.50	4.45	4.55	17.4	1.7
	2	3.96	3.91	4.01	17.1	
delta-BHC	1	4.74	4.69	4.79	17.8	1.7
	2	4.19	4.14	4.24	17.5	
Endosulfan I	1	6.04	5.99	6.09	17.3	3.5
	2	5.17	5.12	5.22	16.7	
Dieldrin	1	6.32	6.27	6.37	17.3	0
	2	5.43	5.38	5.48	17.3	
Endrin aldehyde	1	6.88	6.83	6.93	19.6	1.5
	2	6.18	6.13	6.23	19.9	
Methoxychlor	1	7.46	7.41	7.51	13.9	1.4
	2	6.68	6.63	6.73	14.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169093BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: PB169093BS **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.60	7.55	7.65	18.7	0.5
	2	6.91	6.86	6.96	18.6	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	17.3	1.1
	2	3.66	3.61	3.71	17.5	
Heptachlor	1	4.90	4.85	4.95	17.2	4.8
	2	4.01	3.96	4.06	16.4	
Heptachlor epoxide	1	5.66	5.61	5.71	17.2	0.6
	2	4.80	4.75	4.85	17.3	
gamma-Chlordane	1	5.92	5.87	5.97	17.6	0.6
	2	5.05	5.00	5.10	17.7	
Endrin	1	6.54	6.49	6.59	15.0	3.4
	2	5.71	5.66	5.76	14.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-253MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2734-01MS **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.67	6.62	6.72	22.0	19.5
	2	5.85	5.80	5.90	18.1	
4,4'-DDT	1	6.99	6.94	7.04	25.9	15.4
	2	6.11	6.06	6.16	22.2	
alpha-BHC	1	3.98	3.93	4.03	17.3	1.1
	2	3.33	3.28	3.38	17.5	
Aldrin	1	5.24	5.19	5.29	17.6	1.1
	2	4.30	4.25	4.35	17.4	
4,4'-DDE	1	6.16	6.11	6.21	24.8	1.6
	2	5.30	5.25	5.35	25.2	
Endosulfan II	1	6.75	6.70	6.80	18.8	5.5
	2	6.00	5.95	6.05	17.8	
Endrin aldehyde	1	6.88	6.83	6.93	19.9	37.6
	2	6.18	6.13	6.23	13.6	
Endosulfan sulfate	1	7.12	7.07	7.17	17.8	1.7
	2	6.40	6.35	6.45	17.5	
Methoxychlor	1	7.46	7.41	7.51	19.3	24.4
	2	6.68	6.63	6.73	15.1	
Endrin ketone	1	7.60	7.55	7.65	19.5	18.5
	2	6.91	6.86	6.96	16.2	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	17.5	5
	2	3.66	3.61	3.71	18.4	
Heptachlor	1	4.90	4.85	4.95	18.9	5.4
	2	4.01	3.96	4.06	17.9	
beta-BHC	1	4.50	4.45	4.55	19.1	8.5
	2	3.96	3.91	4.01	20.8	
delta-BHC	1	4.74	4.69	4.79	18.9	7.7
	2	4.19	4.14	4.24	17.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-253MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2734-01MS **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor epoxide	1	5.66	5.61	5.71	24.1	24.7
	2	4.80	4.75	4.85	18.8	
Endosulfan I	1	6.04	5.99	6.09	19.4	0.5
	2	5.17	5.12	5.22	19.5	
gamma-Chlordane	1	5.91	5.86	5.96	19.7	9.6
	2	5.05	5.00	5.10	17.9	
alpha-Chlordane	1	5.99	5.94	6.04	18.5	1.1
	2	5.11	5.06	5.16	18.3	
Dieldrin	1	6.31	6.26	6.36	17.4	7.2
	2	5.43	5.38	5.48	18.7	
Endrin	1	6.54	6.49	6.59	16.1	26.9
	2	5.71	5.66	5.76	21.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-253MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2734-01MSD **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.75	6.70	6.80	17.8	0.6
	2	6.00	5.95	6.05	17.7	
4,4'-DDD	1	6.67	6.62	6.72	21.3	16.2
	2	5.85	5.80	5.90	18.1	
4,4'-DDT	1	6.99	6.94	7.04	25.4	15.3
	2	6.11	6.06	6.16	21.8	
Endosulfan sulfate	1	7.12	7.07	7.17	18.4	5.6
	2	6.40	6.35	6.45	17.4	
alpha-BHC	1	3.98	3.93	4.03	17.4	0.6
	2	3.33	3.28	3.38	17.5	
Aldrin	1	5.24	5.19	5.29	17.8	2.8
	2	4.30	4.25	4.35	17.3	
beta-BHC	1	4.50	4.45	4.55	18.6	9.2
	2	3.96	3.91	4.01	20.4	
delta-BHC	1	4.74	4.69	4.79	19.3	10.4
	2	4.19	4.14	4.24	17.4	
Endosulfan I	1	6.04	5.99	6.09	19.7	2.1
	2	5.17	5.12	5.22	19.3	
alpha-Chlordane	1	5.99	5.94	6.04	19.0	4.9
	2	5.11	5.06	5.16	18.1	
4,4'-DDE	1	6.16	6.11	6.21	25.2	0.8
	2	5.30	5.25	5.35	25.0	
Dieldrin	1	6.31	6.26	6.36	17.3	7.2
	2	5.43	5.38	5.48	18.6	
Endrin aldehyde	1	6.88	6.83	6.93	20.8	35
	2	6.18	6.13	6.23	14.6	
Methoxychlor	1	7.46	7.41	7.51	14.9	3.9
	2	6.68	6.63	6.73	15.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-253MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2734-01MSD **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.59	7.54	7.64	17.6	8.9
	2	6.91	6.86	6.96	16.1	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	18.0	1.7
	2	3.66	3.61	3.71	18.3	
Heptachlor	1	4.90	4.85	4.95	18.5	3.9
	2	4.01	3.96	4.06	17.8	
Heptachlor epoxide	1	5.66	5.61	5.71	24.4	27
	2	4.80	4.75	4.85	18.6	
gamma-Chlordane	1	5.91	5.86	5.96	18.4	3.3
	2	5.05	5.00	5.10	17.8	
Endrin	1	6.54	6.49	6.59	16.5	22.6
	2	5.71	5.66	5.76	20.7	

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB169093BL	SDG No.:	Q2747
Lab Sample ID:	PB169093BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096690.D	1	08/04/25 08:55	08/04/25 12:30	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00033	U	0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.00083	U	0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.00083	U	0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.00083	U	0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.00033	U	0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00033	U	0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.00083	U	0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.00083	U	0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.00033	U	0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.4		55 - 130		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		42 - 129		96%	SPK: 20

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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB169093BL	SDG No.:	Q2747
Lab Sample ID:	PB169093BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096690.D	1	08/04/25 08:55	08/04/25 12:30	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 12:30
Operator : AR\AJ
Sample : PB169093BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169093BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.532	2.822	59747302	91878739	18.784	19.230
28)	SA Decachlor...	9.018	7.990	48415240	93055543	20.303	21.450
	Target Compounds						

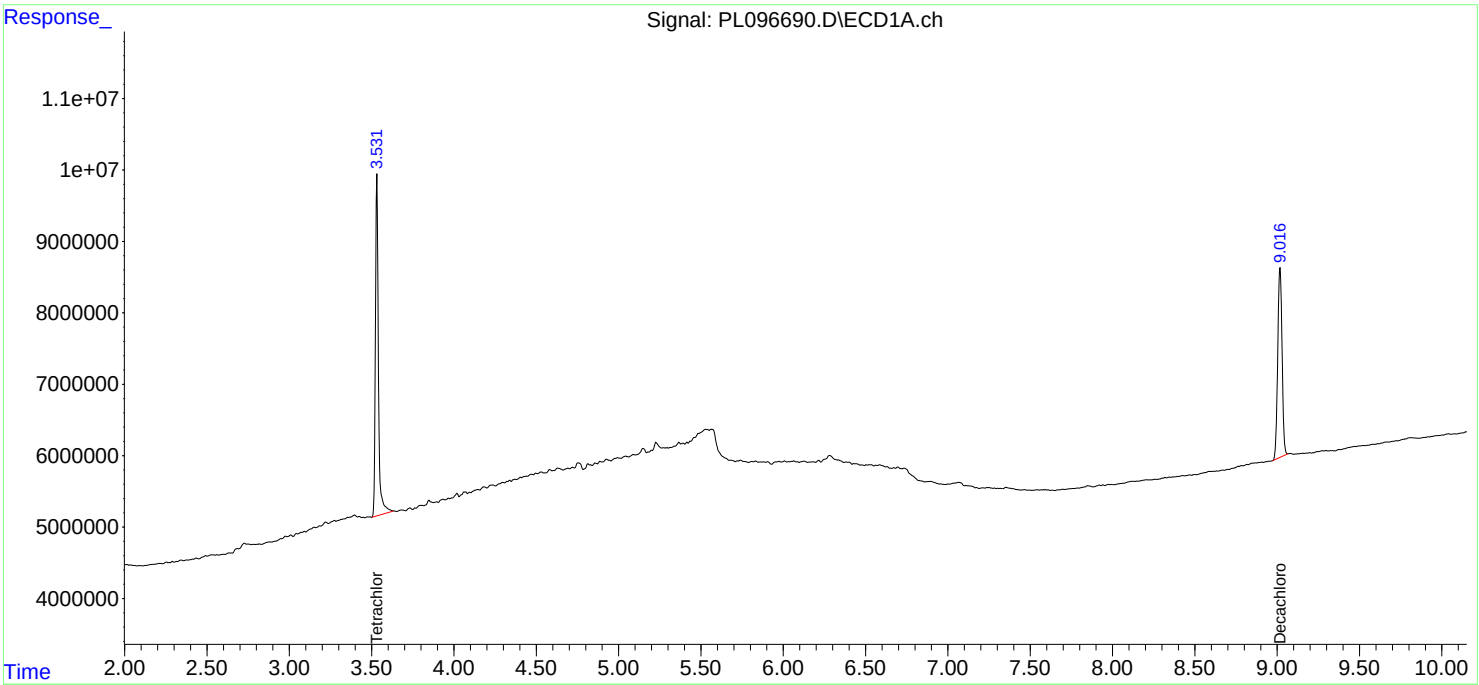
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

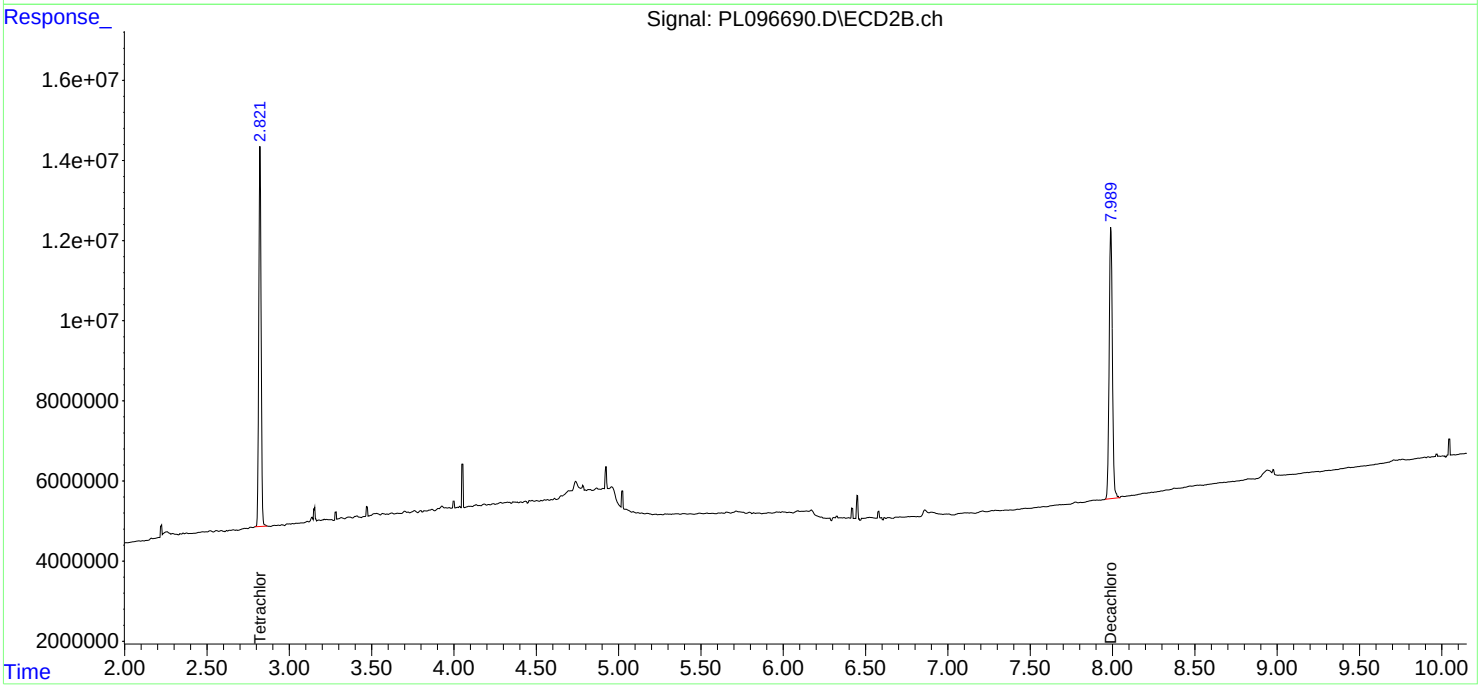
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 12:30
Operator : AR\AJ
Sample : PB169093BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

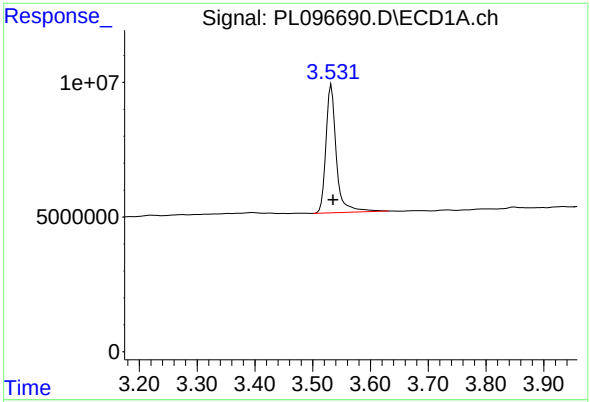
Instrument :
ECD_L
ClientSampleId :
PB169093BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



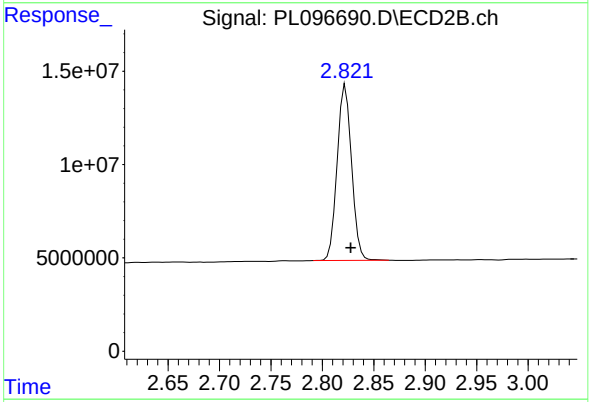




#1 Tetrachloro-m-xylene

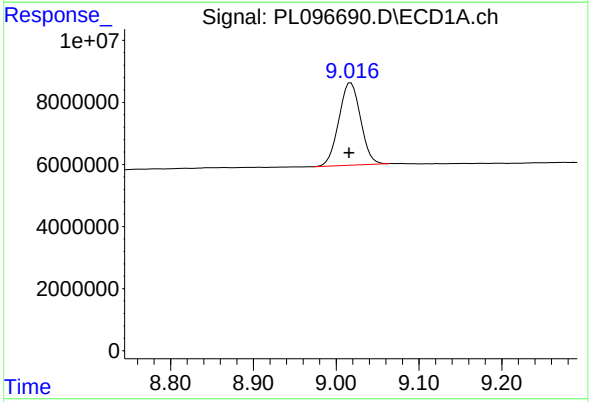
R.T.: 3.532 min
Delta R.T.: -0.003 min
Response: 59747302
Conc: 18.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BL



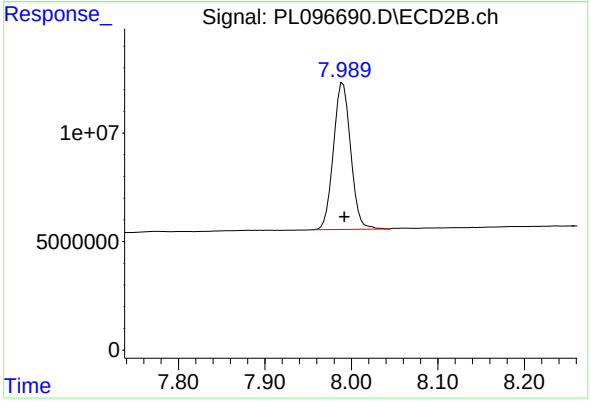
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.005 min
Response: 91878739
Conc: 19.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: 0.002 min
Response: 48415240
Conc: 20.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 93055543
Conc: 21.45 ng/ml

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089685.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089685.D	1		07/31/25	pd073125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.9		30 - 135		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		44 - 124		102%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089685.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089685.D	1		07/31/25	pd073125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:33
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: Aug 01 07:05:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.555	2.877	48438502	323.8E6	19.638	20.442
28)	SA Decachlor...	9.080	8.070	77499630	419.1E6	20.854	20.872
	Target Compounds						

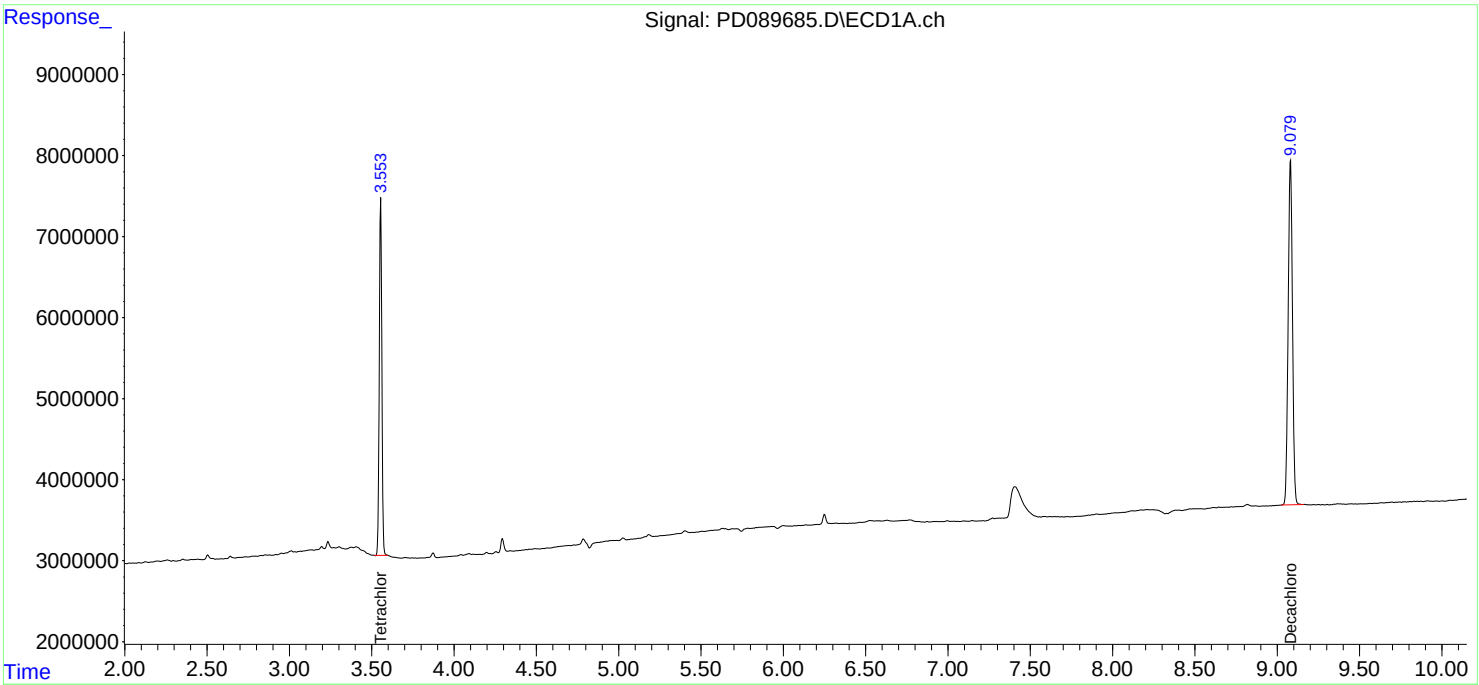
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

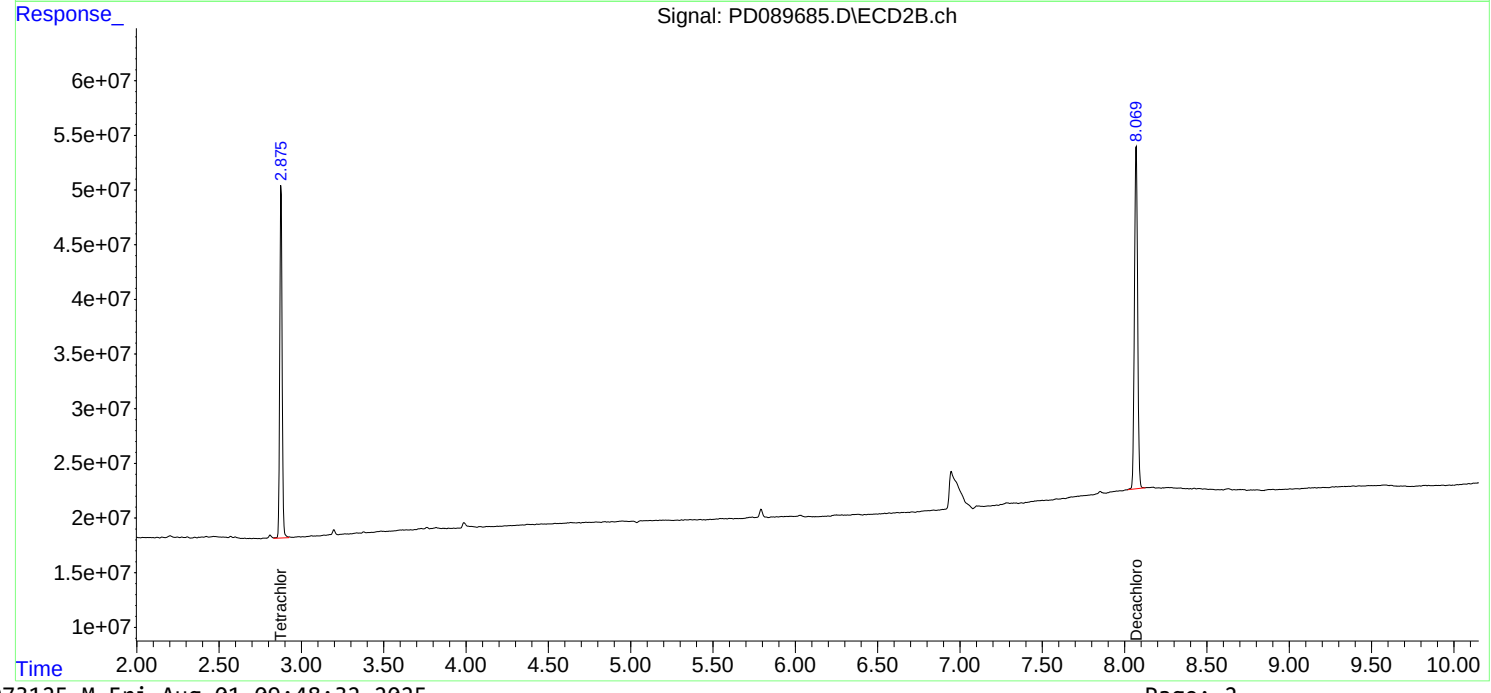
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

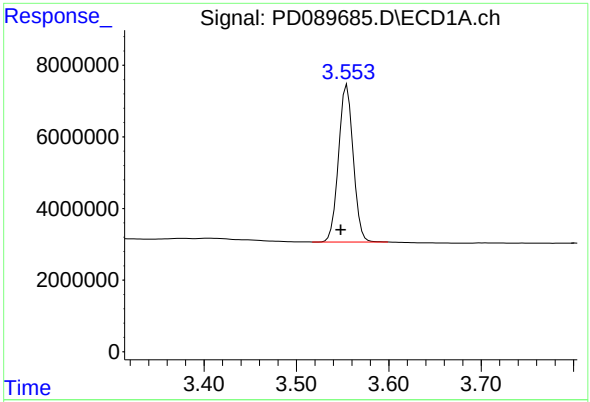
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



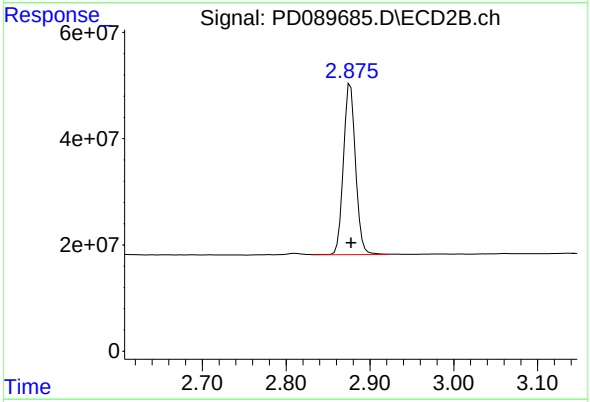




#1 Tetrachloro-m-xylene

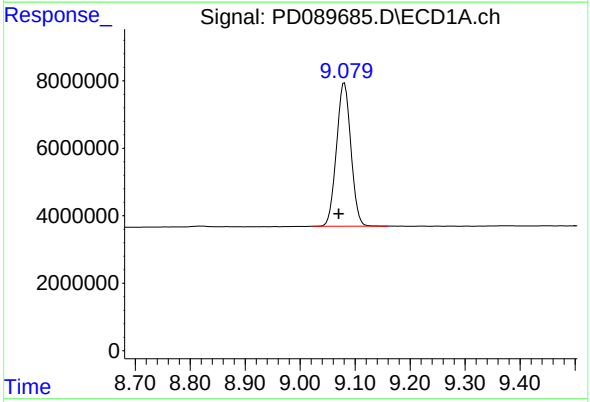
R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 48438502
Conc: 19.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



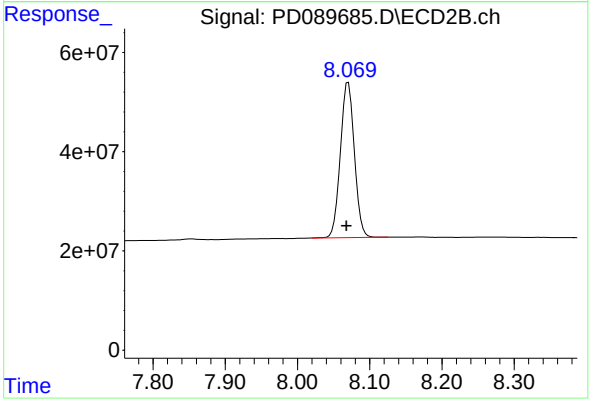
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 323764927
Conc: 20.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.010 min
Response: 77499630
Conc: 20.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.003 min
Response: 419071996
Conc: 20.87 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/06/25
Project:	Raymark Superfund Site	Date Received:	08/06/25
Client Sample ID:	PIBLK-PD089773.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089773.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089773.D	1		08/06/25	pd080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.1		30 - 135		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.1		44 - 124		120%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	08/06/25
Project:	Raymark Superfund Site	Date Received:	08/06/25
Client Sample ID:	PIBLK-PD089773.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089773.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089773.D	1		08/06/25	pd080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089773.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 17:01
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: Aug 07 03:07:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	49784878	381.2E6	20.184	24.066
28)	SA Decachlor...	9.065	8.065	78535425	483.2E6	21.133	24.064
	Target Compounds						

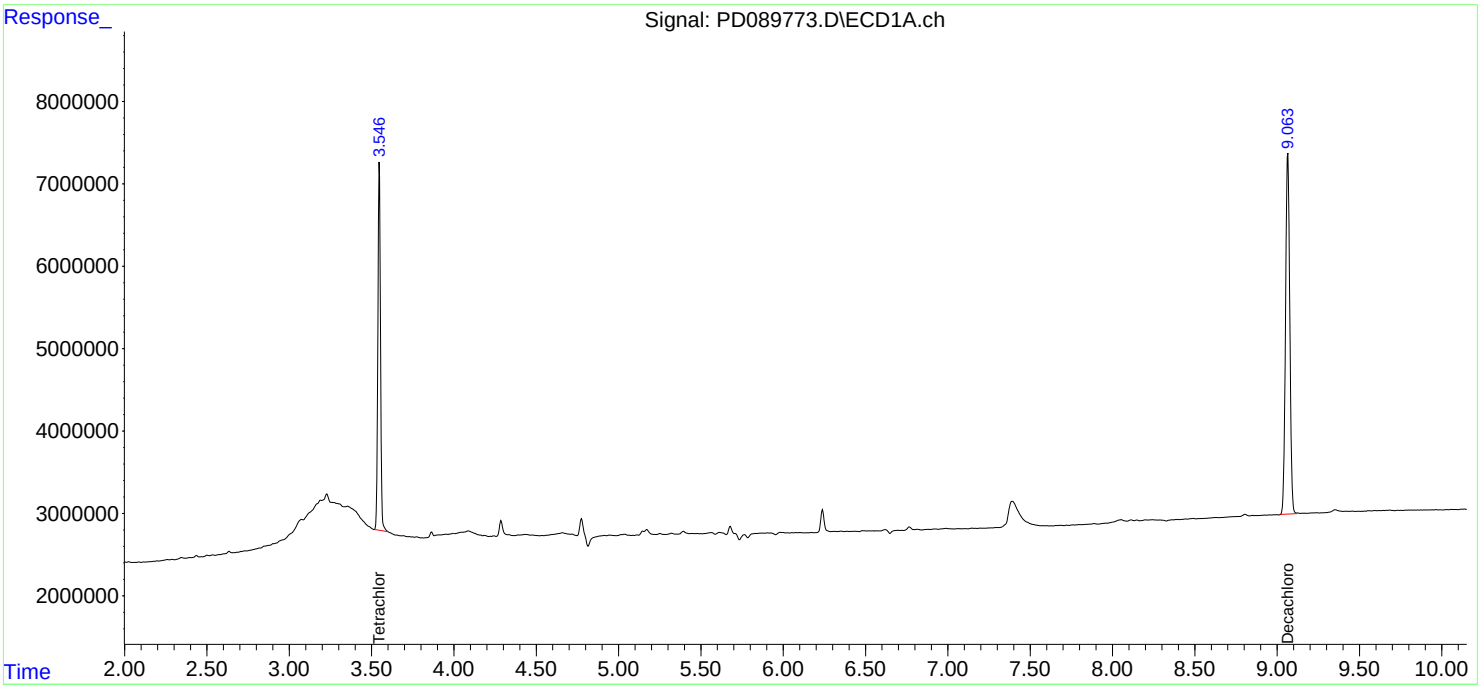
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

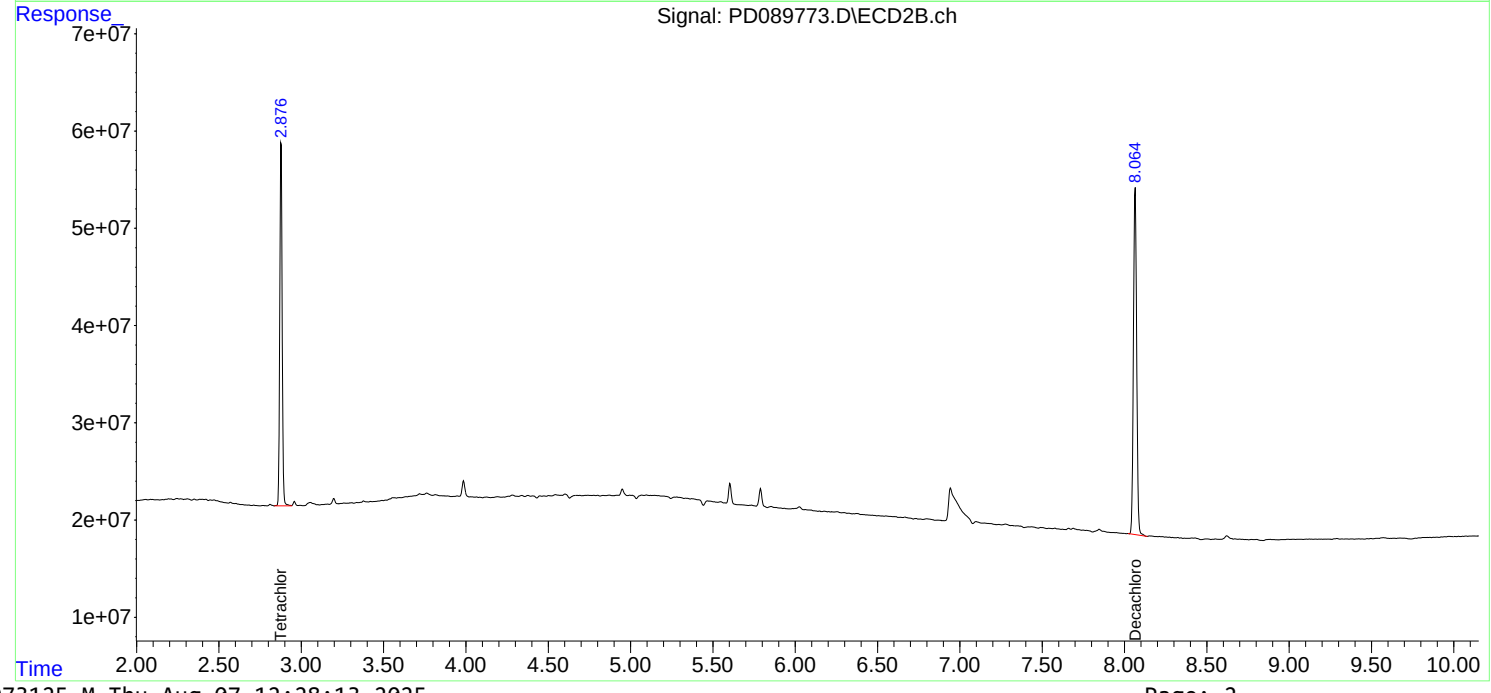
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089773.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 17:01
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

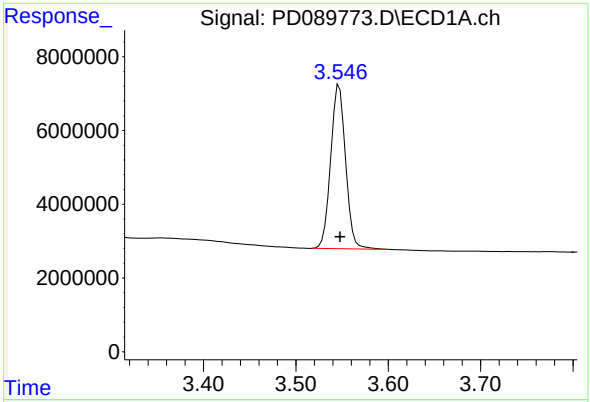
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:07:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



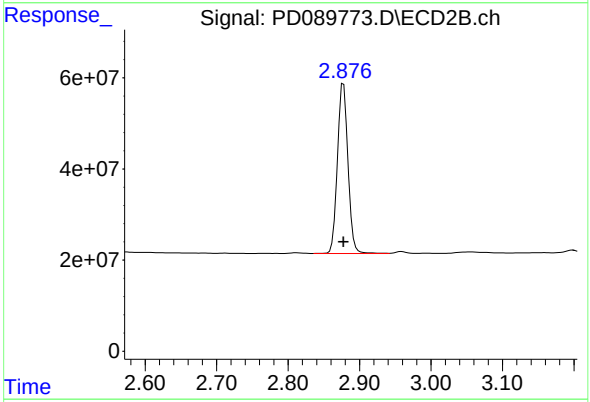




#1 Tetrachloro-m-xylene

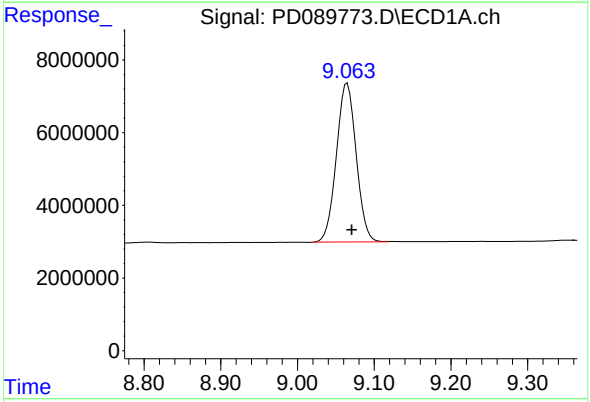
R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 49784878
Conc: 20.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



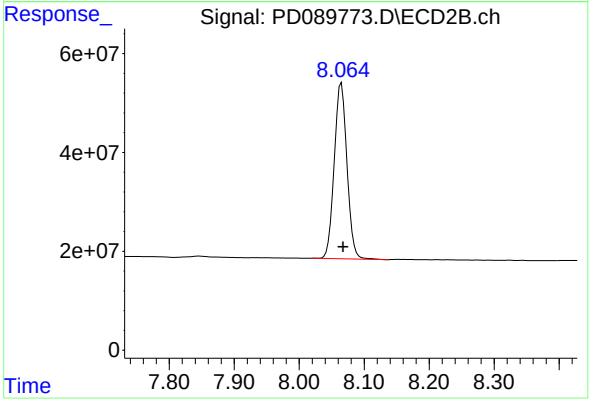
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 381150197
Conc: 24.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.006 min
Response: 78535425
Conc: 21.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 483150956
Conc: 24.06 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/06/25
Project:	Raymark Superfund Site	Date Received:	08/06/25
Client Sample ID:	PIBLK-PD089784.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089784.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089784.D	1		08/06/25	pd080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.8		30 - 135		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.4		44 - 124		122%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/06/25
Project:	Raymark Superfund Site	Date Received:	08/06/25
Client Sample ID:	PIBLK-PD089784.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089784.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089784.D	1		08/06/25	pd080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089784.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:31
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: Aug 07 03:09:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	49612557	386.8E6	20.114	24.425
28)	SA Decachlor...	9.064	8.064	77005172	457.1E6	20.721	22.765
	Target Compounds						

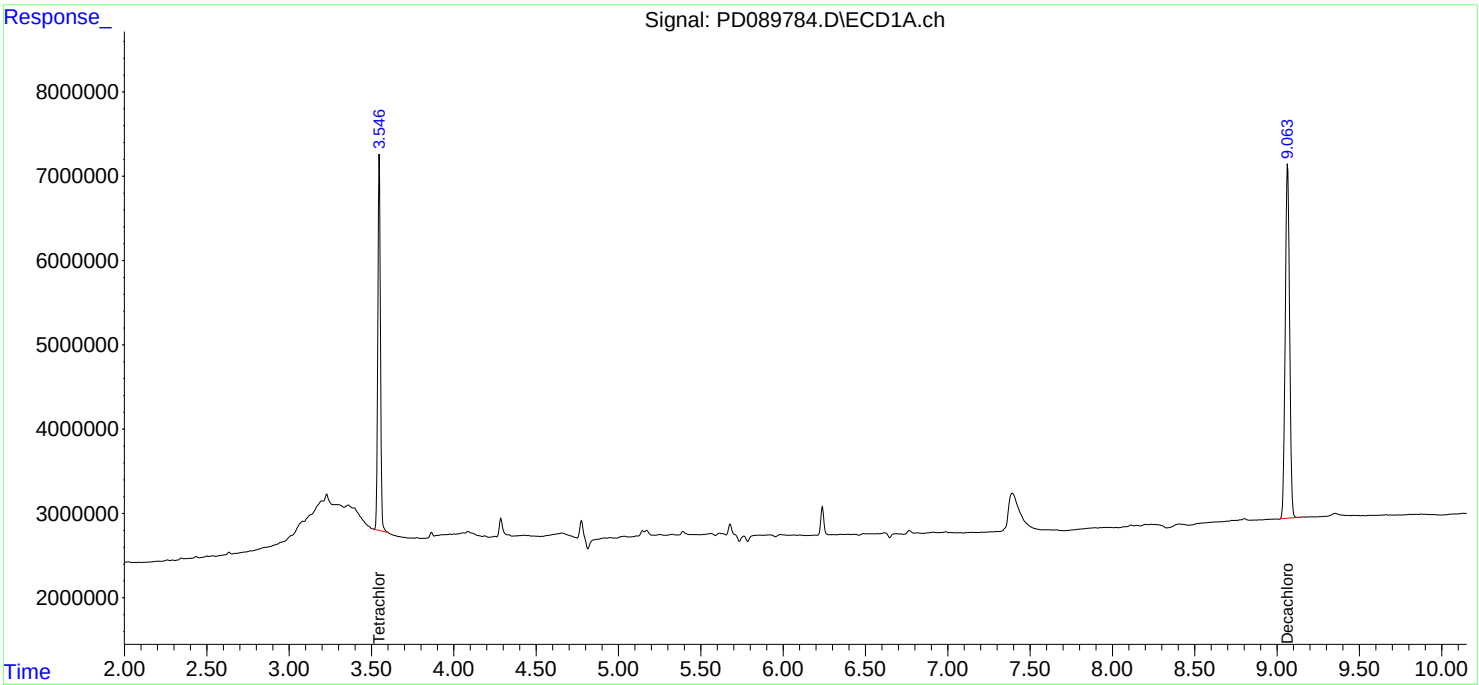
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

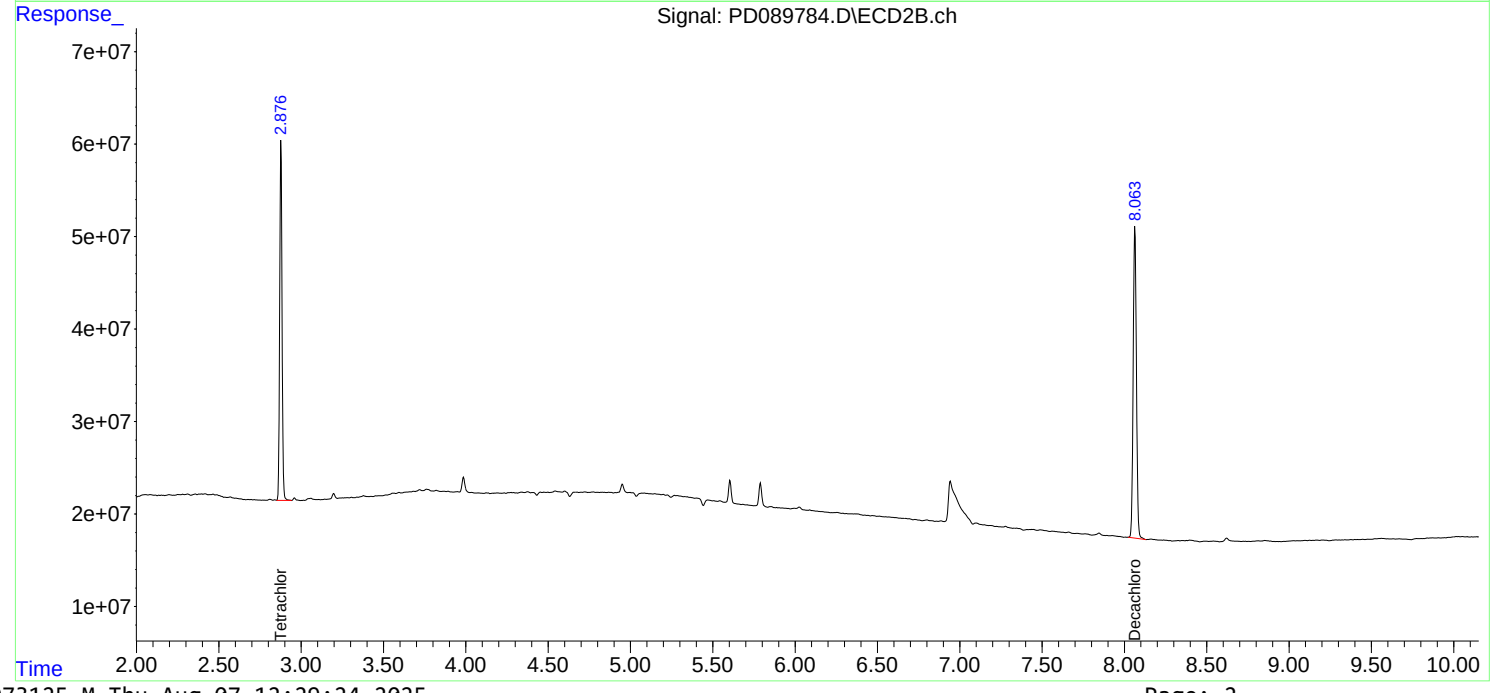
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089784.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

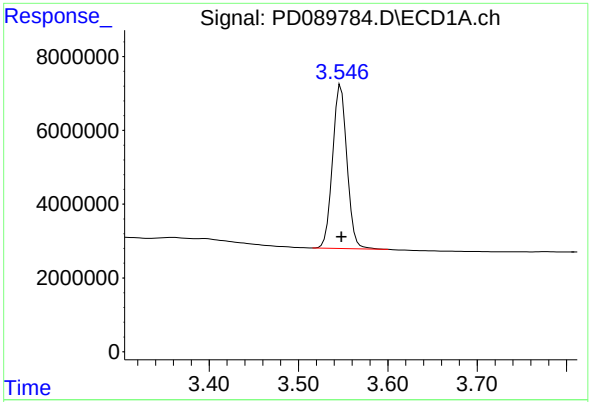
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



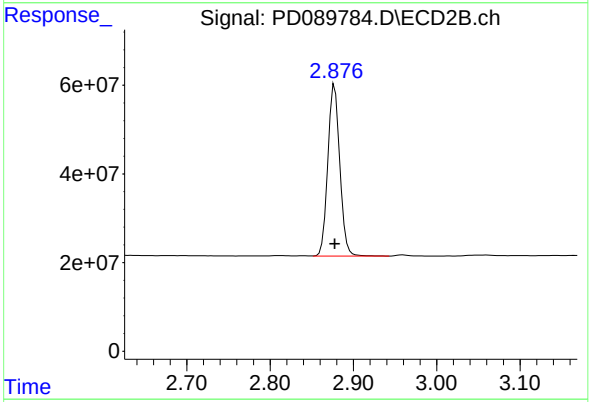




#1 Tetrachloro-m-xylene

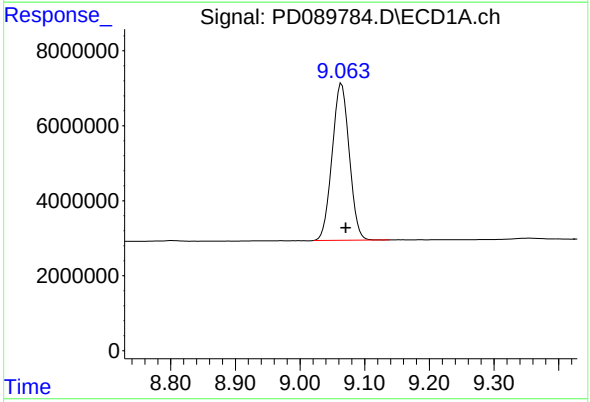
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 49612557
Conc: 20.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



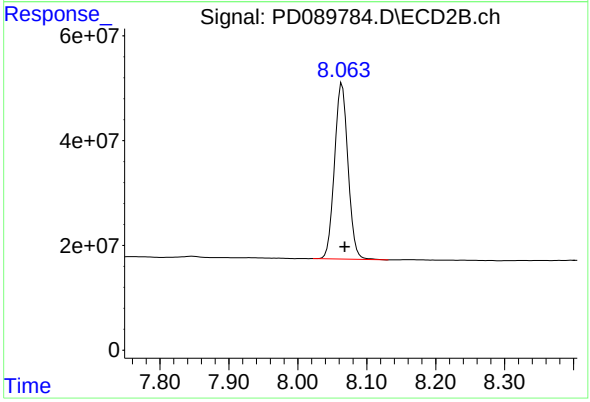
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 386839998
Conc: 24.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.006 min
Response: 77005172
Conc: 20.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 457076268
Conc: 22.77 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	08/07/25
Project:	Raymark Superfund Site	Date Received:	08/07/25
Client Sample ID:	PIBLK-PD089787.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089787.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089787.D	1		08/07/25	PD080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		30 - 135		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.7	*	44 - 124		128%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	08/07/25
Project:	Raymark Superfund Site	Date Received:	08/07/25
Client Sample ID:	PIBLK-PD089787.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089787.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089787.D	1		08/07/25	PD080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089787.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 09:41
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: Aug 07 23:13:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.877	51963822	406.5E6	21.067	25.664
28)	SA Decachlor...	9.066	8.064	79839041	480.1E6	21.484	23.911
	Target Compounds						

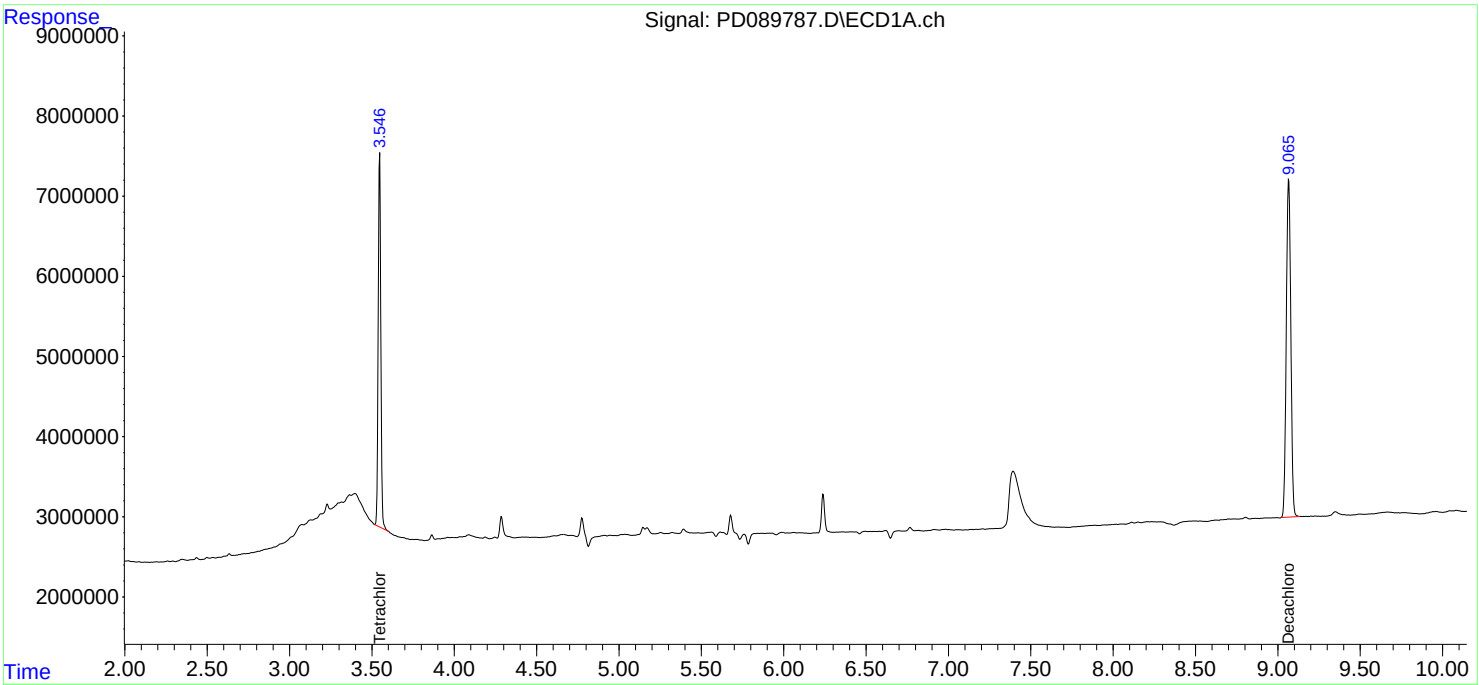
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

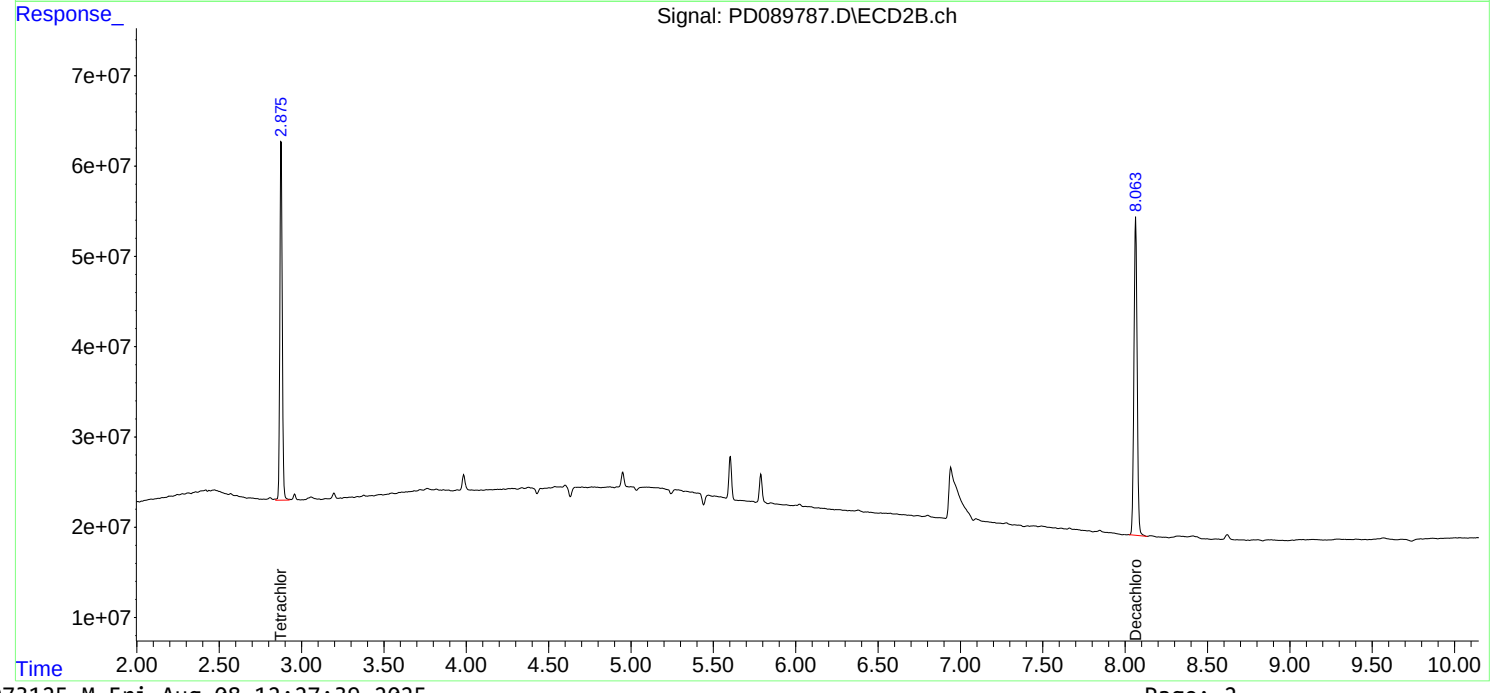
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089787.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 09:41
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

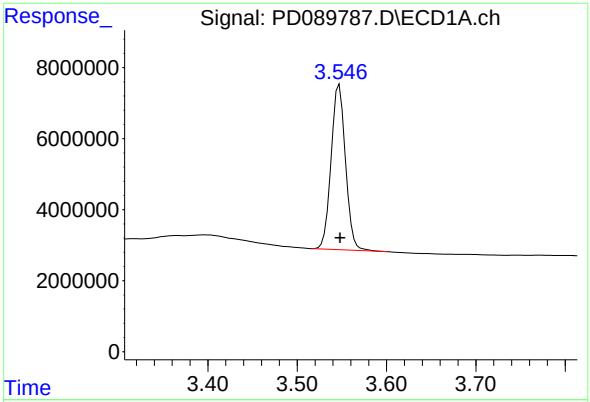
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:13:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



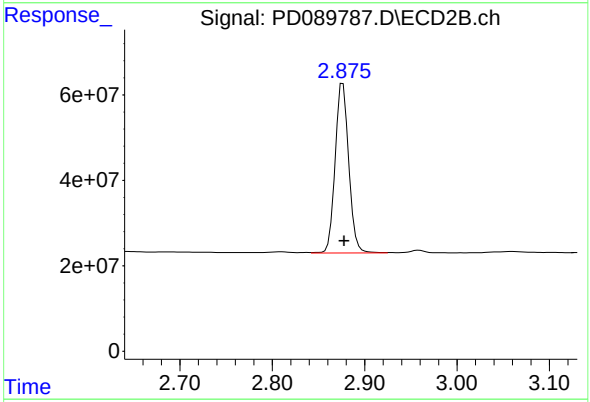




#1 Tetrachloro-m-xylene

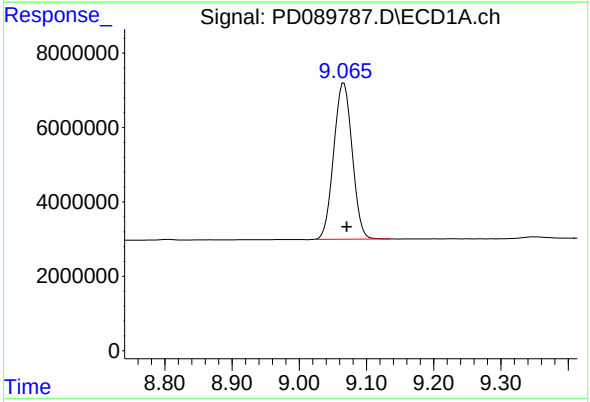
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 51963822
Conc: 21.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



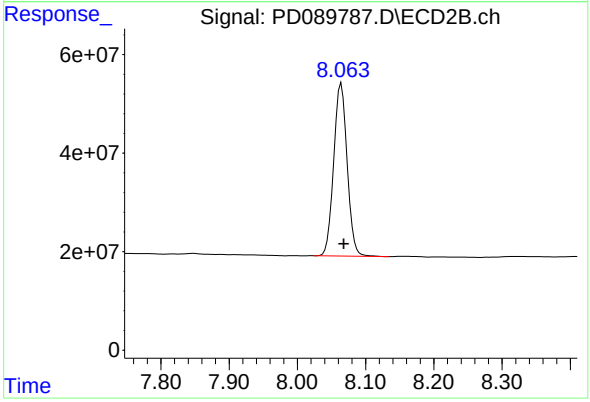
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 406460198
Conc: 25.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.004 min
Response: 79839041
Conc: 21.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 480080263
Conc: 23.91 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/07/25
Project:	Raymark Superfund Site	Date Received:	08/07/25
Client Sample ID:	PIBLK-PD089792.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089792.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089792.D	1		08/07/25	PD080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.3		30 - 135		122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.5	*	44 - 124		128%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	08/07/25
Project:	Raymark Superfund Site	Date Received:	08/07/25
Client Sample ID:	PIBLK-PD089792.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PD089792.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089792.D	1		08/07/25	PD080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089792.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:30
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: Aug 07 23:14:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.877	52243077	404.5E6	21.180	25.539
28)	SA Decachlor...	9.065	8.065	81107120	488.6E6	21.825	24.333
	Target Compounds						

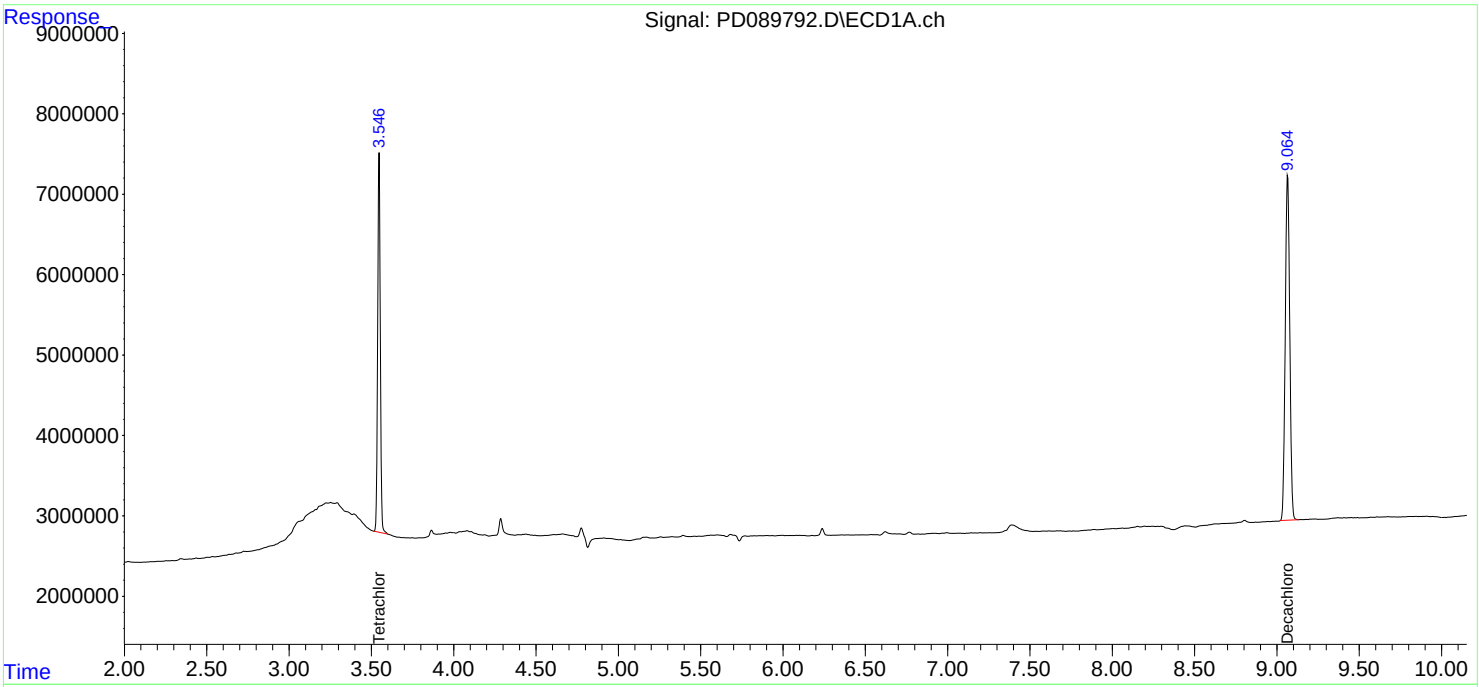
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

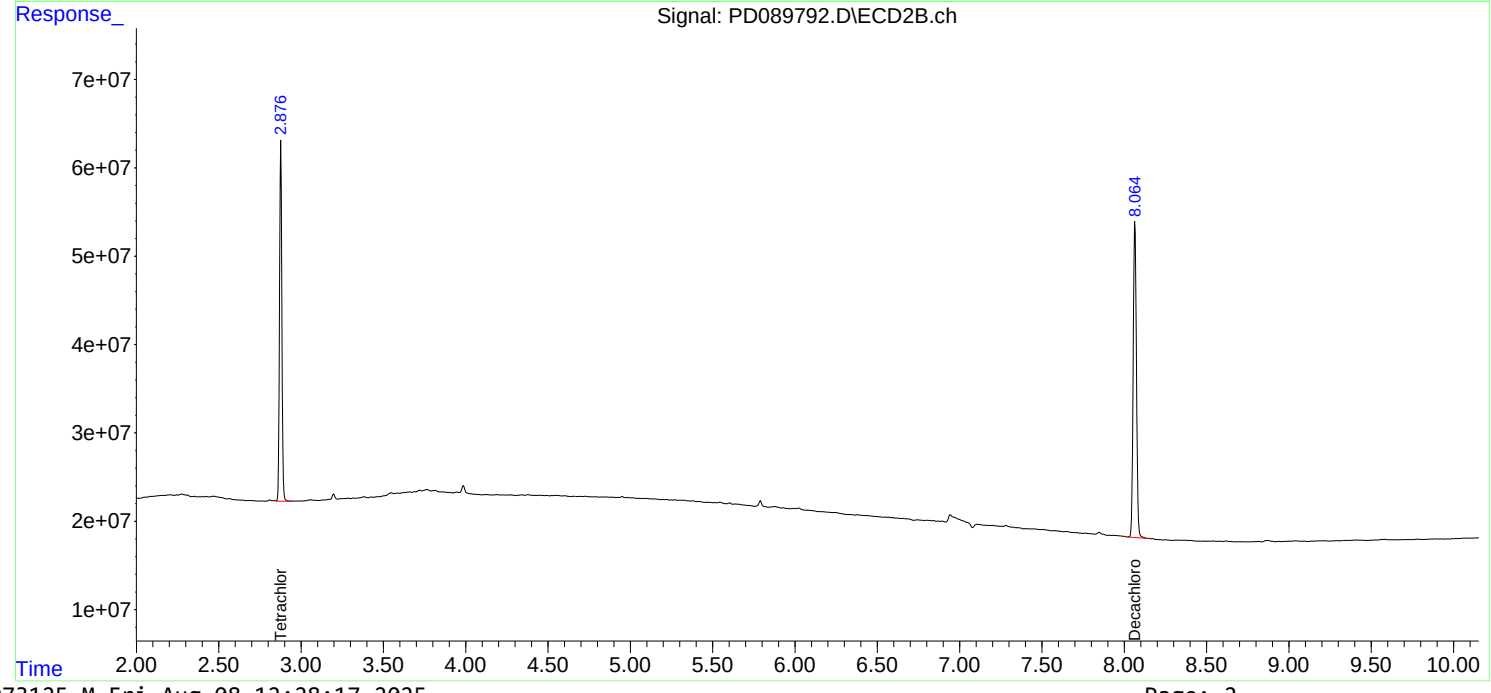
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089792.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:30
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

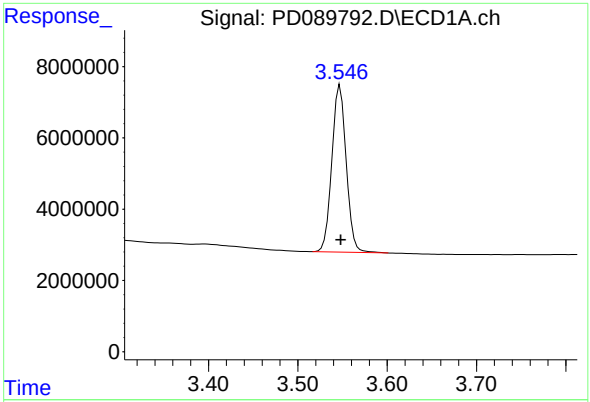
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



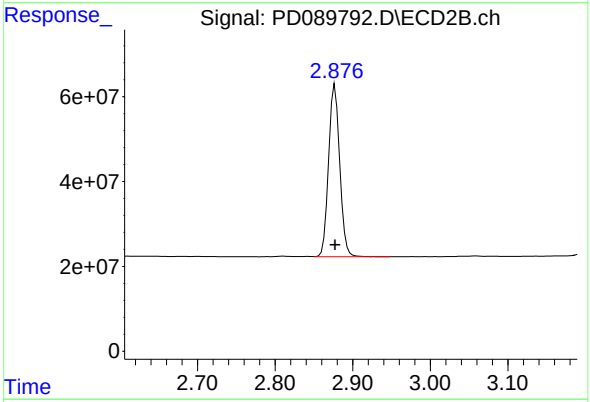




#1 Tetrachloro-m-xylene

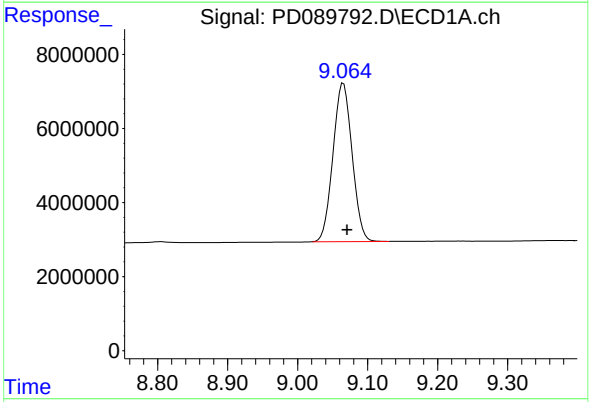
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 52243077
Conc: 21.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



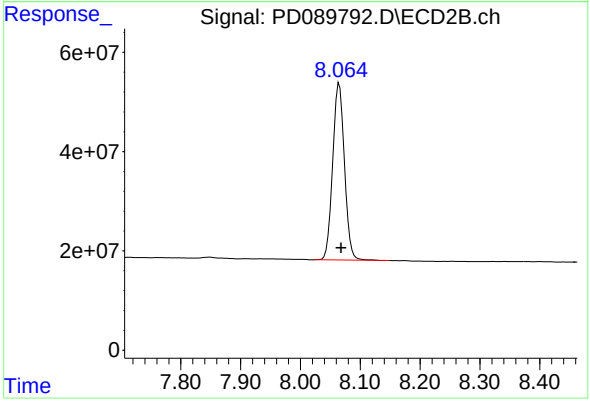
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 404484443
Conc: 25.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.005 min
Response: 81107120
Conc: 21.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 488562899
Conc: 24.33 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/28/25
Project:	Raymark Superfund Site	Date Received:	07/28/25
Client Sample ID:	PIBLK-PL096593.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PL096593.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096593.D	1		07/28/25	pl072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.2		30 - 135		96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		44 - 124		93%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/28/25
Project:	Raymark Superfund Site	Date Received:	07/28/25
Client Sample ID:	PIBLK-PL096593.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PL096593.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096593.D	1		07/28/25	pl072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:56:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	59301554	87523738	18.644	18.319
28)	SA Decachlor...	9.016	7.993	45808507	82684633	19.210	19.059
	Target Compounds						

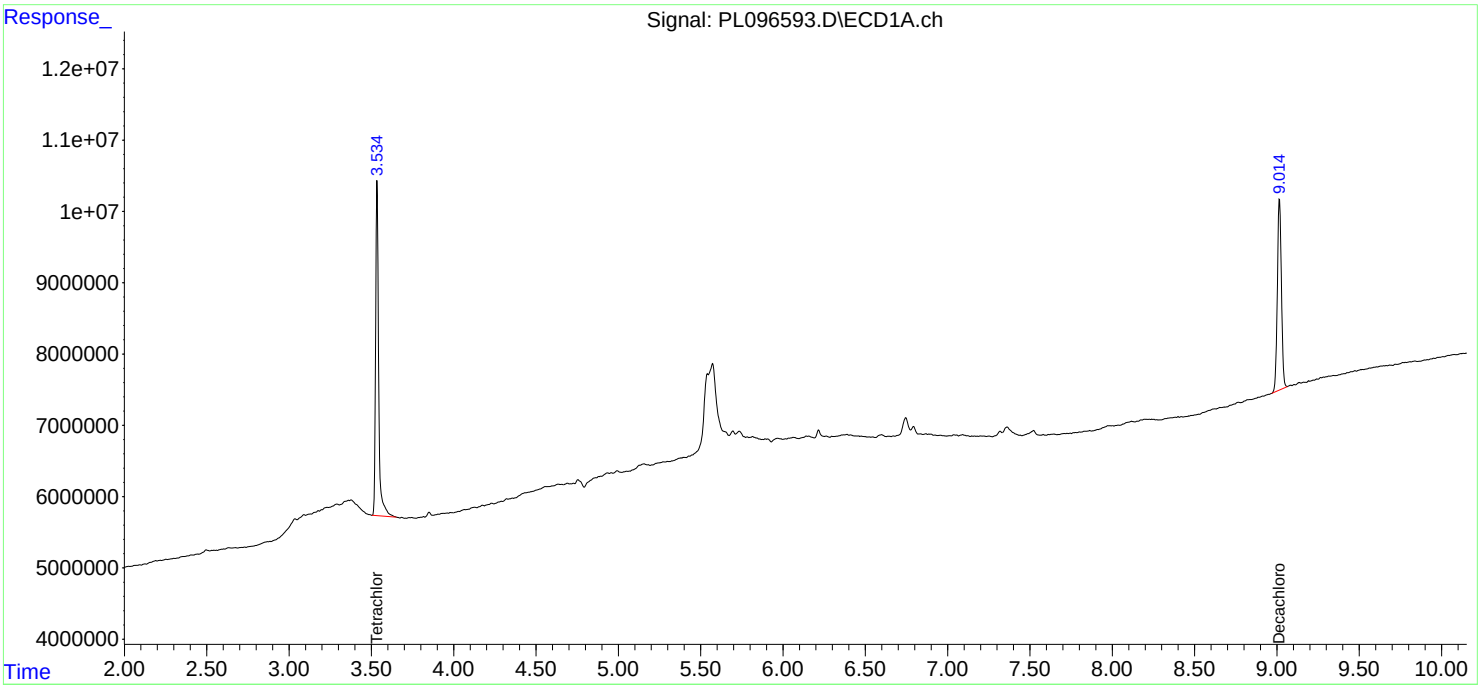
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

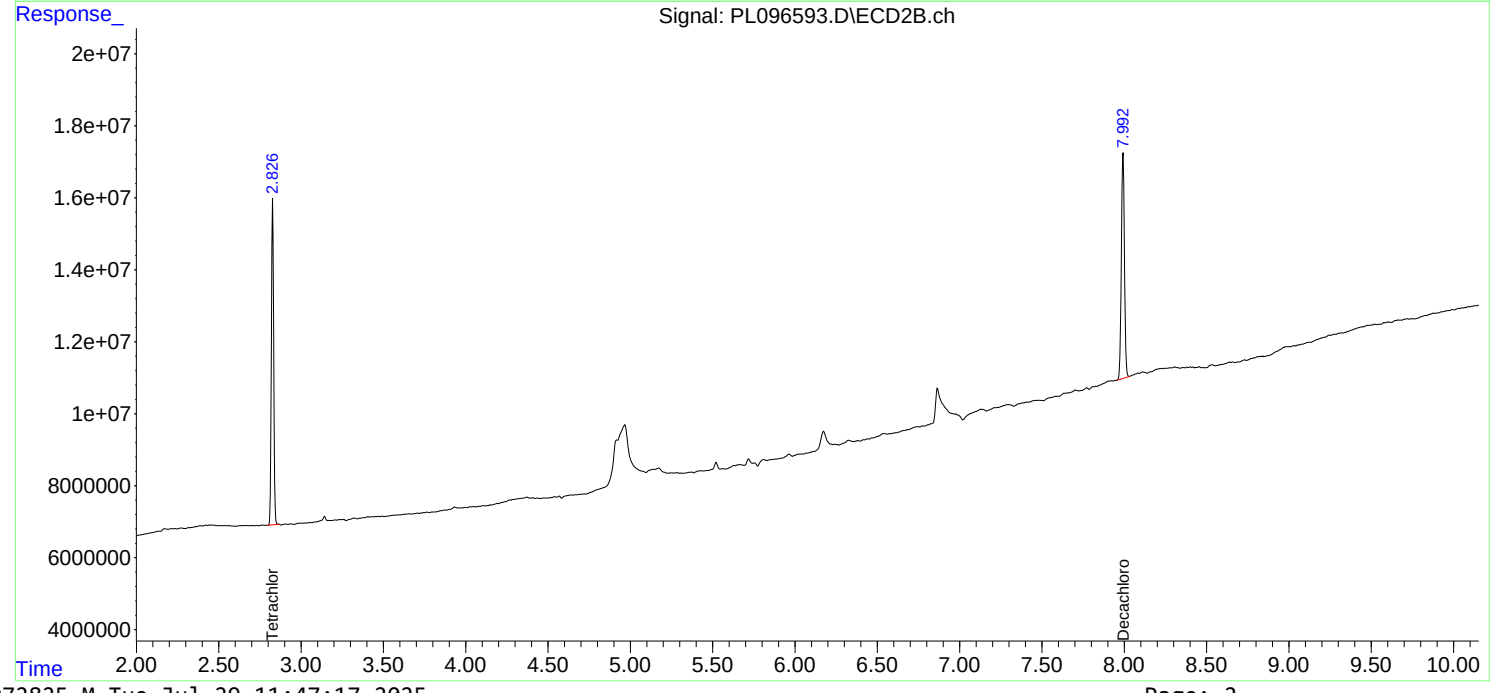
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

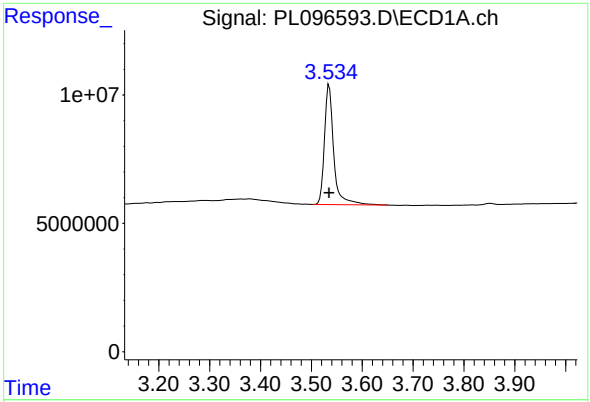
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:56:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



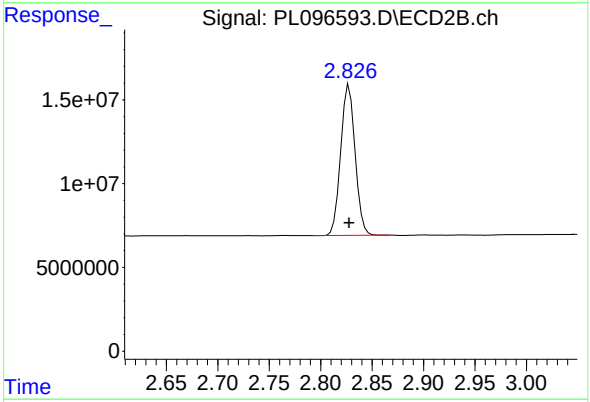




#1 Tetrachloro-m-xylene

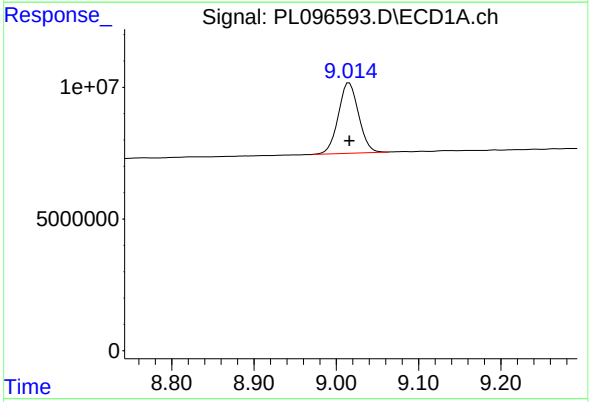
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 59301554
Conc: 18.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



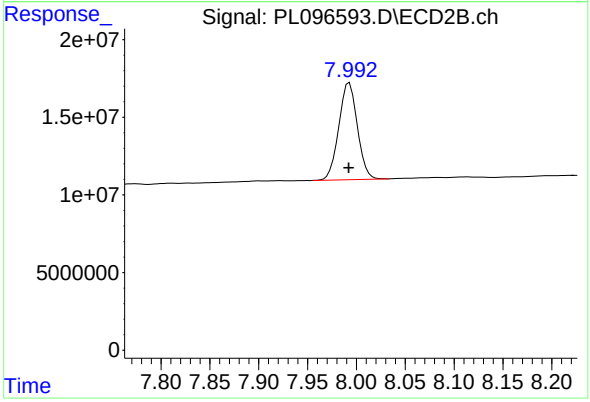
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 87523738
Conc: 18.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 45808507
Conc: 19.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 82684633
Conc: 19.06 ng/ml

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/04/25
Project:	Raymark Superfund Site	Date Received:	08/04/25
Client Sample ID:	PIBLK-PL096687.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PL096687.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096687.D	1		08/04/25	pl080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.6		30 - 135		123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.8		44 - 124		119%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	08/04/25
Project:	Raymark Superfund Site	Date Received:	08/04/25
Client Sample ID:	PIBLK-PL096687.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PL096687.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096687.D	1		08/04/25	pl080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 09:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.533	2.826	73499904	113.8E6	23.107	23.828
28)	SA Decachlor...	9.013	7.989	58607841	105.4E6	24.577	24.284
	Target Compounds						

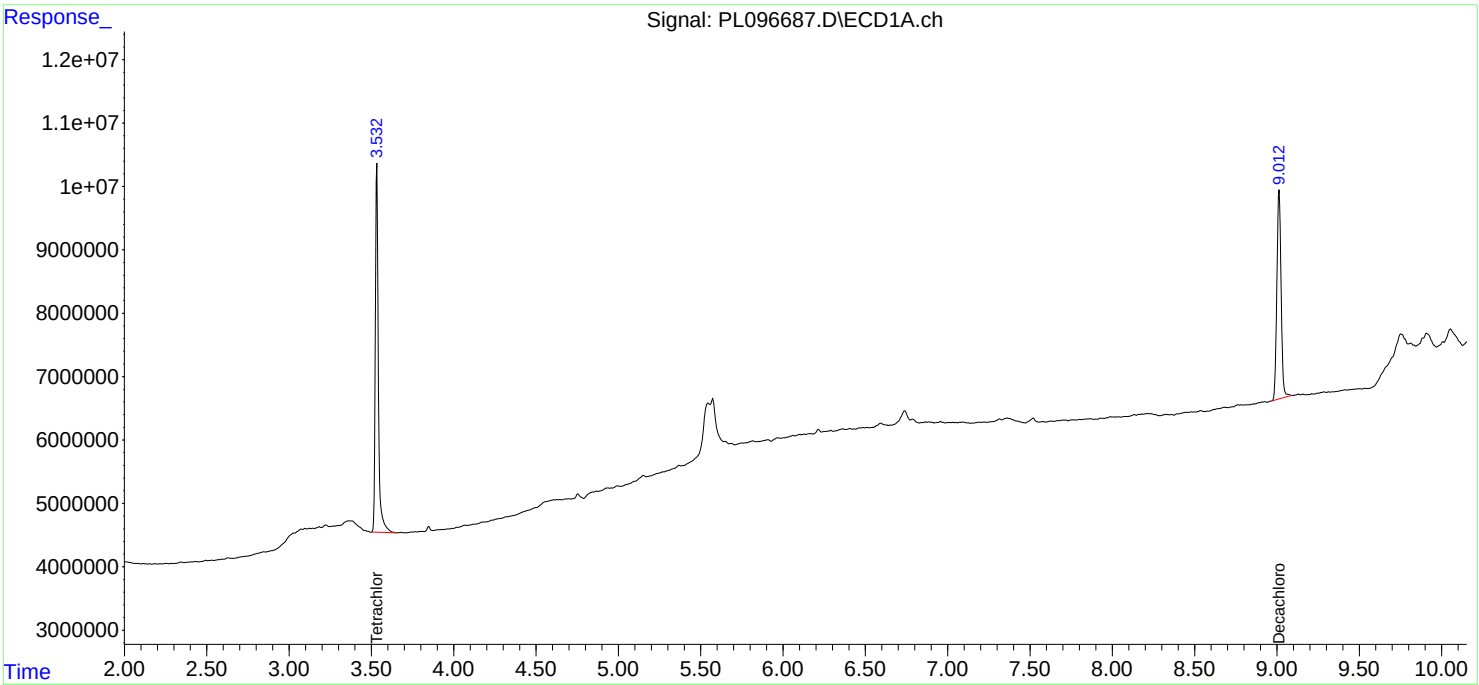
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

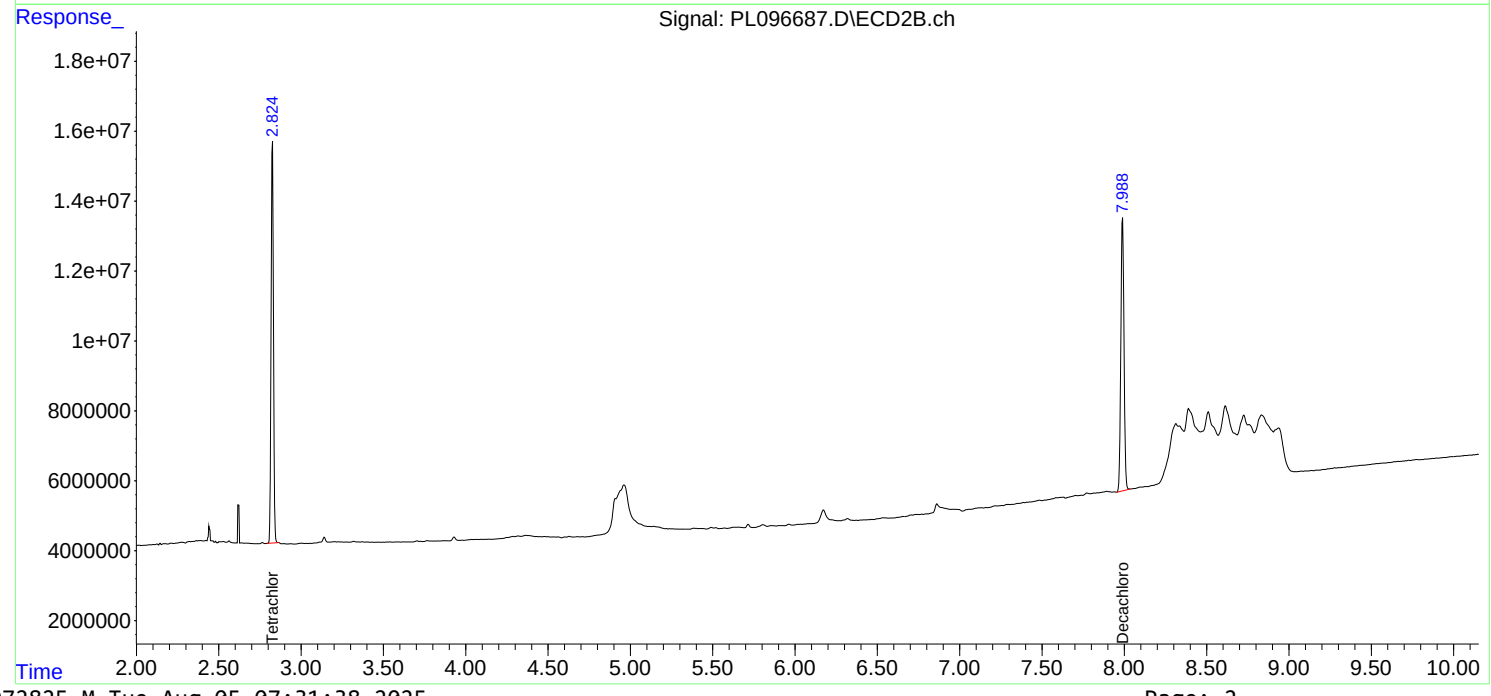
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 09:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

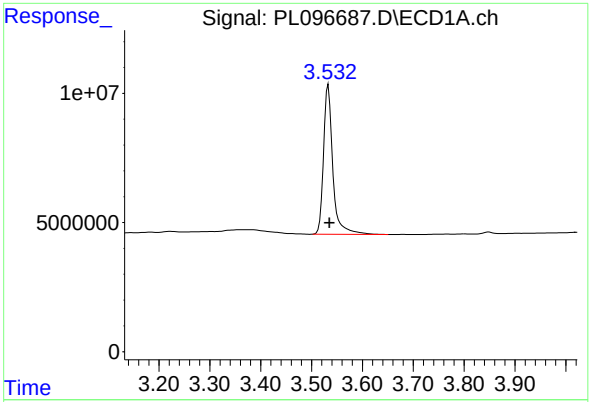
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



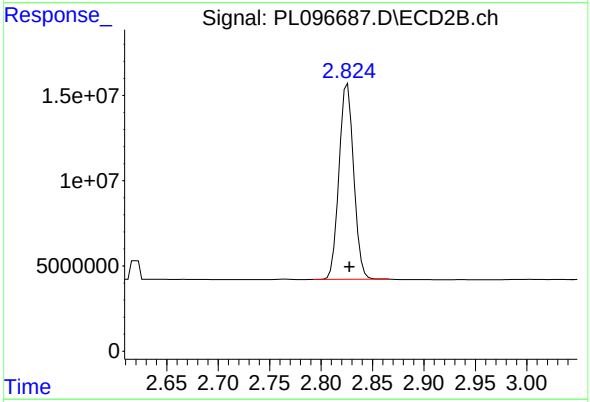




#1 Tetrachloro-m-xylene

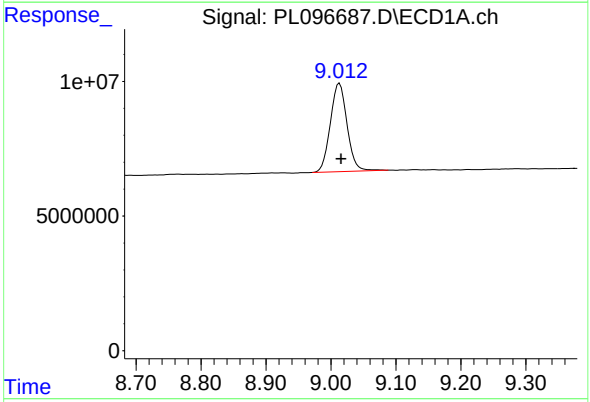
R.T.: 3.533 min
Delta R.T.: -0.002 min
Response: 73499904
Conc: 23.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



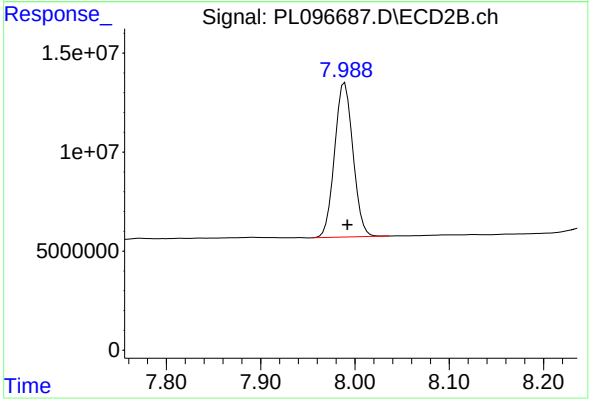
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 113843385
Conc: 23.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.013 min
Delta R.T.: -0.003 min
Response: 58607841
Conc: 24.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.989 min
Delta R.T.: -0.003 min
Response: 105353059
Conc: 24.28 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	08/04/25
Project:	Raymark Superfund Site	Date Received:	08/04/25
Client Sample ID:	PIBLK-PL096698.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PL096698.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096698.D	1		08/04/25	pl080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.0		30 - 135		115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		44 - 124		112%	SPK: 20

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	08/04/25
Project:	Raymark Superfund Site	Date Received:	08/04/25
Client Sample ID:	PIBLK-PL096698.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PL096698.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096698.D	1		08/04/25	pl080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096698.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.533	2.827	69383737	106.7E6	21.813	22.342
28)	SA Decachlor...	9.011	7.990	54838565	87099084	22.996	20.077
	Target Compounds						

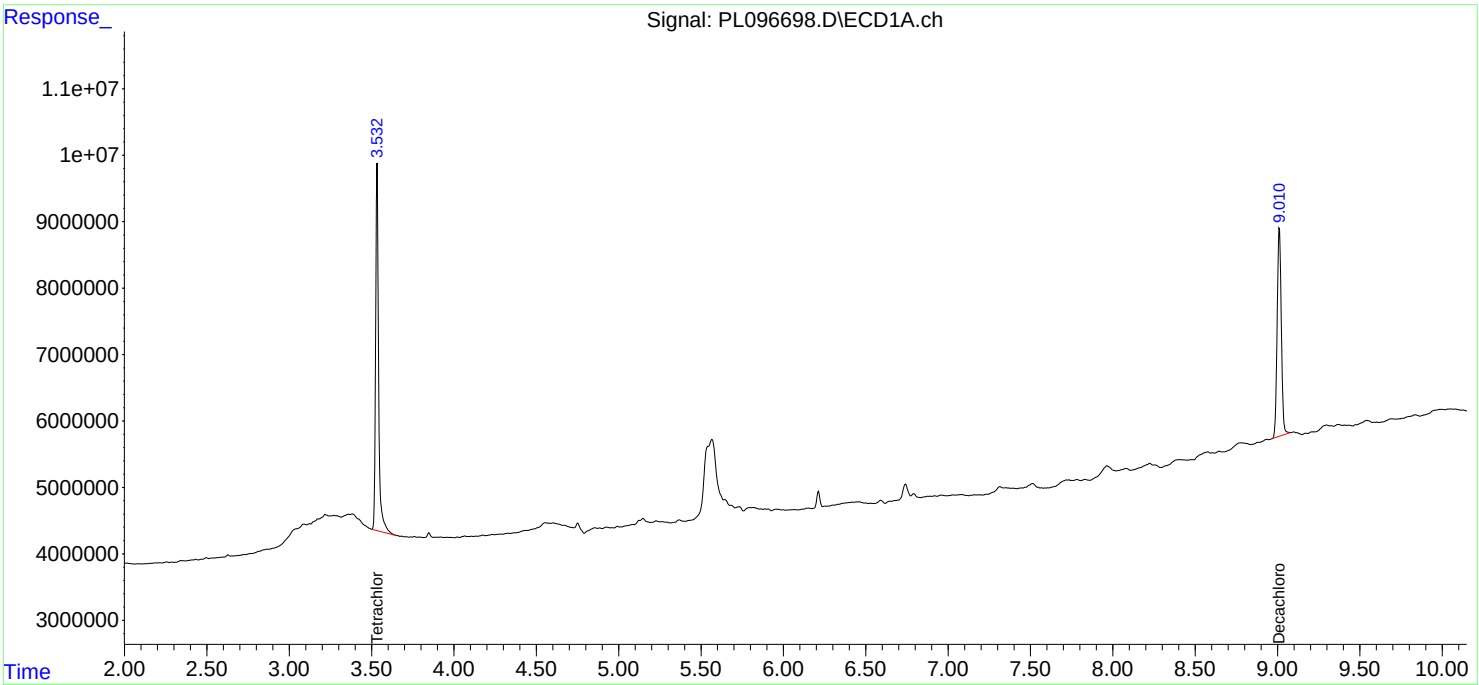
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

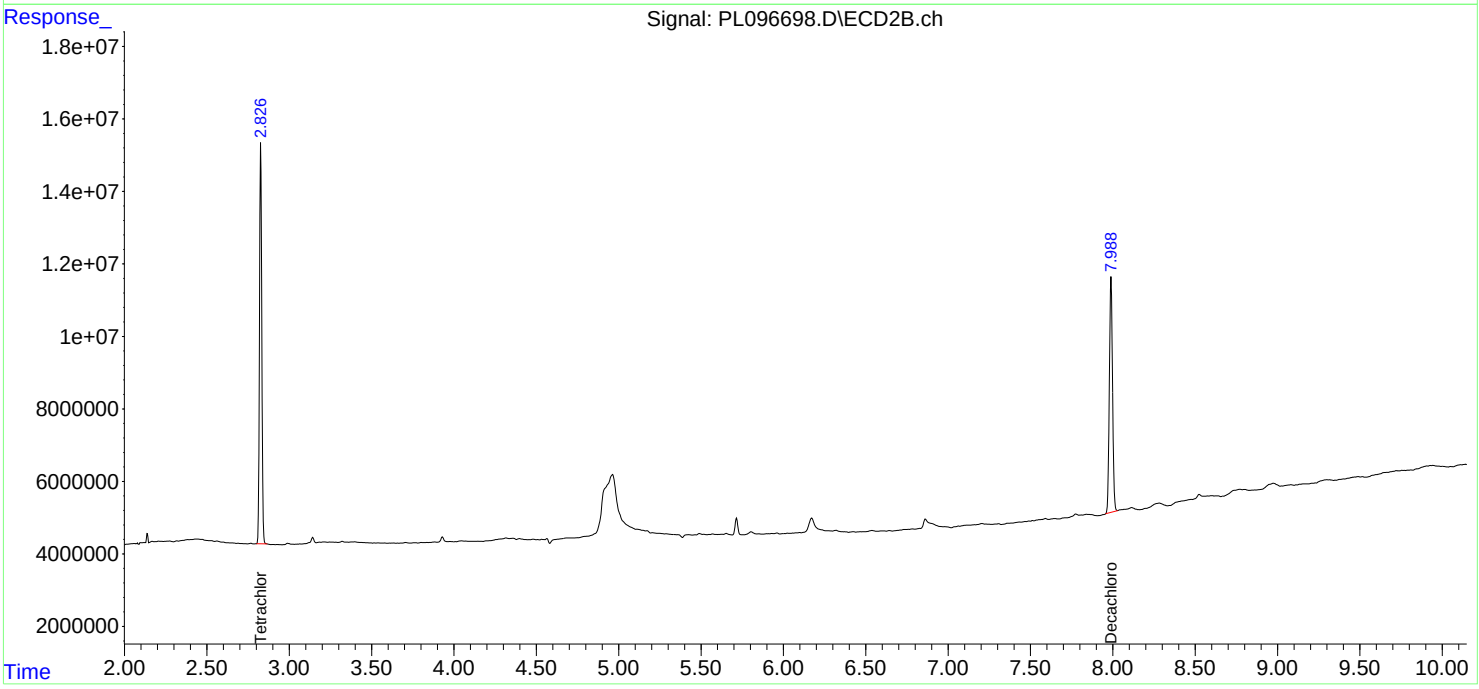
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096698.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

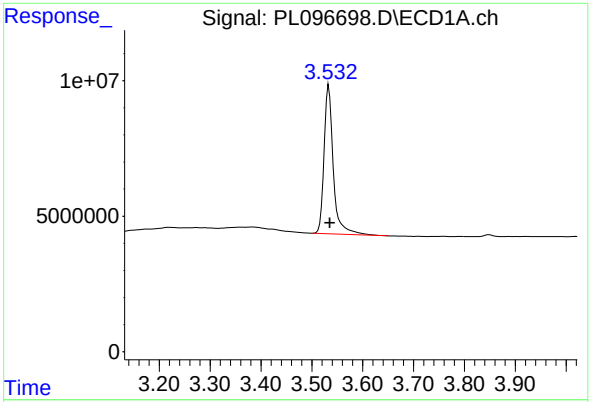
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



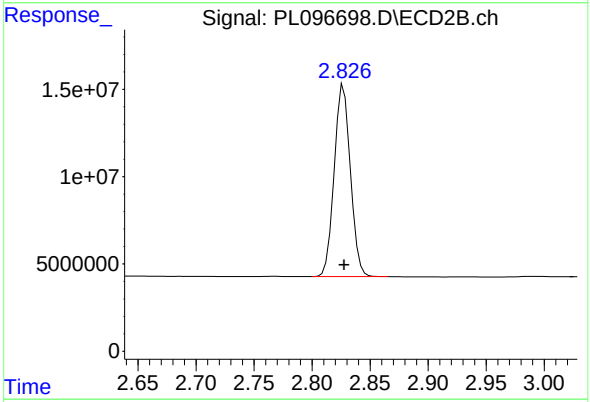




#1 Tetrachloro-m-xylene

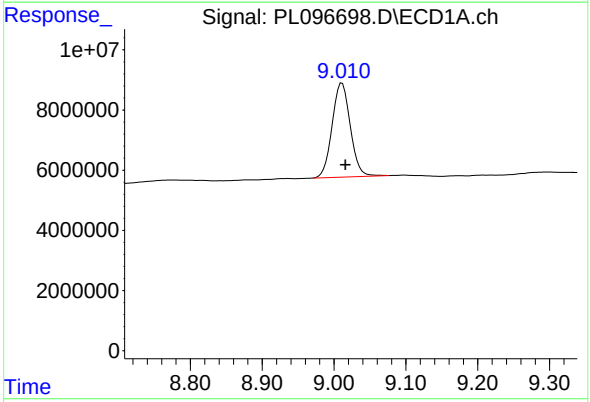
R.T.: 3.533 min
Delta R.T.: -0.002 min
Response: 69383737
Conc: 21.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



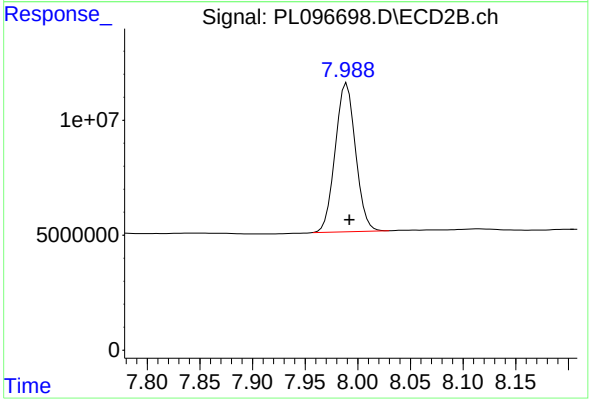
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 106746714
Conc: 22.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.011 min
Delta R.T.: -0.005 min
Response: 54838565
Conc: 23.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 87099084
Conc: 20.08 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB169093BS	SDG No.:	Q2747
Lab Sample ID:	PB169093BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096691.D	1	08/04/25 08:55	08/04/25 12:52	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018		0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.017		0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.018		0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018		0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.017		0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.018		0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.017		0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.017		0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.017		0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.018		0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.015		0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.017		0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.018		0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.015		0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.014		0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.019		0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.020		0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.017		0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.018		0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.7		55 - 130		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		42 - 129		104%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB169093BS	SDG No.:	Q2747
Lab Sample ID:	PB169093BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096691.D	1	08/04/25 08:55	08/04/25 12:52	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 12:52
Operator : AR\AJ
Sample : PB169093BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169093BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.533	2.824	64885131	99607735	20.399	20.848
28)	SA Decachlor...	9.017	7.990	52303080	98525020	21.933	22.710
	Target Compounds						
2)	A alpha-BHC	3.981	3.330	245.1E6	376.8E6	52.972	53.247
3)	MA gamma-BHC...	4.309	3.662	230.1E6	347.5E6	52.022	52.632
4)	MA Heptachlor	4.901	4.011	213.8E6	327.2E6	51.450	49.116
5)	MB Aldrin	5.241	4.294	221.6E6	326.6E6	51.528	52.619
6)	B beta-BHC	4.496	3.959	94325080	144.8E6	52.259	51.330
7)	B delta-BHC	4.740	4.192	212.6E6	339.8E6	53.280m	52.491
8)	B Heptachlo...	5.662	4.796	199.0E6	296.3E6	51.603	51.885
9)	A Endosulfan I	6.043	5.167	186.7E6	277.3E6	51.907	50.124
10)	B gamma-Chl...	5.915	5.048	200.6E6	311.4E6	52.723	52.958
11)	B alpha-Chl...	5.995	5.112	197.8E6	302.9E6	51.314	51.354
12)	B 4,4'-DDE	6.166	5.301	168.7E6	288.3E6	52.534	52.279
13)	MA Dieldrin	6.316	5.432	192.3E6	306.2E6	51.826	51.839
14)	MA Endrin	6.542	5.707	135.8E6	234.6E6	44.871	43.395
15)	B Endosulfa...	6.755	5.999	157.5E6	268.5E6	49.165	52.271
16)	A 4,4'-DDD	6.675	5.854	138.6E6	259.1E6	54.819	55.063
17)	MA 4,4'-DDT	6.990	6.107	125.7E6	226.4E6	43.824	44.764
18)	B Endrin al...	6.884	6.177	126.4E6	218.9E6	58.892	59.565
19)	B Endosulfa...	7.118	6.400	149.6E6	266.0E6	52.066	52.293
20)	A Methoxychlor	7.462	6.679	61330578	116.2E6	41.768	42.415
21)	B Endrin ke...	7.597	6.905	168.6E6	310.5E6	56.063	55.750
22)	Mirex	8.076	7.095	125.7E6	220.0E6	50.715	50.450

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

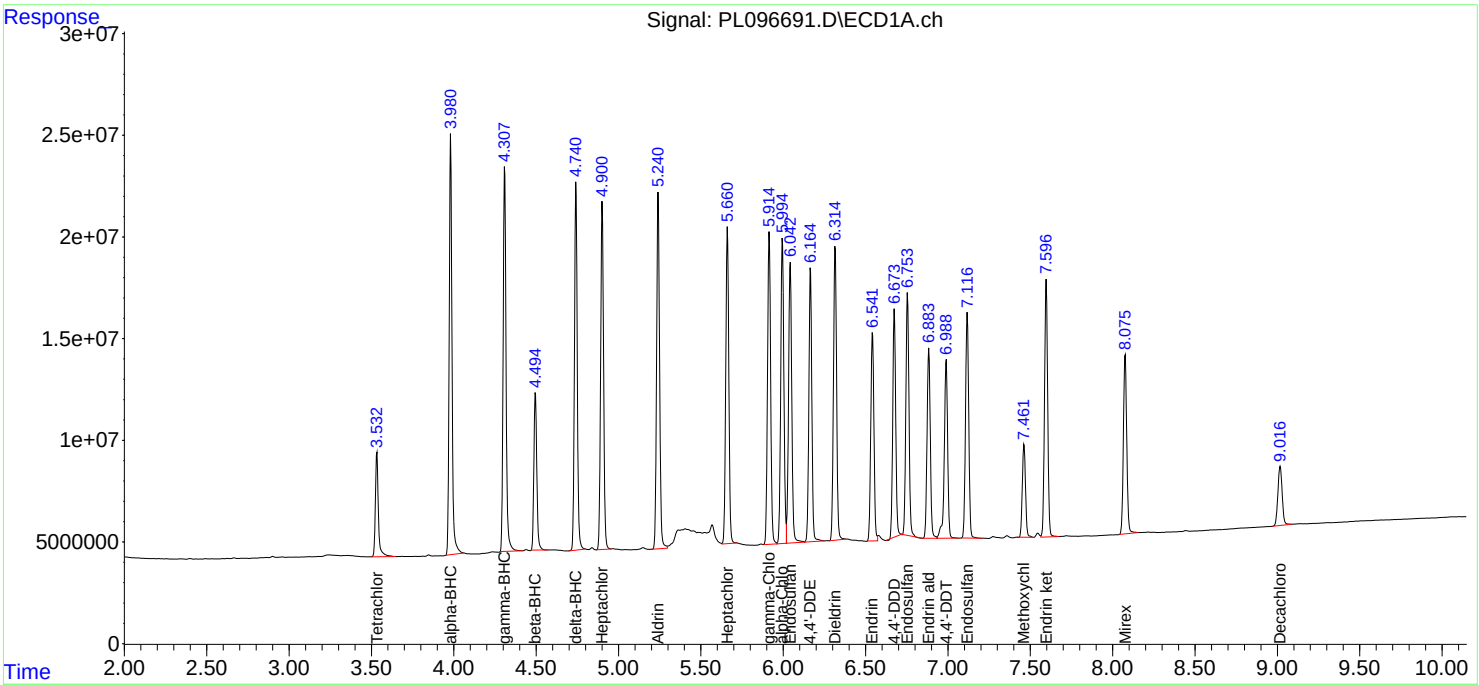
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 12:52
Operator : AR\AJ
Sample : PB169093BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

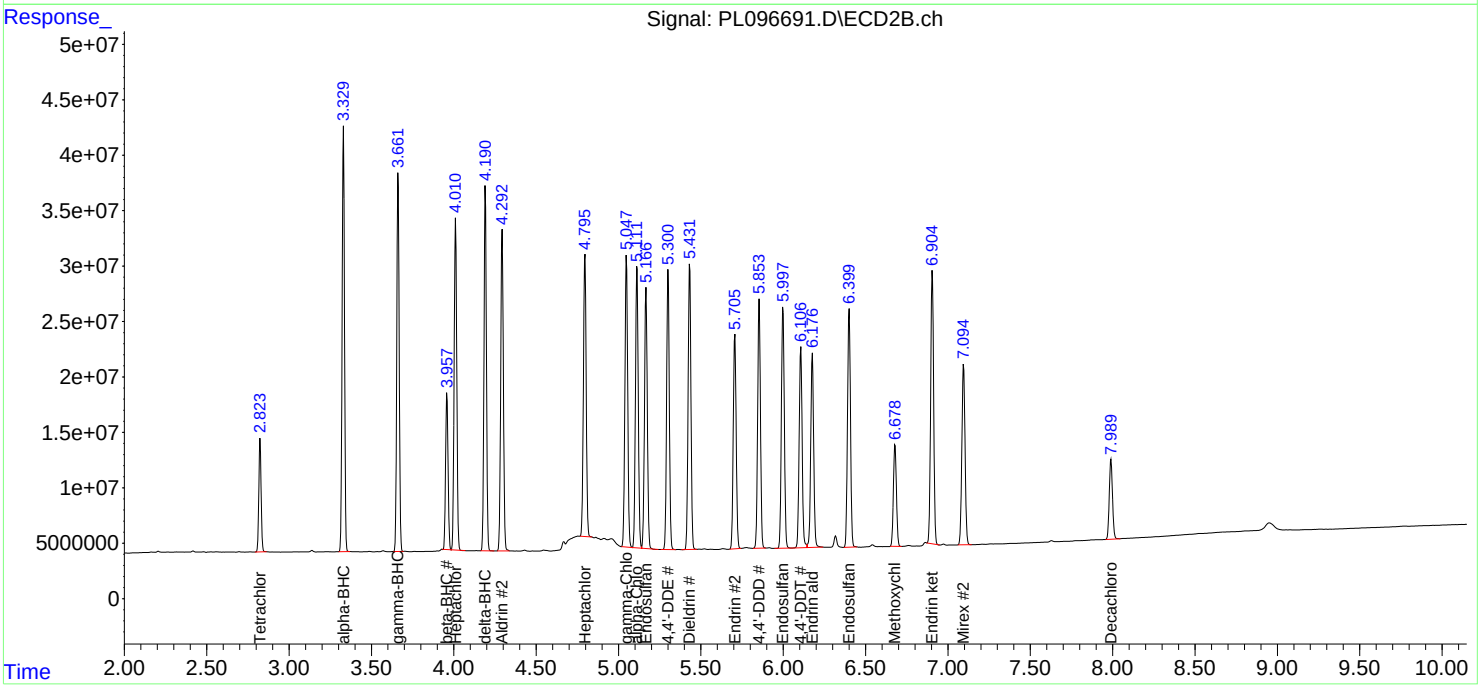
Instrument :
ECD_L
ClientSampleId :
PB169093BS

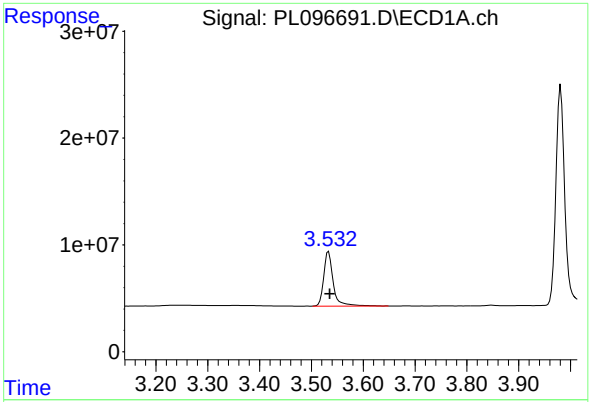
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







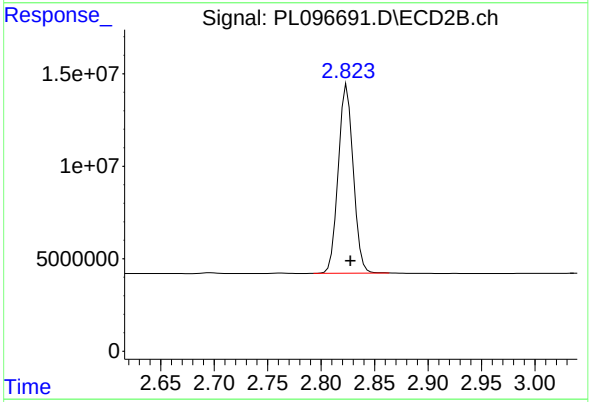
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.002 min
Response: 64885131
Conc: 20.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS

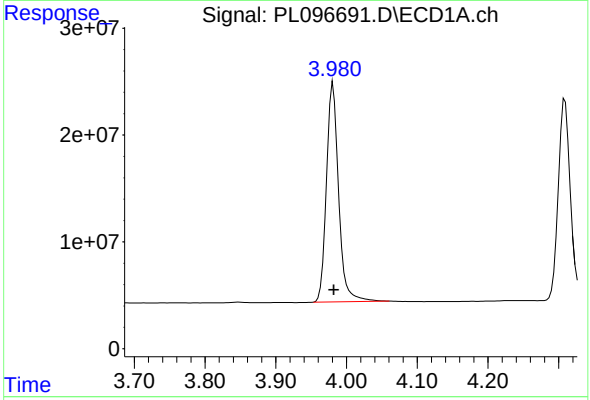
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



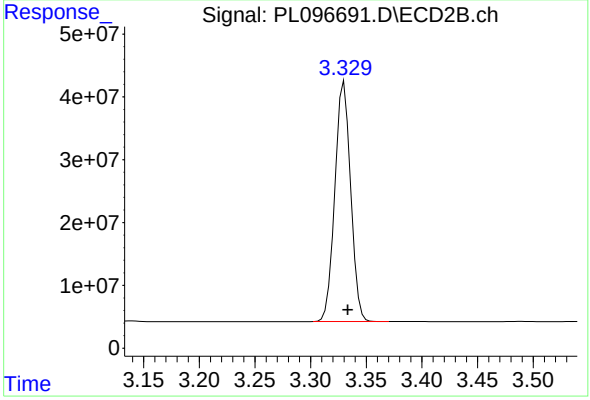
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.003 min
Response: 99607735
Conc: 20.85 ng/ml



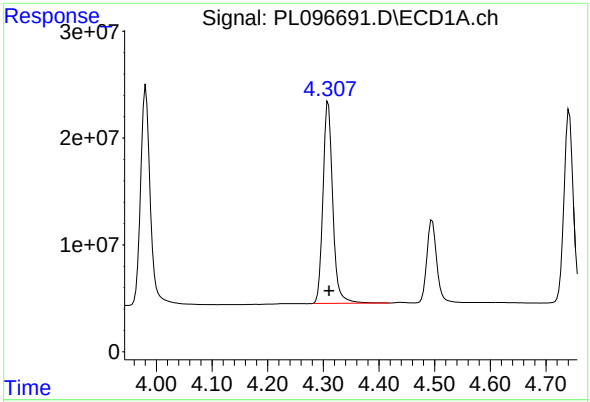
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 245066041
Conc: 52.97 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 376834361
Conc: 53.25 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 230114861
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS

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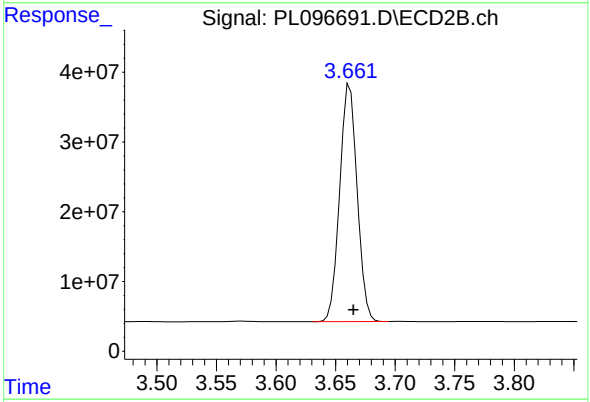
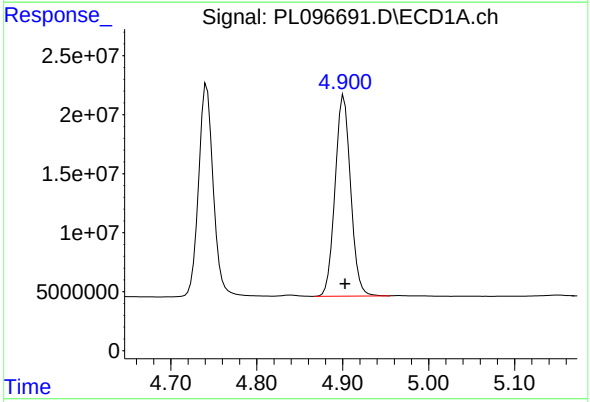
Supervised By :mohammad ahmed 08/05/2025



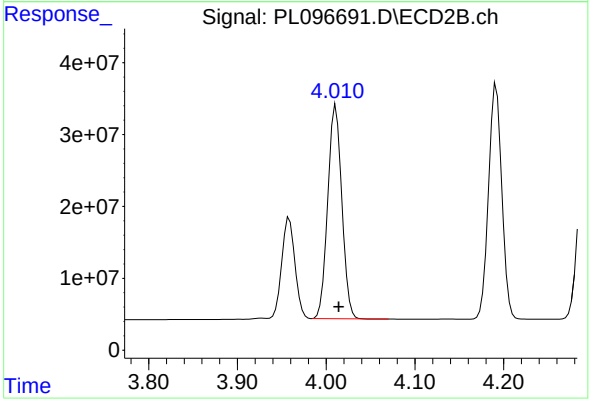
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 347546945
Conc: 52.63 ng/ml



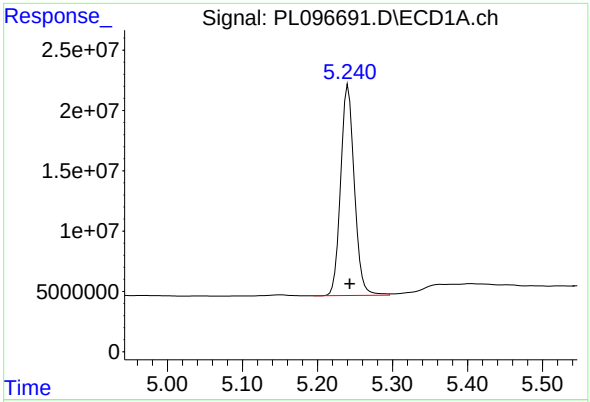
#4 Heptachlor

R.T.: 4.901 min
Delta R.T.: -0.001 min
Response: 213811042
Conc: 51.45 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 327206108
Conc: 49.12 ng/ml



#5 Aldrin

R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 221622281
Conc: 51.53 ng/ml

Instrument :
ECD_L
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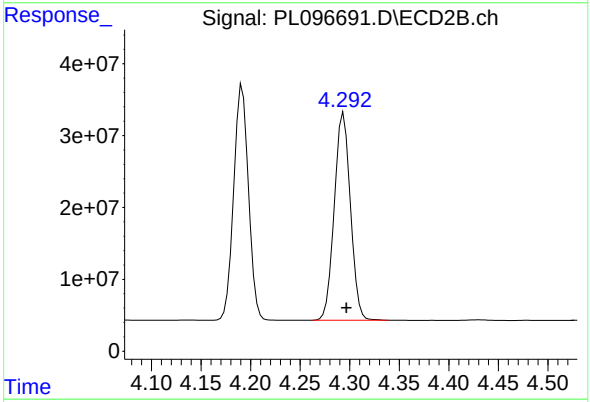
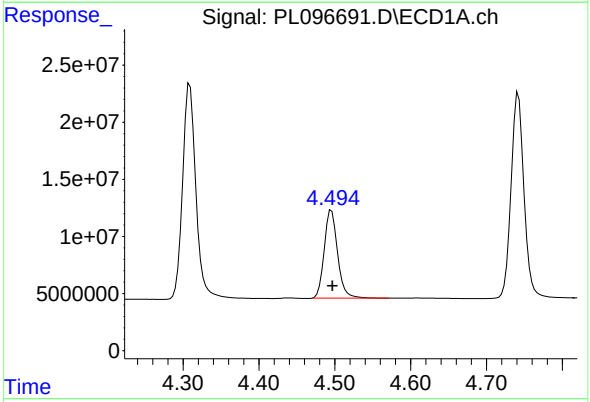


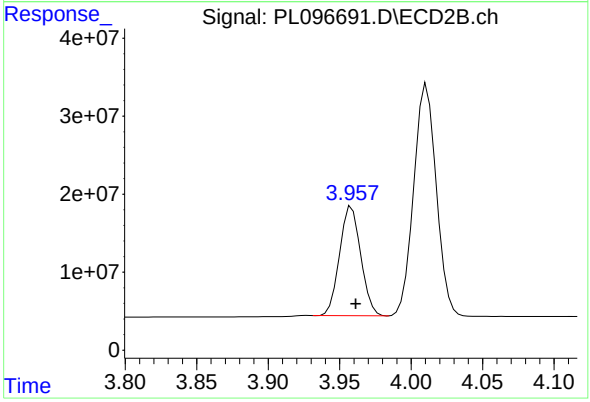
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 326610990
Conc: 52.62 ng/ml



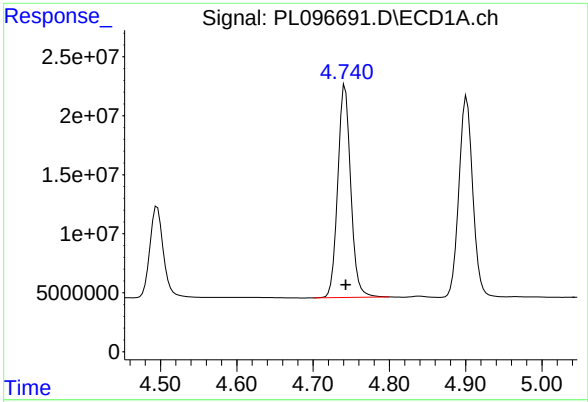
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 94325080
Conc: 52.26 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.003 min
Response: 144797486
Conc: 51.33 ng/ml



#7 delta-BHC

R.T.: 4.740 min
Delta R.T.: -0.002 min
Response: 212578166
Conc: 53.28 ng/ml

Instrument :
ECD_L
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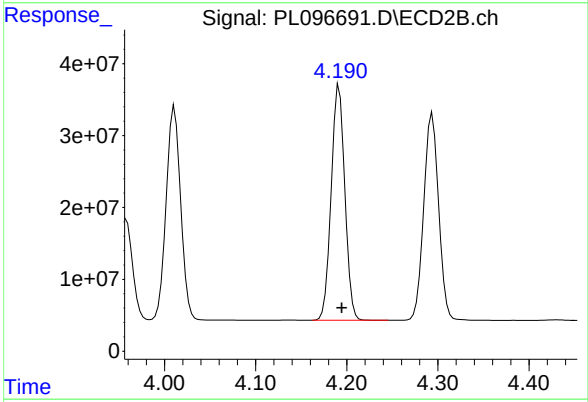
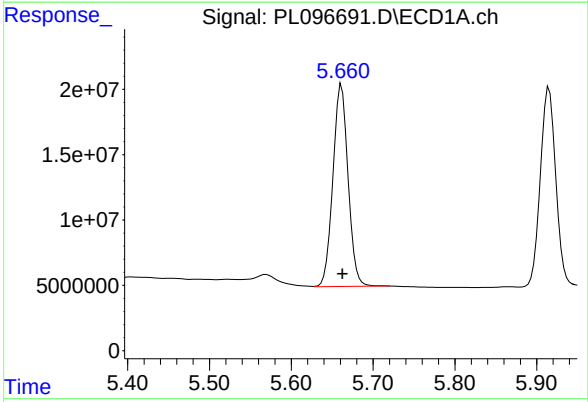


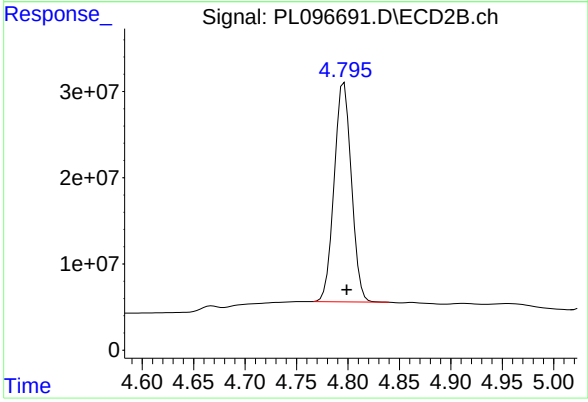
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 339807233
Conc: 52.49 ng/ml



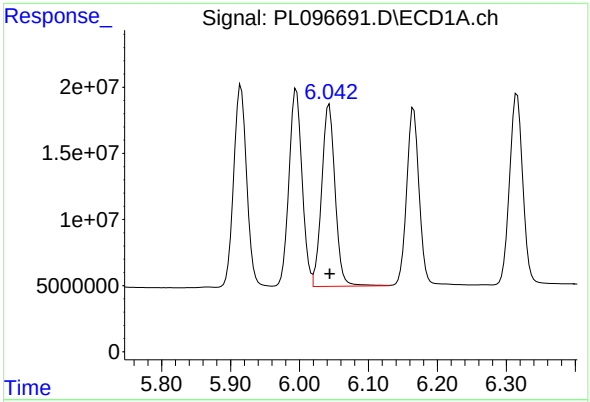
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 199008197
Conc: 51.60 ng/ml



#8 Heptachlor epoxide

R.T.: 4.796 min
Delta R.T.: -0.003 min
Response: 296330714
Conc: 51.88 ng/ml



#9 Endosulfan I

R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 186677850
Conc: 51.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
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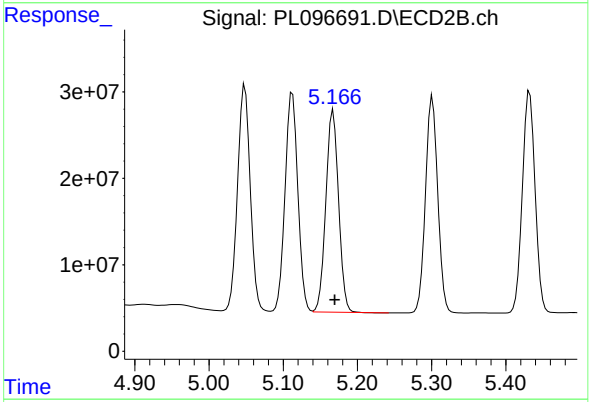
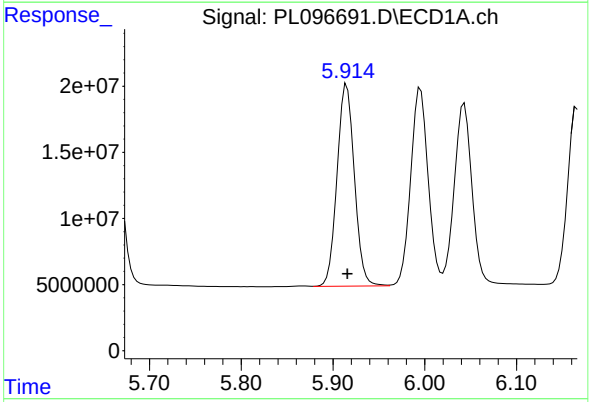


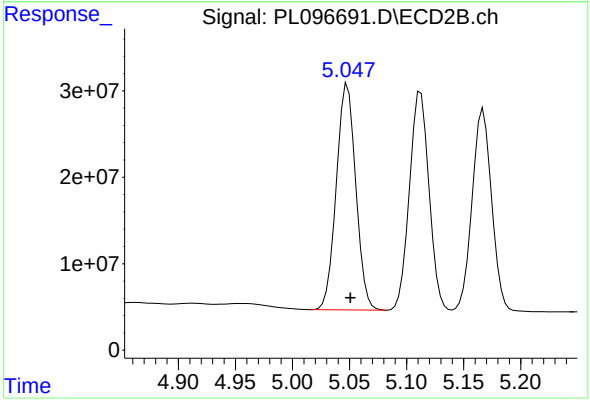
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 277256805
Conc: 50.12 ng/ml



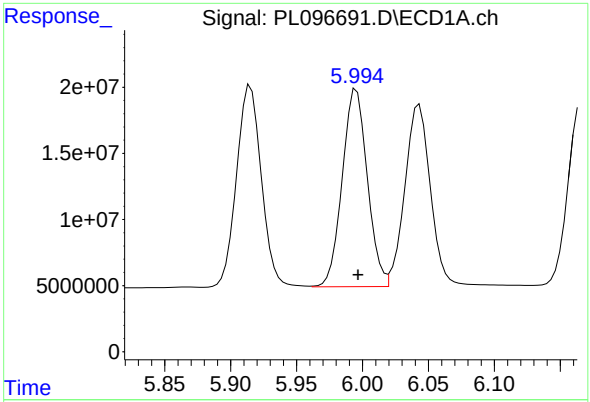
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 200622830
Conc: 52.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 311396456
Conc: 52.96 ng/ml



#11 alpha-Chlordane

R.T.: 5.995 min
Delta R.T.: -0.001 min
Response: 197798054
Conc: 51.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS

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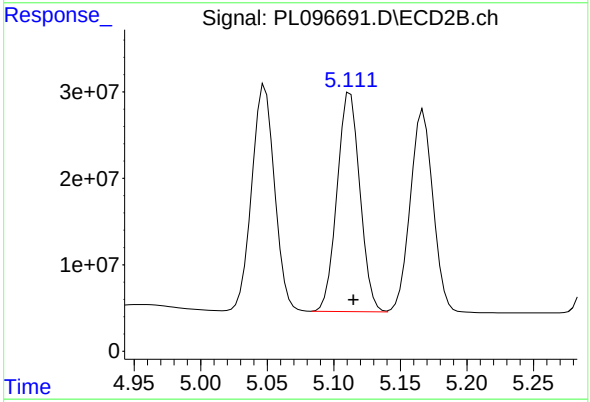
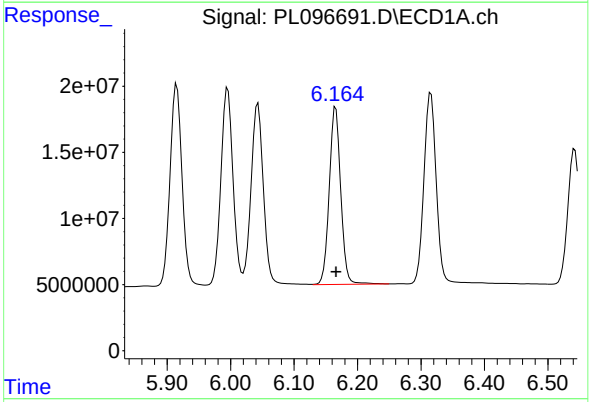


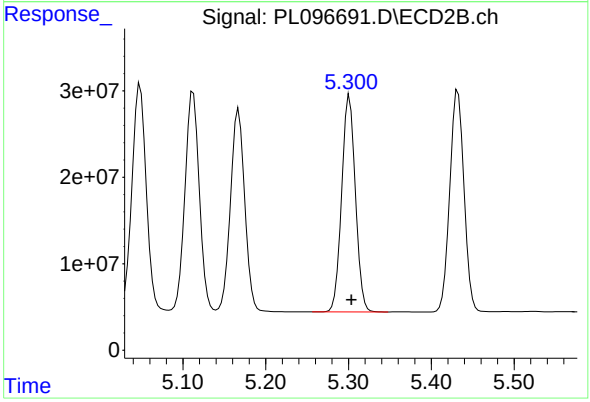
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.002 min
Response: 302934904
Conc: 51.35 ng/ml



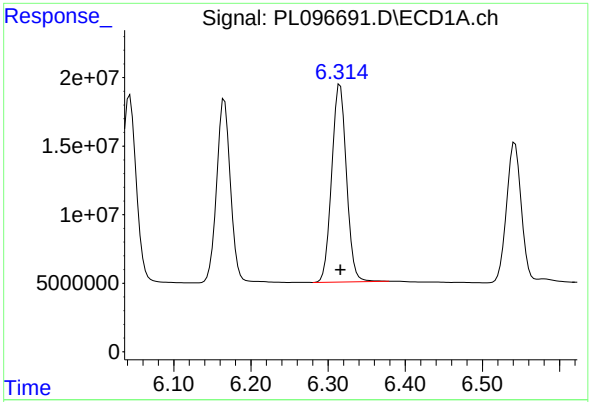
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 168698858
Conc: 52.53 ng/ml



#12 4,4'-DDE

R.T.: 5.301 min
Delta R.T.: -0.002 min
Response: 288286024
Conc: 52.28 ng/ml



#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 192334901
Conc: 51.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS

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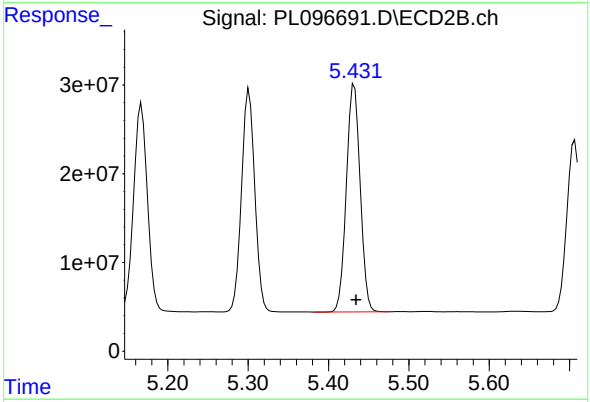
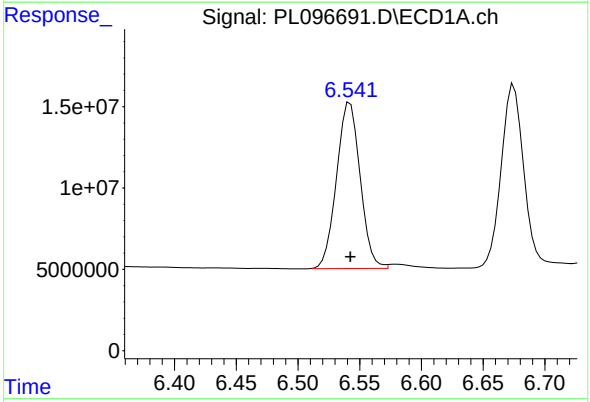


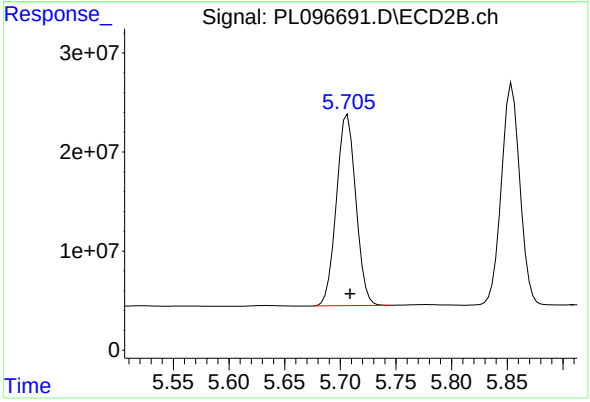
#13 Dieldrin

R.T.: 5.432 min
Delta R.T.: -0.002 min
Response: 306188583
Conc: 51.84 ng/ml



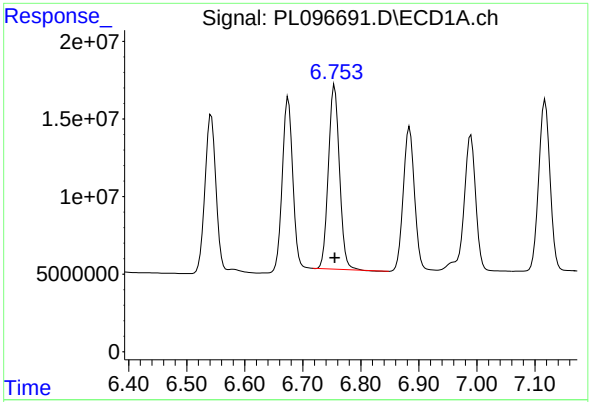
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 135815137
Conc: 44.87 ng/ml



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 234591326
Conc: 43.39 ng/ml



#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 157459243
Conc: 49.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
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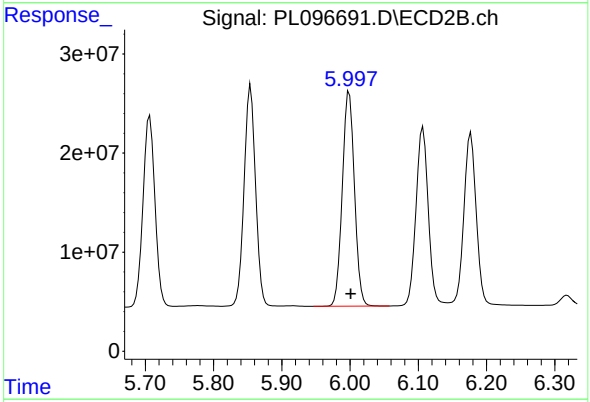
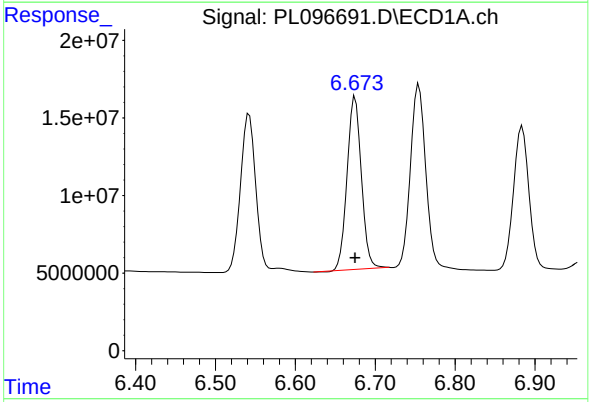


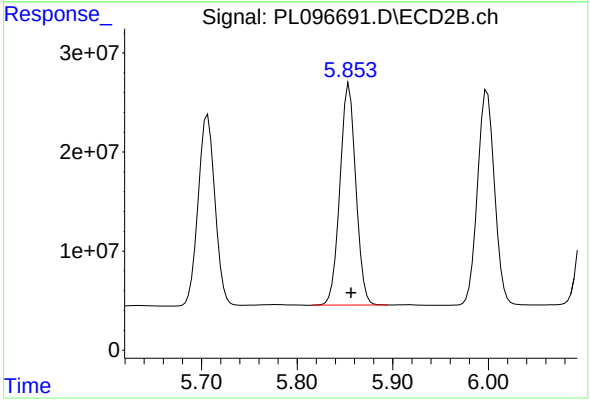
#15 Endosulfan II

R.T.: 5.999 min
Delta R.T.: -0.002 min
Response: 268476490
Conc: 52.27 ng/ml



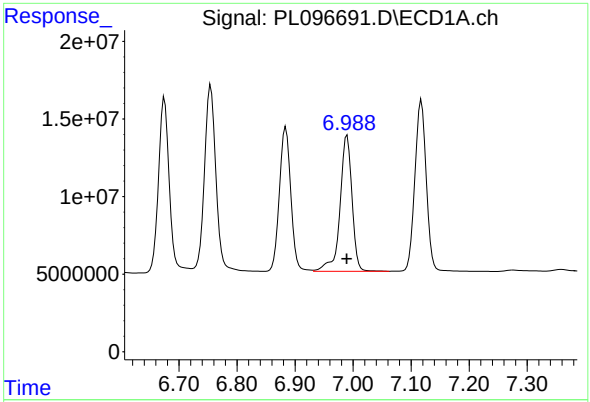
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 138602047
Conc: 54.82 ng/ml



#16 4,4'-DDD

R.T.: 5.854 min
Delta R.T.: -0.002 min
Response: 259086117
Conc: 55.06 ng/ml



#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 125674500
Conc: 43.82 ng/ml

Instrument :
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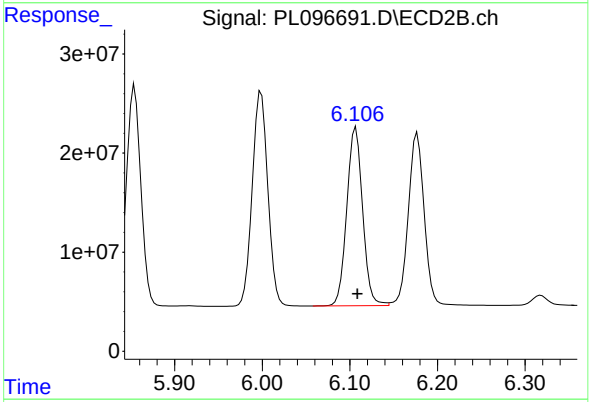
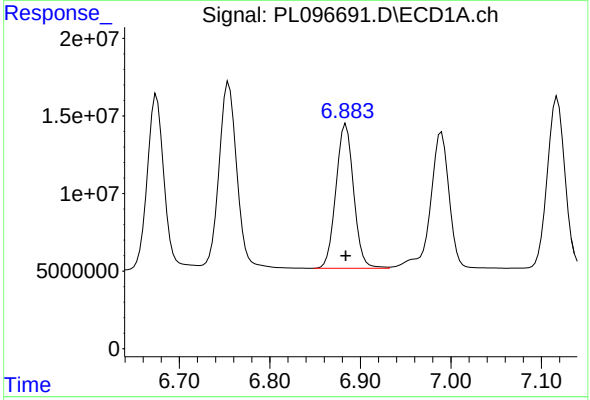


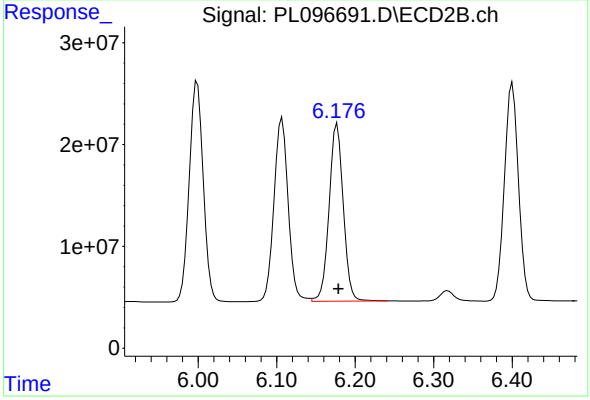
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 226429164
Conc: 44.76 ng/ml



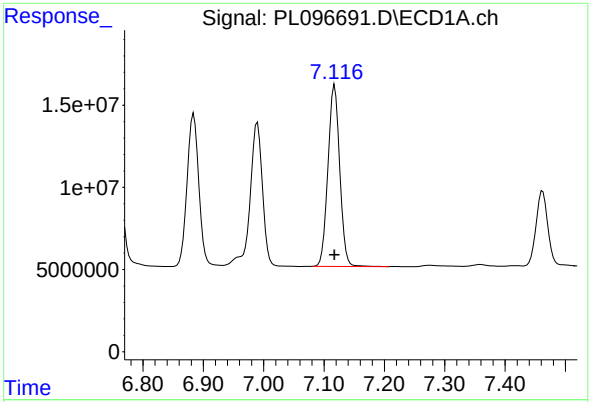
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 126378196
Conc: 58.89 ng/ml



#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 218860206
Conc: 59.57 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 149623012
Conc: 52.07 ng/ml

Instrument :
ECD_L
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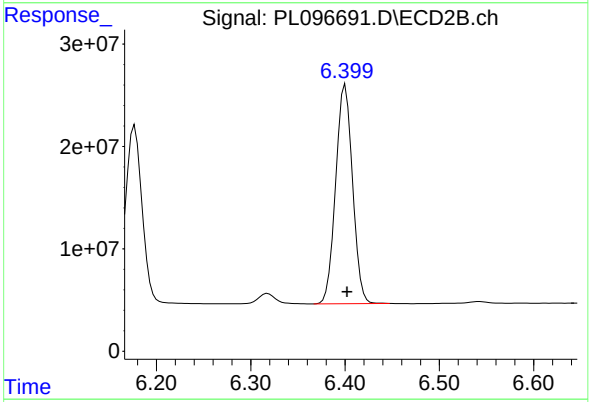
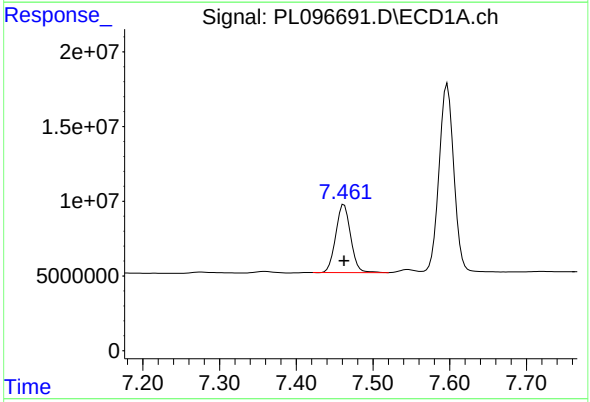


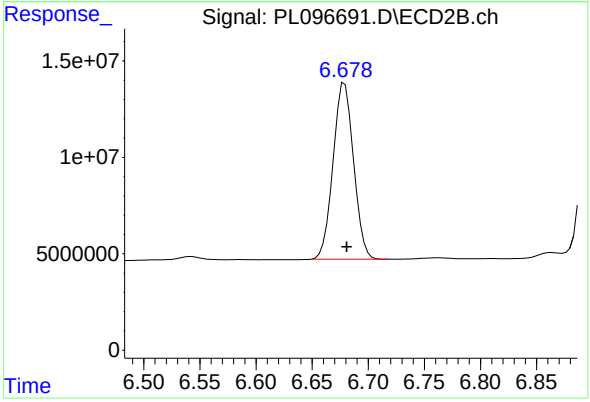
#19 Endosulfan Sulfate

R.T.: 6.400 min
Delta R.T.: -0.002 min
Response: 265973570
Conc: 52.29 ng/ml



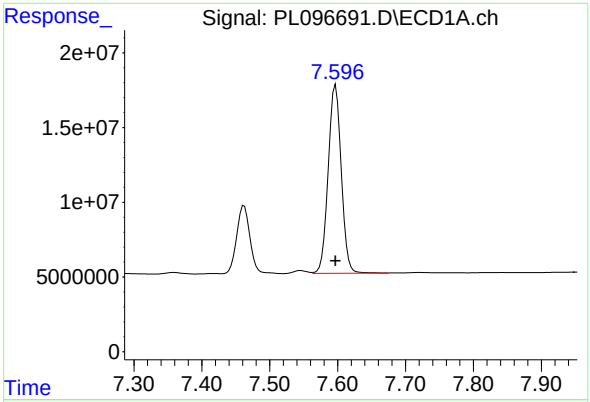
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 61330578
Conc: 41.77 ng/ml



#20 Methoxychlor

R.T.: 6.679 min
Delta R.T.: -0.002 min
Response: 116237976
Conc: 42.41 ng/ml



#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 168565428
Conc: 56.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS

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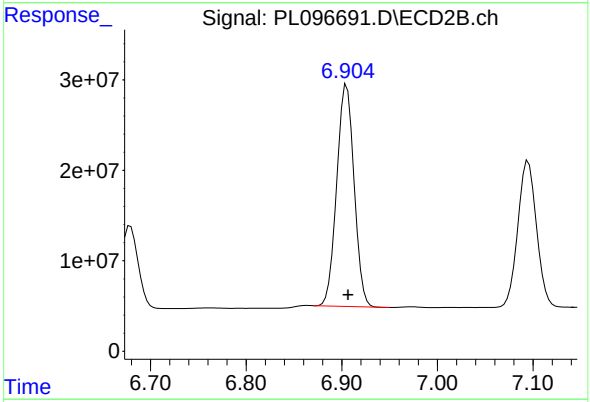
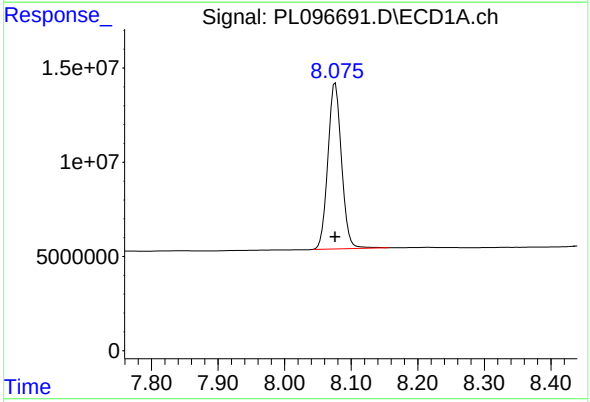


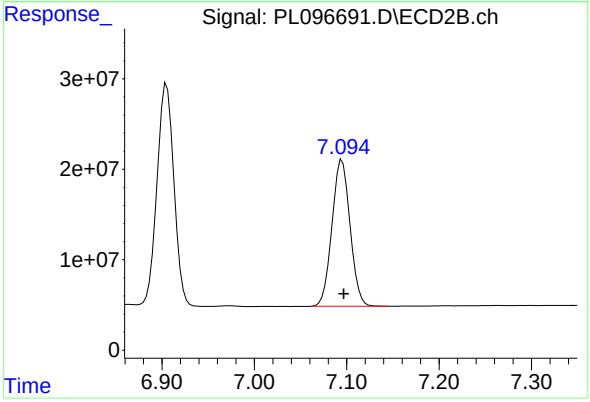
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 310511554
Conc: 55.75 ng/ml



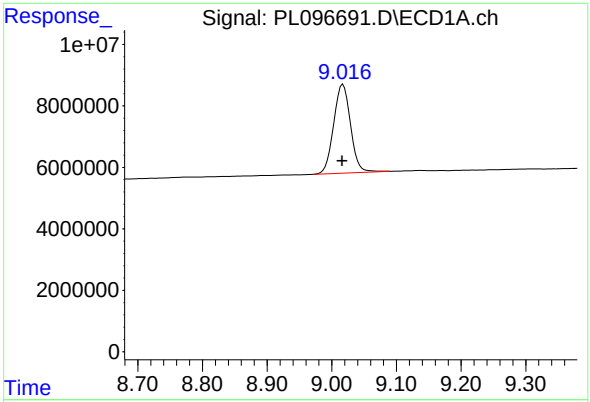
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 125740405
Conc: 50.72 ng/ml



#22 Mirex

R.T.: 7.095 min
Delta R.T.: -0.002 min
Response: 220007413
Conc: 50.45 ng/ml



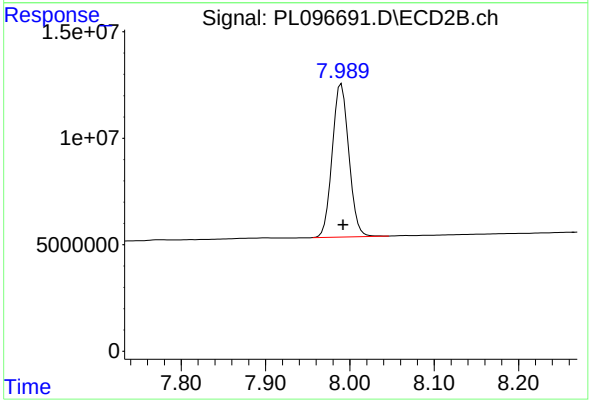
#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: 0.002 min
Response: 52303080
Conc: 21.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 98525020
Conc: 22.71 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	VNJ-253MS	SDG No.:	Q2747
Lab Sample ID:	Q2734-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096696.D	10	08/04/25 08:55	08/04/25 14:22	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018	J	0.0014	0.0037	0.019	mg/Kg
319-85-7	beta-BHC	0.021		0.0020	0.0092	0.019	mg/Kg
319-86-8	delta-BHC	0.019		0.0043	0.0092	0.019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018	J	0.0016	0.0037	0.019	mg/Kg
76-44-8	Heptachlor	0.019		0.0013	0.0037	0.019	mg/Kg
309-00-2	Aldrin	0.018	J	0.0013	0.0037	0.019	mg/Kg
1024-57-3	Heptachlor epoxide	0.024		0.0021	0.0092	0.019	mg/Kg
959-98-8	Endosulfan I	0.020		0.0016	0.0037	0.019	mg/Kg
60-57-1	Dieldrin	0.019	J	0.0016	0.0037	0.019	mg/Kg
72-55-9	4,4-DDE	0.025		0.0016	0.0037	0.019	mg/Kg
72-20-8	Endrin	0.021		0.0016	0.0037	0.019	mg/Kg
33213-65-9	Endosulfan II	0.019		0.0032	0.0092	0.019	mg/Kg
72-54-8	4,4-DDD	0.022		0.0017	0.0037	0.019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018	J	0.0014	0.0037	0.019	mg/Kg
50-29-3	4,4-DDT	0.026		0.0016	0.0037	0.019	mg/Kg
72-43-5	Methoxychlor	0.019		0.0041	0.0092	0.019	mg/Kg
53494-70-5	Endrin ketone	0.020		0.0021	0.0092	0.019	mg/Kg
7421-93-4	Endrin aldehyde	0.020		0.0041	0.0092	0.019	mg/Kg
5103-71-9	alpha-Chlordane	0.019	J	0.0013	0.0037	0.019	mg/Kg
5103-74-2	gamma-Chlordane	0.020		0.0017	0.0037	0.019	mg/Kg
8001-35-2	Toxaphene	0.19	U	0.060	0.19	0.37	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.5		55 - 130		123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		42 - 129		107%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	VNJ-253MS	SDG No.:	Q2747
Lab Sample ID:	Q2734-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096696.D	10	08/04/25 08:55	08/04/25 14:22	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096696.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:22
Operator : AR\AJ
Sample : Q2734-01MS 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.532	2.827	5504487	10204194	1.731m	2.136
28)	SA Decachlor...	9.012	7.988	4983577	10627929	2.090m	2.450m
	Target Compounds						
2)	A alpha-BHC	3.981	3.332	21760223	33640431	4.704	4.753
3)	MA gamma-BHC...	4.309	3.664	20904409	32982353	4.726	4.995
4)	MA Heptachlor	4.899	4.013	21233697	32391951	5.110m	4.862
5)	MB Aldrin	5.240	4.295	20569713	29320636	4.783	4.724
6)	B beta-BHC	4.496	3.959	9331698	15888948	5.170	5.633m
7)	B delta-BHC	4.740	4.193	20418687	30653391	5.118m	4.735
8)	B Heptachlo...	5.660	4.798	25234603	29028252	6.543	5.083
9)	A Endosulfan I	6.042	5.168	18864858	29136355	5.246	5.267
10)	B gamma-Chl...	5.914	5.049	20310958	28529436	5.338	4.852
11)	B alpha-Chl...	5.994	5.113	19355857	29233850	5.021	4.956
12)	B 4,4'-DDE	6.164	5.302	21603730	37694939	6.728	6.836
13)	MA Dieldrin	6.314	5.433	17495398	29899504	4.714	5.062
14)	MA Endrin	6.540	5.709	13187829	30844604	4.357	5.706 #
15)	B Endosulfa...	6.753	6.000	16326679	24819067	5.098	4.832
16)	A 4,4'-DDD	6.671	5.853	15034431	23037625	5.946m	4.896m
17)	MA 4,4'-DDT	6.987	6.106	20149519	30454081	7.026	6.021m
18)	B Endrin al...	6.882	6.177	11573581	25005835	5.393	3.681 #
19)	B Endosulfa...	7.116	6.401	13818091	24058857	4.808	4.730
20)	A Methoxychlor	7.460	6.678	7682286	11228519	5.232	4.097m
21)	B Endrin ke...	7.595	6.905	15861935	24439520	5.275	4.388
22)	Mirex	8.074	7.095	13233255	19877033	5.337	4.558

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

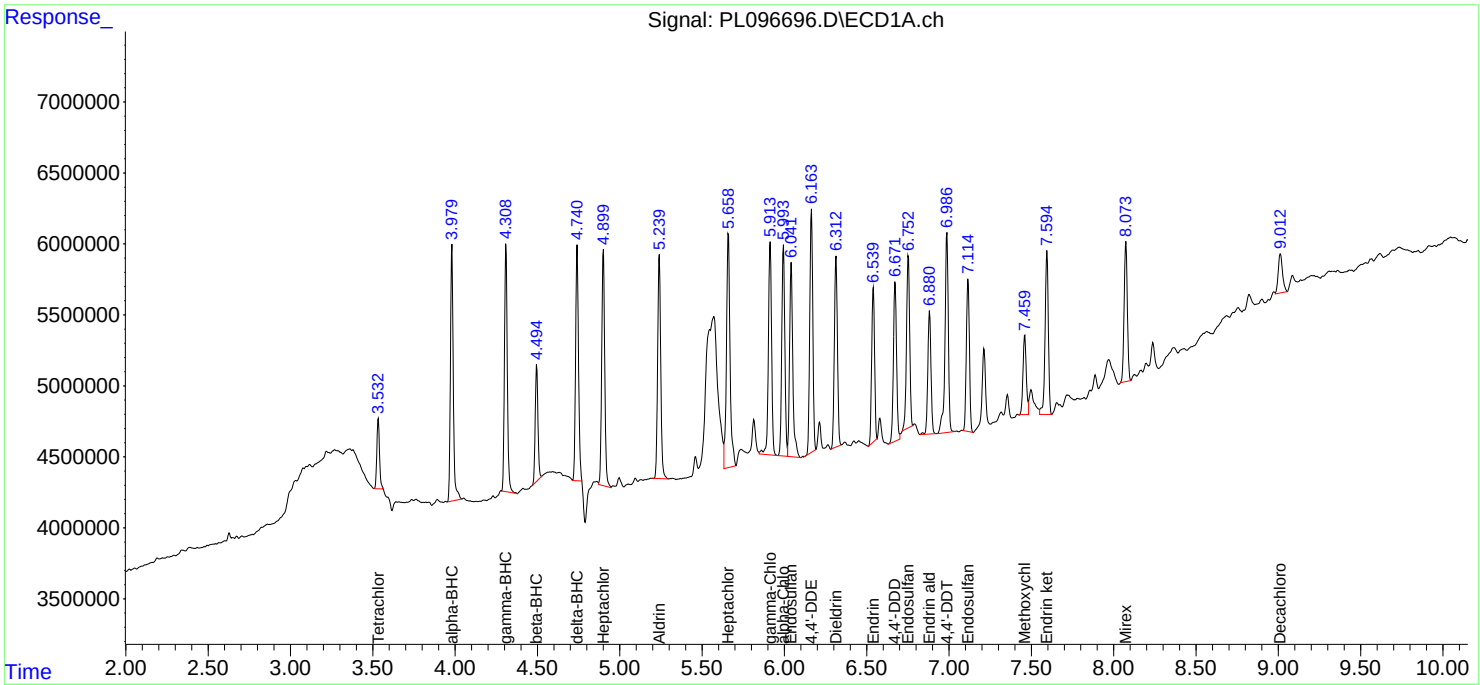
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096696.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:22
Operator : AR\AJ
Sample : Q2734-01MS 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

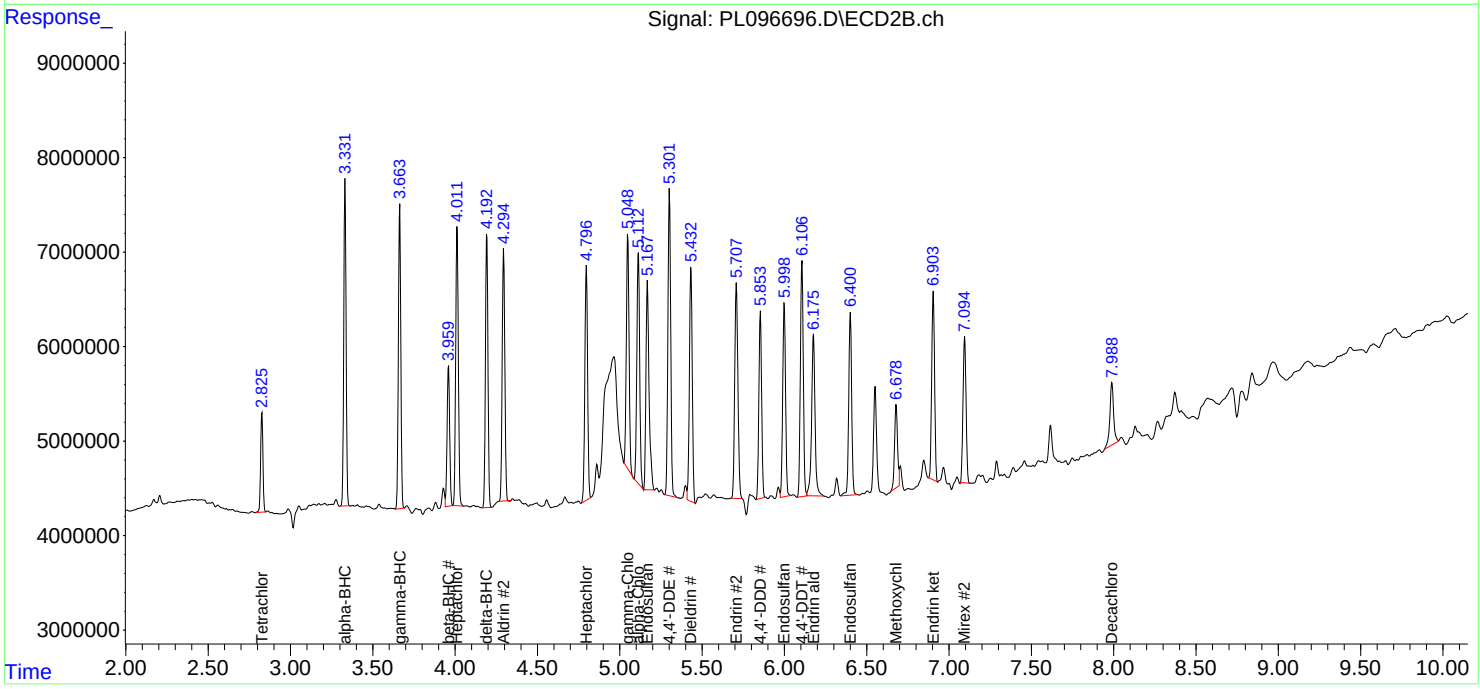
Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

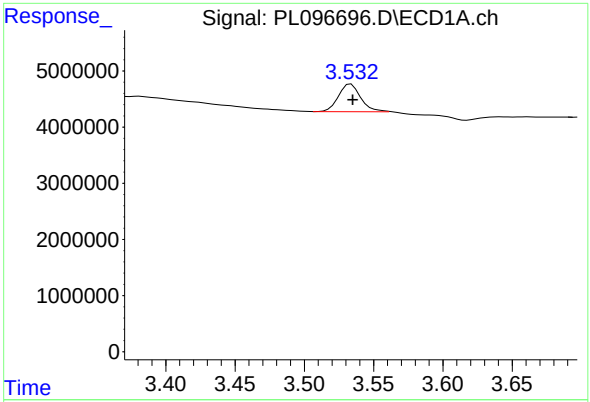
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







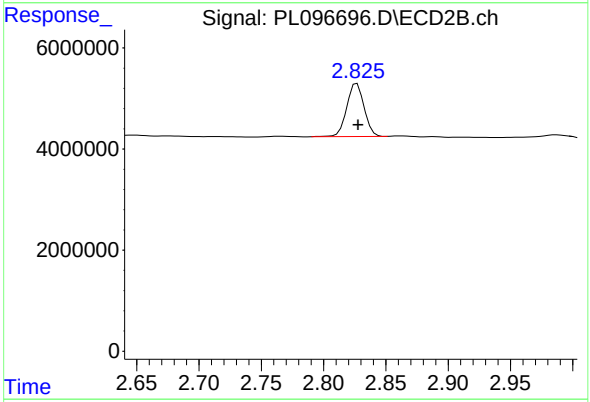
#1 Tetrachloro-m-xylene

R.T.: 3.532 min
Delta R.T.: -0.003 min
Response: 5504487
Conc: 1.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

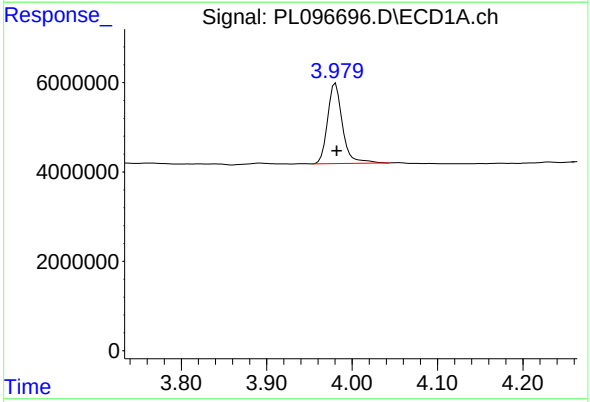
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



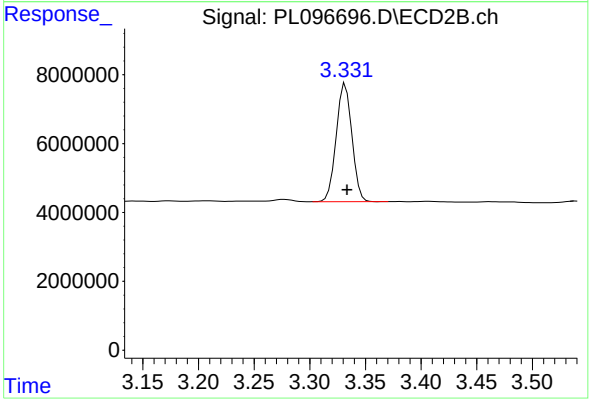
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 10204194
Conc: 2.14 ng/ml



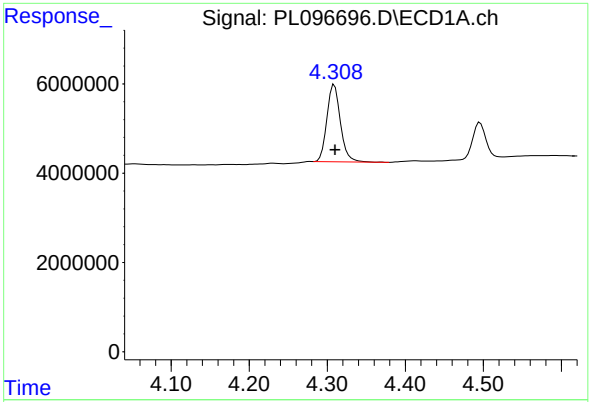
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 21760223
Conc: 4.70 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 33640431
Conc: 4.75 ng/ml



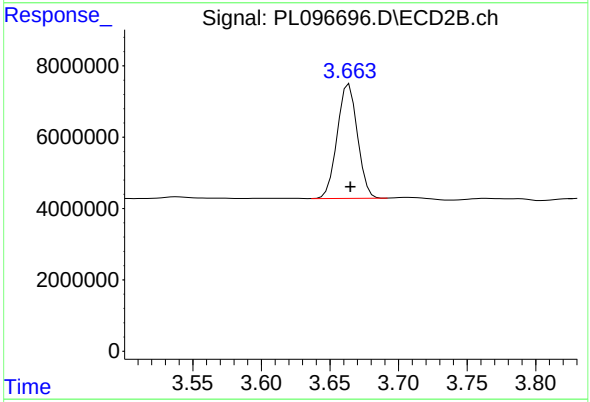
#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 20904409
Conc: 4.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

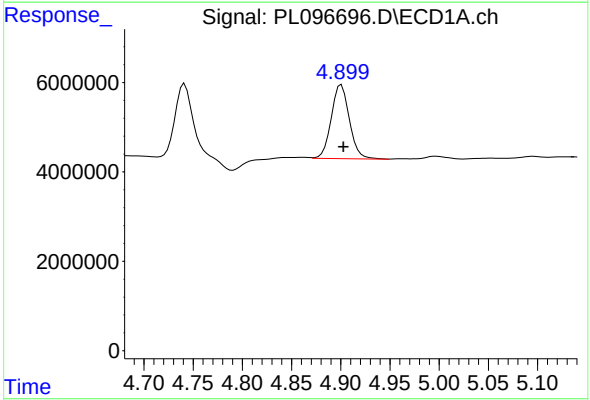
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



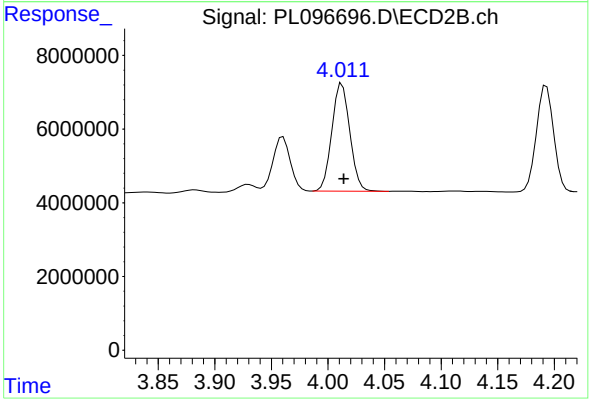
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 32982353
Conc: 4.99 ng/ml



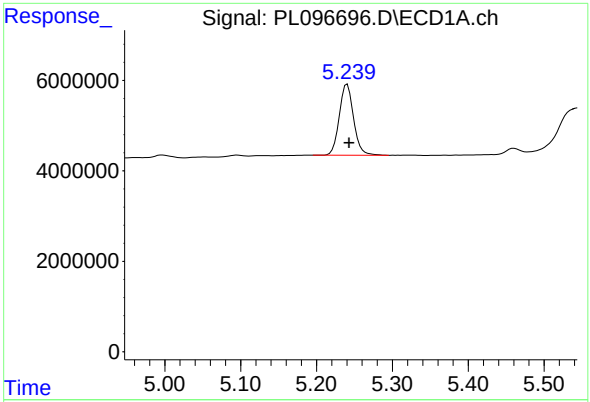
#4 Heptachlor

R.T.: 4.899 min
Delta R.T.: -0.004 min
Response: 21233697
Conc: 5.11 ng/ml m



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: -0.002 min
Response: 32391951
Conc: 4.86 ng/ml



#5 Aldrin

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 20569713
Conc: 4.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

Manual Integrations APPROVED

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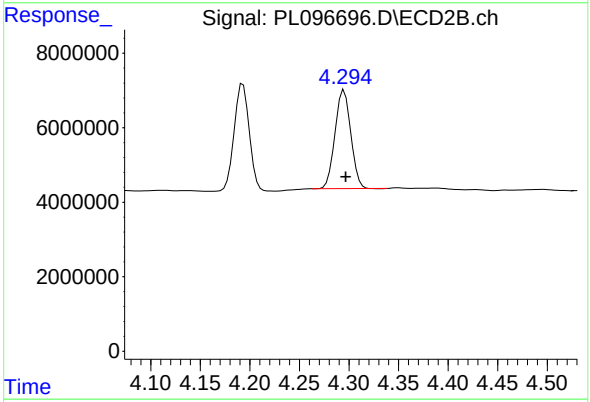
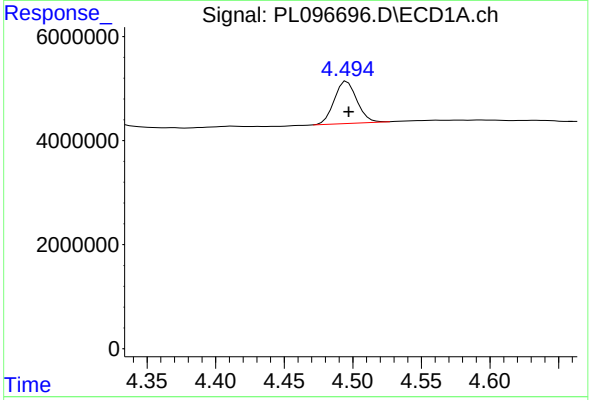
Supervised By :mohammad ahmed 08/05/2025



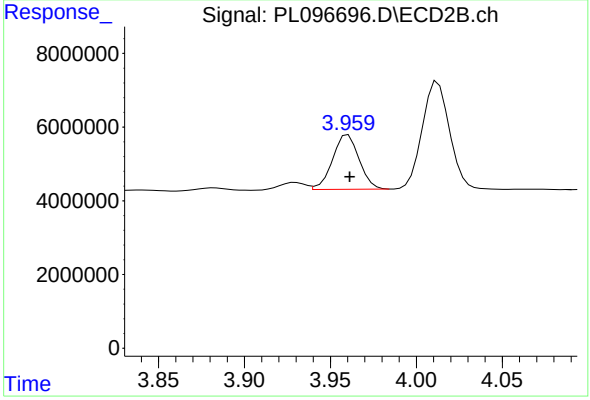
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.002 min
Response: 29320636
Conc: 4.72 ng/ml



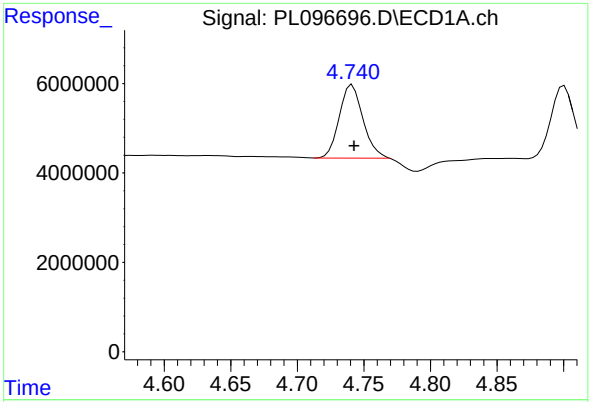
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 9331698
Conc: 5.17 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 15888948
Conc: 5.63 ng/ml m



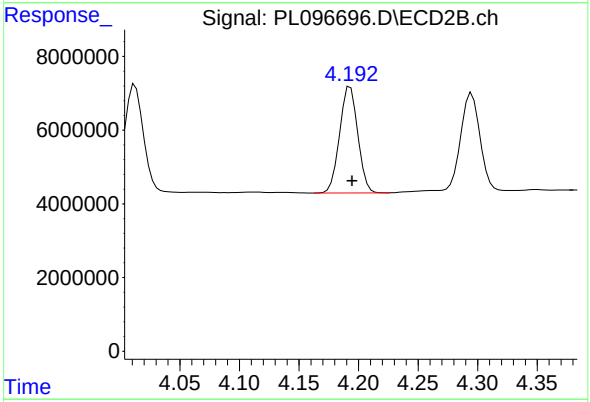
#7 delta-BHC

R.T.: 4.740 min
Delta R.T.: -0.003 min
Response: 20418687
Conc: 5.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

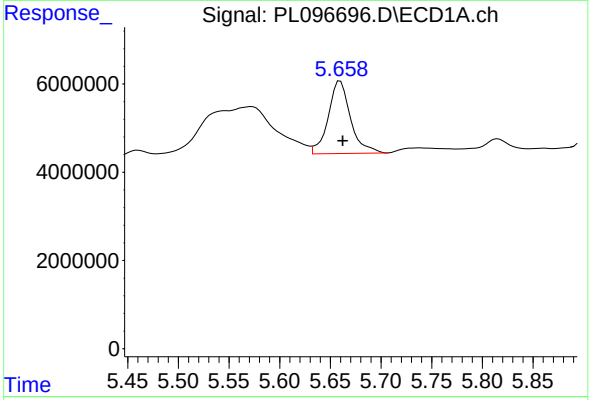
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



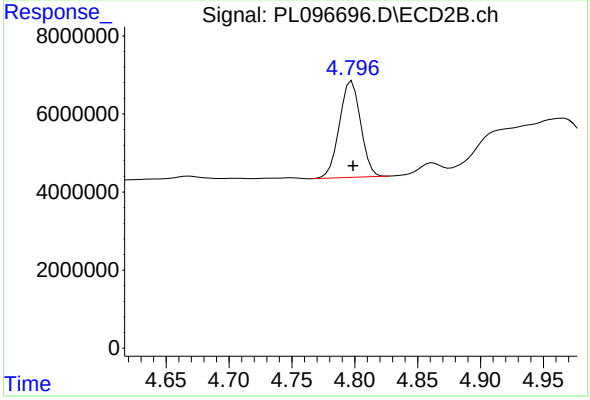
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.001 min
Response: 30653391
Conc: 4.74 ng/ml



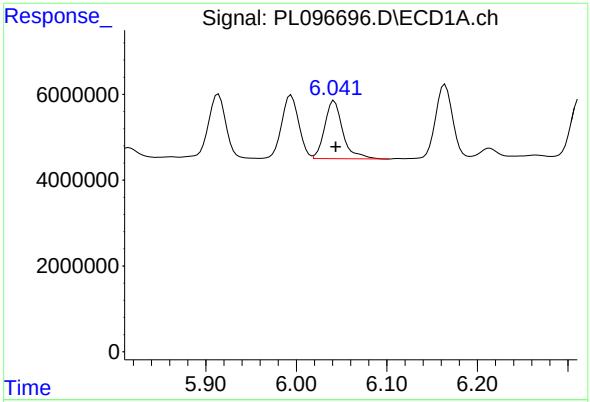
#8 Heptachlor epoxide

R.T.: 5.660 min
Delta R.T.: -0.002 min
Response: 25234603
Conc: 6.54 ng/ml



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: -0.001 min
Response: 29028252
Conc: 5.08 ng/ml



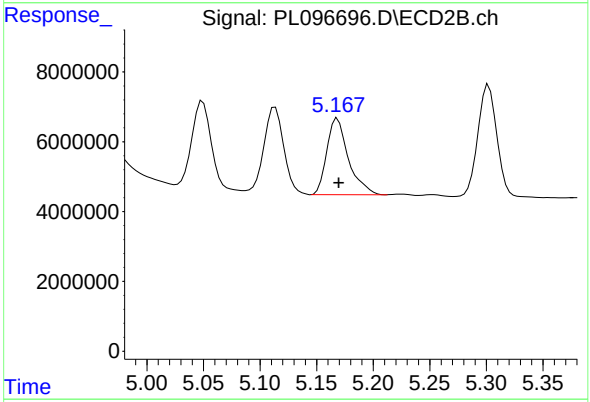
#9 Endosulfan I

R.T.: 6.042 min
Delta R.T.: -0.002 min
Response: 18864858
Conc: 5.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

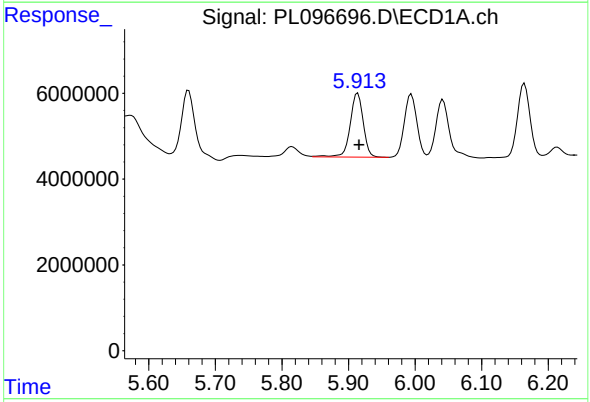
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



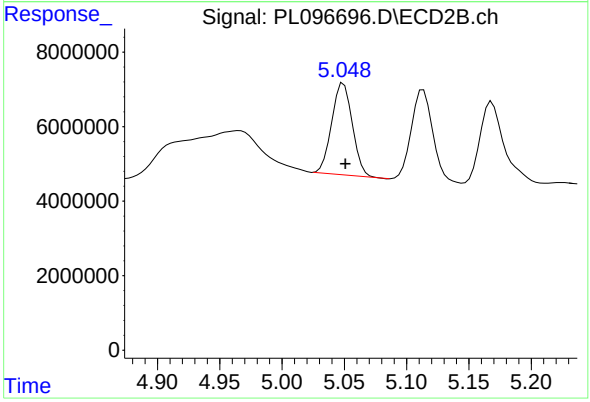
#9 Endosulfan I

R.T.: 5.168 min
Delta R.T.: -0.001 min
Response: 29136355
Conc: 5.27 ng/ml



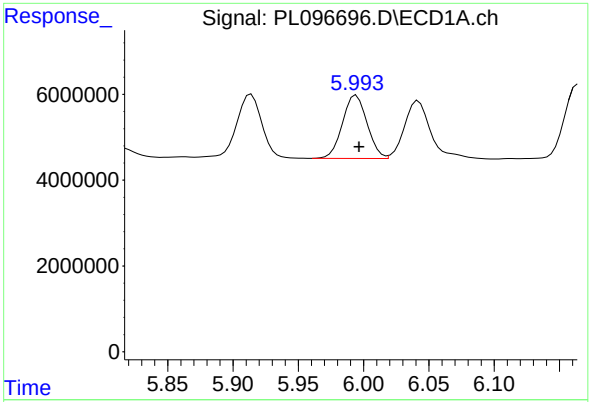
#10 gamma-Chlordane

R.T.: 5.914 min
Delta R.T.: -0.002 min
Response: 20310958
Conc: 5.34 ng/ml



#10 gamma-Chlordane

R.T.: 5.049 min
Delta R.T.: -0.002 min
Response: 28529436
Conc: 4.85 ng/ml



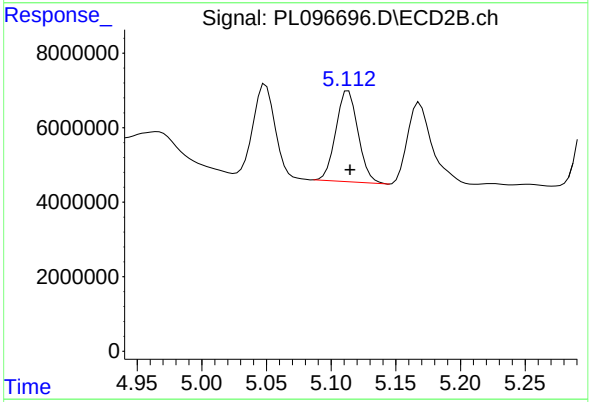
#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.002 min
Response: 19355857
Conc: 5.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

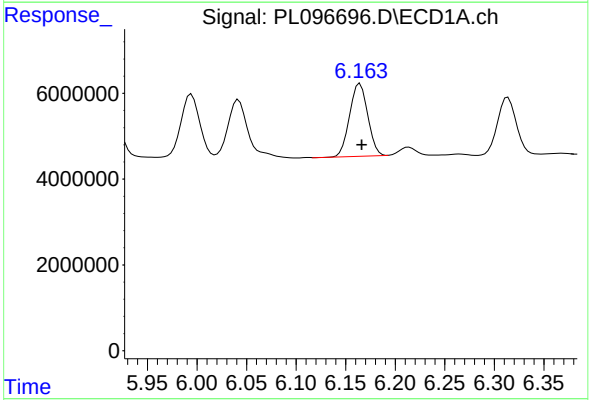
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



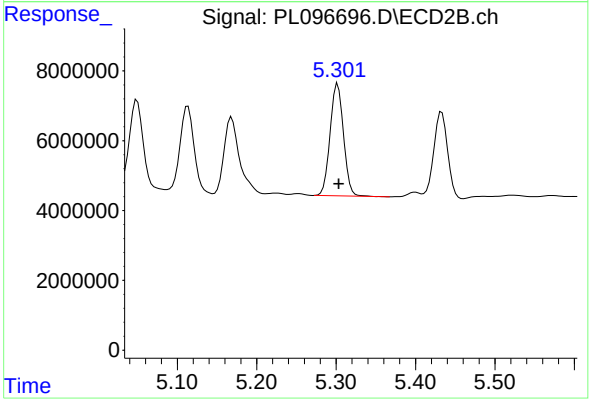
#11 alpha-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.001 min
Response: 29233850
Conc: 4.96 ng/ml



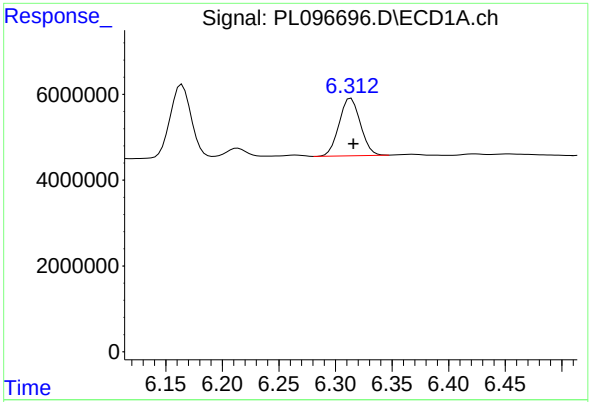
#12 4,4'-DDE

R.T.: 6.164 min
Delta R.T.: -0.002 min
Response: 21603730
Conc: 6.73 ng/ml



#12 4,4'-DDE

R.T.: 5.302 min
Delta R.T.: -0.002 min
Response: 37694939
Conc: 6.84 ng/ml



#13 Dieldrin

R.T.: 6.314 min
Delta R.T.: -0.002 min
Response: 17495398
Conc: 4.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

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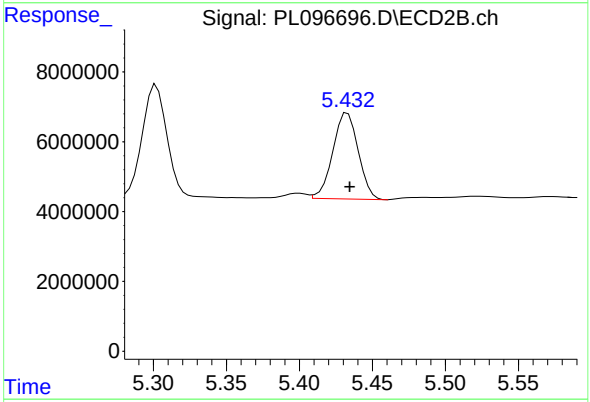
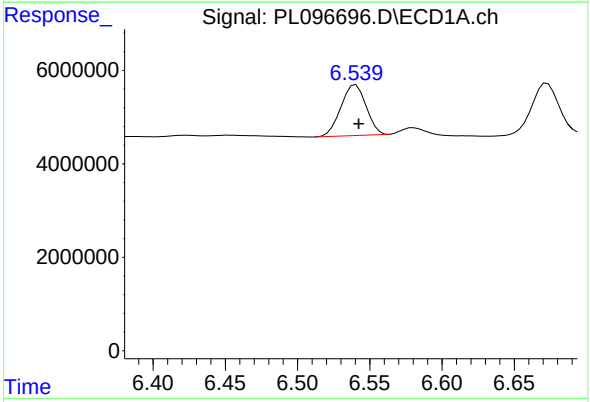
Supervised By :mohammad ahmed 08/05/2025



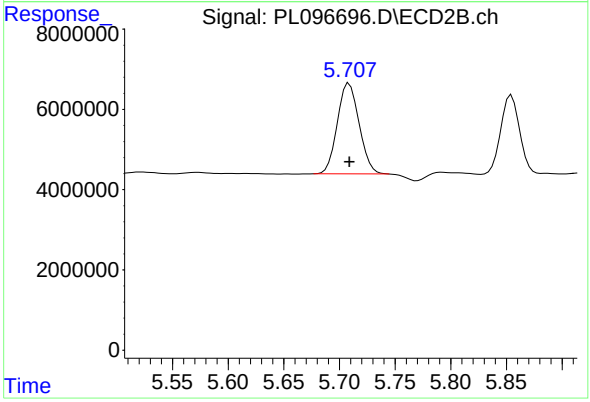
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.002 min
Response: 29899504
Conc: 5.06 ng/ml



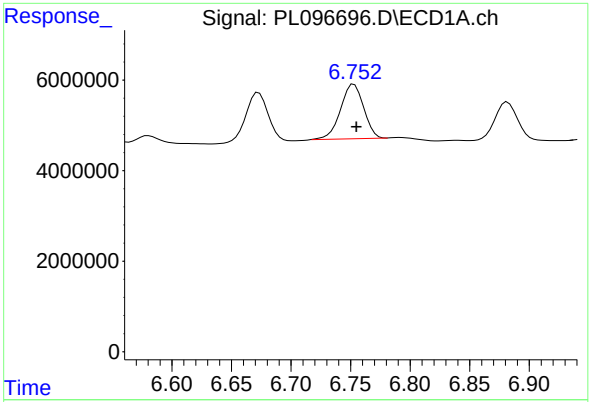
#14 Endrin

R.T.: 6.540 min
Delta R.T.: -0.002 min
Response: 13187829
Conc: 4.36 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 30844604
Conc: 5.71 ng/ml



#15 Endosulfan II

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 16326679
Conc: 5.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

Manual Integrations APPROVED

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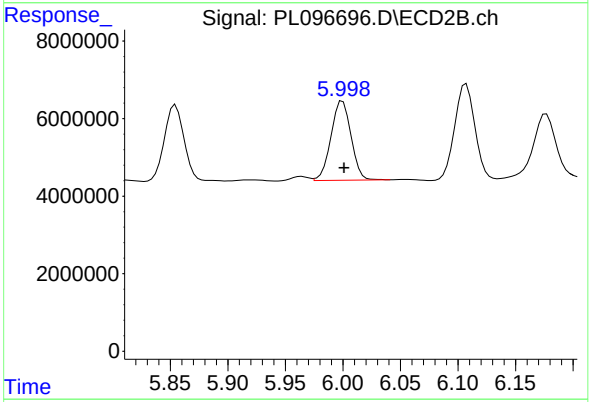
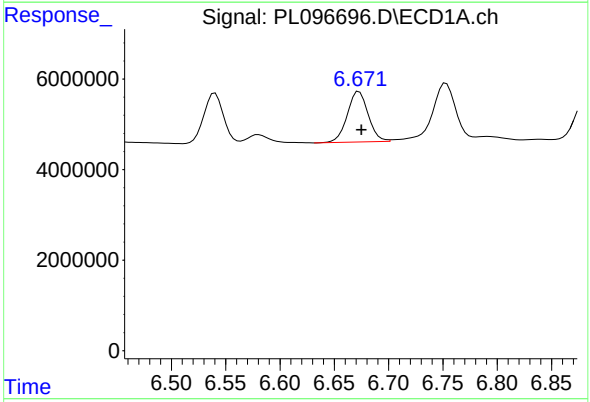


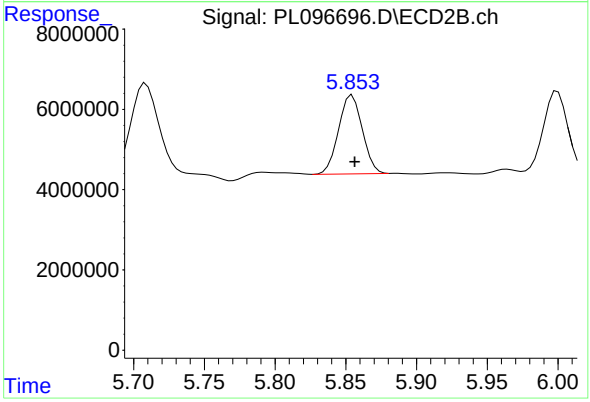
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.001 min
Response: 24819067
Conc: 4.83 ng/ml



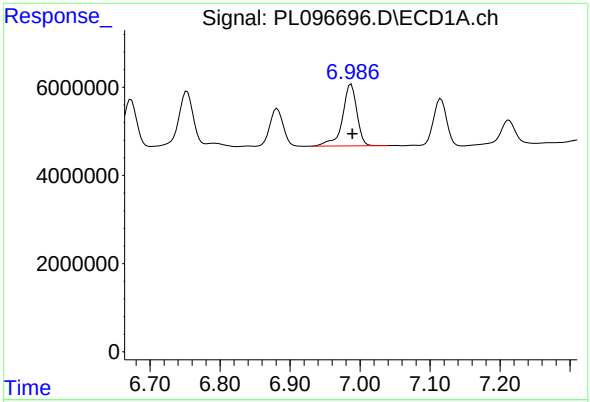
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 15034431
Conc: 5.95 ng/ml m



#16 4,4'-DDD

R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 23037625
Conc: 4.90 ng/ml m



#17 4,4'-DDT

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 20149519
Conc: 7.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

Manual Integrations APPROVED

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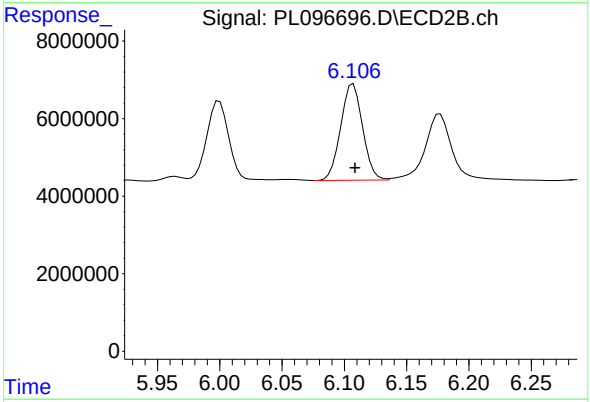
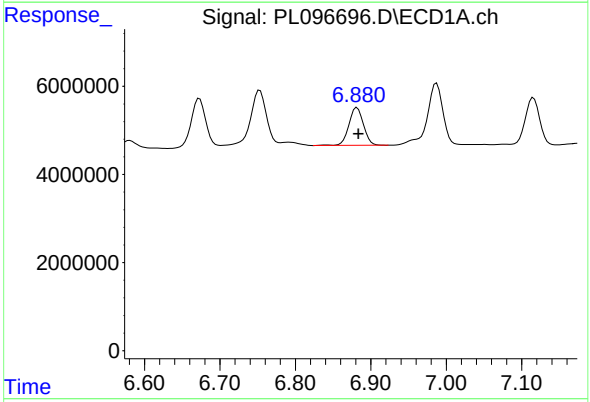


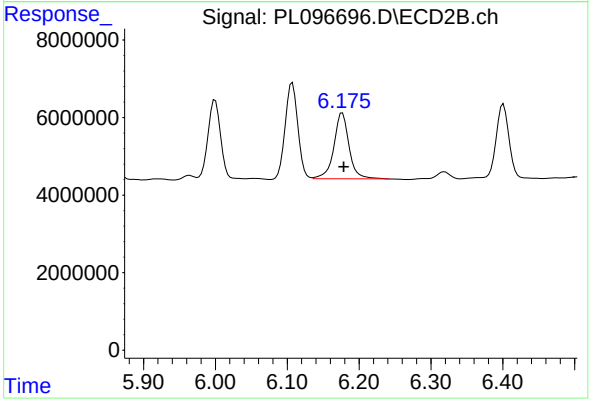
#17 4,4'-DDT

R.T.: 6.106 min
Delta R.T.: -0.003 min
Response: 30454081
Conc: 6.02 ng/ml m



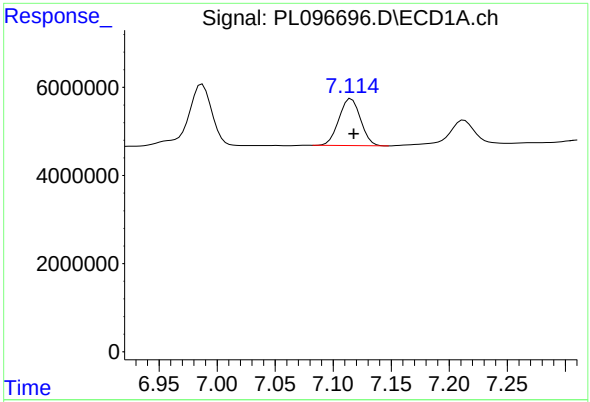
#18 Endrin aldehyde

R.T.: 6.882 min
Delta R.T.: -0.002 min
Response: 11573581
Conc: 5.39 ng/ml



#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 25005835
Conc: 3.68 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.116 min
Delta R.T.: -0.002 min
Response: 13818091
Conc: 4.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

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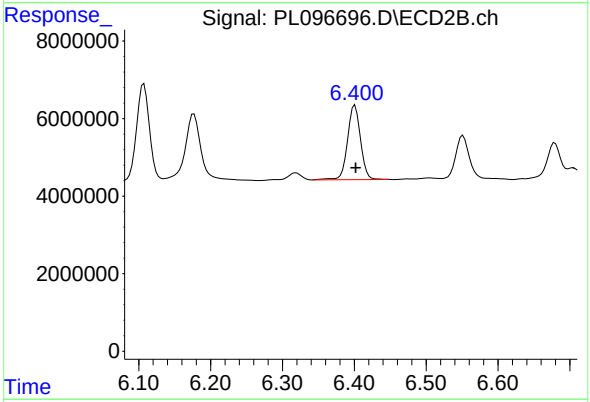
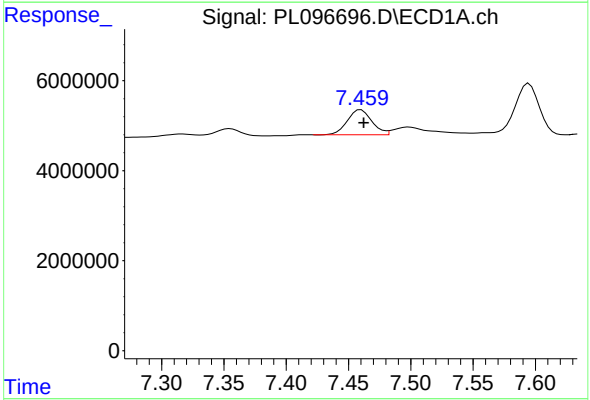
Supervised By :mohammad ahmed 08/05/2025



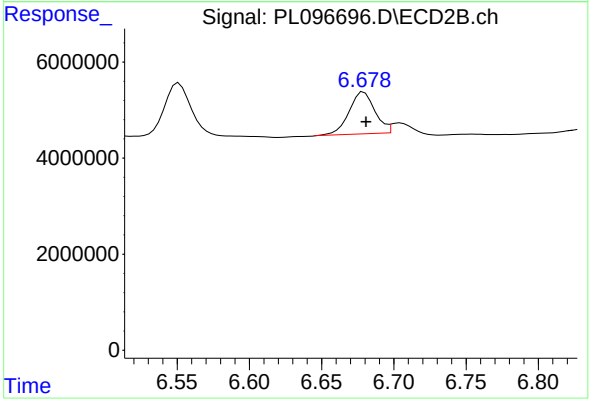
#19 Endosulfan Sulfate

R.T.: 6.401 min
Delta R.T.: -0.001 min
Response: 24058857
Conc: 4.73 ng/ml



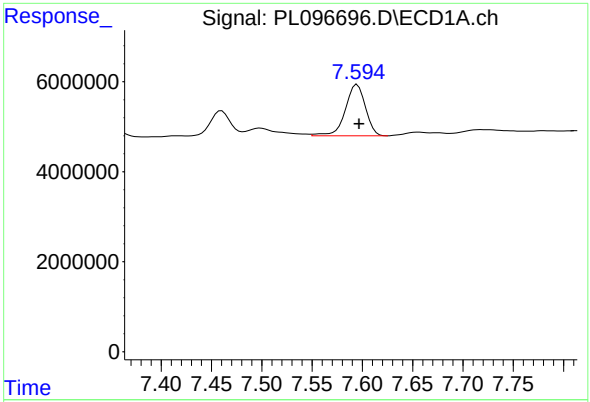
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 7682286
Conc: 5.23 ng/ml



#20 Methoxychlor

R.T.: 6.678 min
Delta R.T.: -0.003 min
Response: 11228519
Conc: 4.10 ng/ml m



#21 Endrin ketone

R.T.: 7.595 min
Delta R.T.: -0.002 min
Response: 15861935
Conc: 5.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

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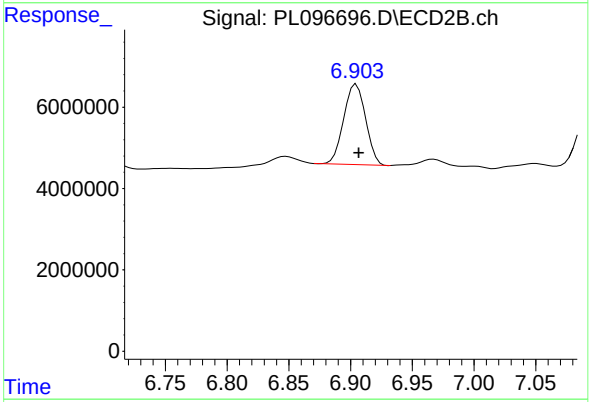
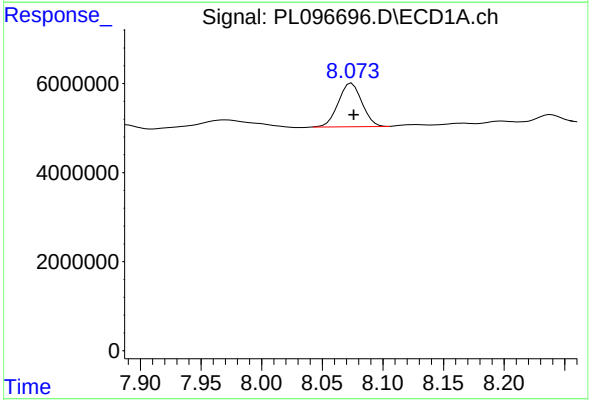


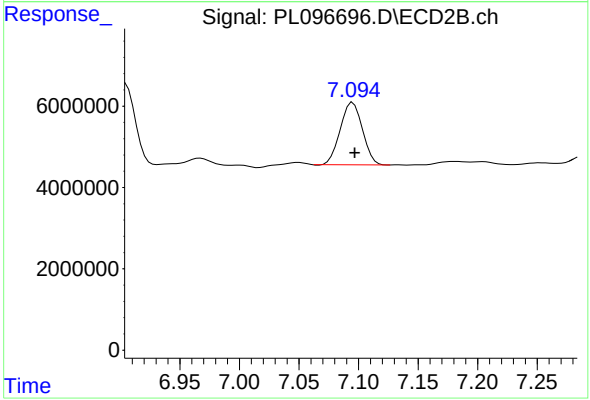
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.002 min
Response: 24439520
Conc: 4.39 ng/ml



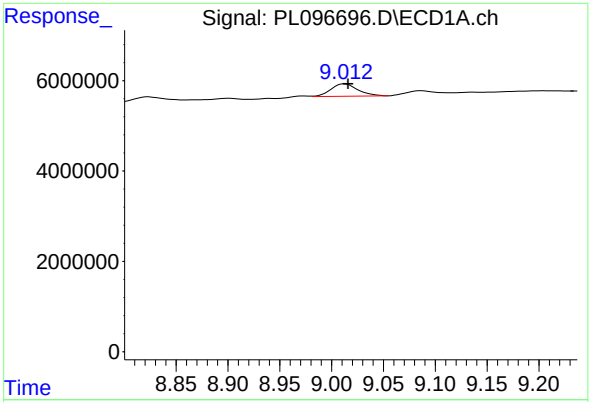
#22 Mirex

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 13233255
Conc: 5.34 ng/ml



#22 Mirex

R.T.: 7.095 min
Delta R.T.: -0.001 min
Response: 19877033
Conc: 4.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.012 min
Delta R.T.: -0.004 min
Response: 4983577
Conc: 2.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

Manual Integrations APPROVED

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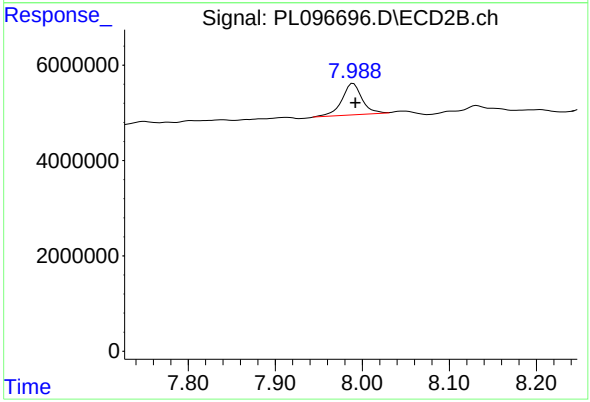

#28 Decachlorobiphenyl

R.T.: 7.988 min
Delta R.T.: -0.004 min
Response: 10627929
Conc: 2.45 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	VNJ-253MSD	SDG No.:	Q2747
Lab Sample ID:	Q2734-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096697.D	10	08/04/25 08:55	08/04/25 14:36	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018	J	0.0014	0.0037	0.019	mg/Kg
319-85-7	beta-BHC	0.020		0.0020	0.0092	0.019	mg/Kg
319-86-8	delta-BHC	0.019		0.0043	0.0092	0.019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018	J	0.0015	0.0037	0.019	mg/Kg
76-44-8	Heptachlor	0.019	J	0.0013	0.0037	0.019	mg/Kg
309-00-2	Aldrin	0.018	J	0.0013	0.0037	0.019	mg/Kg
1024-57-3	Heptachlor epoxide	0.024		0.0021	0.0092	0.019	mg/Kg
959-98-8	Endosulfan I	0.020		0.0015	0.0037	0.019	mg/Kg
60-57-1	Dieldrin	0.019	J	0.0015	0.0037	0.019	mg/Kg
72-55-9	4,4-DDE	0.025		0.0015	0.0037	0.019	mg/Kg
72-20-8	Endrin	0.021		0.0015	0.0037	0.019	mg/Kg
33213-65-9	Endosulfan II	0.018	J	0.0032	0.0092	0.019	mg/Kg
72-54-8	4,4-DDD	0.021		0.0017	0.0037	0.019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018	J	0.0014	0.0037	0.019	mg/Kg
50-29-3	4,4-DDT	0.025		0.0015	0.0037	0.019	mg/Kg
72-43-5	Methoxychlor	0.016	J	0.0041	0.0092	0.019	mg/Kg
53494-70-5	Endrin ketone	0.018	J	0.0021	0.0092	0.019	mg/Kg
7421-93-4	Endrin aldehyde	0.021		0.0041	0.0092	0.019	mg/Kg
5103-71-9	alpha-Chlordane	0.019		0.0013	0.0037	0.019	mg/Kg
5103-74-2	gamma-Chlordane	0.018	J	0.0017	0.0037	0.019	mg/Kg
8001-35-2	Toxaphene	0.19	U	0.060	0.19	0.37	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.5		55 - 130		108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		42 - 129		106%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	VNJ-253MSD	SDG No.:	Q2747
Lab Sample ID:	Q2734-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096697.D	10	08/04/25 08:55	08/04/25 14:36	PB169093

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:36
Operator : AR\AJ
Sample : Q2734-01MSD 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.532	2.827	5290565	10126469	1.663m	2.119 #
28)	SA Decachlor...	9.011	7.991	4794246	9316561	2.010m	2.148
	Target Compounds						
2)	A alpha-BHC	3.981	3.332	21819245	33578707	4.716	4.745
3)	MA gamma-BHC...	4.309	3.664	21646924	32803941	4.894	4.968
4)	MA Heptachlor	4.899	4.013	20821263	32089162	5.010m	4.817
5)	MB Aldrin	5.240	4.295	20782091	29159712	4.832	4.698
6)	B beta-BHC	4.495	3.959	9089509	15619689	5.036	5.537m
7)	B delta-BHC	4.740	4.193	20825175	30493508	5.220m	4.710
8)	B Heptachlo...	5.659	4.797	25489822	28825541	6.610	5.047
9)	A Endosulfan I	6.041	5.169	19206339	28857954	5.340	5.217
10)	B gamma-Chl...	5.913	5.050	19024960	28395989	5.000	4.829
11)	B alpha-Chl...	5.994	5.114	19823040	29051737	5.143	4.925
12)	B 4,4'-DDE	6.163	5.302	21935783	37411834	6.831	6.784
13)	MA Dieldrin	6.313	5.433	17393142	29700959	4.687	5.028
14)	MA Endrin	6.539	5.709	13566585	30312515	4.482	5.607 #
15)	B Endosulfa...	6.751	5.999	15464009	24679735	4.829m	4.805
16)	A 4,4'-DDD	6.672	5.854	14622725	23159489	5.783	4.922
17)	MA 4,4'-DDT	6.987	6.107	19724770	29947860	6.878	5.921
18)	B Endrin al...	6.882	6.177	12123149	25990117	5.649	3.964 #
19)	B Endosulfa...	7.115	6.401	14369153	23969428	5.000	4.713
20)	A Methoxychlor	7.460	6.678	5913828	11481547	4.028	4.190m
21)	B Endrin ke...	7.594	6.905	14378949	24310689	4.782	4.365
22)	Mirex	8.074	7.096	13459707	20157034	5.429	4.622

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

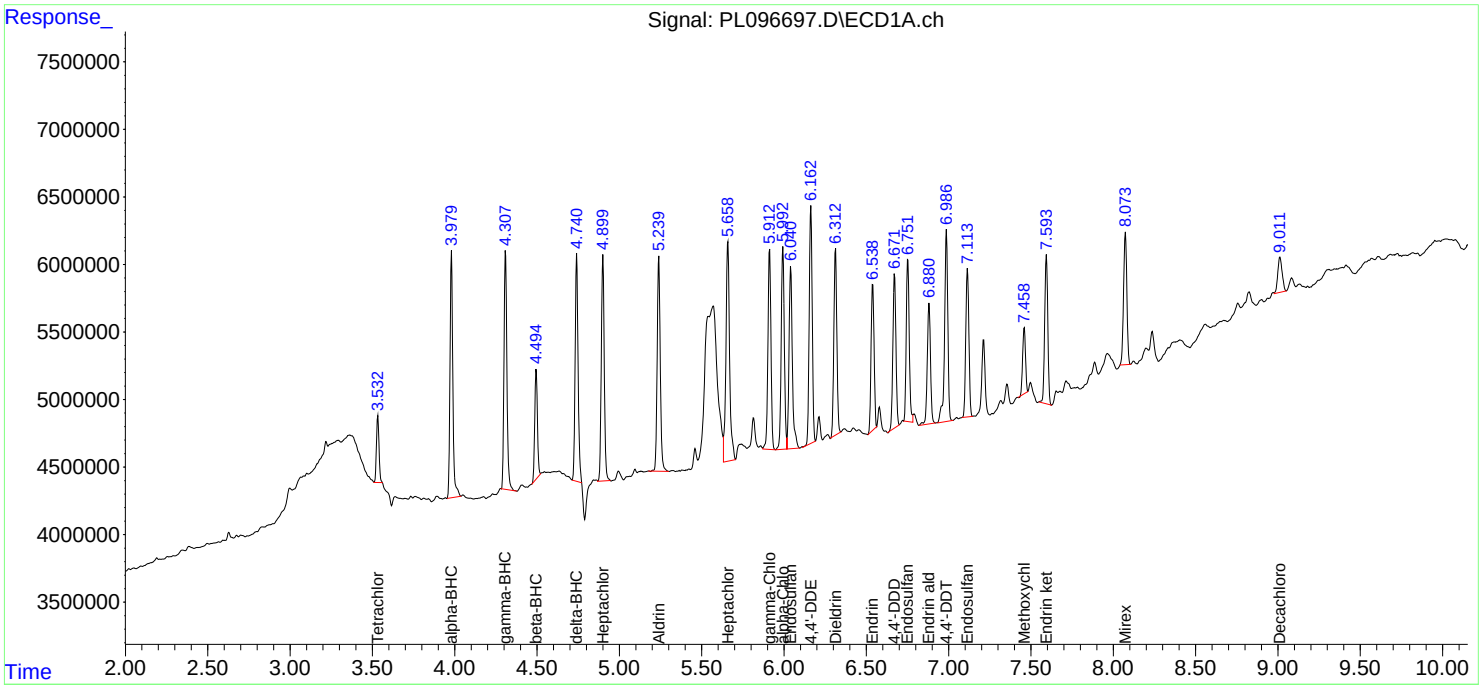
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:36
Operator : AR\AJ
Sample : Q2734-01MSD 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

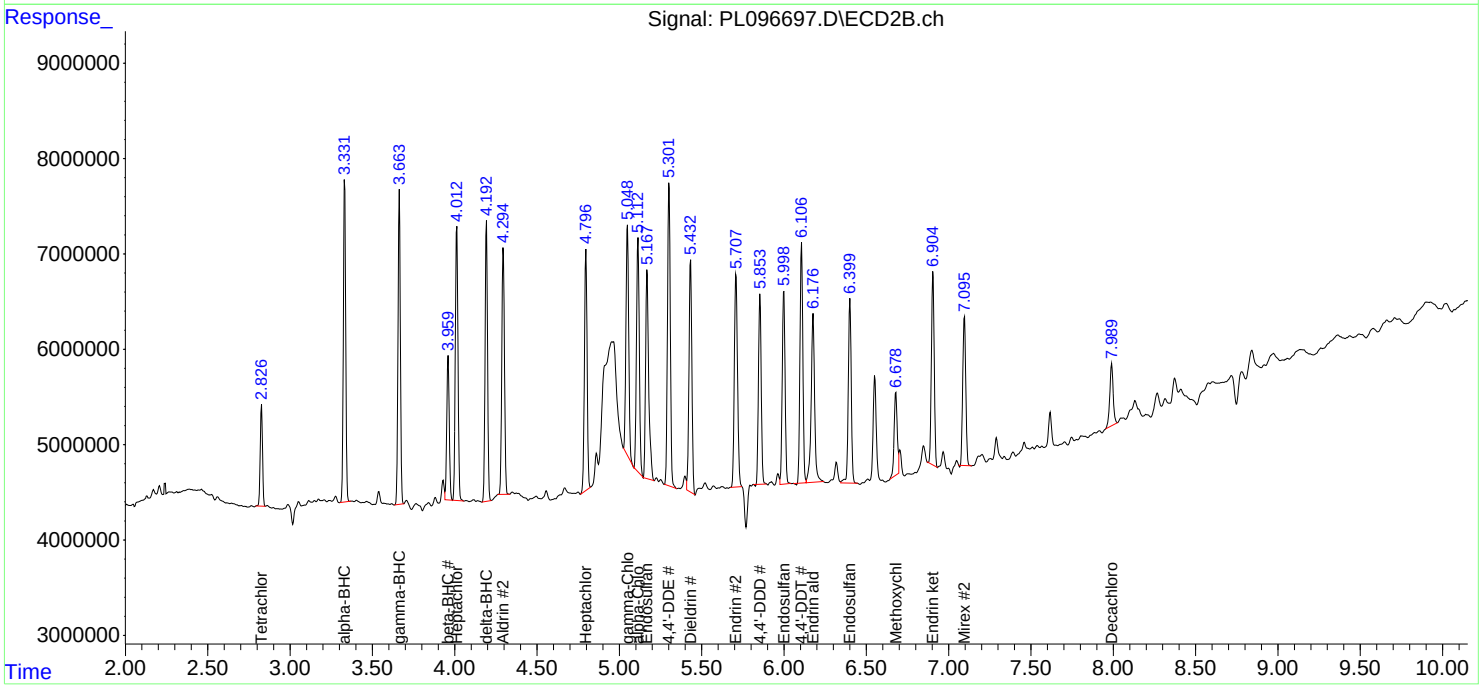
Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

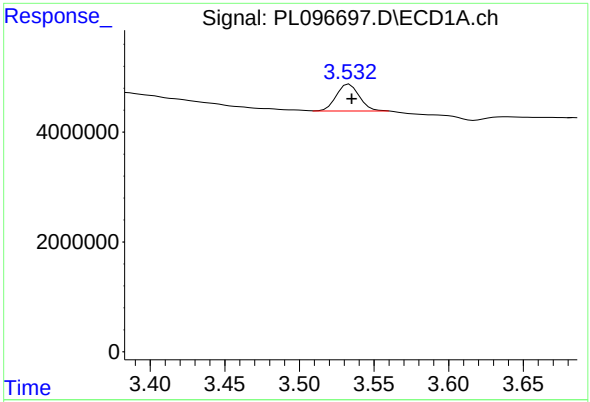
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.532 min
Delta R.T.: -0.003 min
Response: 5290565
Conc: 1.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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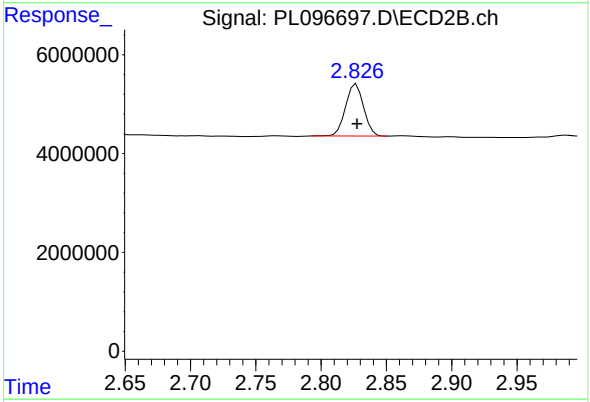
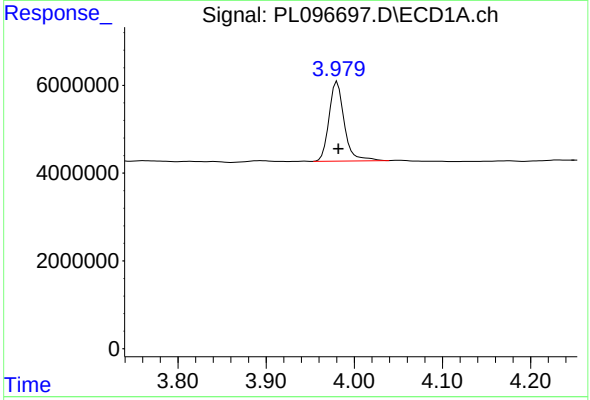


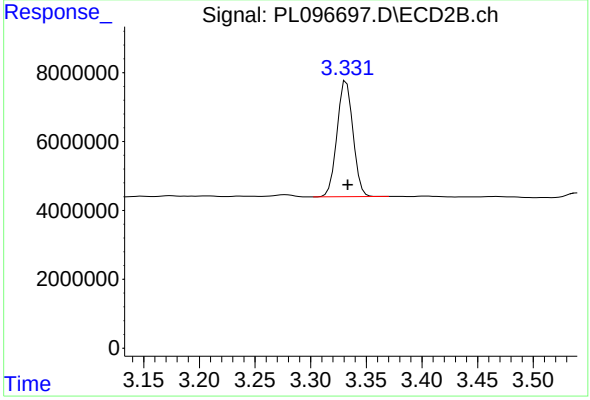
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 10126469
Conc: 2.12 ng/ml



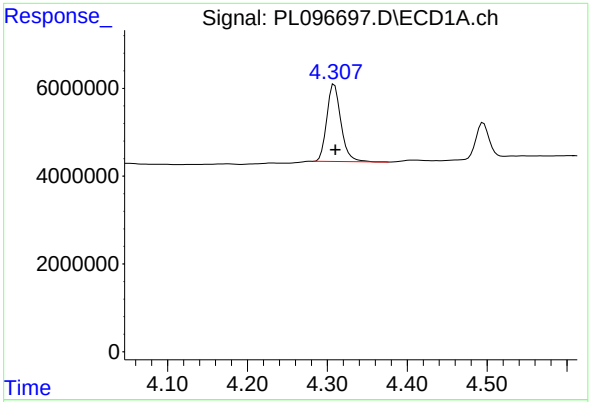
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 21819245
Conc: 4.72 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 33578707
Conc: 4.74 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 21646924
Conc: 4.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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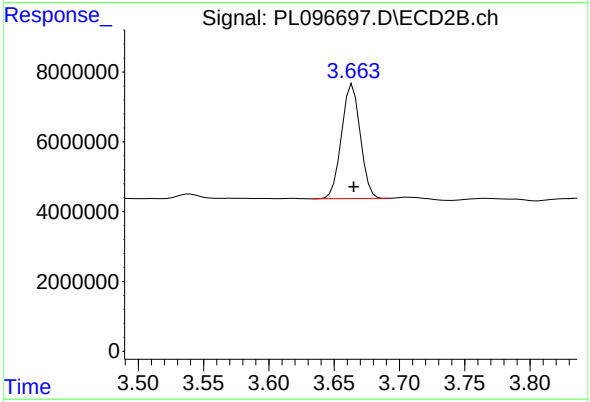
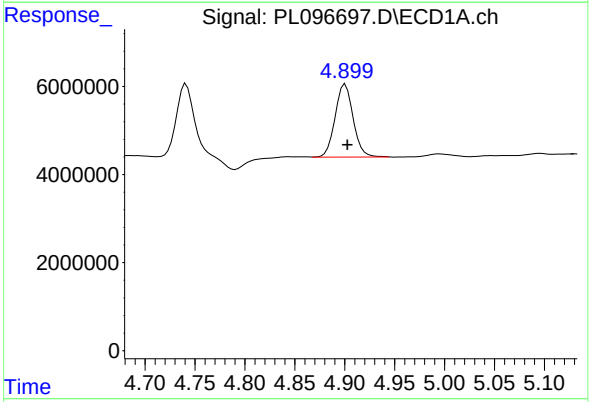


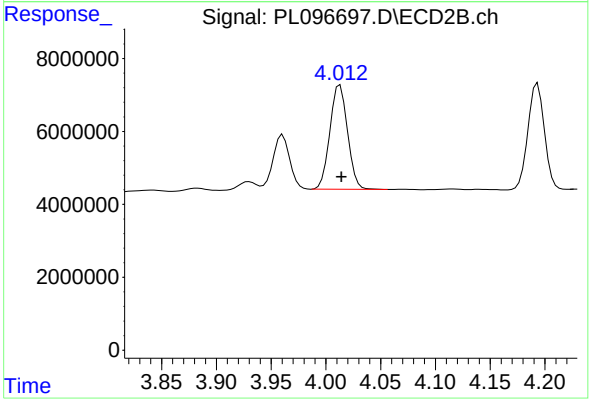
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 32803941
Conc: 4.97 ng/ml



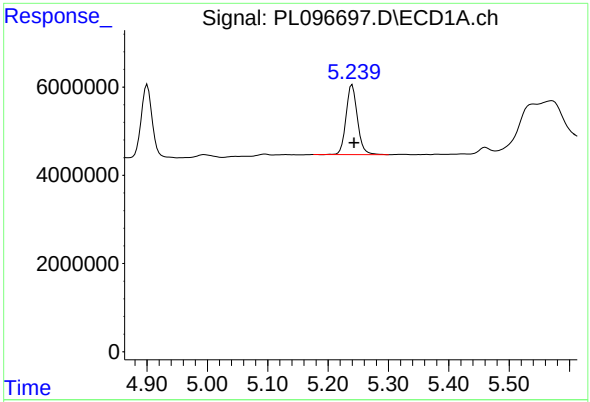
#4 Heptachlor

R.T.: 4.899 min
Delta R.T.: -0.004 min
Response: 20821263
Conc: 5.01 ng/ml m



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: -0.001 min
Response: 32089162
Conc: 4.82 ng/ml



#5 Aldrin

R.T.: 5.240 min
Delta R.T.: -0.003 min
Response: 20782091
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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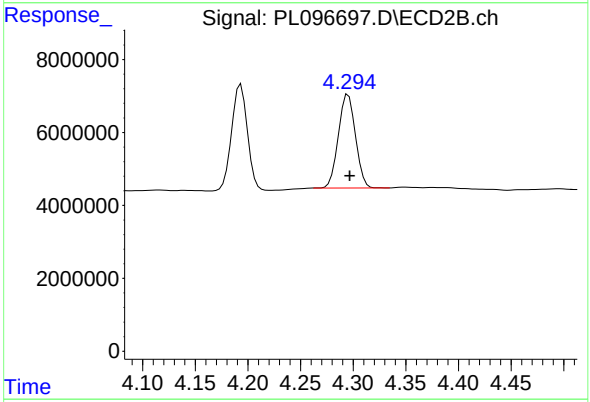
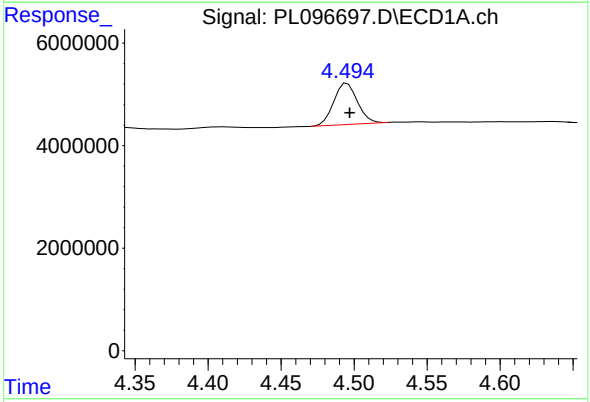


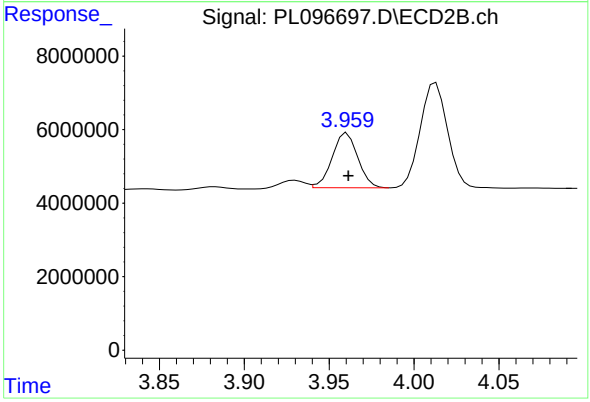
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.001 min
Response: 29159712
Conc: 4.70 ng/ml



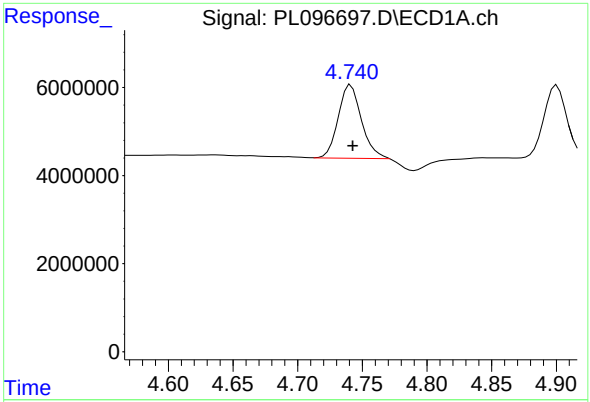
#6 beta-BHC

R.T.: 4.495 min
Delta R.T.: -0.002 min
Response: 9089509
Conc: 5.04 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 15619689
Conc: 5.54 ng/ml m



#7 delta-BHC

R.T.: 4.740 min
Delta R.T.: -0.003 min
Response: 20825175
Conc: 5.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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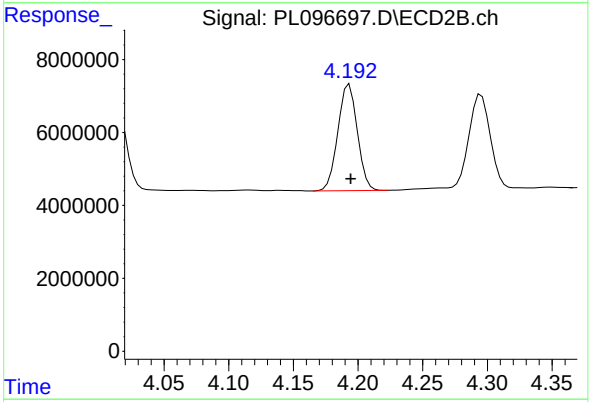
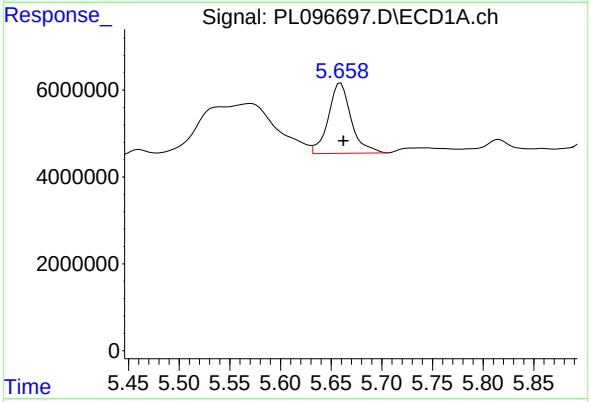
Supervised By :mohammad ahmed 08/05/2025



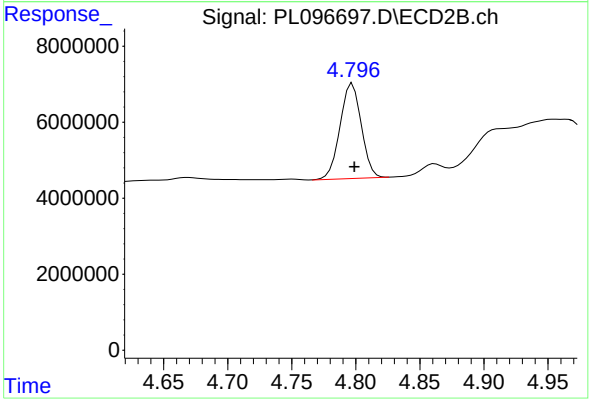
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.001 min
Response: 30493508
Conc: 4.71 ng/ml



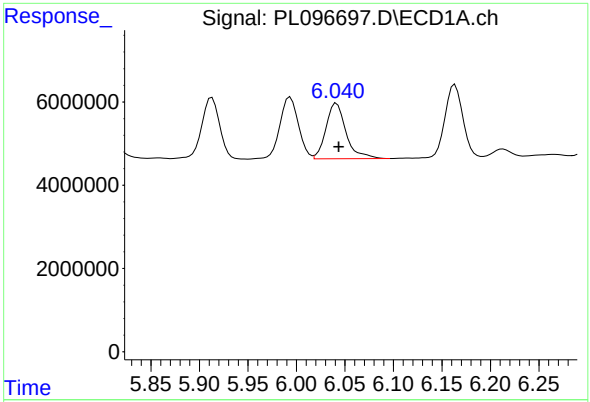
#8 Heptachlor epoxide

R.T.: 5.659 min
Delta R.T.: -0.003 min
Response: 25489822
Conc: 6.61 ng/ml



#8 Heptachlor epoxide

R.T.: 4.797 min
Delta R.T.: -0.001 min
Response: 28825541
Conc: 5.05 ng/ml



#9 Endosulfan I

R.T.: 6.041 min
Delta R.T.: -0.002 min
Response: 19206339
Conc: 5.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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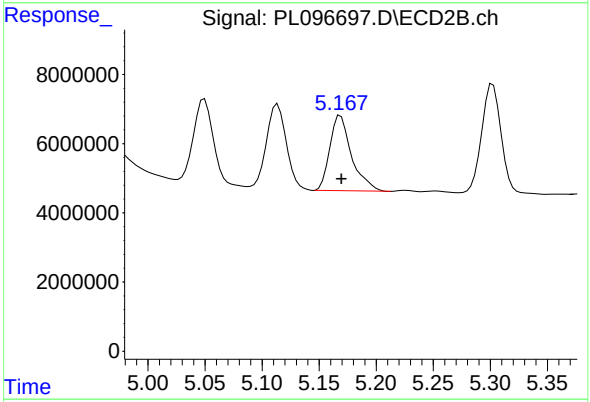
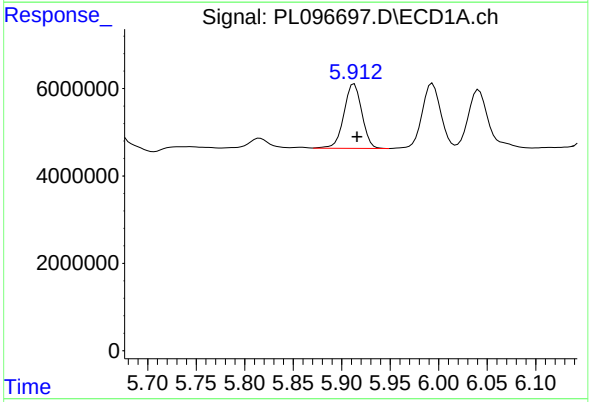


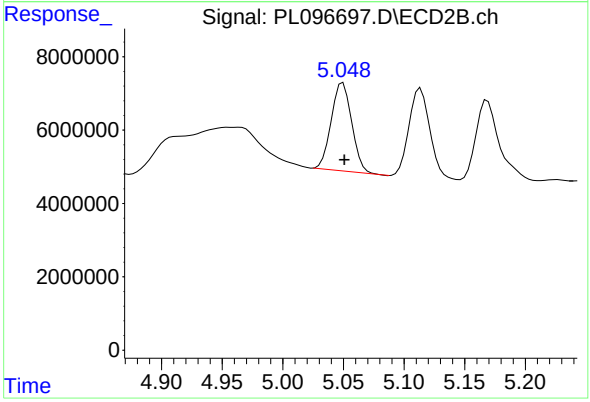
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 28857954
Conc: 5.22 ng/ml



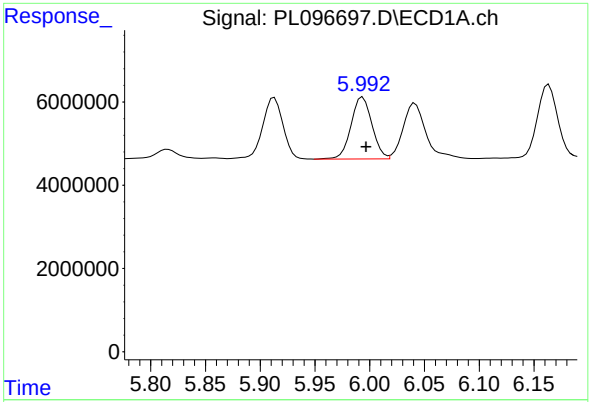
#10 gamma-Chlordane

R.T.: 5.913 min
Delta R.T.: -0.003 min
Response: 19024960
Conc: 5.00 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.001 min
Response: 28395989
Conc: 4.83 ng/ml



#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 19823040
Conc: 5.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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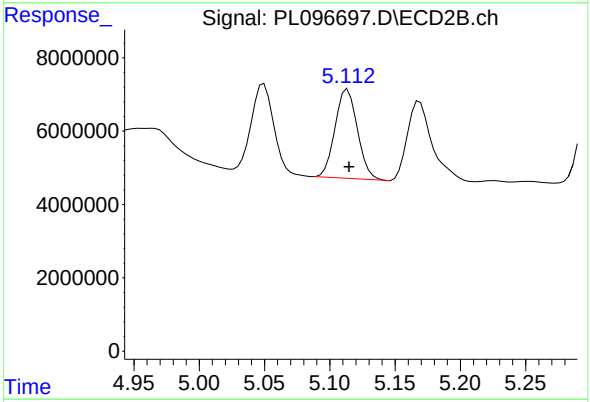
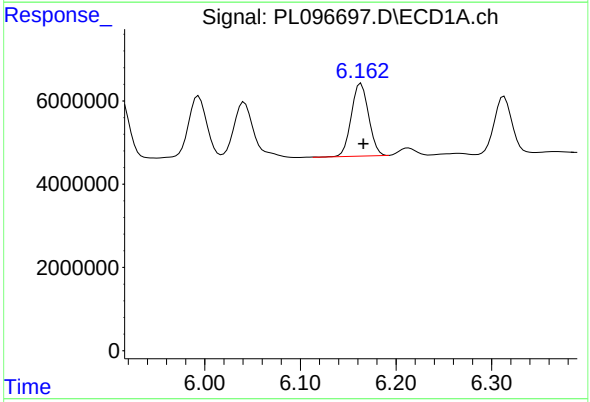


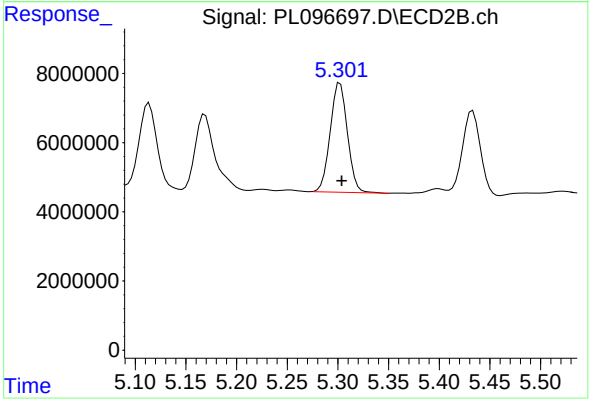
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.001 min
Response: 29051737
Conc: 4.92 ng/ml



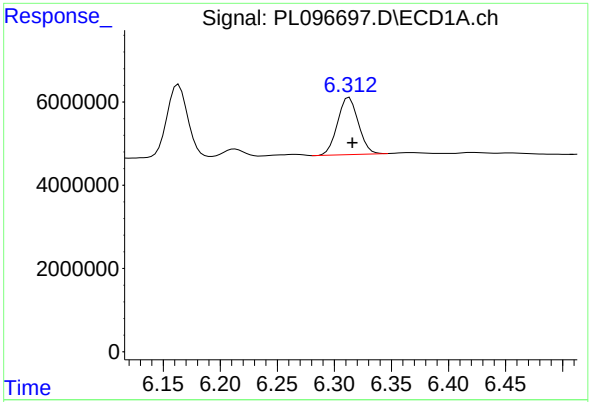
#12 4,4'-DDE

R.T.: 6.163 min
Delta R.T.: -0.003 min
Response: 21935783
Conc: 6.83 ng/ml



#12 4,4'-DDE

R.T.: 5.302 min
Delta R.T.: -0.001 min
Response: 37411834
Conc: 6.78 ng/ml



#13 Dieldrin

R.T.: 6.313 min
Delta R.T.: -0.003 min
Response: 17393142
Conc: 4.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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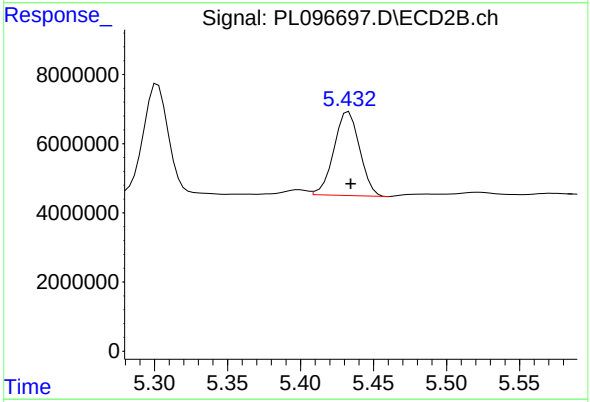
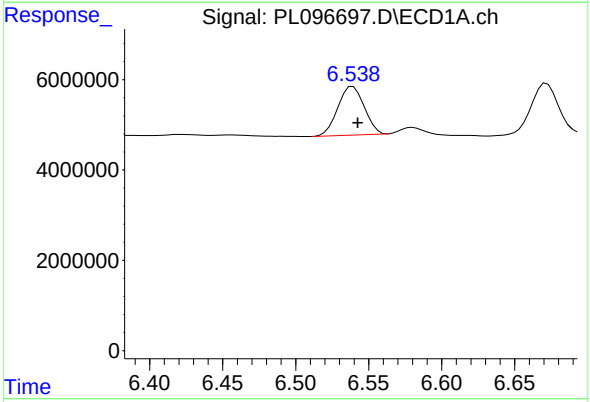


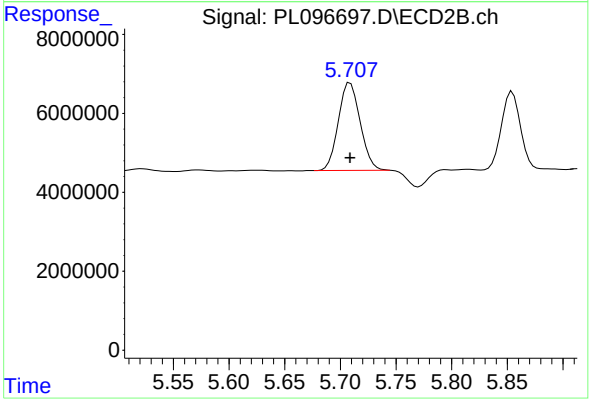
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.001 min
Response: 29700959
Conc: 5.03 ng/ml



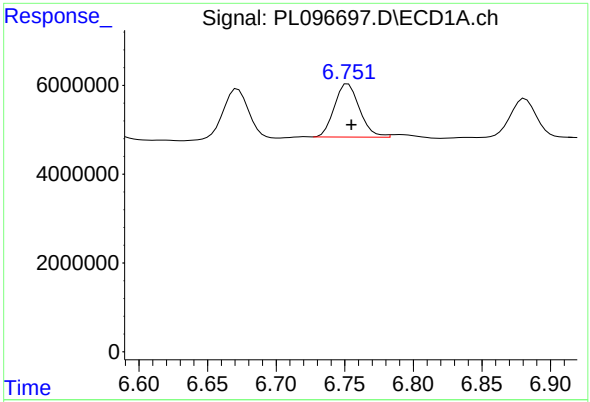
#14 Endrin

R.T.: 6.539 min
Delta R.T.: -0.003 min
Response: 13566585
Conc: 4.48 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 30312515
Conc: 5.61 ng/ml



#15 Endosulfan II

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 15464009
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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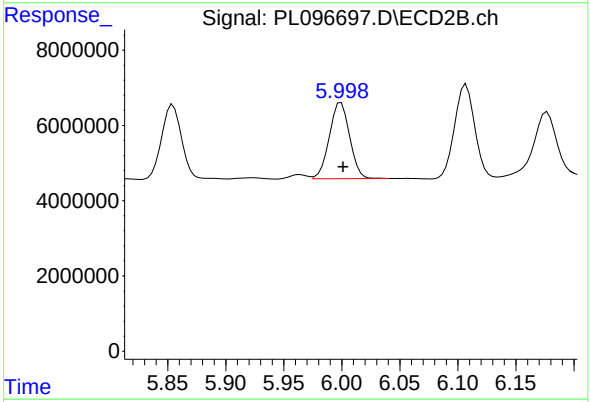
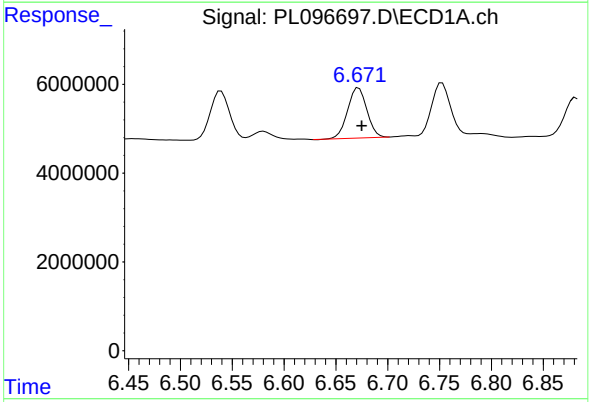


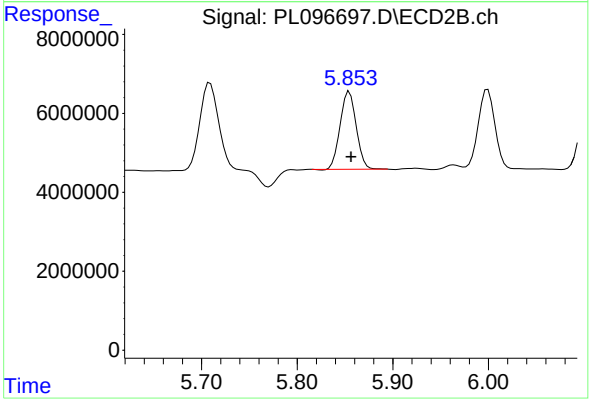
#15 Endosulfan II

R.T.: 5.999 min
Delta R.T.: -0.002 min
Response: 24679735
Conc: 4.81 ng/ml



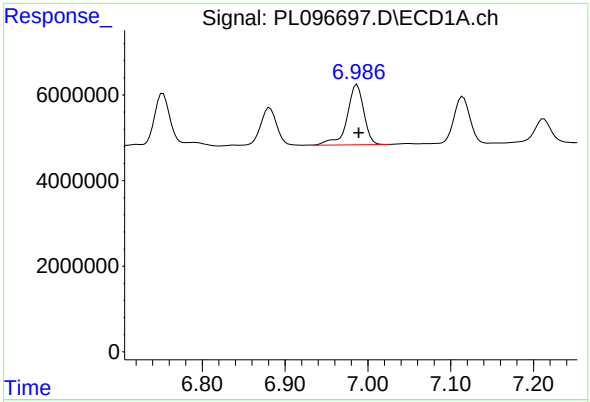
#16 4,4'-DDD

R.T.: 6.672 min
Delta R.T.: -0.003 min
Response: 14622725
Conc: 5.78 ng/ml



#16 4,4'-DDD

R.T.: 5.854 min
Delta R.T.: -0.002 min
Response: 23159489
Conc: 4.92 ng/ml



#17 4,4'-DDT

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 19724770
Conc: 6.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

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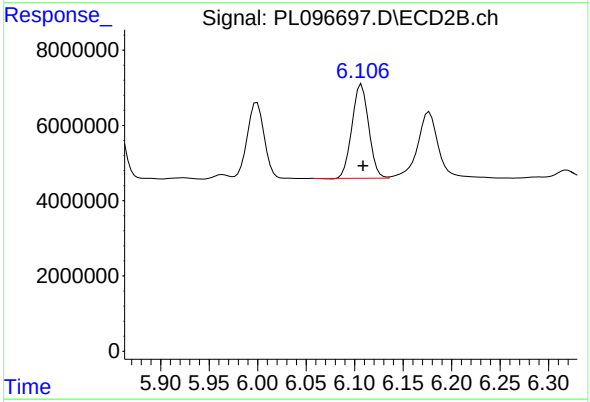
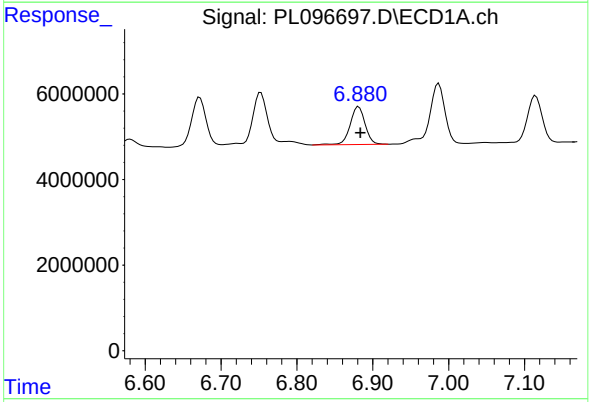


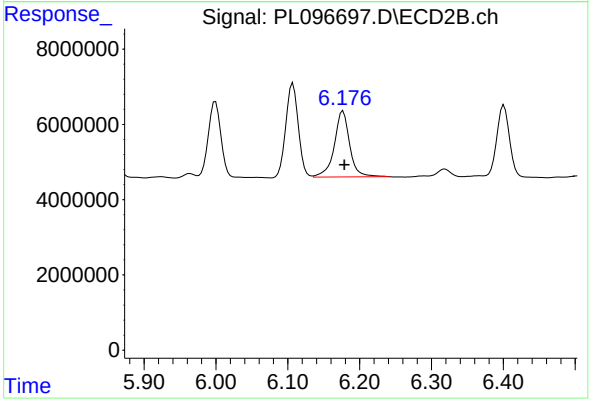
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 29947860
Conc: 5.92 ng/ml



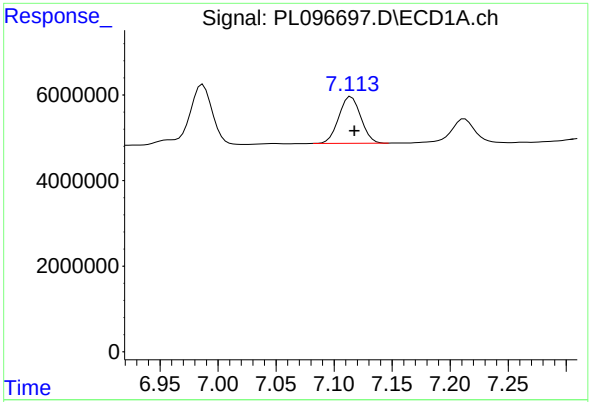
#18 Endrin aldehyde

R.T.: 6.882 min
Delta R.T.: -0.002 min
Response: 12123149
Conc: 5.65 ng/ml



#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 25990117
Conc: 3.96 ng/ml



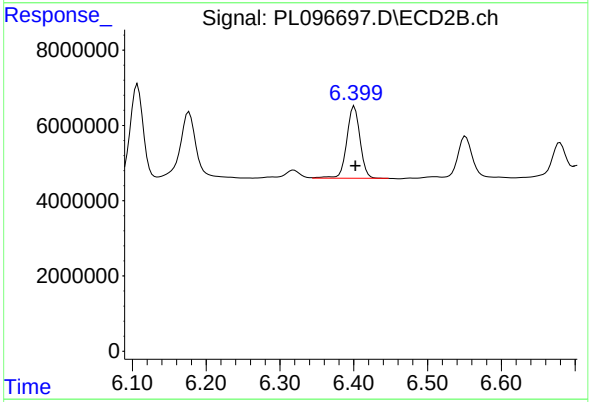
#19 Endosulfan Sulfate

R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 14369153
Conc: 5.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

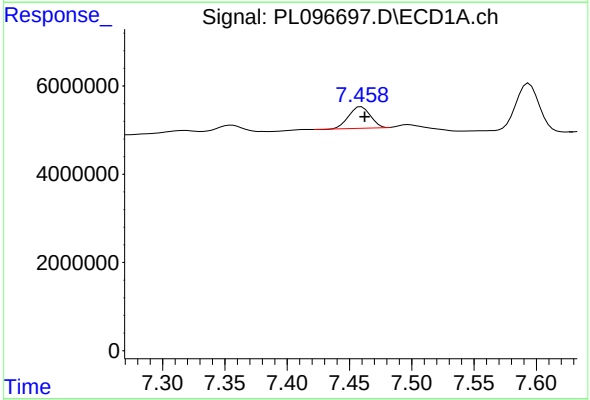
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



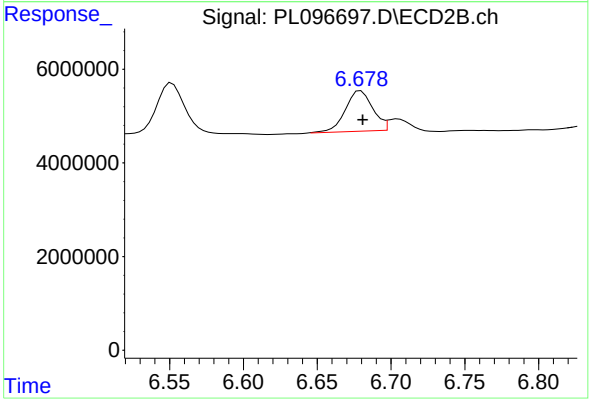
#19 Endosulfan Sulfate

R.T.: 6.401 min
Delta R.T.: -0.001 min
Response: 23969428
Conc: 4.71 ng/ml



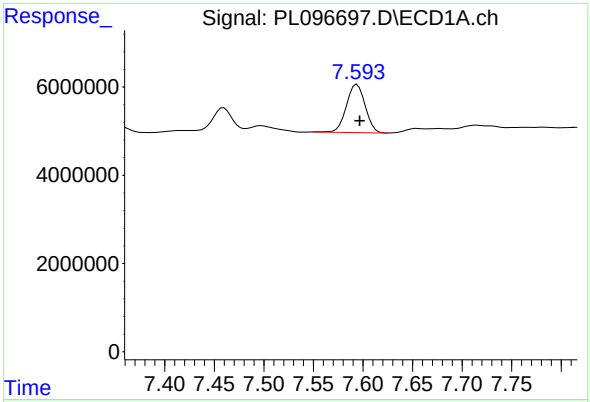
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.003 min
Response: 5913828
Conc: 4.03 ng/ml



#20 Methoxychlor

R.T.: 6.678 min
Delta R.T.: -0.003 min
Response: 11481547
Conc: 4.19 ng/ml m



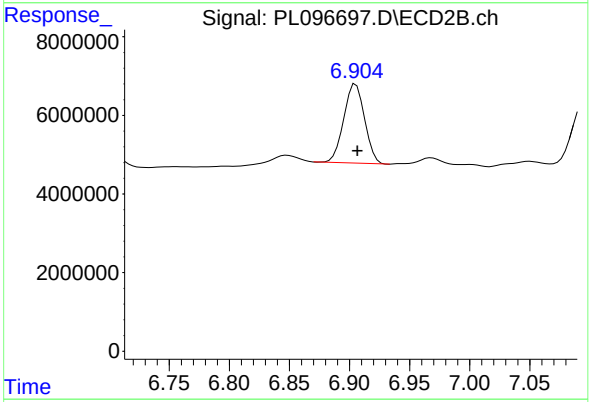
#21 Endrin ketone

R.T.: 7.594 min
Delta R.T.: -0.003 min
Response: 14378949
Conc: 4.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

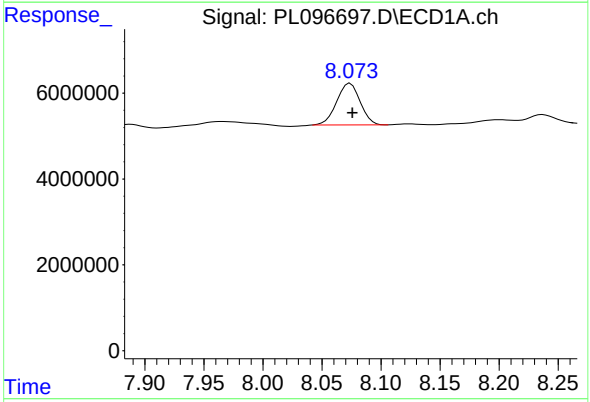
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



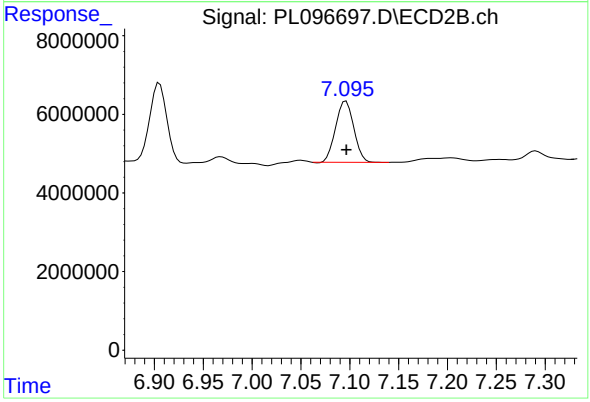
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 24310689
Conc: 4.36 ng/ml



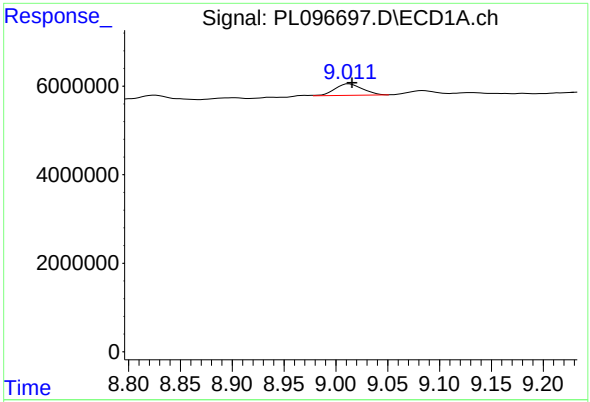
#22 Mirex

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 13459707
Conc: 5.43 ng/ml



#22 Mirex

R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 20157034
Conc: 4.62 ng/ml



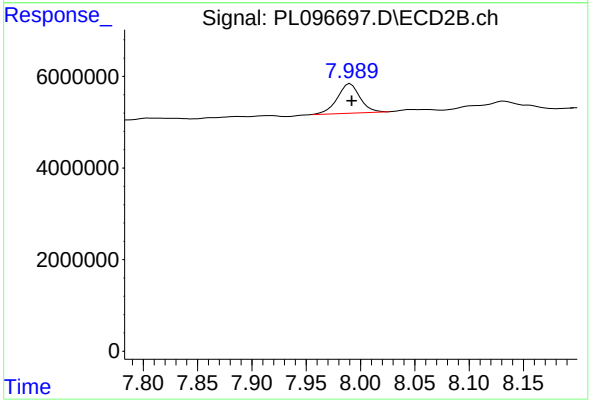
#28 Decachlorobiphenyl

R.T.: 9.011 min
Delta R.T.: -0.005 min
Response: 4794246
Conc: 2.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/05/2025



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.001 min
Response: 9316561
Conc: 2.15 ng/ml

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Manual Integration Report

Sequence:	pd073125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089686.D	4,4"-DDD #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	4,4"-DDE	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	4,4"-DDE #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	Endrin ketone	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	Endrin ketone #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC075	PD089689.D	gamma-BHC (Lindane)	Abdul	8/1/2025 8:28:32 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC005	PD089692.D	4,4"-DDE #2	Abdul	8/1/2025 8:28:35 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC005	PD089692.D	Endrin aldehyde	Abdul	8/1/2025 8:28:35 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd080725	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089767.D	4,4"-DDD #2	Abdul	8/7/2025 9:11:59 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
PEM	PD089767.D	4,4"-DDE	Abdul	8/7/2025 9:11:59 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
PEM	PD089767.D	Endrin ketone	Abdul	8/7/2025 9:11:59 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
PEM	PD089767.D	Endrin ketone #2	Abdul	8/7/2025 9:11:59 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
PTOXCCC500	PD089770.D	Toxaphene-2 #2	Abdul	8/7/2025 9:12:01 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
PTOXCCC500	PD089776.D	Toxaphene-2 #2	Abdul	8/7/2025 9:12:08 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
PTOXCCC500	PD089776.D	Toxaphene-5	Abdul	8/7/2025 9:12:08 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-01	PD089779.D	alpha-Chlordane	Abdul	8/7/2025 9:12:15 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-01	PD089779.D	alpha-Chlordane #2	Abdul	8/7/2025 9:12:15 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-01	PD089779.D	Tetrachloro-m-xylene #2	Abdul	8/7/2025 9:12:15 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-03	PD089780.D	alpha-Chlordane	Abdul	8/7/2025 9:12:18 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-03	PD089780.D	alpha-Chlordane #2	Abdul	8/7/2025 9:12:18 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-03	PD089780.D	gamma-Chlordane	Abdul	8/7/2025 9:12:18 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd080725	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2747-03	PD089780.D	gamma-Chlordane #2	Abdul	8/7/2025 9:12:18 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-05	PD089781.D	alpha-Chlordane	Abdul	8/7/2025 9:12:21 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-05	PD089781.D	alpha-Chlordane #2	Abdul	8/7/2025 9:12:21 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-05	PD089781.D	gamma-Chlordane	Abdul	8/7/2025 9:12:21 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-05	PD089781.D	gamma-Chlordane #2	Abdul	8/7/2025 9:12:21 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-05	PD089781.D	Tetrachloro-m-xylene #2	Abdul	8/7/2025 9:12:21 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
Q2747-07	PD089782.D	gamma-Chlordane	Abdul	8/7/2025 9:12:24 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software
PSTDCCC050	PD089785.D	Endrin aldehyde #2	Abdul	8/7/2025 9:12:31 AM	mohammad	8/8/2025 2:01:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD080825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089788.D	4,4"-DDE	Abdul	8/8/2025 8:21:29 AM	mohammad	8/11/2025 1:55:10	Peak Integrated by Software
PEM	PD089788.D	4,4"-DDE #2	Abdul	8/8/2025 8:21:29 AM	mohammad	8/11/2025 1:55:10	Peak Integrated by Software
Q2747-09	PD089791.D	4,4"-DDE #2	Abdul	8/8/2025 8:21:32 AM	mohammad	8/11/2025 1:55:10	Peak Integrated by Software
Q2747-09	PD089791.D	alpha-Chlordane #2	Abdul	8/8/2025 8:21:32 AM	mohammad	8/11/2025 1:55:10	Peak Integrated by Software
Q2747-09	PD089791.D	gamma-Chlordane	Abdul	8/8/2025 8:21:32 AM	mohammad	8/11/2025 1:55:10	Peak Integrated by Software
Q2747-09	PD089791.D	gamma-Chlordane #2	Abdul	8/8/2025 8:21:32 AM	mohammad	8/11/2025 1:55:10	Peak Integrated by Software
Q2747-09	PD089791.D	Tetrachloro-m-xylene #2	Abdul	8/8/2025 8:21:32 AM	mohammad	8/11/2025 1:55:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl072825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096594.D	4,4"-DDD	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	4,4"-DDD #2	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin aldehyde	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin ketone	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin ketone #2	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
RESCHK	PL096595.D	Endosulfan I #2	Abdul	7/29/2025 9:49:43 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC025	PL096599.D	Endrin aldehyde #2	Abdul	7/29/2025 9:49:47 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC025	PL096599.D	Endrin ketone #2	Abdul	7/29/2025 9:49:47 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Aldrin	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Endosulfan II	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Endrin aldehyde #2	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Heptachlor	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Heptachlor epoxide	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl072825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICV050	PL096611.D	delta-BHC	Abdul	7/29/2025 9:49:55 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl080425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096688.D	4,4"-DDE	Abdul	8/5/2025 9:25:55 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
PEM	PL096688.D	4,4"-DDE #2	Abdul	8/5/2025 9:25:55 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
PEM	PL096688.D	Methoxychlor #2	Abdul	8/5/2025 9:25:55 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
PSTDCCC050	PL096689.D	Aldrin	Abdul	8/5/2025 9:25:58 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
PSTDCCC050	PL096689.D	delta-BHC	Abdul	8/5/2025 9:25:58 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
PSTDCCC050	PL096689.D	Endosulfan II	Abdul	8/5/2025 9:25:58 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
PB169093BS	PL096691.D	delta-BHC	Abdul	8/5/2025 9:26:00 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	4,4"-DDD	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	4,4"-DDD #2	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	4,4"-DDT #2	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	beta-BHC #2	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	Decachlorobiphenyl	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	Decachlorobiphenyl #2	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl080425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2734-01MS	PL096696.D	delta-BHC	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	Heptachlor	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	Methoxychlor #2	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MS	PL096696.D	Tetrachloro-m-xylene	Abdul	8/5/2025 9:26:14 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MSD	PL096697.D	beta-BHC #2	Abdul	8/5/2025 9:26:18 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MSD	PL096697.D	Decachlorobiphenyl	Abdul	8/5/2025 9:26:18 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MSD	PL096697.D	delta-BHC	Abdul	8/5/2025 9:26:18 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MSD	PL096697.D	Endosulfan II	Abdul	8/5/2025 9:26:18 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MSD	PL096697.D	Heptachlor	Abdul	8/5/2025 9:26:18 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MSD	PL096697.D	Methoxychlor #2	Abdul	8/5/2025 9:26:18 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
Q2734-01MSD	PL096697.D	Tetrachloro-m-xylene	Abdul	8/5/2025 9:26:18 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software
PSTDCCC050	PL096699.D	delta-BHC	Abdul	8/5/2025 9:26:21 AM	mohammad	8/5/2025 9:42:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl080425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089684.D	31 Jul 2025 09:13	AR\AJ	Ok
2	I.BLK	PD089685.D	31 Jul 2025 10:33	AR\AJ	Ok
3	PEM	PD089686.D	31 Jul 2025 10:47	AR\AJ	Ok,M
4	RESCHK	PD089687.D	31 Jul 2025 11:34	AR\AJ	Ok
5	PSTDICC100	PD089688.D	31 Jul 2025 11:47	AR\AJ	Ok
6	PSTDICC075	PD089689.D	31 Jul 2025 12:01	AR\AJ	Ok,M
7	PSTDICC050	PD089690.D	31 Jul 2025 12:14	AR\AJ	Ok
8	PSTDICC025	PD089691.D	31 Jul 2025 12:28	AR\AJ	Ok
9	PSTDICC005	PD089692.D	31 Jul 2025 12:41	AR\AJ	Ok,M
10	PCHLORICC1000	PD089693.D	31 Jul 2025 12:56	AR\AJ	Ok
11	PCHLORICC750	PD089694.D	31 Jul 2025 13:09	AR\AJ	Ok
12	PCHLORICC500	PD089695.D	31 Jul 2025 13:23	AR\AJ	Ok
13	PCHLORICC250	PD089696.D	31 Jul 2025 13:36	AR\AJ	Ok
14	PCHLORICC050	PD089697.D	31 Jul 2025 13:50	AR\AJ	Ok
15	PTOXICC1000	PD089698.D	31 Jul 2025 14:03	AR\AJ	Ok
16	PTOXICC750	PD089699.D	31 Jul 2025 14:17	AR\AJ	Ok
17	PTOXICC500	PD089700.D	31 Jul 2025 14:31	AR\AJ	Ok
18	PTOXICC250	PD089701.D	31 Jul 2025 14:44	AR\AJ	Ok,M
19	PTOXICC100	PD089702.D	31 Jul 2025 14:58	AR\AJ	Ok,M
20	PSTDICV050	PD089703.D	31 Jul 2025 15:11	AR\AJ	Ok
21	PCHLORICV500	PD089704.D	31 Jul 2025 15:25	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PD089705.D	31 Jul 2025 15:39	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD080725

Review By	Abdul	Review On	8/7/2025 9:12:52 AM		
Supervise By	mohammad	Supervise On	8/8/2025 2:01:16 AM		
SubDirectory	PD080725	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089765.D	06 Aug 2025 08:19	AR\AJ	Ok
2	I.BLK	PD089766.D	06 Aug 2025 08:33	AR\AJ	Ok
3	PEM	PD089767.D	06 Aug 2025 09:36	AR\AJ	Ok,M
4	PSTDCCC050	PD089768.D	06 Aug 2025 10:05	AR\AJ	Ok
5	PCHLORCCC500	PD089769.D	06 Aug 2025 14:05	AR\AJ	Ok
6	PTOXCCC500	PD089770.D	06 Aug 2025 14:18	AR\AJ	Ok,M
7	PB169093BS	PD089771.D	06 Aug 2025 16:17	AR\AJ	Ok
8	PB169093BS	PD089772.D	06 Aug 2025 16:47	AR\AJ	Ok,M
9	I.BLK	PD089773.D	06 Aug 2025 17:01	AR\AJ	Ok
10	PSTDCCC050	PD089774.D	06 Aug 2025 17:14	AR\AJ	Ok
11	PCHLORCCC500	PD089775.D	06 Aug 2025 17:28	AR\AJ	Ok
12	PTOXCCC500	PD089776.D	06 Aug 2025 17:42	AR\AJ	Ok,M
13	PB169093BL	PD089777.D	06 Aug 2025 17:55	AR\AJ	Ok
14	PB169093BS	PD089778.D	06 Aug 2025 18:09	AR\AJ	Not Ok
15	Q2747-01	PD089779.D	06 Aug 2025 18:23	AR\AJ	Ok,M
16	Q2747-03	PD089780.D	06 Aug 2025 18:36	AR\AJ	Ok,M
17	Q2747-05	PD089781.D	06 Aug 2025 18:50	AR\AJ	Ok,M
18	Q2747-07	PD089782.D	06 Aug 2025 19:04	AR\AJ	Ok,M
19	Q2747-09	PD089783.D	06 Aug 2025 19:17	AR\AJ	Not Ok
20	I.BLK	PD089784.D	06 Aug 2025 19:31	AR\AJ	Ok
21	PSTDCCC050	PD089785.D	06 Aug 2025 19:45	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD080825

Review By	Abdul	Review On	8/8/2025 8:22:27 AM		
Supervise By	mohammad	Supervise On	8/11/2025 1:55:10 AM		
SubDirectory	PD080825	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089786.D	07 Aug 2025 09:28	AR\AJ	Ok
2	I.BLK	PD089787.D	07 Aug 2025 09:41	AR\AJ	Ok
3	PEM	PD089788.D	07 Aug 2025 09:55	AR\AJ	Ok,M
4	PSTDCCC050	PD089789.D	07 Aug 2025 10:50	AR\AJ	Ok
5	PB169093BS	PD089790.D	07 Aug 2025 11:03	AR\AJ	Ok
6	Q2747-09	PD089791.D	07 Aug 2025 11:17	AR\AJ	Ok,M
7	I.BLK	PD089792.D	07 Aug 2025 11:30	AR\AJ	Ok
8	PSTDCCC050	PD089793.D	07 Aug 2025 11:44	AR\AJ	Ok
9	PB169153BL	PD089794.D	07 Aug 2025 12:07	AR\AJ	Ok,M
10	PB169153BS	PD089795.D	07 Aug 2025 12:21	AR\AJ	Ok
11	Q2784-01	PD089796.D	07 Aug 2025 12:34	AR\AJ	Ok,M
12	Q2783-01	PD089797.D	07 Aug 2025 12:48	AR\AJ	Ok,M
13	Q2786-01	PD089798.D	07 Aug 2025 13:02	AR\AJ	Ok,M
14	Q2786-04	PD089799.D	07 Aug 2025 13:15	AR\AJ	Ok,M
15	Q2788-01	PD089800.D	07 Aug 2025 13:30	AR\AJ	Ok,M
16	Q2779-01	PD089801.D	07 Aug 2025 14:24	AR\AJ	Ok,M
17	Q2779-01MS	PD089802.D	07 Aug 2025 14:38	AR\AJ	Ok,M
18	Q2779-01MSD	PD089803.D	07 Aug 2025 15:01	AR\AJ	Ok,M
19	Q2779-05	PD089804.D	07 Aug 2025 15:15	AR\AJ	Ok,M
20	I.BLK	PD089805.D	07 Aug 2025 15:28	AR\AJ	Ok
21	PSTDCCC050	PD089806.D	07 Aug 2025 18:44	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM		
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM		
SubDirectory	PL072825	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096592.D	28 Jul 2025 15:57	AR\AJ	Ok
2	I.BLK	PL096593.D	28 Jul 2025 16:11	AR\AJ	Ok
3	PEM	PL096594.D	28 Jul 2025 16:25	AR\AJ	Ok,M
4	RESCHK	PL096595.D	28 Jul 2025 16:38	AR\AJ	Ok,M
5	PSTDICC100	PL096596.D	28 Jul 2025 16:52	AR\AJ	Ok
6	PSTDICC075	PL096597.D	28 Jul 2025 17:06	AR\AJ	Ok
7	PSTDICC050	PL096598.D	28 Jul 2025 17:19	AR\AJ	Ok
8	PSTDICC025	PL096599.D	28 Jul 2025 17:33	AR\AJ	Ok,M
9	PSTDICC005	PL096600.D	28 Jul 2025 17:47	AR\AJ	Ok,M
10	PCHLORICC1000	PL096601.D	28 Jul 2025 18:00	AR\AJ	Ok
11	PCHLORICC750	PL096602.D	28 Jul 2025 18:14	AR\AJ	Ok
12	PCHLORICC500	PL096603.D	28 Jul 2025 18:27	AR\AJ	Ok
13	PCHLORICC250	PL096604.D	28 Jul 2025 18:41	AR\AJ	Ok
14	PCHLORICC050	PL096605.D	28 Jul 2025 18:55	AR\AJ	Ok
15	PTOXICC1000	PL096606.D	28 Jul 2025 19:08	AR\AJ	Ok
16	PTOXICC750	PL096607.D	28 Jul 2025 19:22	AR\AJ	Ok
17	PTOXICC500	PL096608.D	28 Jul 2025 19:36	AR\AJ	Ok
18	PTOXICC250	PL096609.D	28 Jul 2025 19:49	AR\AJ	Ok
19	PTOXICC100	PL096610.D	28 Jul 2025 20:03	AR\AJ	Ok
20	PSTDICV050	PL096611.D	28 Jul 2025 20:17	AR\AJ	Ok,M
21	PCHLORICV500	PL096612.D	28 Jul 2025 20:30	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM		
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM		
SubDirectory	PL072825	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL096613.D	28 Jul 2025 20:44	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL080425

Review By	Abdul	Review On	8/6/2025 8:26:01 AM		
Supervise By	mohammad	Supervise On	8/11/2025 6:43:18 AM		
SubDirectory	PL080425	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096686.D	04 Aug 2025 09:03	AR\AJ	Ok
2	I.BLK	PL096687.D	04 Aug 2025 09:17	AR\AJ	Ok
3	PEM	PL096688.D	04 Aug 2025 09:30	AR\AJ	Ok,M
4	PSTDCCC050	PL096689.D	04 Aug 2025 10:07	AR\AJ	Ok,M
5	PB169093BL	PL096690.D	04 Aug 2025 12:30	AR\AJ	Ok
6	PB169093BS	PL096691.D	04 Aug 2025 12:52	AR\AJ	Ok,M
7	Q2740-01	PL096692.D	04 Aug 2025 13:20	AR\AJ	Ok,M
8	Q2741-01	PL096693.D	04 Aug 2025 13:34	AR\AJ	Ok,M
9	Q2753-01	PL096694.D	04 Aug 2025 13:47	AR\AJ	Ok
10	Q2734-01	PL096695.D	04 Aug 2025 14:09	AR\AJ	Ok,M
11	Q2734-01MS	PL096696.D	04 Aug 2025 14:22	AR\AJ	Ok,M
12	Q2734-01MSD	PL096697.D	04 Aug 2025 14:36	AR\AJ	Ok,M
13	I.BLK	PL096698.D	04 Aug 2025 14:50	AR\AJ	Ok
14	PSTDCCC050	PL096699.D	04 Aug 2025 15:03	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089684.D	31 Jul 2025 09:13		AR\AJ	Ok
2	I.BLK	I.BLK	PD089685.D	31 Jul 2025 10:33		AR\AJ	Ok
3	PEM	PEM	PD089686.D	31 Jul 2025 10:47		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089687.D	31 Jul 2025 11:34		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089688.D	31 Jul 2025 11:47		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD089689.D	31 Jul 2025 12:01		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PD089690.D	31 Jul 2025 12:14		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089691.D	31 Jul 2025 12:28		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089692.D	31 Jul 2025 12:41		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD089693.D	31 Jul 2025 12:56		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD089694.D	31 Jul 2025 13:09		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089695.D	31 Jul 2025 13:23		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089696.D	31 Jul 2025 13:36		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089697.D	31 Jul 2025 13:50		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089698.D	31 Jul 2025 14:03		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089699.D	31 Jul 2025 14:17		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089700.D	31 Jul 2025 14:31		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089701.D	31 Jul 2025 14:44		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PD089702.D	31 Jul 2025 14:58		AR\AJ	Ok,M
20	PSTDICV050	ICVPD073125	PD089703.D	31 Jul 2025 15:11		AR\AJ	Ok
21	PCHLORICV500	ICVPD073125CHLOR	PD089704.D	31 Jul 2025 15:25		AR\AJ	Ok
22	PTOXICV500	ICVPD073125TOX	PD089705.D	31 Jul 2025 15:39		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD080725

Review By	Abdul	Review On	8/7/2025 9:12:52 AM		
Supervise By	mohammad	Supervise On	8/8/2025 2:01:16 AM		
SubDirectory	PD080725	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089765.D	06 Aug 2025 08:19		AR\AJ	Ok
2	I.BLK	I.BLK	PD089766.D	06 Aug 2025 08:33		AR\AJ	Ok
3	PEM	PEM	PD089767.D	06 Aug 2025 09:36		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089768.D	06 Aug 2025 10:05		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PD089769.D	06 Aug 2025 14:05		AR\AJ	Ok
6	PTOXCCC500	PTOXCCC500	PD089770.D	06 Aug 2025 14:18		AR\AJ	Ok,M
7	PB169093BS	PB169093BS	PD089771.D	06 Aug 2025 16:17	CHLOR BS	AR\AJ	Ok
8	PB169093BS	PB169093BS	PD089772.D	06 Aug 2025 16:47	TOX BS	AR\AJ	Ok,M
9	I.BLK	I.BLK	PD089773.D	06 Aug 2025 17:01		AR\AJ	Ok
10	PSTDCCC050	PSTDCCC050	PD089774.D	06 Aug 2025 17:14	Comp#18 high in 2nd column	AR\AJ	Ok
11	PCHLORCCC500	PCHLORCCC500	PD089775.D	06 Aug 2025 17:28		AR\AJ	Ok
12	PTOXCCC500	PTOXCCC500	PD089776.D	06 Aug 2025 17:42		AR\AJ	Ok,M
13	PB169093BL	PB169093BL	PD089777.D	06 Aug 2025 17:55		AR\AJ	Ok
14	PB169093BS	PB169093BS	PD089778.D	06 Aug 2025 18:09	F Flag in 2nd column	AR\AJ	Not Ok
15	Q2747-01	OU4-TS-GRILLO-OG2-	PD089779.D	06 Aug 2025 18:23		AR\AJ	Ok,M
16	Q2747-03	OU4-TS-GRILLO-OG3-	PD089780.D	06 Aug 2025 18:36		AR\AJ	Ok,M
17	Q2747-05	OU4-TS-GRILLO-OG4-	PD089781.D	06 Aug 2025 18:50		AR\AJ	Ok,M
18	Q2747-07	OU4-TS-GRILLO-TSCF	PD089782.D	06 Aug 2025 19:04		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD080725

Review By	Abdul	Review On	8/7/2025 9:12:52 AM		
Supervise By	mohammad	Supervise On	8/8/2025 2:01:16 AM		
SubDirectory	PD080725	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2747-09	OU4-TS-GRILLO-TSCF	PD089783.D	06 Aug 2025 19:17	DCB and TCMX low in 1st column	AR\AJ	Not Ok
20	I.BLK	I.BLK	PD089784.D	06 Aug 2025 19:31		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PD089785.D	06 Aug 2025 19:45		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD080825

Review By	Abdul	Review On	8/8/2025 8:22:27 AM		
Supervise By	mohammad	Supervise On	8/11/2025 1:55:10 AM		
SubDirectory	PD080825	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089786.D	07 Aug 2025 09:28		AR\AJ	Ok
2	I.BLK	I.BLK	PD089787.D	07 Aug 2025 09:41		AR\AJ	Ok
3	PEM	PEM	PD089788.D	07 Aug 2025 09:55		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089789.D	07 Aug 2025 10:50		AR\AJ	Ok
5	PB169093BS	PB169093BS	PD089790.D	07 Aug 2025 11:03		AR\AJ	Ok
6	Q2747-09	OU4-TS-GRILLO-TSCF	PD089791.D	07 Aug 2025 11:17	DCB low in 1st column	AR\AJ	Ok,M
7	I.BLK	I.BLK	PD089792.D	07 Aug 2025 11:30		AR\AJ	Ok
8	PSTDCCC050	PSTDCCC050	PD089793.D	07 Aug 2025 11:44		AR\AJ	Ok
9	PB169153BL	PB169153BL	PD089794.D	07 Aug 2025 12:07		AR\AJ	Ok,M
10	PB169153BS	PB169153BS	PD089795.D	07 Aug 2025 12:21		AR\AJ	Ok
11	Q2784-01	EO-01-080625	PD089796.D	07 Aug 2025 12:34		AR\AJ	Ok,M
12	Q2783-01	RT5414	PD089797.D	07 Aug 2025 12:48		AR\AJ	Ok,M
13	Q2786-01	PL-01-08062025	PD089798.D	07 Aug 2025 13:02		AR\AJ	Ok,M
14	Q2786-04	PL-03-08062025	PD089799.D	07 Aug 2025 13:15		AR\AJ	Ok,M
15	Q2788-01	OK-01-08062025	PD089800.D	07 Aug 2025 13:30		AR\AJ	Ok,M
16	Q2779-01	TP-4	PD089801.D	07 Aug 2025 14:24		AR\AJ	Ok,M
17	Q2779-01MS	TP-4MS	PD089802.D	07 Aug 2025 14:38		AR\AJ	Ok,M
18	Q2779-01MSD	TP-4MSD	PD089803.D	07 Aug 2025 15:01		AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD080825

Review By	Abdul	Review On	8/8/2025 8:22:27 AM		
Supervise By	mohammad	Supervise On	8/11/2025 1:55:10 AM		
SubDirectory	PD080825	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2779-05	TP-5	PD089804.D	07 Aug 2025 15:15		AR\AJ	Ok,M
20	I.BLK	I.BLK	PD089805.D	07 Aug 2025 15:28		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PD089806.D	07 Aug 2025 18:44	Comp#20 low in 1st column	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM		
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM		
SubDirectory	PL072825	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096592.D	28 Jul 2025 15:57		AR\AJ	Ok
2	I.BLK	I.BLK	PL096593.D	28 Jul 2025 16:11		AR\AJ	Ok
3	PEM	PEM	PL096594.D	28 Jul 2025 16:25		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL096595.D	28 Jul 2025 16:38		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL096596.D	28 Jul 2025 16:52		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL096597.D	28 Jul 2025 17:06		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL096598.D	28 Jul 2025 17:19	Comp#18 kept on L.R. for 2nd column	AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL096599.D	28 Jul 2025 17:33		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL096600.D	28 Jul 2025 17:47		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL096601.D	28 Jul 2025 18:00		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL096602.D	28 Jul 2025 18:14		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL096603.D	28 Jul 2025 18:27		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL096604.D	28 Jul 2025 18:41		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL096605.D	28 Jul 2025 18:55		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL096606.D	28 Jul 2025 19:08		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL096607.D	28 Jul 2025 19:22		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL096608.D	28 Jul 2025 19:36		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM		
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM		
SubDirectory	PL072825	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PTOXICC250	PTOXICC250	PL096609.D	28 Jul 2025 19:49		AR\AJ	Ok
19	PTOXICC100	PTOXICC100	PL096610.D	28 Jul 2025 20:03		AR\AJ	Ok
20	PSTDICV050	ICVPL072825	PL096611.D	28 Jul 2025 20:17		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL072825CHLOR	PL096612.D	28 Jul 2025 20:30		AR\AJ	Ok
22	PTOXICV500	ICVPL072825TOX	PL096613.D	28 Jul 2025 20:44		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL080425

Review By	Abdul	Review On	8/6/2025 8:26:01 AM		
Supervise By	mohammad	Supervise On	8/11/2025 6:43:18 AM		
SubDirectory	PL080425	HP Acquire Method		HP Processing Method	pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096686.D	04 Aug 2025 09:03		AR\AJ	Ok
2	I.BLK	I.BLK	PL096687.D	04 Aug 2025 09:17		AR\AJ	Ok
3	PEM	PEM	PL096688.D	04 Aug 2025 09:30		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096689.D	04 Aug 2025 10:07		AR\AJ	Ok,M
5	PB169093BL	PB169093BL	PL096690.D	04 Aug 2025 12:30		AR\AJ	Ok
6	PB169093BS	PB169093BS	PL096691.D	04 Aug 2025 12:52		AR\AJ	Ok,M
7	Q2740-01	OR-02-07312025	PL096692.D	04 Aug 2025 13:20		AR\AJ	Ok,M
8	Q2741-01	TR-05-07312025	PL096693.D	04 Aug 2025 13:34		AR\AJ	Ok,M
9	Q2753-01	289	PL096694.D	04 Aug 2025 13:47		AR\AJ	Ok
10	Q2734-01	VNJ-253	PL096695.D	04 Aug 2025 14:09		AR\AJ	Ok,M
11	Q2734-01MS	VNJ-253MS	PL096696.D	04 Aug 2025 14:22		AR\AJ	Ok,M
12	Q2734-01MSD	VNJ-253MSD	PL096697.D	04 Aug 2025 14:36	4,4-DDE recovery fail , RPD Fail	AR\AJ	Ok,M
13	I.BLK	I.BLK	PL096698.D	04 Aug 2025 14:50		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PL096699.D	04 Aug 2025 15:03		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/4/2025

OVENTEMP IN Celsius(°C): 106
Time IN: 16:15
In Date: 08/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:14
Out Date: 08/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136681

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
Q2744-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2744-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2744-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2744-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2744-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2744-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2747-01	OU4-TS-GRILLO-OG2-073125	7	1.17	10.04	11.21	8.77	75.7	
Q2747-03	OU4-TS-GRILLO-OG3-073125	8	1.16	10.28	11.44	9.14	77.6	
Q2747-05	OU4-TS-GRILLO-OG4-073125	9	1.17	10.36	11.53	9.51	80.5	
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	10	1.16	10.07	11.23	7.85	66.4	
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	11	1.18	10.08	11.26	7.6	63.7	
Q2753-01	289	12	1.17	10.62	11.79	10.99	92.5	
Q2754-01	OILY-RAGS	13	1.00	1.00	2.00	2.00	100.0	oily-rags
Q2755-01	80125-A	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2755-02	80125-B	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB 136681

WorkList Name : % SOLID-080125 **WorkList ID :** 191065 **Department :** Wet-Chemistry **Date :** 08-01-2025 15:30:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2744-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-07	OU4-TS-GRILLO-TSCP01-0731	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-09	OU4-TS-GRILLO-TSCP02-0731	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2753-01	289	Solid	Percent Solids	Cool 4 deg C	PSEG01	D41	08/01/2025	Chemtech -SO
Q2754-01	OILY-RAGS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO
Q2755-01	80125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO
Q2755-02	80125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO

Date/Time 08/01/25 15:50
Raw Sample Received by: 12(WC)
Raw Sample Relinquished by: CP SM

Date/Time 08/01/25 16:25
Raw Sample Received by: CP SM
Raw Sample Relinquished by: 12(WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169093

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	08/04/2025
Matrix :	Solid			**Extraction Start Time :**	08:55
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/04/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
Spike Sol 2	2.0ML	1000 PPB	PP24622
Spike Sol 3	2.0ML	1000 PPB	PP24621
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2627
Baked Na2SO4	N/A	EP2629
Sand	N/A	E3951
Hexane	N/A	E3956
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

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
8/4/25	RS (Ext lab)	Y.P.RSH/PCB.
12:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169093

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 08/04/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169093BL	PBLK093	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10			U1-1
PB169093BS	PLCS093	Pesticide-TCL	30.00	N/A	ritesh	RUPESH	10			2
Q2734-01	VNJ-253	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		3
Q2734-01MS	VNJ-253MS	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	E		4
Q2734-01MSD	VNJ-253MSD	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2740-01	OR-02-07312025	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		6
Q2741-01	TR-05-07312025	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10	E		U2-1
Q2747-01	OU4-TS-GRILLO-OG2-073125	Pesticide-TCL	30.05	N/A	ritesh	RUPESH	10	E		2
Q2747-03	OU4-TS-GRILLO-OG3-073125	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	E		3
Q2747-05	OU4-TS-GRILLO-OG4-073125	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		4
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		5
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		6
Q2753-01	289	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		U3-1

RS 8/4

* **Extracts relinquished on the same date as received.**

1691093 8:55

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2741P **WorkList ID :** 191075 **Department :** Extraction **Date :** 08-04-2025 08:30:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2734-01	VNJ-253	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	07/31/2025	8081B
Q2740-01	OR-02-07312025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D21	07/31/2025	8081B
Q2741-01	TR-05-07312025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D21	07/31/2025	8081B
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O32	07/31/2025	8081B
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O32	07/31/2025	8081B
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O32	07/31/2025	8081B
Q2747-07	OU4-TS-GRILLO-TSCP01-073'	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O32	07/31/2025	8081B
Q2747-09	OU4-TS-GRILLO-TSCP02-073'	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O32	07/31/2025	8081B
Q2753-01	289	Solid	Pesticide-TCL	Cool 4 deg C	PSEG01		08/01/2025	8081B

Date/Time 08/04/25 8:50
Raw Sample Received by: RJ (Lab-Lab)
Raw Sample Relinquished by: SM

Date/Time 08/04/25 9:05
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Lab-Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2747

Test : Pesticide-TCL

Prepbatch ID : PB169093,

Sequence ID/Qc Batch ID: pd080725,PD080825,pl080425,

Standard ID :
EP2627,EP2629,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24329,PP24433,PP24621,PP24622,PP24627,PP24651,PP24663,

Chemical ID :
E3875,E3877,E3914,E3927,E3937,E3941,E3944,E3949,E3950,E3951,E3956,P12603,P 12611,P13037,P13040,P13195,P13246,P13356,P13405,P13785,P13786,P13861,P9052,W3177,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2627	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000ml of E3949 + 4000.00000ml of E3950 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2629	07/28/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/28/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24621	06/04/2025	09/10/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 0.10000ml of P13861 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24622	06/04/2025	09/09/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 0.10000ml of P12611 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24627	06/10/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 95.00000ml of E3937 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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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	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/22/2025	05/22/2025 / RUPESH	05/14/2025 / RUPESH	E3937

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

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	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

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	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

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	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

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	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

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	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

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	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

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	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_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 foreing 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

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E 3875

Certificate of Analysis

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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 RP on 2/12/25
E3877

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.

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
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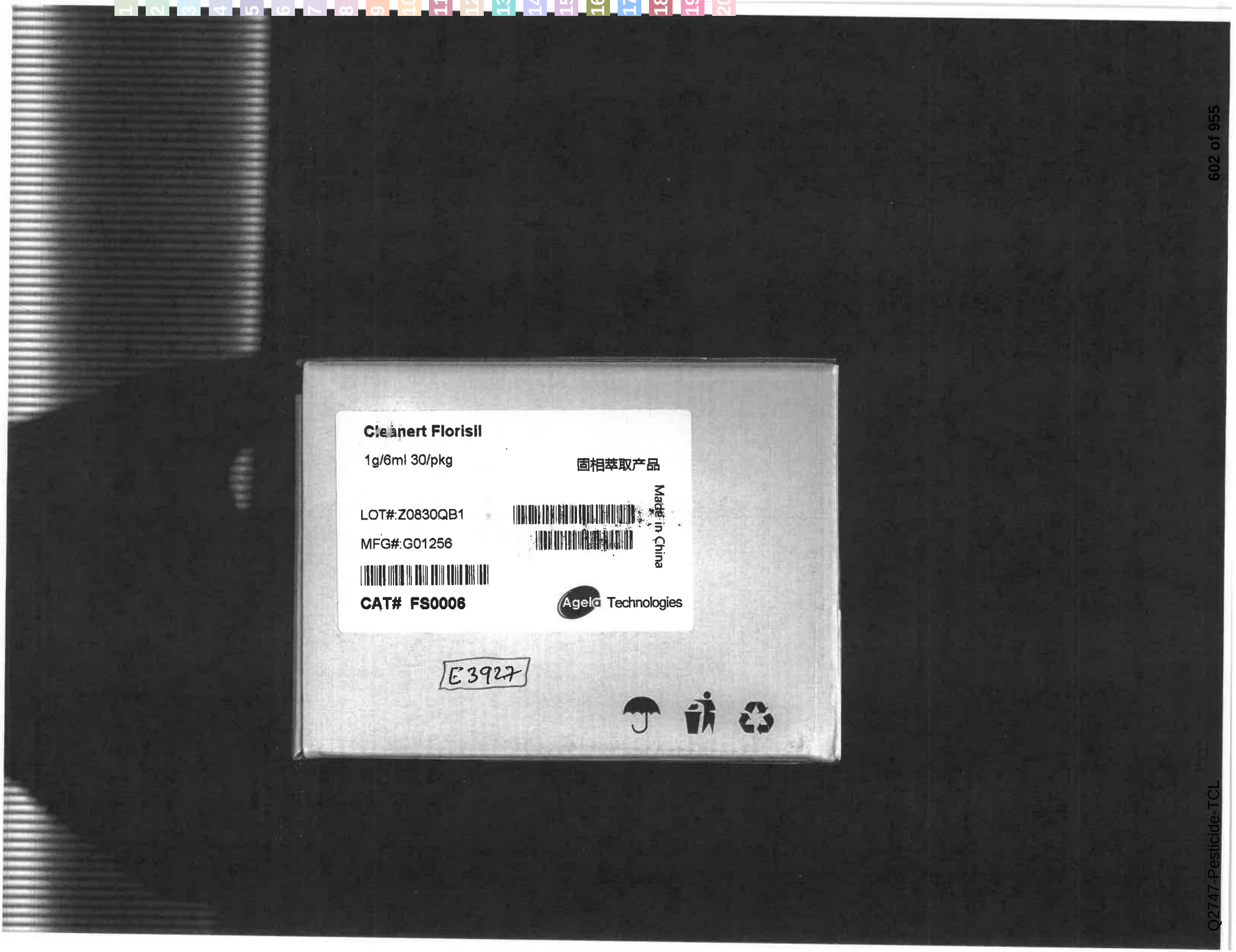
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25

E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:Z0830QB1
MFG#:G01256
Made in China
CAT# FS0006
Agela Technologies
E3927

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

E3937

JCroak
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

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd. by RI on 6/11/25

E3941

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

Read on 7/2/25

E3949

JCroak
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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

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) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Read on 7/02/25

JCroak
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

VWR®
BDH® CHEMICALS

Certificate of Analysis

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	SiO2
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 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

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) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recieved on 7/16/25

E3956

JCroak
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

RESTEK
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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P12614 & P12615 Five

7/3/2023

Catalog No. : 32021 **Lot No.:** A0193299

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2029 **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	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,010.0 µg/mL	+/- 56.0475

* 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.)

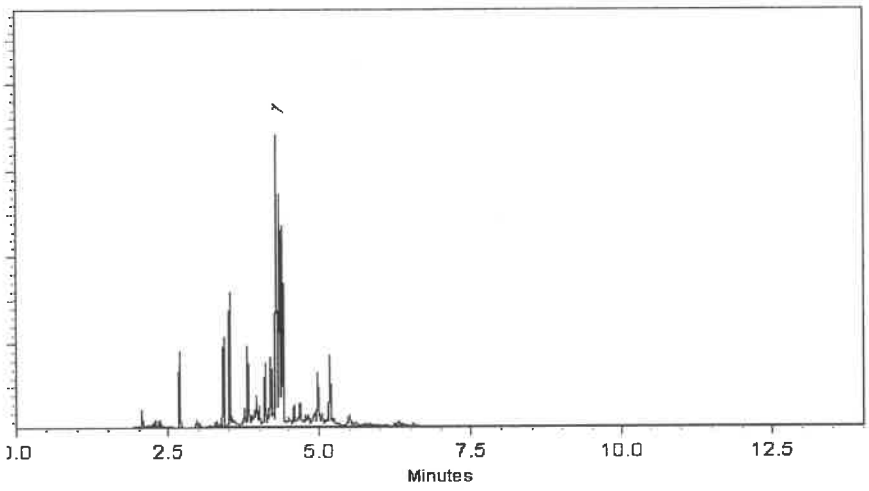
Inj. Temp:
250°C

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.

Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12691 ↓ P12695

7/3/2023

RESTEK
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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P130397 } 5
↓
P130431

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

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
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.)

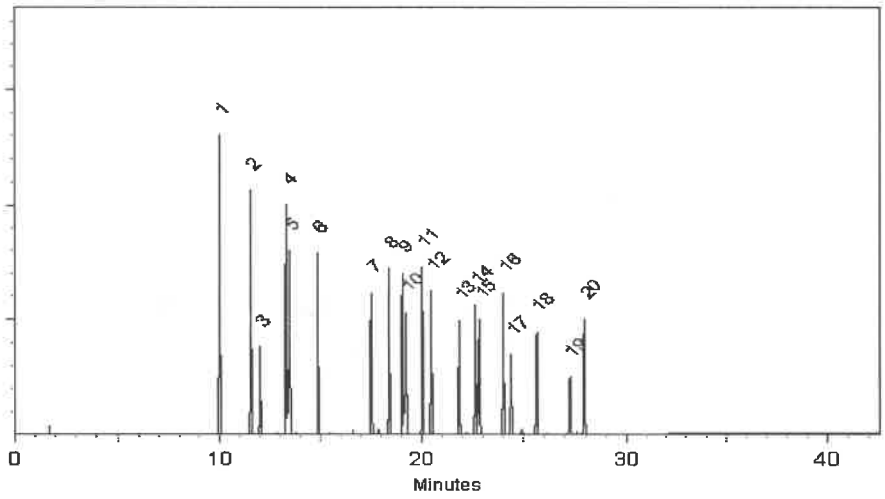
Inj. Temp:
200°C

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 - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone **Lot#** 81025

Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.006 Flask Uncertainty

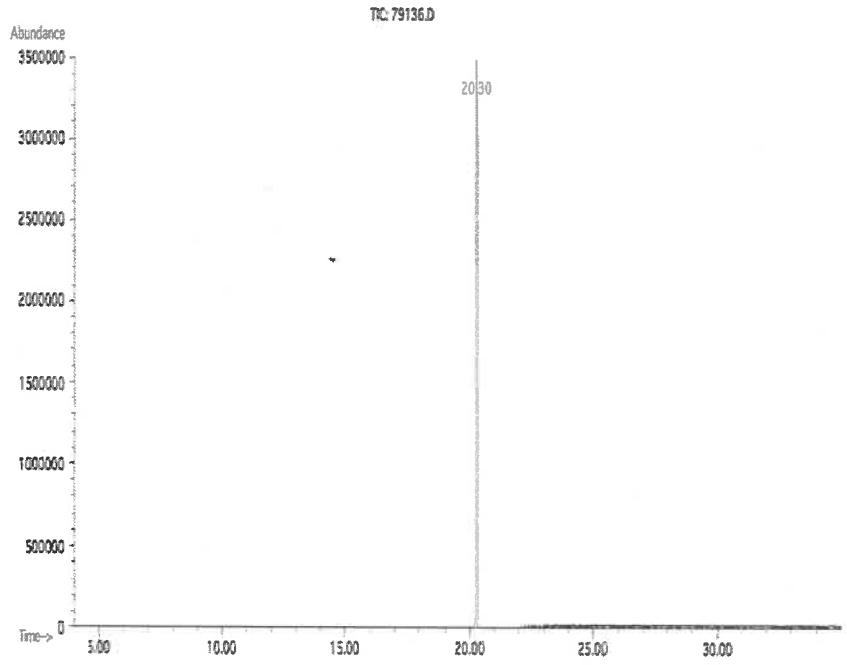
Weight(s) shown below were combined and diluted to (mL): 50.0

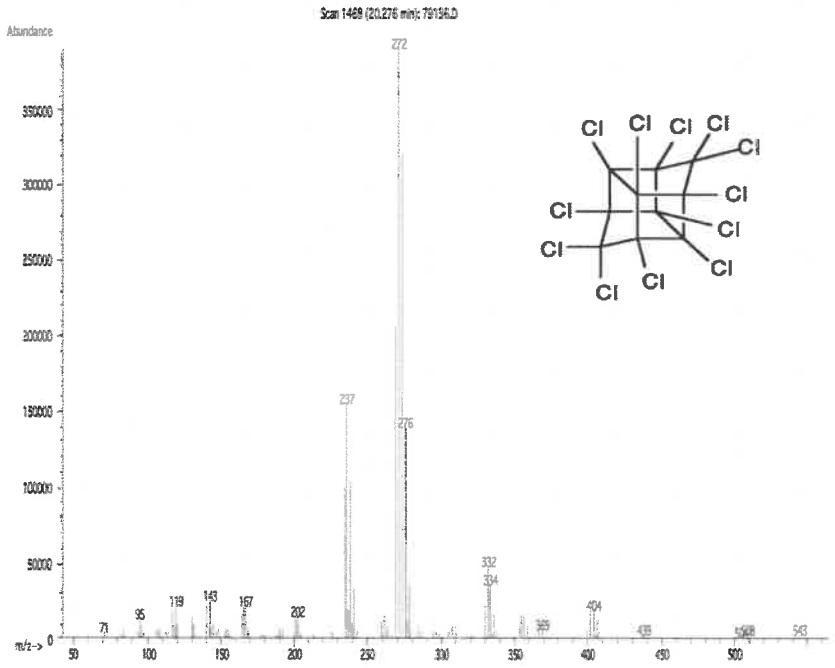
Formulated By: Prashant Chauhan 042022 DATE

Reviewed By: Pedro L. Rentas 042022 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	orl-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)
|

01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12603 (3)
↓
P12605
7/3/2023

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

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.)

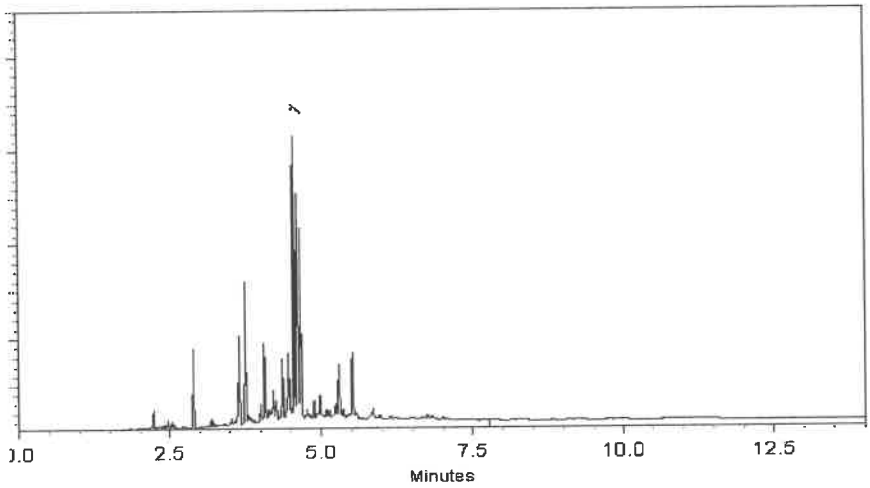
Inj. Temp:
250°C

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

P 12603 & P 12605 (3)

7/3/2023

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 13034 } 5
P 13038 }

12.26.2023

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

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) 5
↓
P13038 1

12/26/2023

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.)

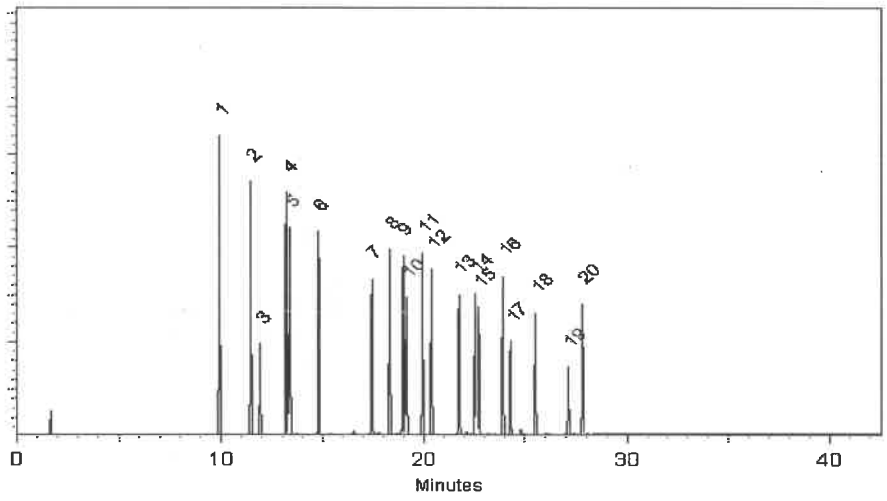
Inj. Temp:
200°C

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.

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.021 Flask Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 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)	orl-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)	orl-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	orl-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)	orl-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	orl-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	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 & P13247 (5)

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10)
↓
P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

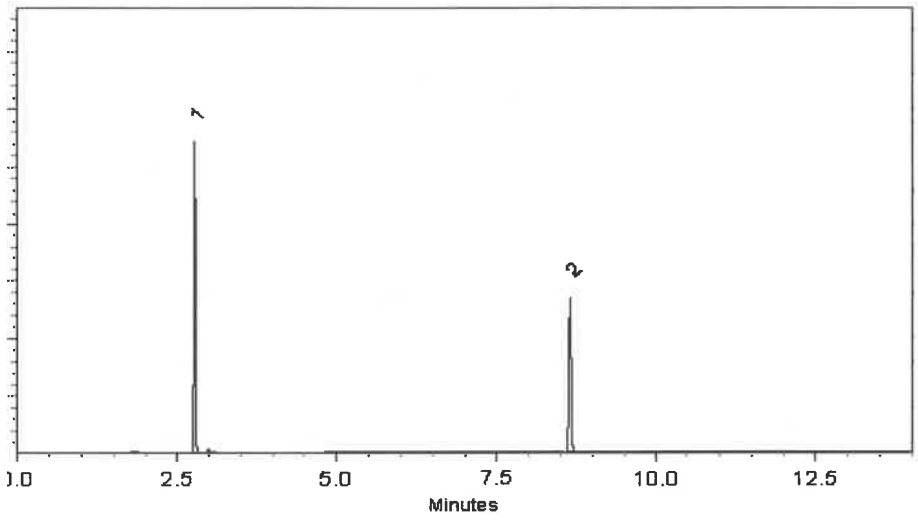
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 13348 (10)
↓
P13357
04/25/2025

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Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13402 & P13406 (5)

5/22/2021

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%

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.)

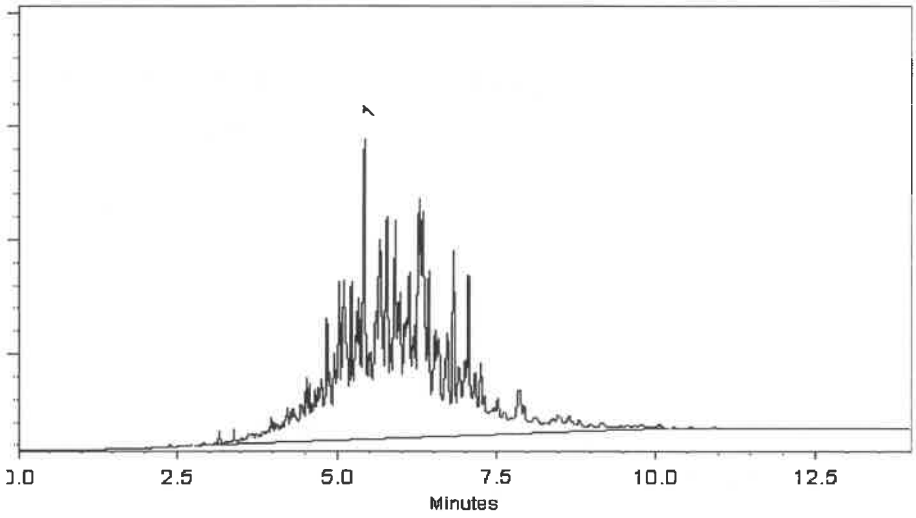
Inj. Temp:
250°C

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

P13402
↓
P13406
5
5/22/2024

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

P13785 ↓ P13789 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.)

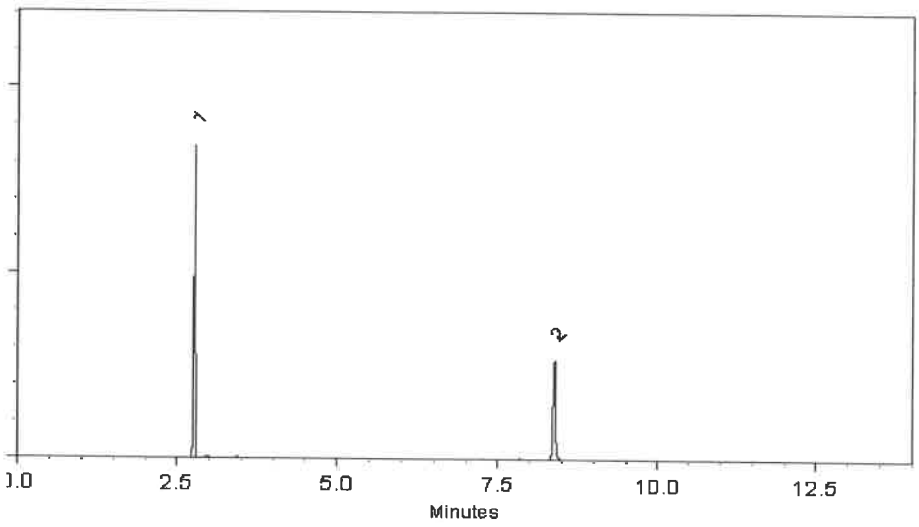
Inj. Temp:
250°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

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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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.)

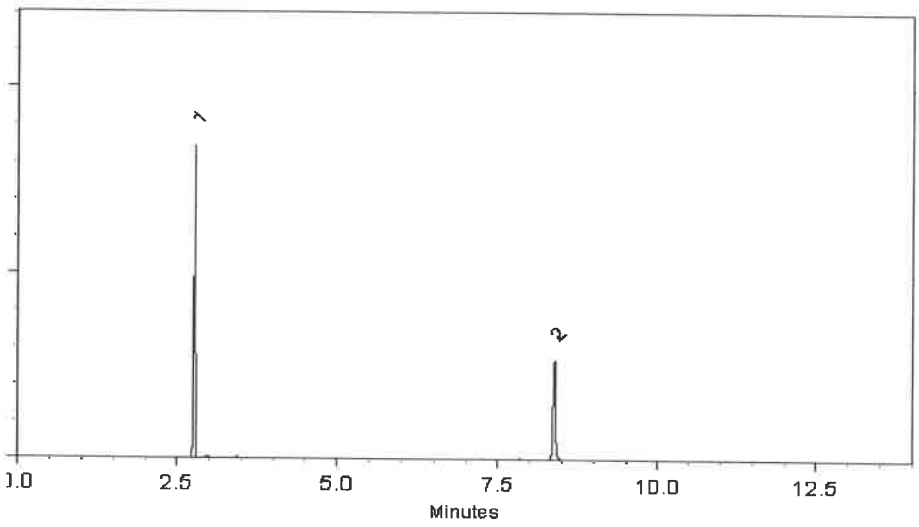
Inj. Temp:
250°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

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

RESTEK
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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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 (2)

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.)

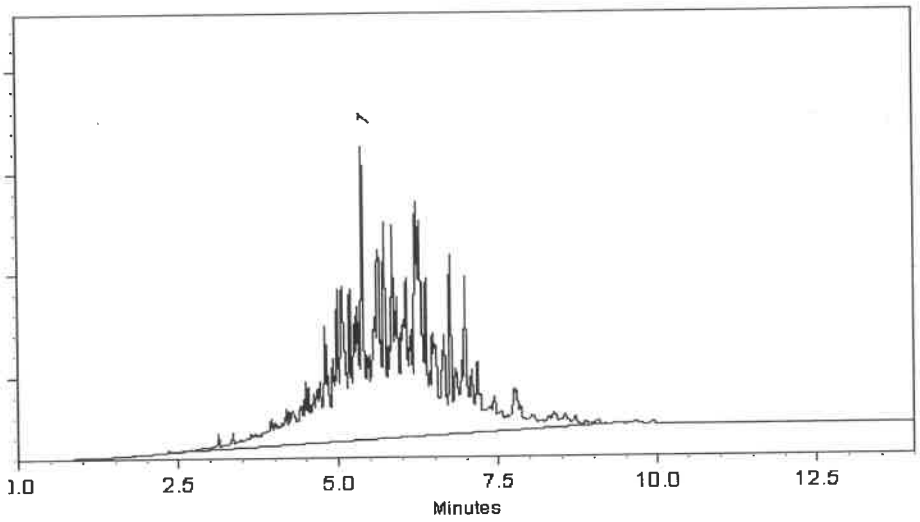
Inj. Temp:
250°C

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredit
Scopes: http://AbsoluteStandards.com

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

Solvent(s):	Lot#
Methylene chloride	102669

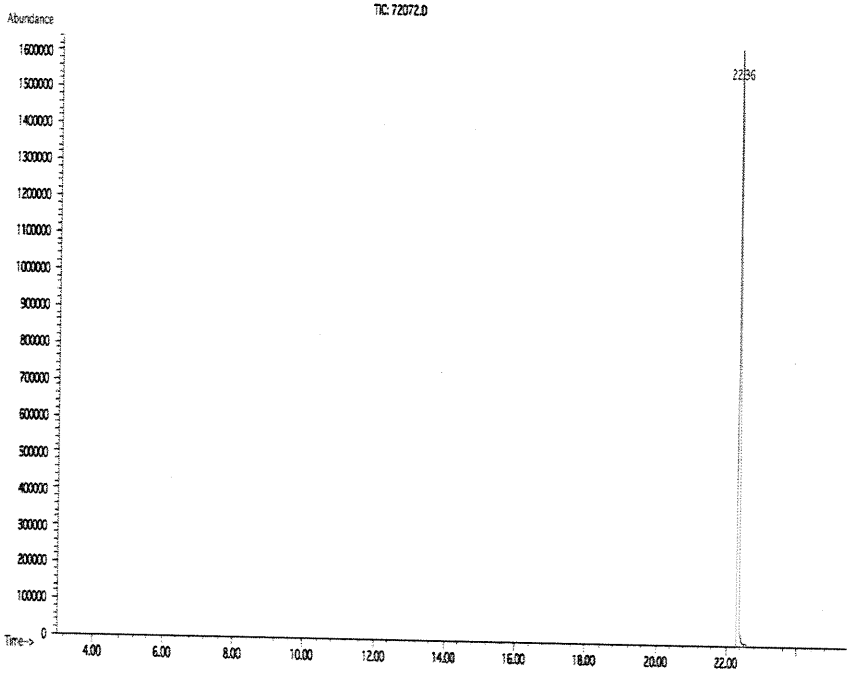
Received by SG on 11/1/19
P9044 - P9053

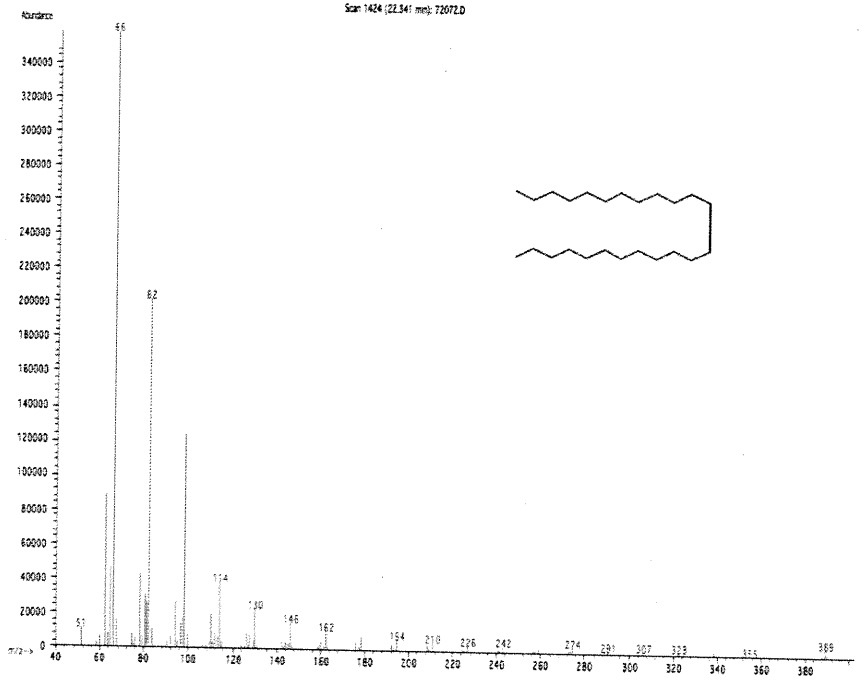
Weight(s) shown below were combined and diluted to (mL): 200.0 | 5E-05 Balance Uncertainty | 0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018 DATE
Reviewed By:	Pedro Rentas	112018 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.





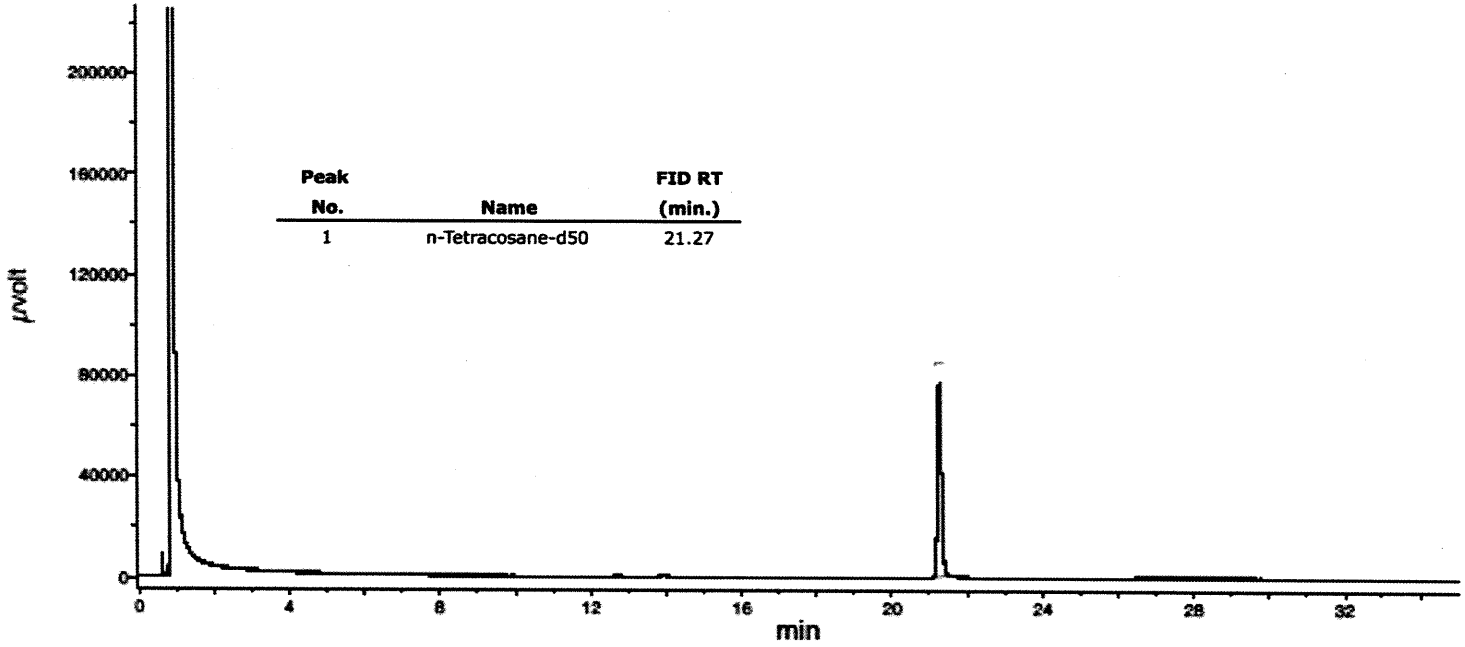
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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 1.5um 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 = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Peak No.	Name	FID RT (min.)
1	n-Tetracosane-d50	21.27

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147
W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

Q 2747

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	S. Ryther

Requested Turnaround Time
5-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-TS-GRILLO-OG2-073125	7/31/25	10:50	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-OG3-073125	7/31/25	10:55	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-OG4-073125	7/31/25	11:00	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-TSCP01-073125	7/31/25	11:05	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-TSCP02-073125	7/31/25	11:10	C	SO		3	2	1				X	X	X	X	X	X		X	X	

[2] Preservation Code

Lab Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 07/31/25 13:00
Received by: (signature)	Date/Time:
Relinquished by: (signature) FedEx	Date/Time: 8-1-25 1005
Received by: (signature)	Date/Time: 8-1-25 1005
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 2.2°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2747 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/1/2025 10:40:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/1/2025 10:05:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	07/31/2025	10:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	07/31/2025	10:55					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	07/31/2025	11:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	Solid	07/31/2025	11:05					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	Solid	07/31/2025	11:10					
					VOCMS Group3		8260D		5 Bus. Days

Relinquished By :
Date / Time : 8/1/25 1100

Received By : Sam
Date / Time : 08/01/25 11:00
Storage Area : VOA Refridgerator Room

Rg # 6
FZ 2

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	50972762	348.2E6	20.665	21.988	
28)	SA Decachlor...	9.070	8.068	80035568	443.4E6	21.537	22.084	
	Target Compounds							
2)	A alpha-BHC	3.997	3.390	48629241	283.5E6	9.817	11.664	
3)	MA gamma-BHC...	4.328	3.726	47886972	263.6E6	10.076	11.702	
4)	MA Heptachlor	0.000	4.080	0	1156341	N.D.	0.050	#
5)	MB Aldrin	5.249f	4.361	361137	824641	0.079	0.037	#
6)	B beta-BHC	4.514	4.022	19846516	114.3E6	10.759	11.842	
7)	B delta-BHC	4.758	4.257	854034	968577	0.186	0.043	#
8)	B Heptachlo...	5.681	4.888f	811816	2849041	0.194	0.139	#
9)	A Endosulfan I	0.000	5.222f	0	2014235	N.D.	0.103	#
10)	B gamma-Chl...	5.940	5.122	424117	7320474	0.101	0.338	#
11)	B alpha-Chl...	6.031	5.184	1172686	4533599	0.279	0.218	
12)	B 4,4'-DDE	6.198	5.373	273496	1718680	0.073	0.081	
13)	MA Dieldrin	0.000	5.485f	0	92959	N.D.	0.004	#
14)	MA Endrin	6.572	5.785	195.8E6	1085.2E6	54.728	54.466	
15)	B Endosulfa...	6.767f	6.086	715707	1921169	0.195	0.102	#
16)	A 4,4'-DDD	6.703	5.927	2381274	14113020	0.795	0.800	
17)	MA 4,4'-DDT	7.020	6.179	364.8E6	1984.7E6	108.555	108.023	
18)	B Endrin al...	6.915	6.253	642296	9551952	0.257	0.739	#
19)	B Endosulfa...	0.000	6.478	0	357056	N.D.	0.019	#
20)	A Methoxychlor	7.491	6.750	463.0E6	2323.4E6	258.926	237.192	
21)	B Endrin ke...	7.628	6.986	1466086	14317832	0.395	0.713	#
22)	Mirex	8.119	7.172	78826	2532809	0.028	0.166	#
23)	Chlordane-1	0.000	3.901	0	579301	N.D.	0.792	#
24)	Chlordane-2	5.249	4.480	361137	1166415	2.125	1.526	#
25)	Chlordane-3	5.940	5.122	424117	7320474	0.618	3.163	#
26)	Chlordane-4	6.031	5.184	1172686	4533599	1.401	2.279	#
27)	Chlordane-5	6.871	6.086	148005	1921169	1.026	2.124	#

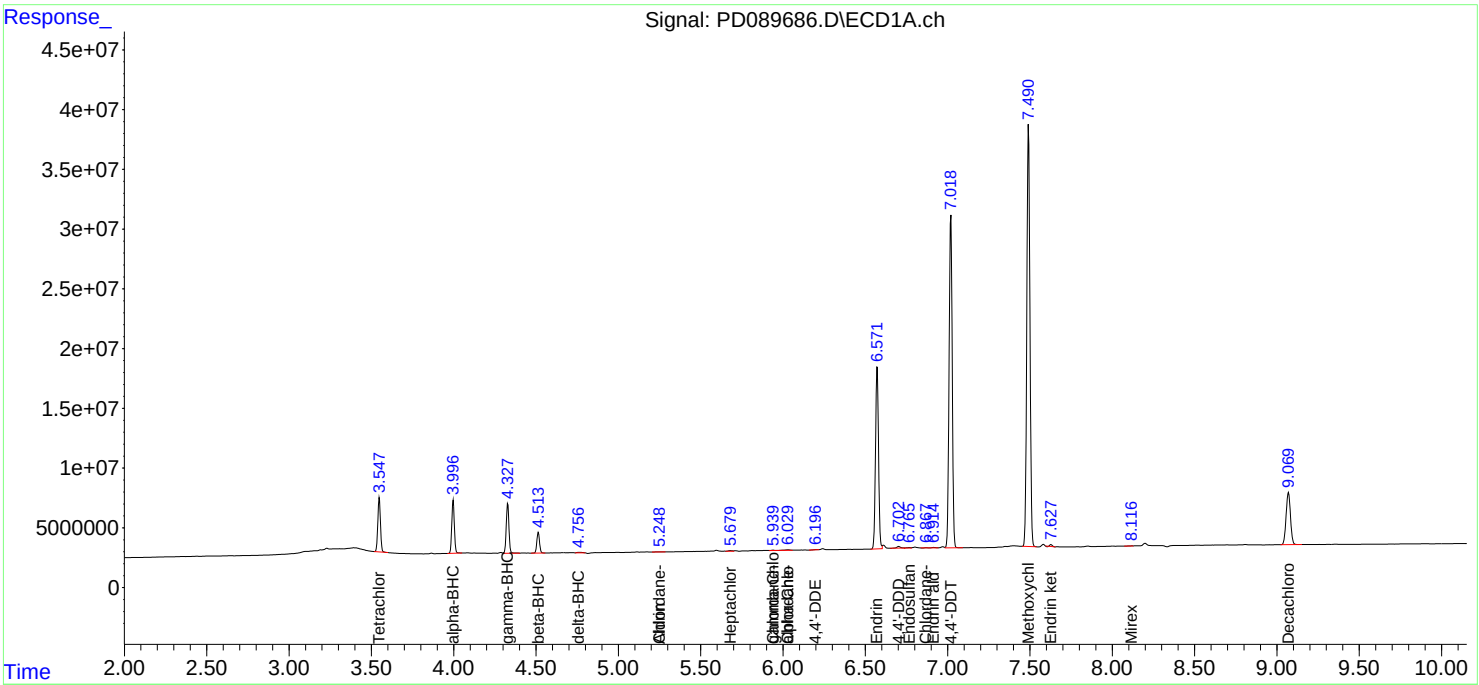
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

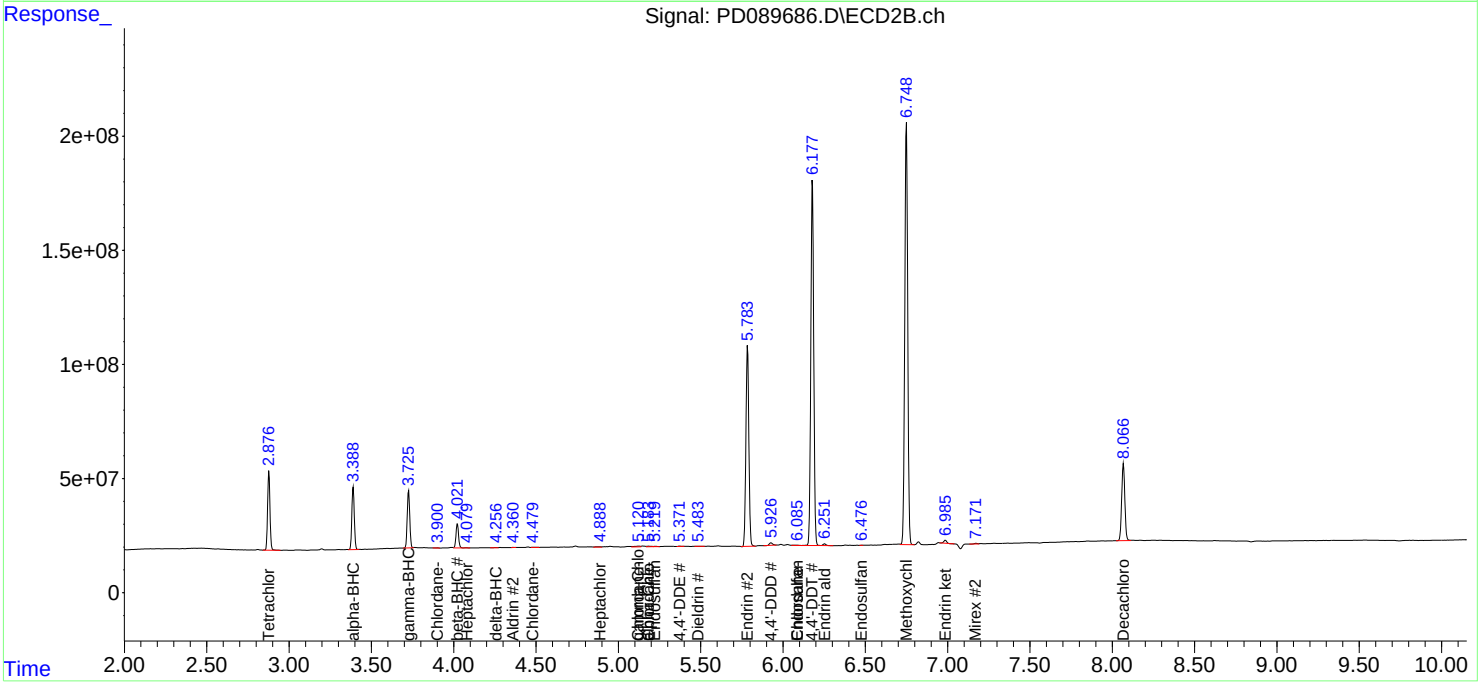
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

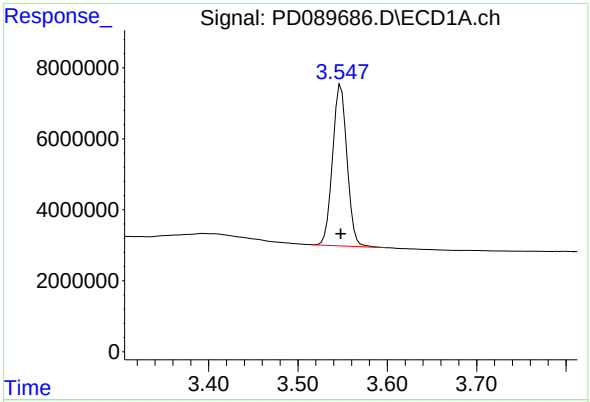
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



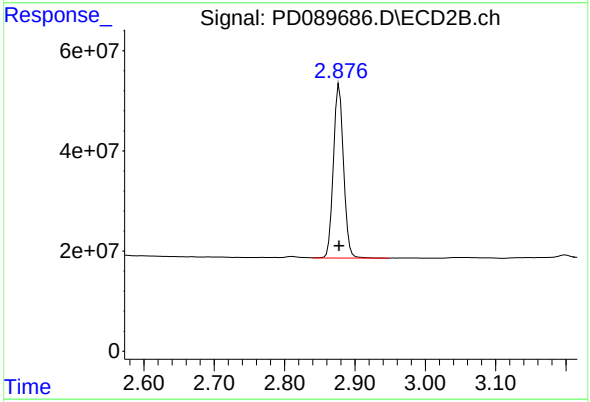




#1 Tetrachloro-m-xylene

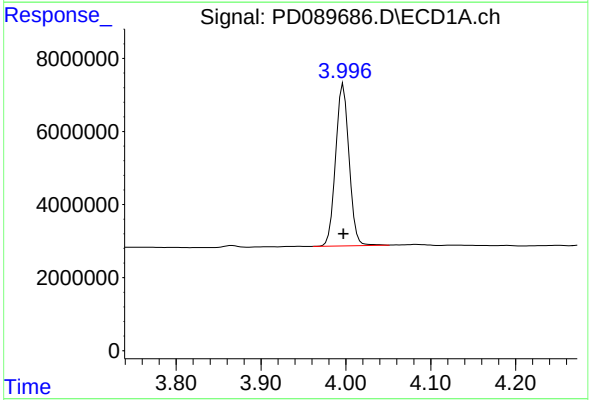
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 50972762
Conc: 20.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



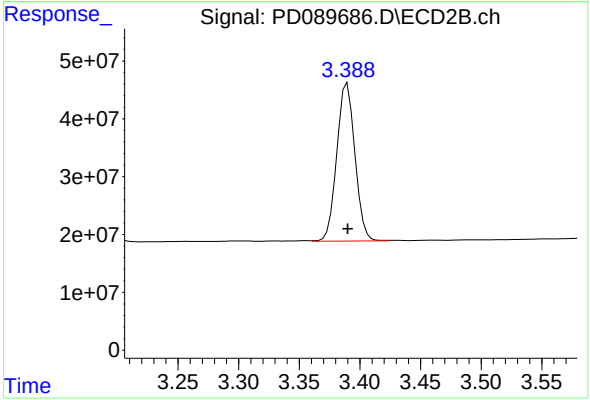
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 348246363
Conc: 21.99 ng/ml



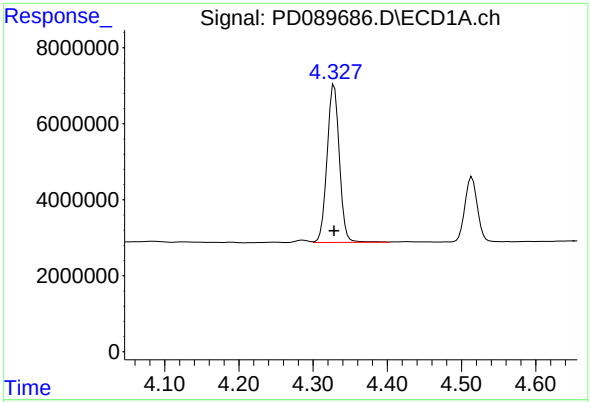
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 48629241
Conc: 9.82 ng/ml



#2 alpha-BHC

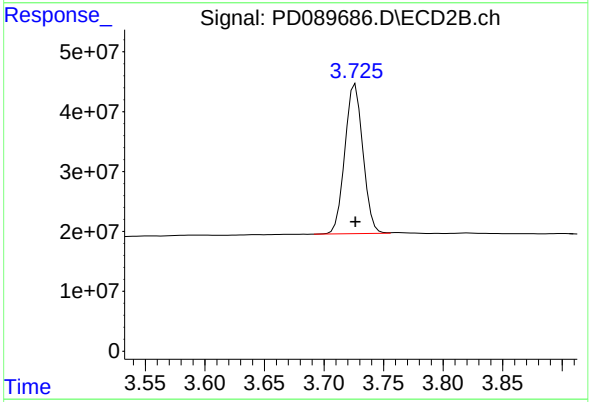
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 283494256
Conc: 11.66 ng/ml



#3 gamma-BHC (Lindane)

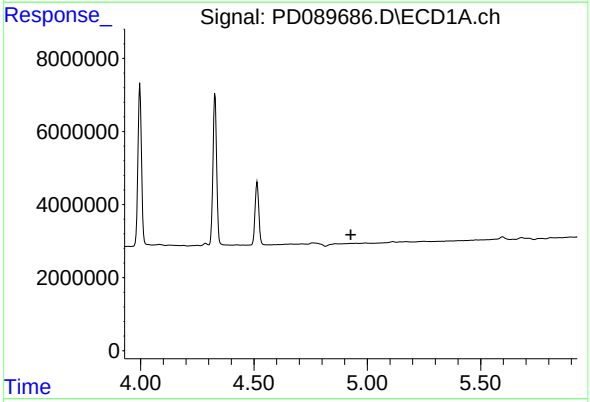
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 47886972
Conc: 10.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



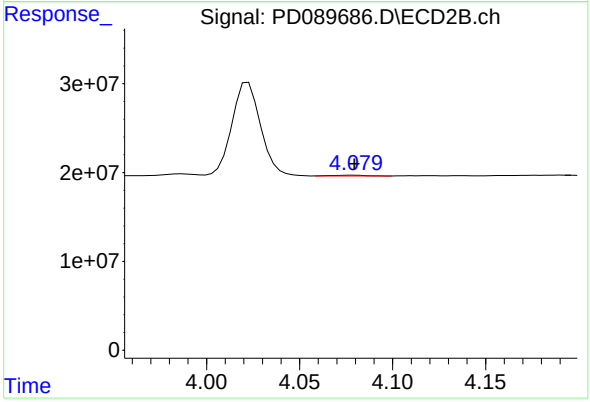
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 263580713
Conc: 11.70 ng/ml



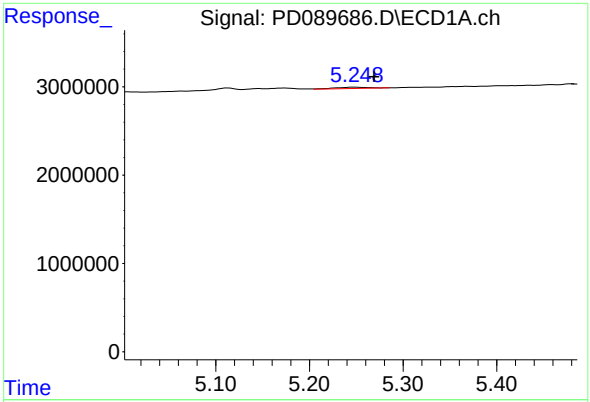
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.927 min
Response: 0
Conc: N.D.



#4 Heptachlor

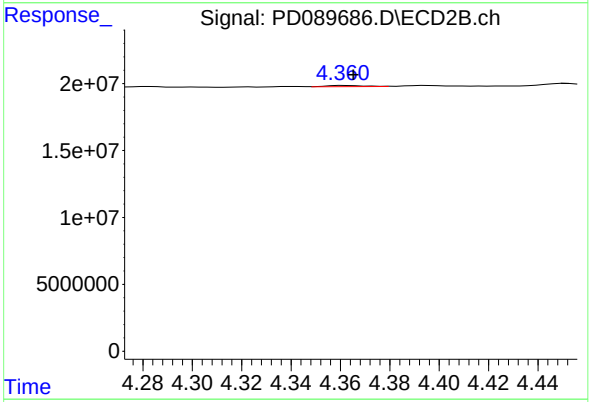
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1156341
Conc: 0.05 ng/ml



#5 Aldrin

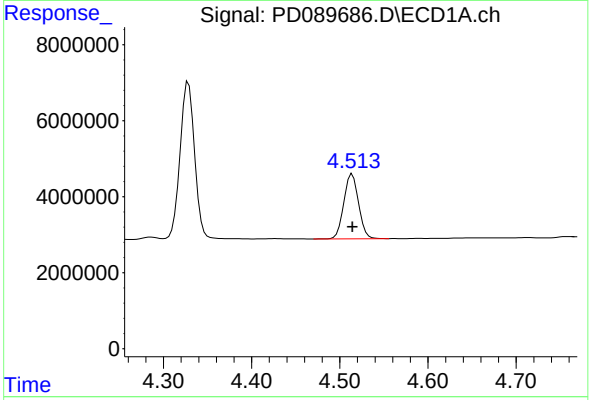
R.T.: 5.249 min
Delta R.T.: -0.020 min
Response: 361137
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



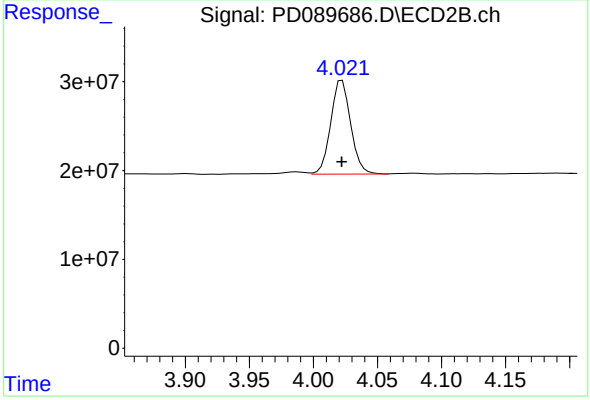
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.004 min
Response: 824641
Conc: 0.04 ng/ml



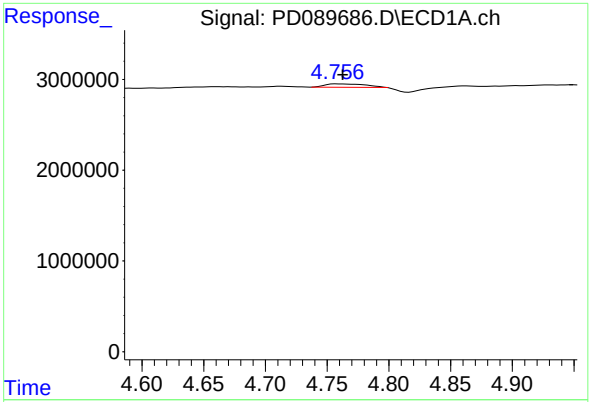
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 19846516
Conc: 10.76 ng/ml



#6 beta-BHC

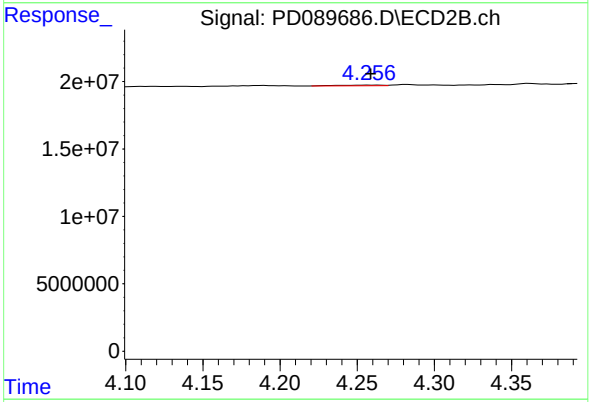
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 114263731
Conc: 11.84 ng/ml



#7 delta-BHC

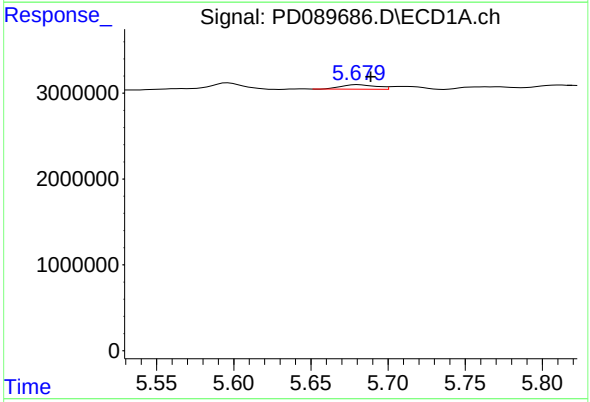
R.T.: 4.758 min
Delta R.T.: -0.005 min
Response: 854034
Conc: 0.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



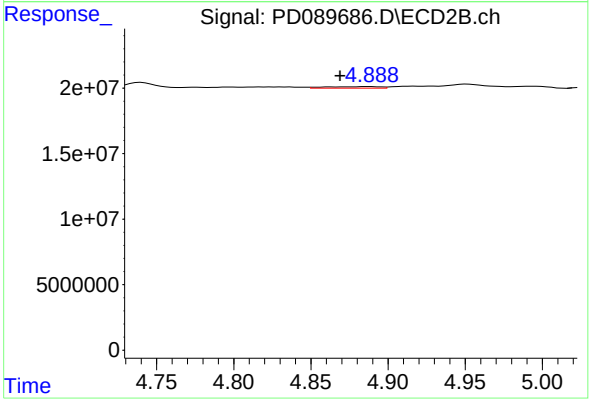
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.002 min
Response: 968577
Conc: 0.04 ng/ml



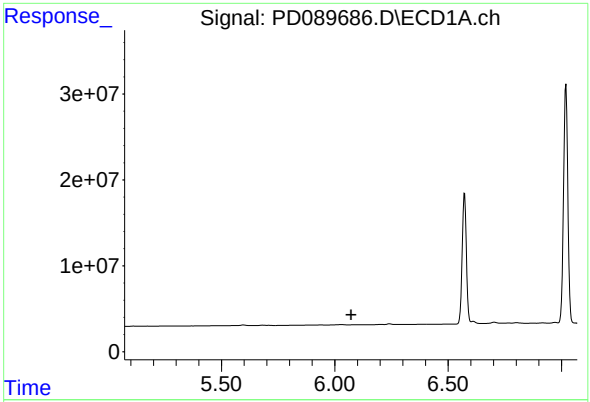
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.008 min
Response: 811816
Conc: 0.19 ng/ml



#8 Heptachlor epoxide

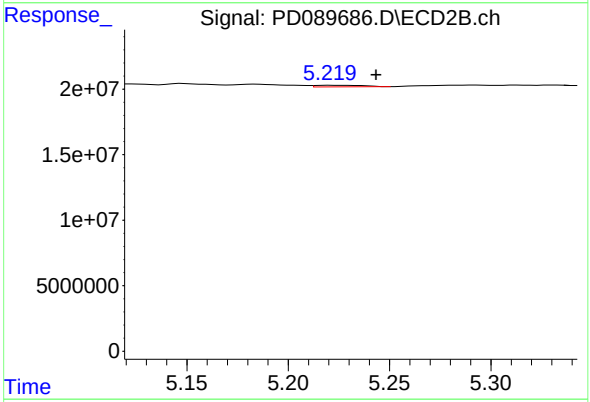
R.T.: 4.888 min
Delta R.T.: 0.019 min
Response: 2849041
Conc: 0.14 ng/ml



#9 Endosulfan I

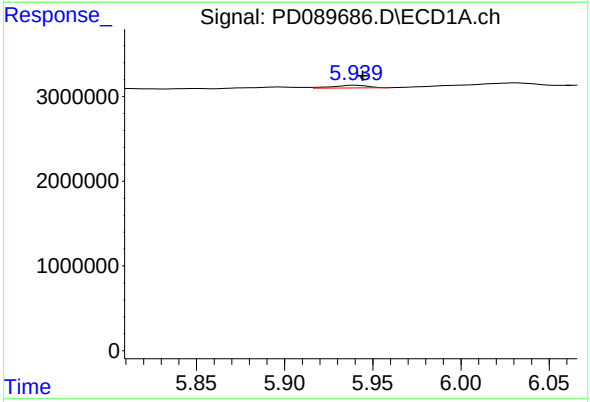
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



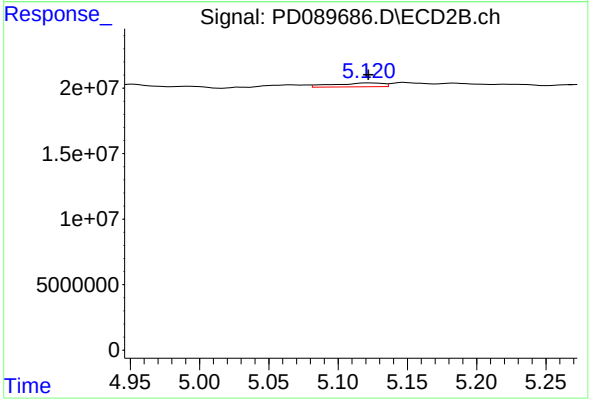
#9 Endosulfan I

R.T.: 5.222 min
Delta R.T.: -0.021 min
Response: 2014235
Conc: 0.10 ng/ml



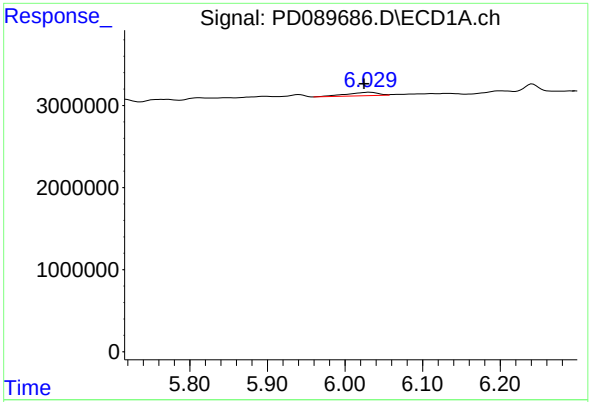
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 424117
Conc: 0.10 ng/ml



#10 gamma-Chlordane

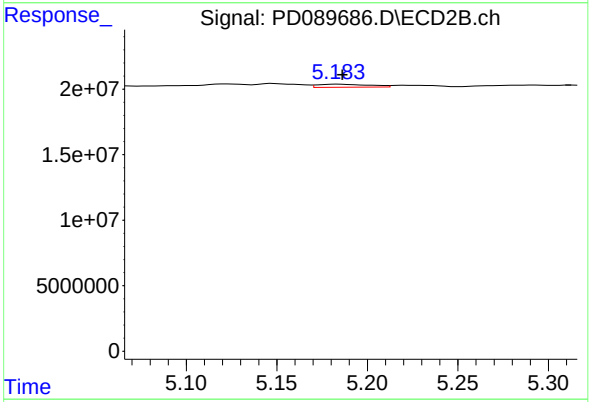
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 7320474
Conc: 0.34 ng/ml



#11 alpha-Chlordane

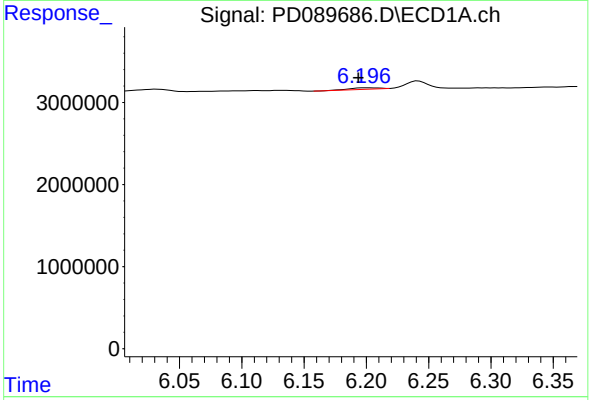
R.T.: 6.031 min
Delta R.T.: 0.006 min
Response: 1172686
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



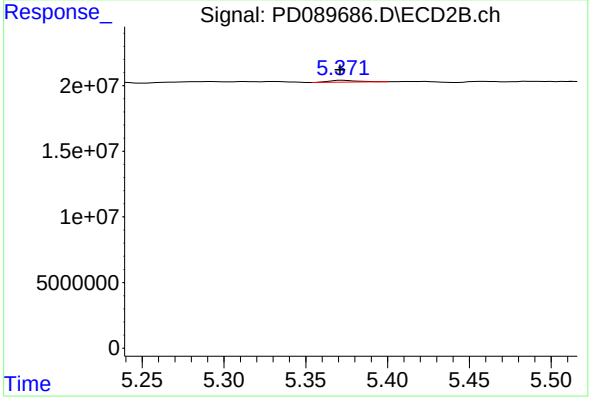
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 4533599
Conc: 0.22 ng/ml



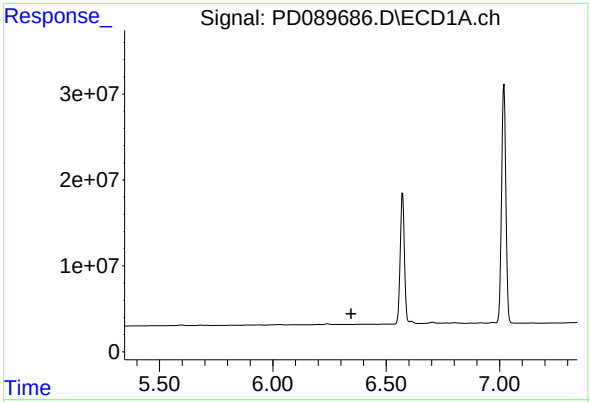
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.005 min
Response: 273496
Conc: 0.07 ng/ml



#12 4,4'-DDE

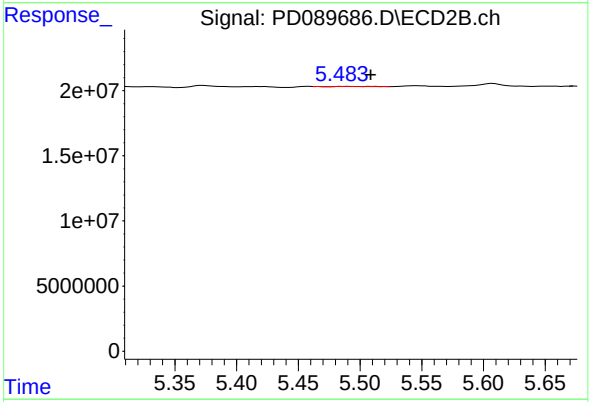
R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 1718680
Conc: 0.08 ng/ml



#13 Dieldrin

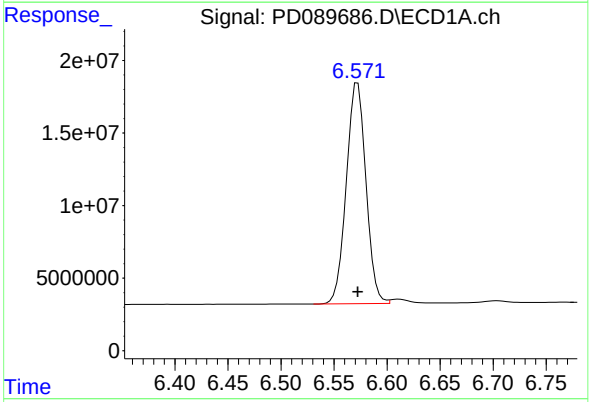
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



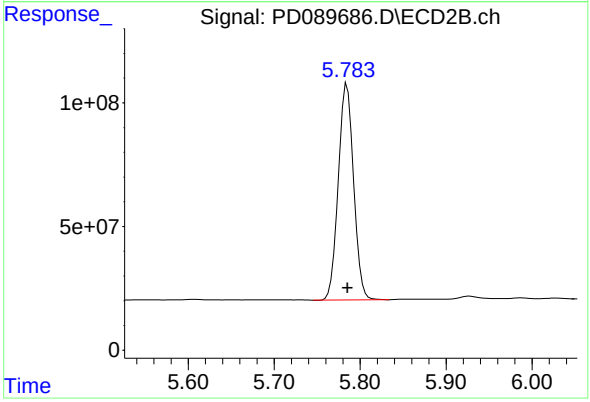
#13 Dieldrin

R.T.: 5.485 min
Delta R.T.: -0.024 min
Response: 92959
Conc: 0.00 ng/ml



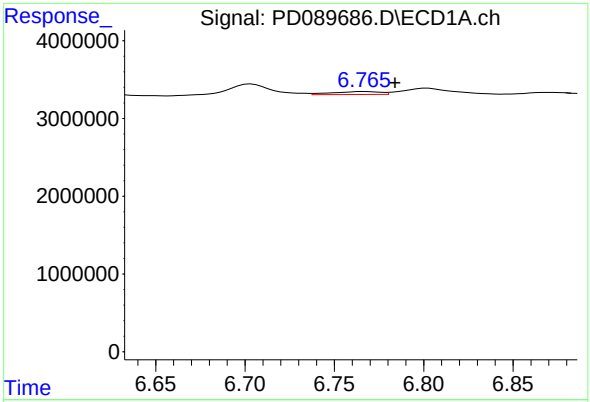
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 195800927
Conc: 54.73 ng/ml



#14 Endrin

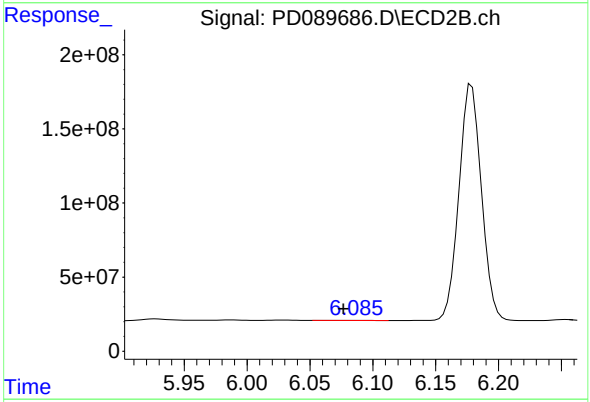
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1085241845
Conc: 54.47 ng/ml



#15 Endosulfan II

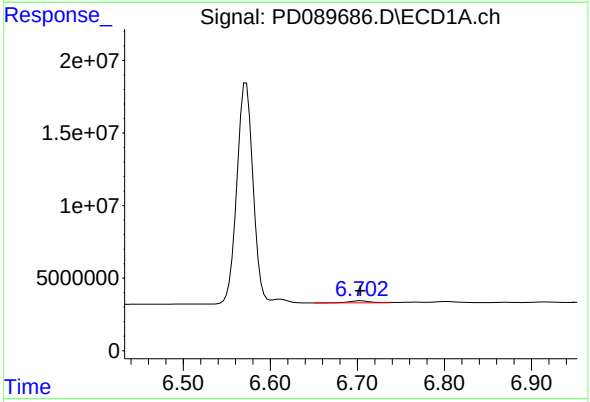
R.T.: 6.767 min
Delta R.T.: -0.017 min
Response: 715707
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



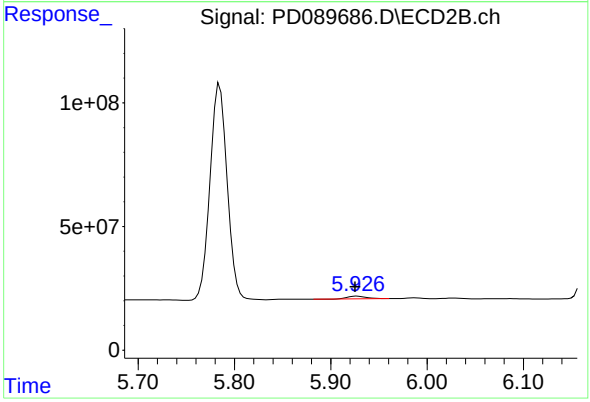
#15 Endosulfan II

R.T.: 6.086 min
Delta R.T.: 0.009 min
Response: 1921169
Conc: 0.10 ng/ml



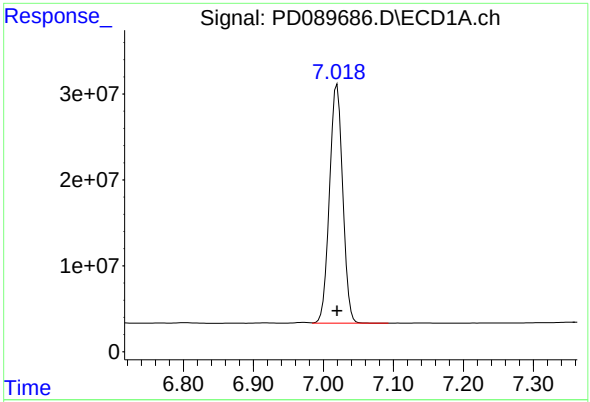
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 2381274
Conc: 0.80 ng/ml



#16 4,4'-DDD

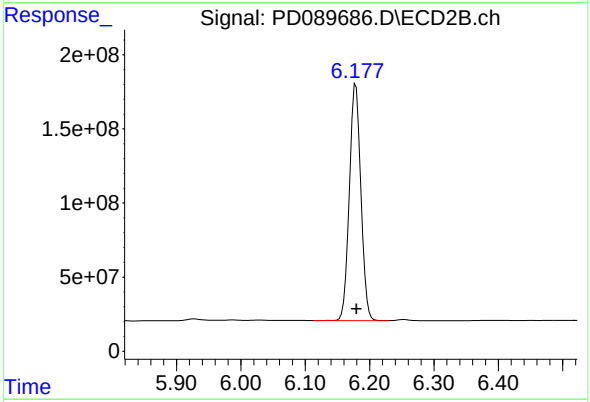
R.T.: 5.927 min
Delta R.T.: 0.002 min
Response: 14113020
Conc: 0.80 ng/ml



#17 4,4'-DDT

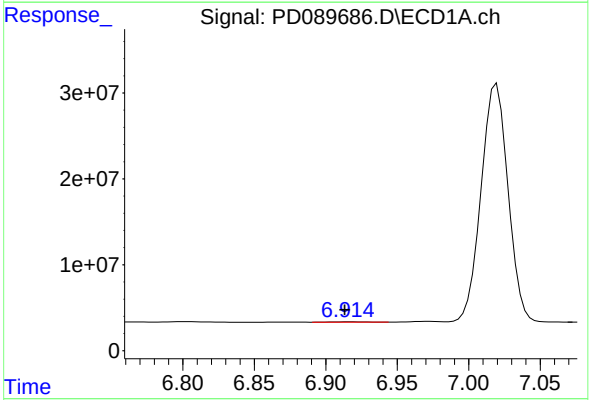
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 364771708
Conc: 108.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



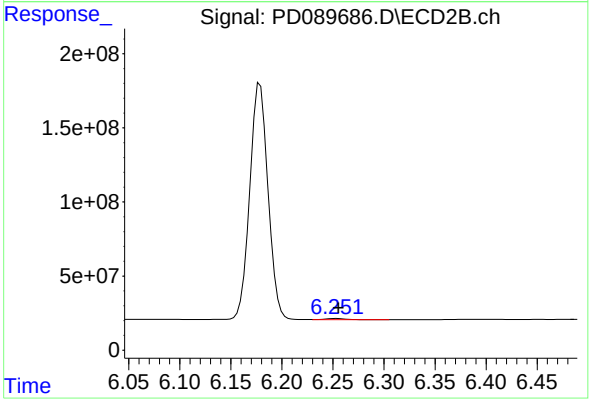
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1984665033
Conc: 108.02 ng/ml



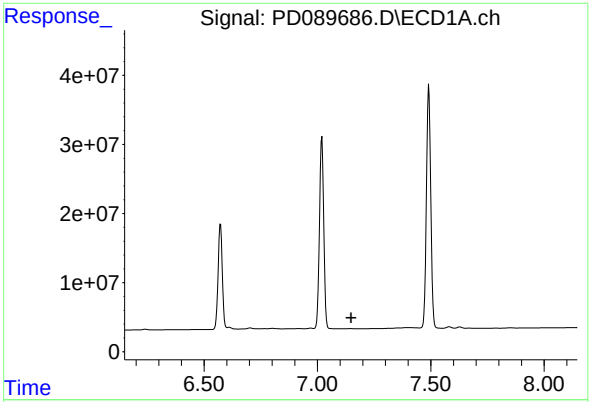
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 642296
Conc: 0.26 ng/ml



#18 Endrin aldehyde

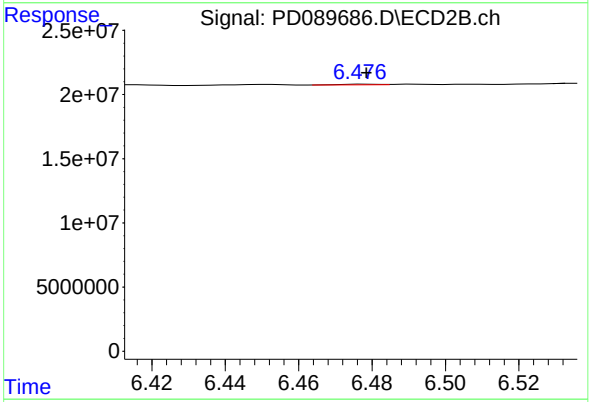
R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 9551952
Conc: 0.74 ng/ml



#19 Endosulfan Sulfate

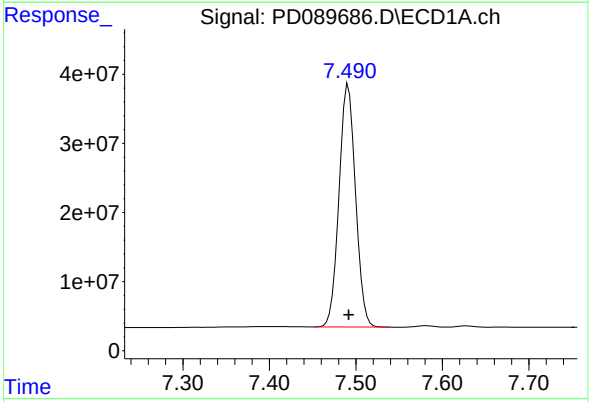
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



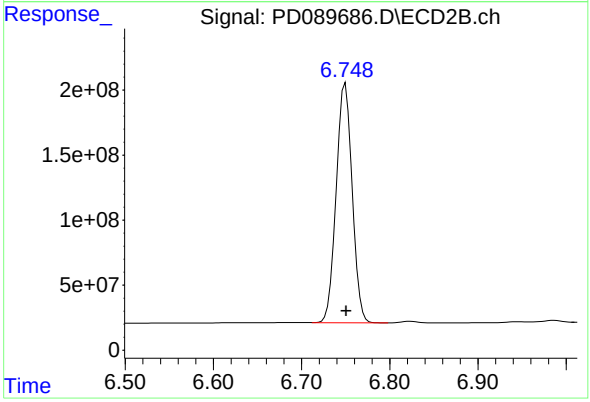
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 357056
Conc: 0.02 ng/ml



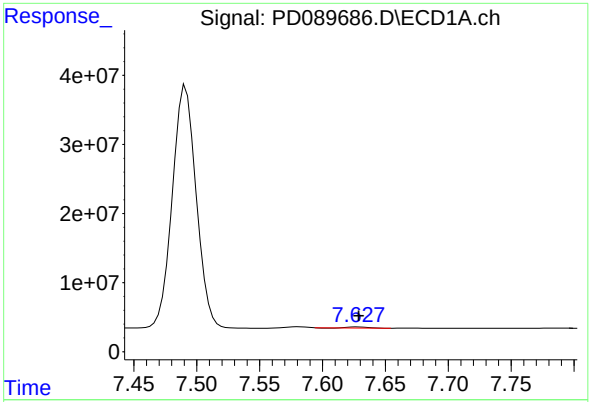
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 462952824
Conc: 258.93 ng/ml



#20 Methoxychlor

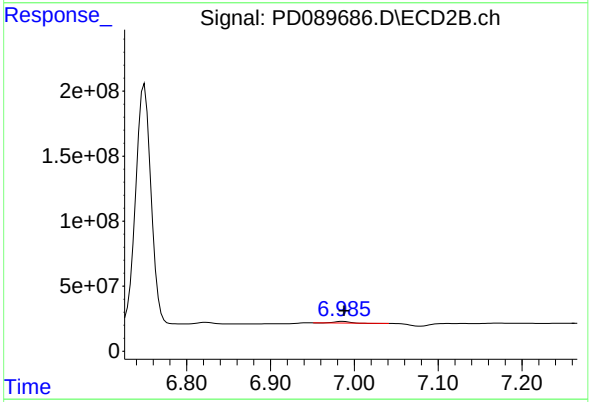
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 2323412506
Conc: 237.19 ng/ml



#21 Endrin ketone

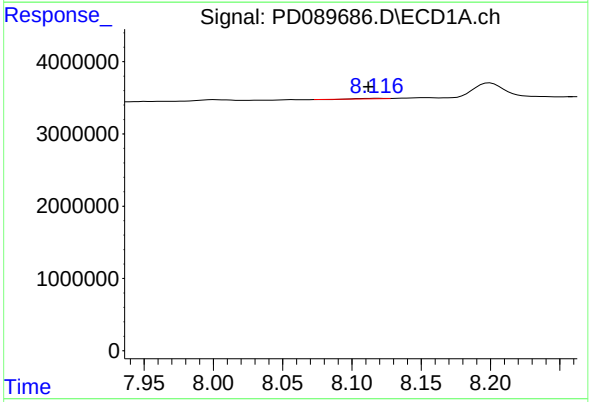
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 1466086
Conc: 0.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



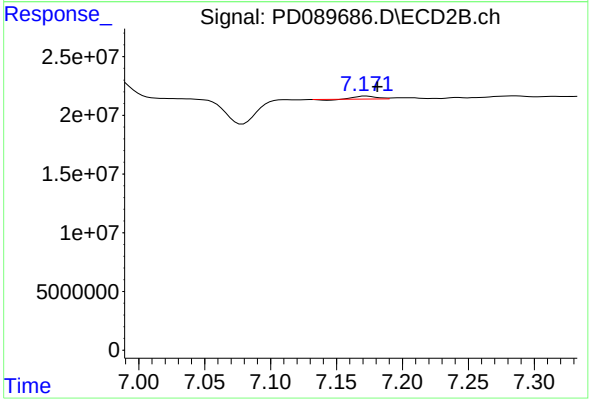
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 14317832
Conc: 0.71 ng/ml



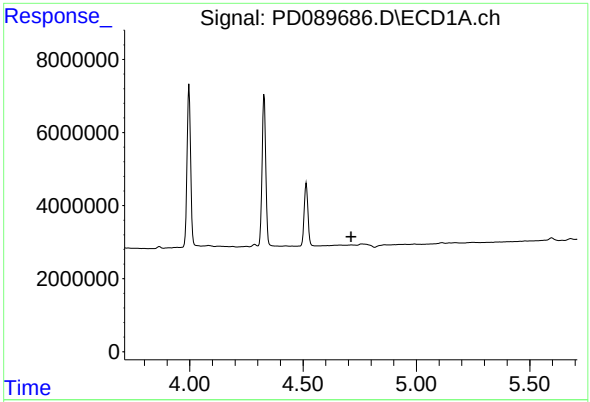
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.008 min
Response: 78826
Conc: 0.03 ng/ml



#22 Mirex

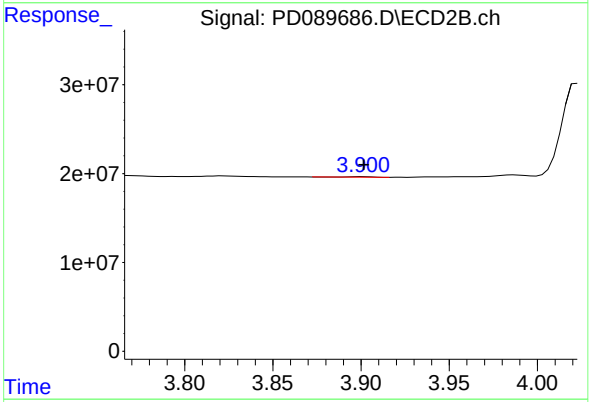
R.T.: 7.172 min
Delta R.T.: -0.009 min
Response: 2532809
Conc: 0.17 ng/ml



#23 Chlordane-1

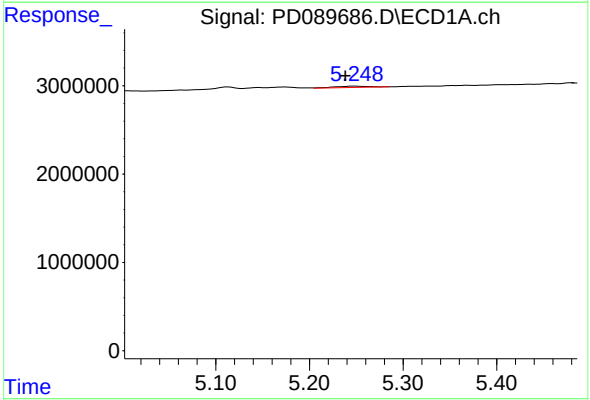
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



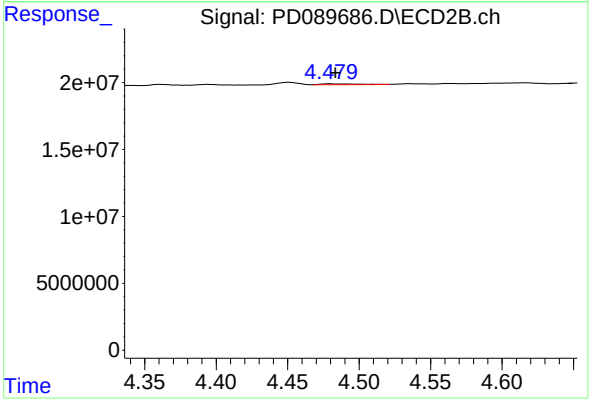
#23 Chlordane-1

R.T.: 3.901 min
Delta R.T.: 0.000 min
Response: 579301
Conc: 0.79 ng/ml



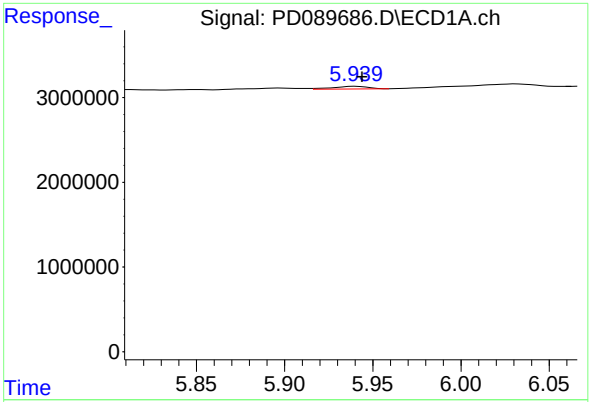
#24 Chlordane-2

R.T.: 5.249 min
Delta R.T.: 0.010 min
Response: 361137
Conc: 2.13 ng/ml



#24 Chlordane-2

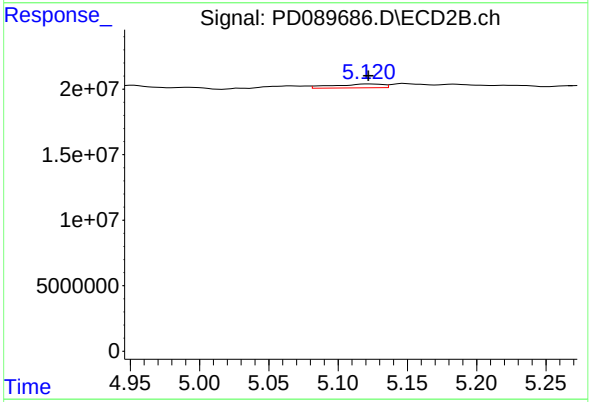
R.T.: 4.480 min
Delta R.T.: -0.004 min
Response: 1166415
Conc: 1.53 ng/ml



#25 Chlordane-3

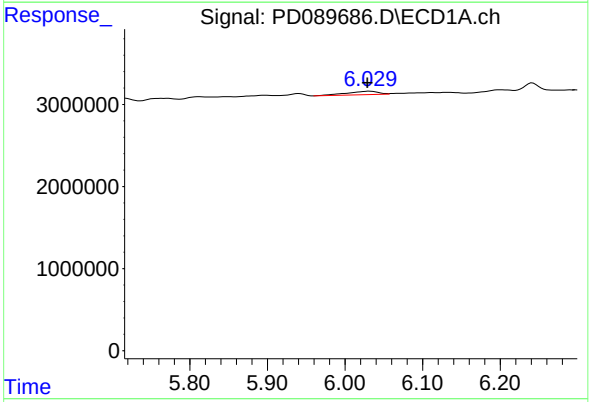
R.T.: 5.940 min
Delta R.T.: -0.003 min
Response: 424117
Conc: 0.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



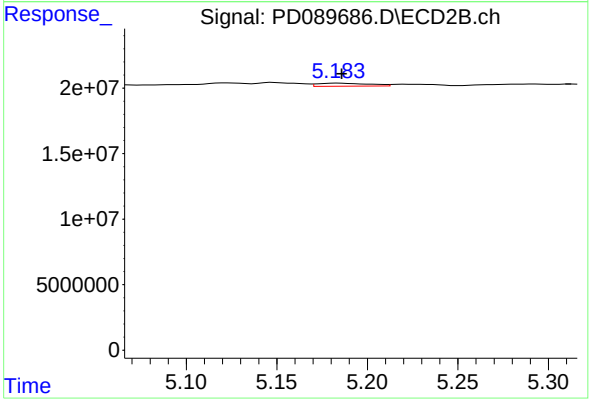
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 7320474
Conc: 3.16 ng/ml



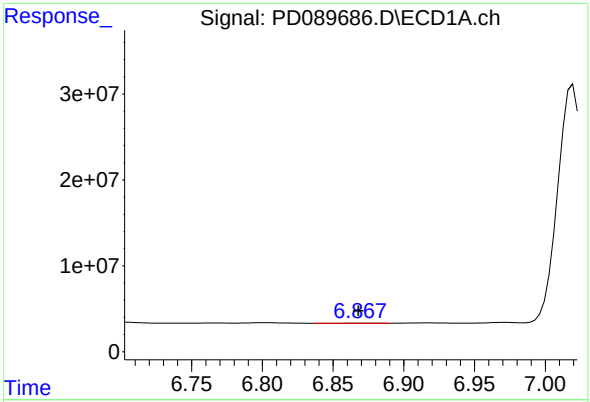
#26 Chlordane-4

R.T.: 6.031 min
Delta R.T.: 0.002 min
Response: 1172686
Conc: 1.40 ng/ml



#26 Chlordane-4

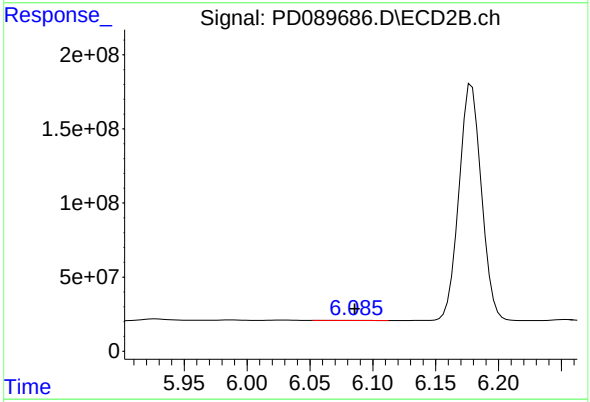
R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 4533599
Conc: 2.28 ng/ml



#27 Chlordane-5

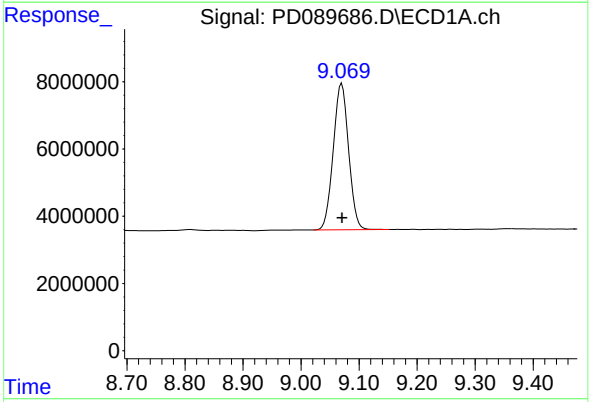
R.T.: 6.871 min
Delta R.T.: 0.004 min
Response: 148005
Conc: 1.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



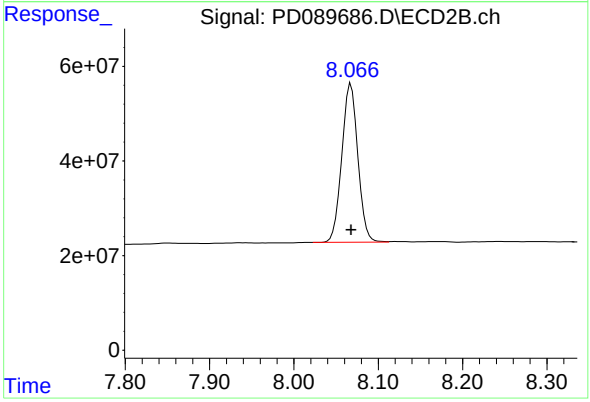
#27 Chlordane-5

R.T.: 6.086 min
Delta R.T.: 0.000 min
Response: 1921169
Conc: 2.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 80035568
Conc: 21.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 443406662
Conc: 22.08 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:01
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: Aug 01 06:03:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.878	182.0E6	1118.5E6	74.099	72.359
28)	SA Decachlor...	9.071	8.067	262.5E6	1406.4E6	72.524	71.702
	Target Compounds						
2)	A alpha-BHC	3.998	3.390	389.2E6	1750.2E6	76.799	73.008
3)	MA gamma-BHC...	4.328	3.727	366.6E6	1617.8E6	76.029	73.078
4)	MA Heptachlor	4.927	4.079	367.5E6	1652.1E6	75.953	72.679
5)	MB Aldrin	5.269	4.365	349.2E6	1591.4E6	75.891	72.762
6)	B beta-BHC	4.514	4.022	134.4E6	678.1E6	73.687	72.127
7)	B delta-BHC	4.763	4.259	358.2E6	1631.4E6	76.586	73.032
8)	B Heptachlo...	5.689	4.869	313.4E6	1455.4E6	75.540	72.419
9)	A Endosulfan I	6.073	5.243	295.7E6	1384.3E6	75.057	72.494
10)	B gamma-Chl...	5.945	5.122	316.5E6	1536.8E6	75.953	72.551
11)	B alpha-Chl...	6.025	5.186	314.3E6	1475.9E6	75.227	72.665
12)	B 4,4'-DDE	6.194	5.371	286.3E6	1504.8E6	76.363	72.583
13)	MA Dieldrin	6.345	5.509	322.8E6	1541.4E6	76.176	72.575
14)	MA Endrin	6.572	5.785	272.7E6	1402.6E6	76.049	72.311
15)	B Endosulfa...	6.785	6.076	271.1E6	1331.9E6	75.250	72.403
16)	A 4,4'-DDD	6.703	5.925	228.6E6	1259.0E6	76.194	72.547
17)	MA 4,4'-DDT	7.019	6.179	256.2E6	1348.7E6	76.010	73.090
18)	B Endrin al...	6.913	6.255	183.3E6	916.8E6	74.217	72.118
19)	B Endosulfa...	7.148	6.479	257.0E6	1313.6E6	74.880	72.427
20)	A Methoxychlor	7.492	6.750	131.3E6	697.3E6	73.886	71.862
21)	B Endrin ke...	7.629	6.987	277.5E6	1426.8E6	74.979	72.278
22)	Mirex	8.112	7.181	197.2E6	1065.3E6	72.806	71.858

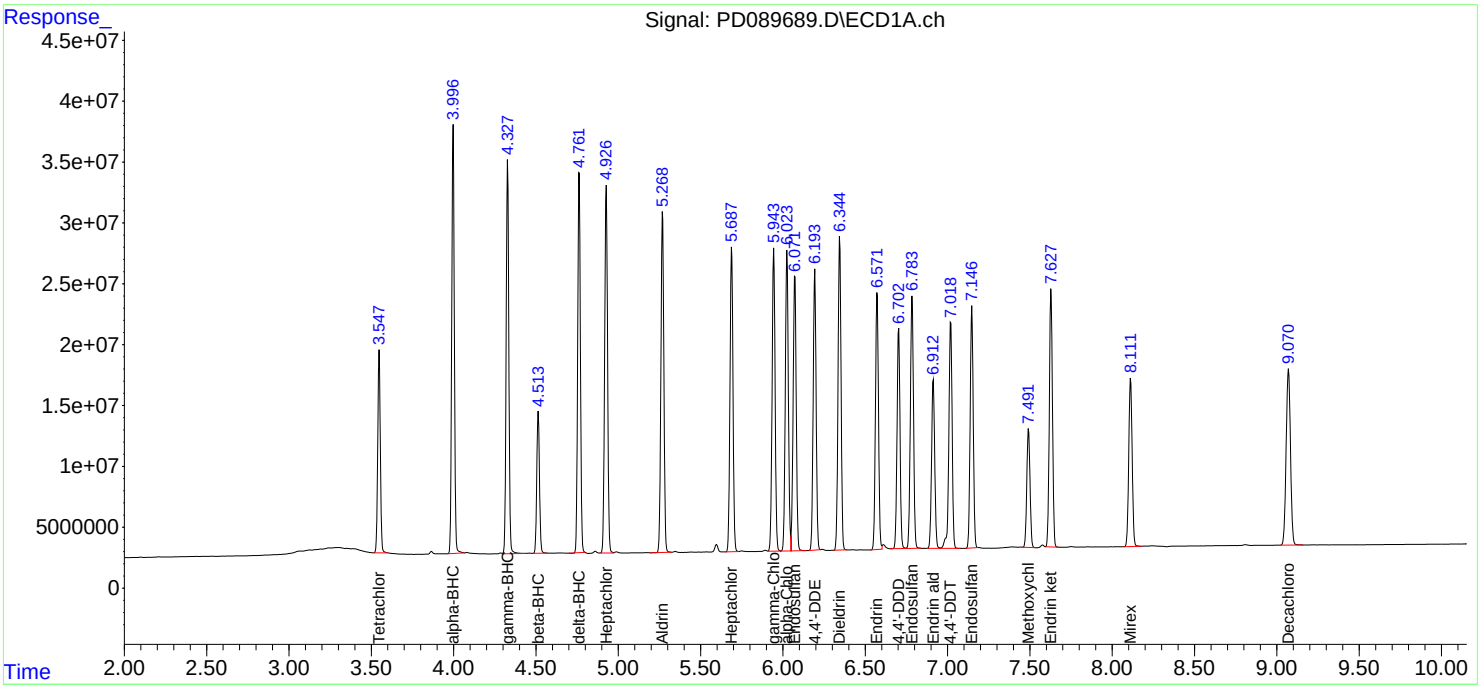
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

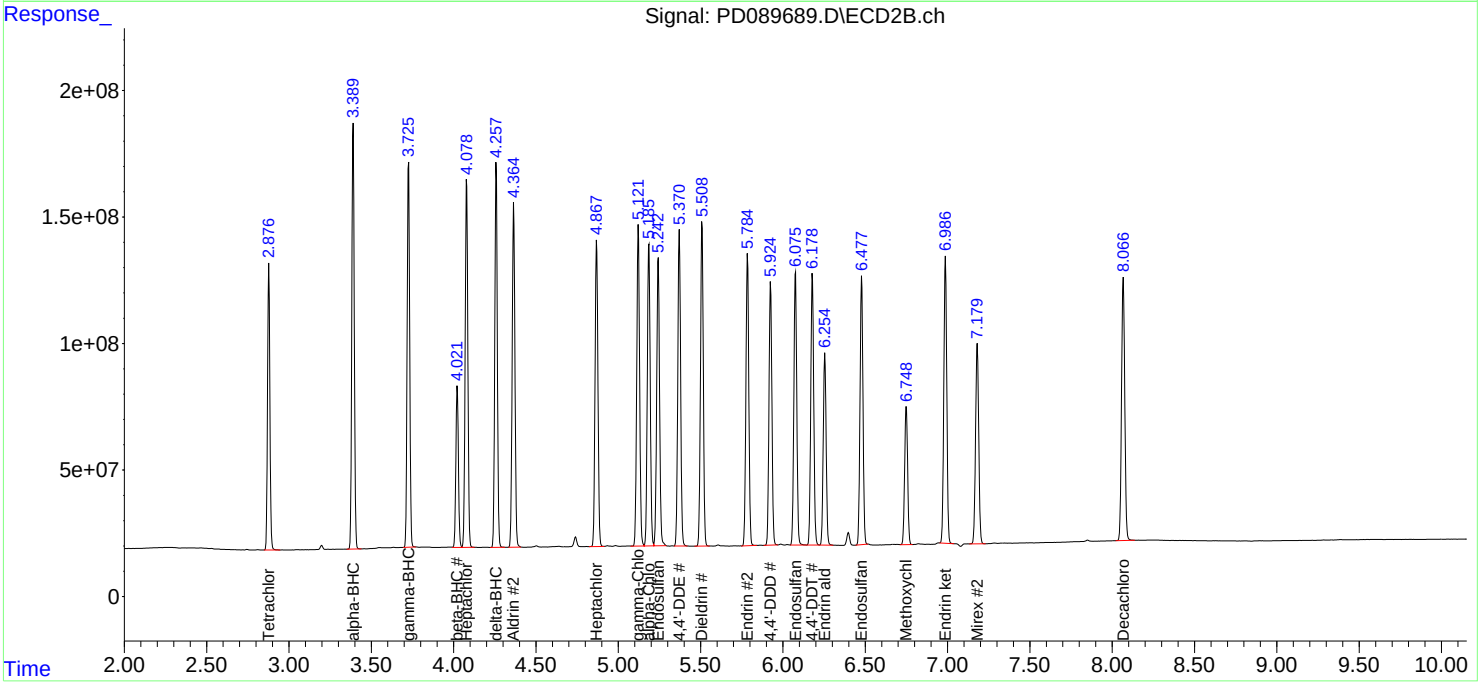
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:01
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

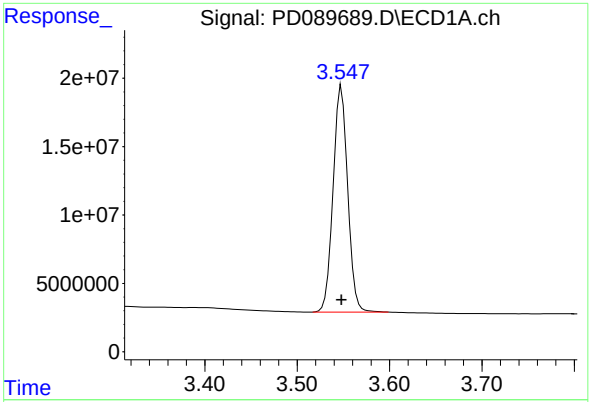
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:03:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



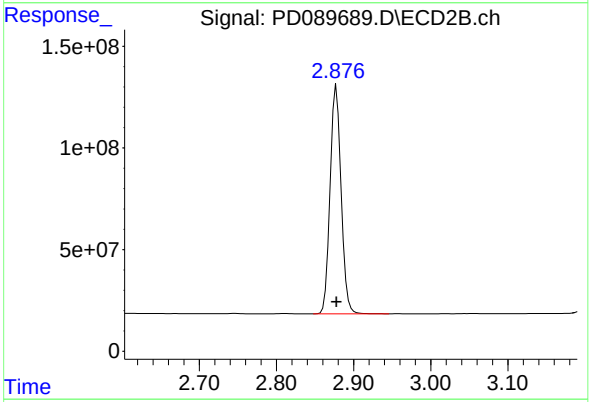




#1 Tetrachloro-m-xylene

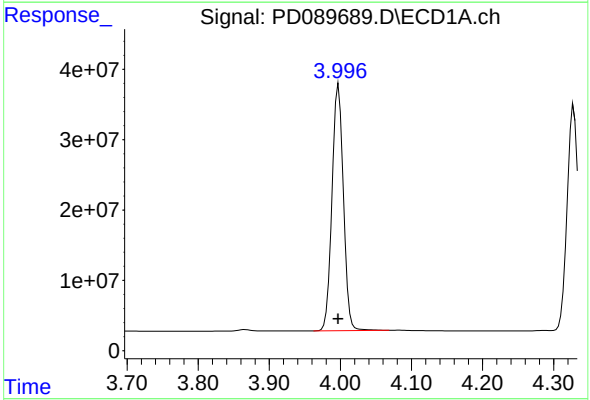
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 182031181
Conc: 74.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



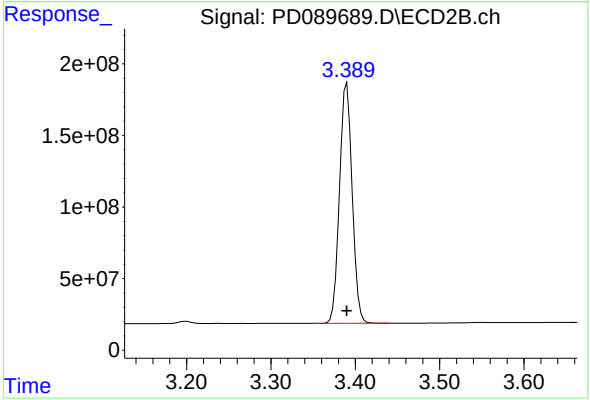
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 1118501820
Conc: 72.36 ng/ml



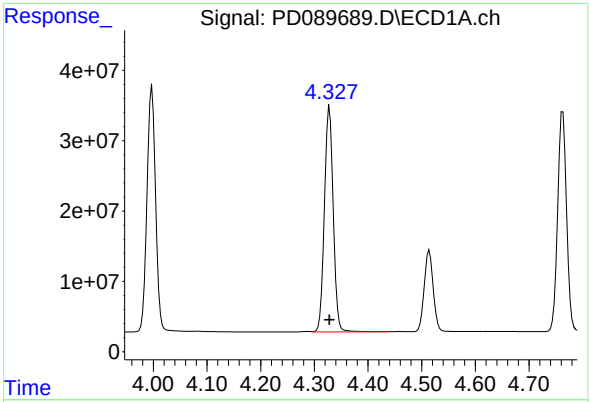
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 389207672
Conc: 76.80 ng/ml



#2 alpha-BHC

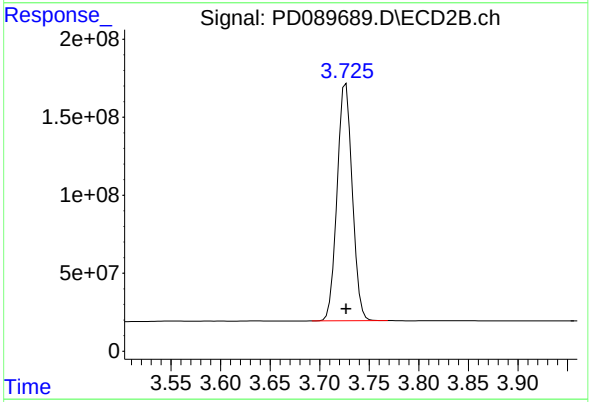
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1750199710
Conc: 73.01 ng/ml



#3 gamma-BHC (Lindane)

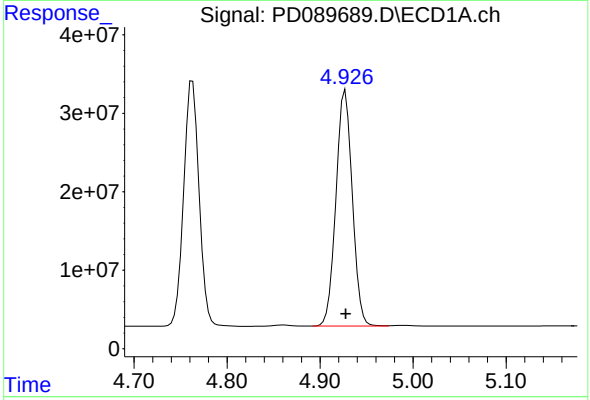
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 366574112
Conc: 76.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



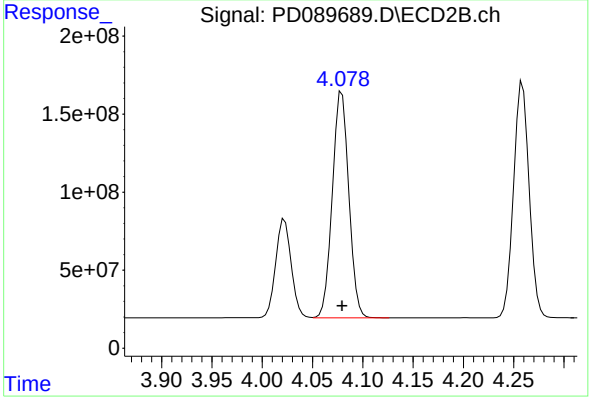
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1617804319
Conc: 73.08 ng/ml



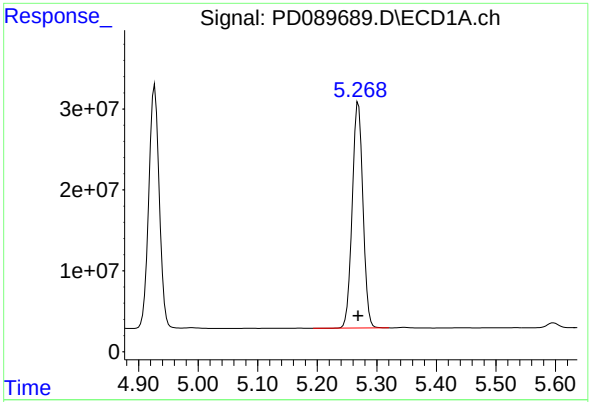
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 367489911
Conc: 75.95 ng/ml



#4 Heptachlor

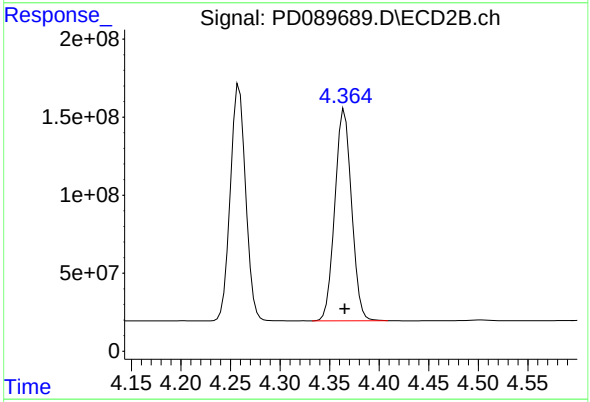
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1652132102
Conc: 72.68 ng/ml



#5 Aldrin

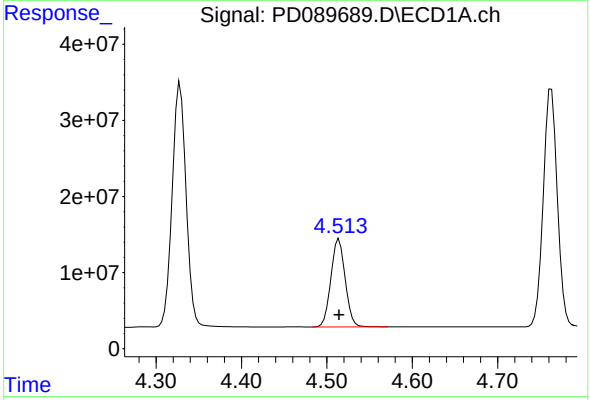
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 349241334
Conc: 75.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



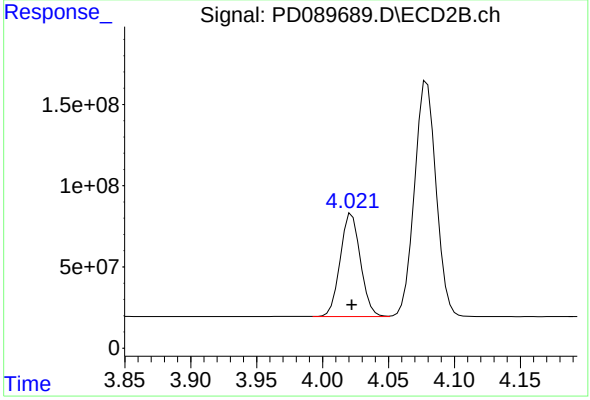
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1591407900
Conc: 72.76 ng/ml



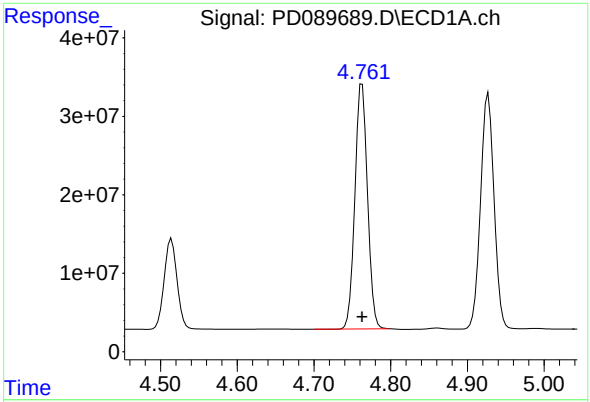
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 134391306
Conc: 73.69 ng/ml



#6 beta-BHC

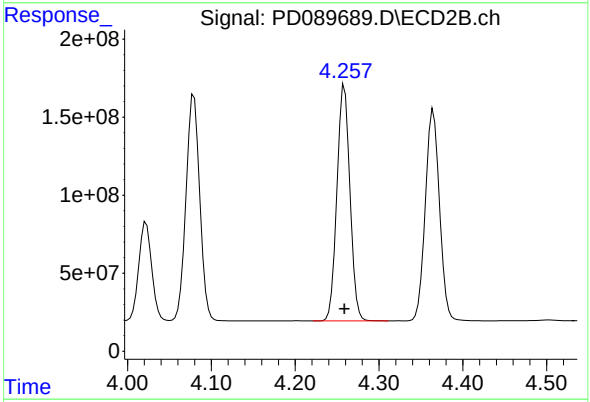
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 678115739
Conc: 72.13 ng/ml



#7 delta-BHC

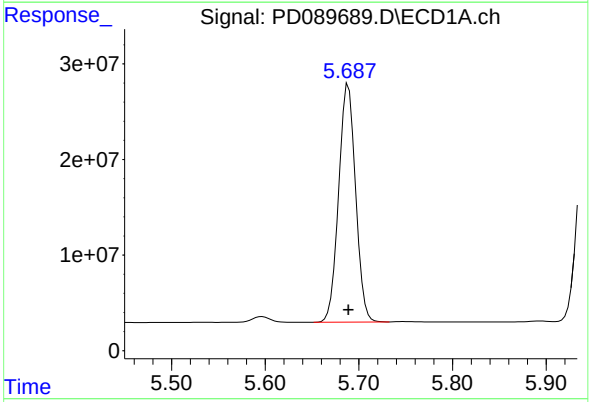
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 358177063
Conc: 76.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



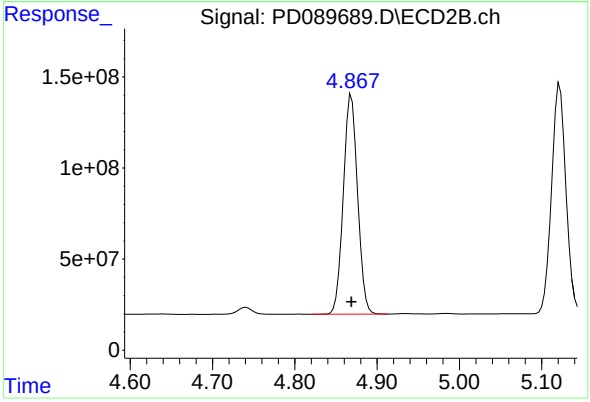
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1631363877
Conc: 73.03 ng/ml



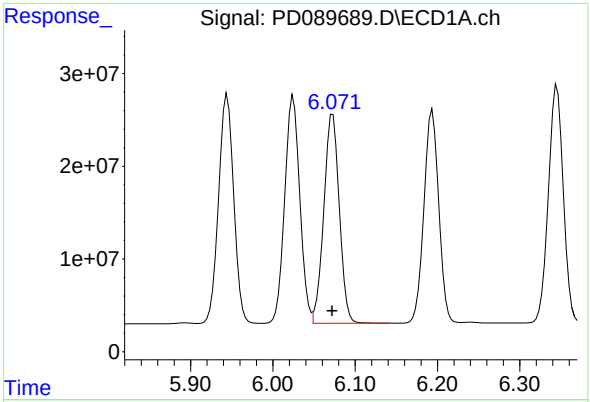
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 313403145
Conc: 75.54 ng/ml



#8 Heptachlor epoxide

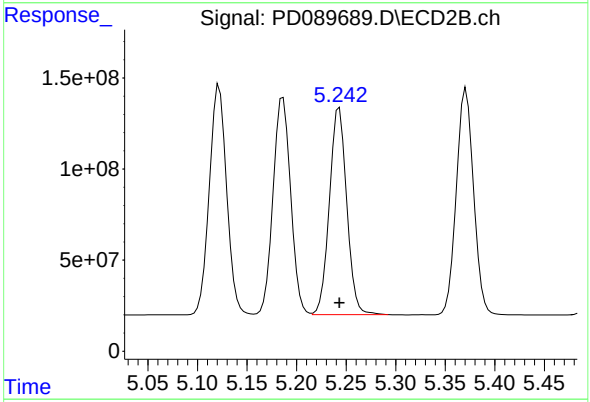
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1455352641
Conc: 72.42 ng/ml



#9 Endosulfan I

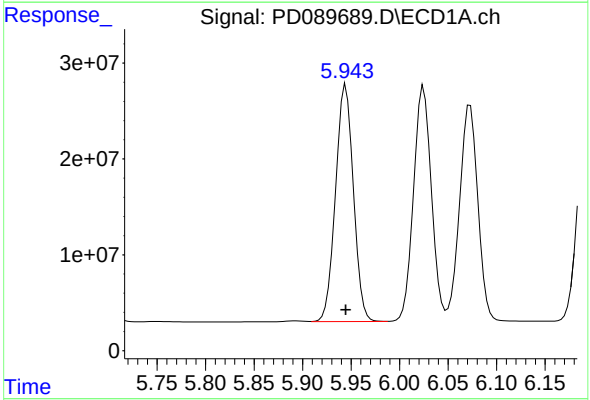
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 295740738
Conc: 75.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



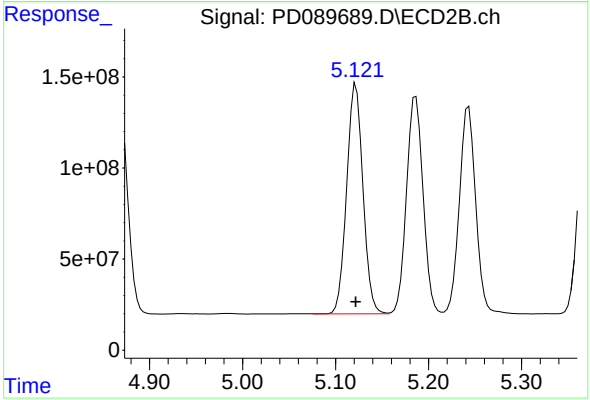
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1384276362
Conc: 72.49 ng/ml



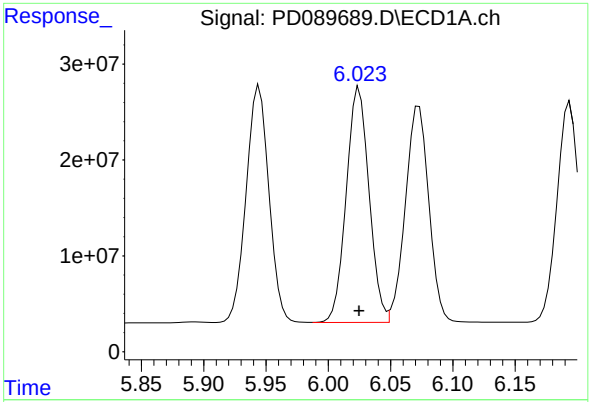
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 316481667
Conc: 75.95 ng/ml



#10 gamma-Chlordane

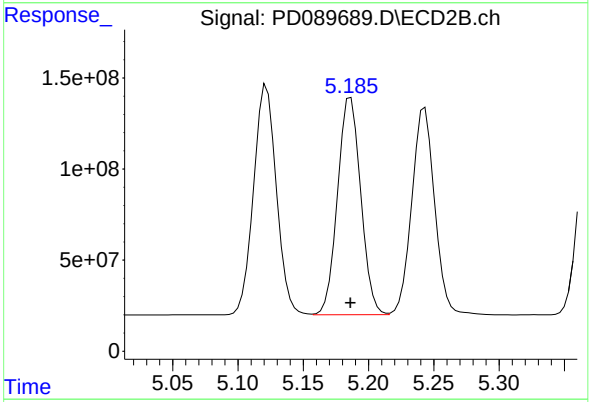
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1536831872
Conc: 72.55 ng/ml



#11 alpha-Chlordane

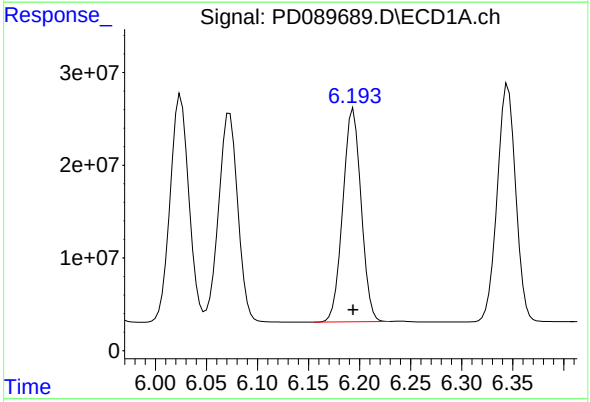
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 314259987
Conc: 75.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



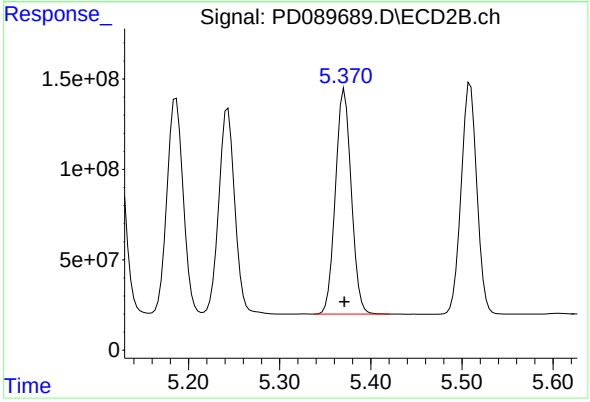
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1475882009
Conc: 72.67 ng/ml



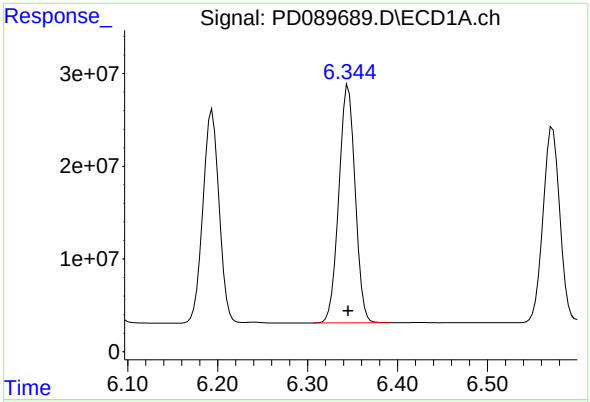
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 286334437
Conc: 76.36 ng/ml



#12 4,4'-DDE

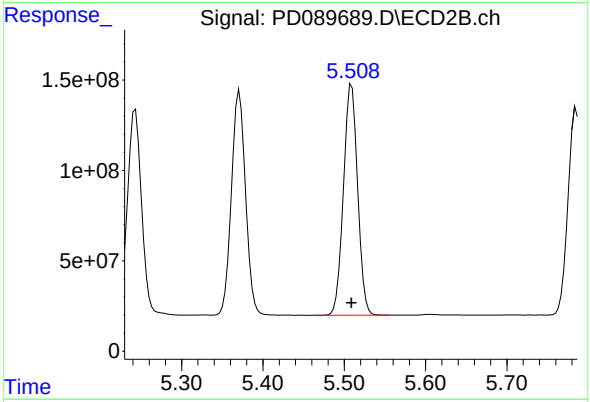
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1504841669
Conc: 72.58 ng/ml



#13 Dieldrin

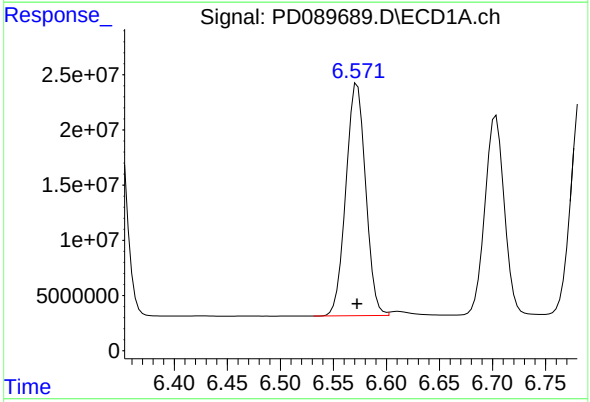
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 322820323
Conc: 76.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



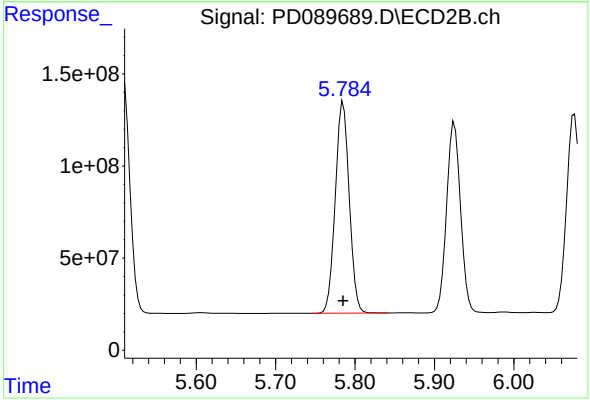
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1541355988
Conc: 72.58 ng/ml



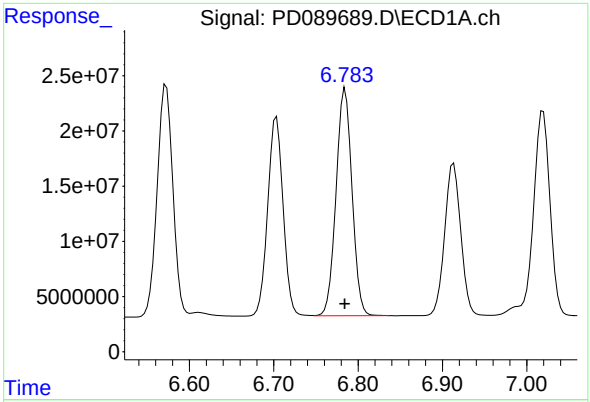
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 272658664
Conc: 76.05 ng/ml



#14 Endrin

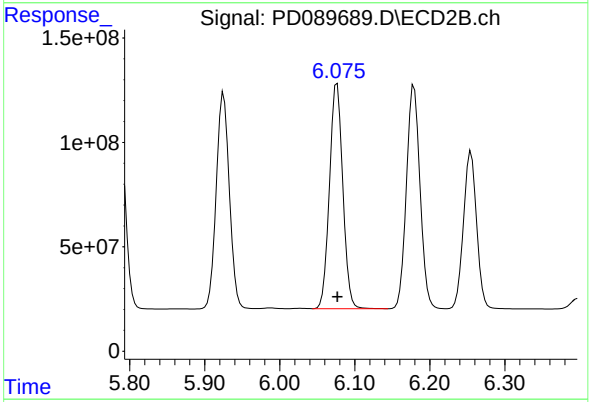
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1402632880
Conc: 72.31 ng/ml



#15 Endosulfan II

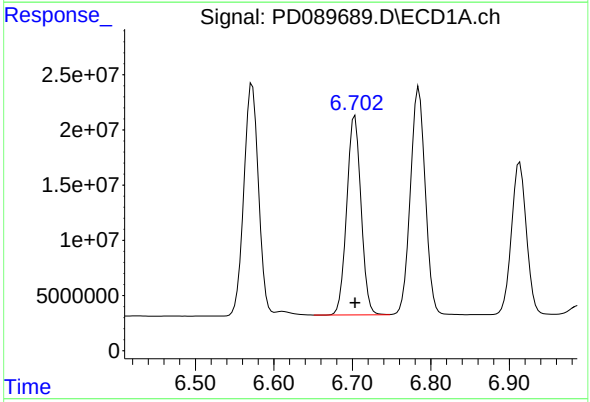
R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 271085392
Conc: 75.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



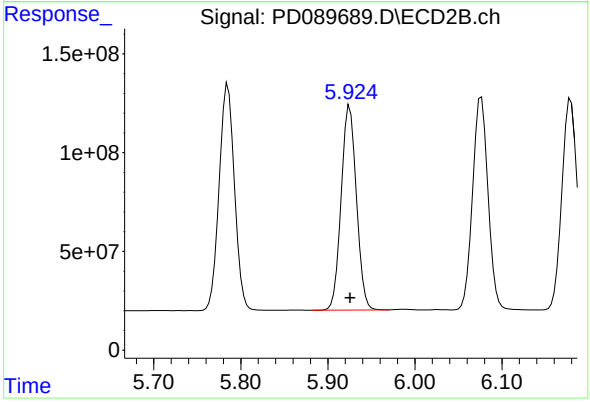
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1331875152
Conc: 72.40 ng/ml



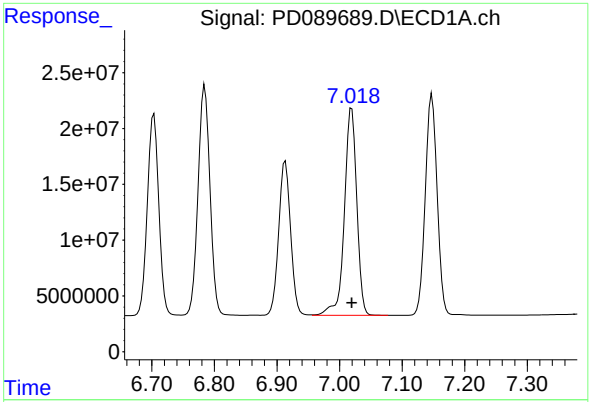
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 228577787
Conc: 76.19 ng/ml



#16 4,4'-DDD

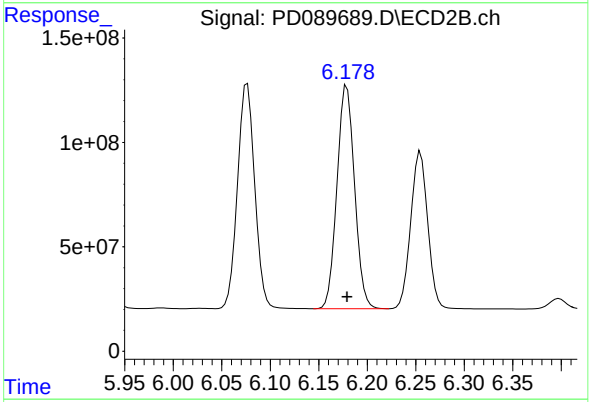
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 1259043880
Conc: 72.55 ng/ml



#17 4,4'-DDT

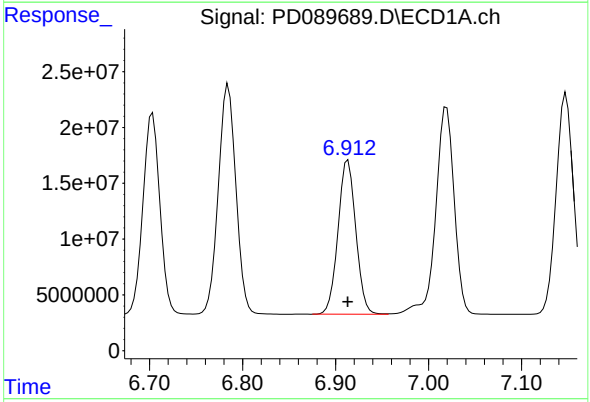
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 256220332
Conc: 76.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



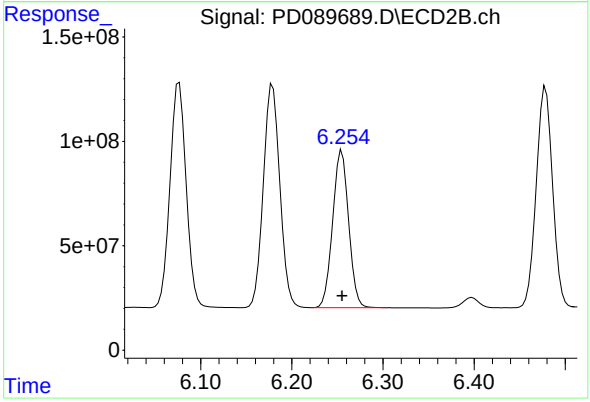
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1348716319
Conc: 73.09 ng/ml



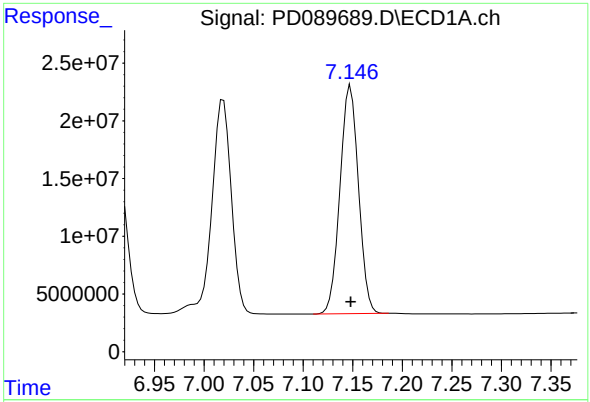
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 183260264
Conc: 74.22 ng/ml



#18 Endrin aldehyde

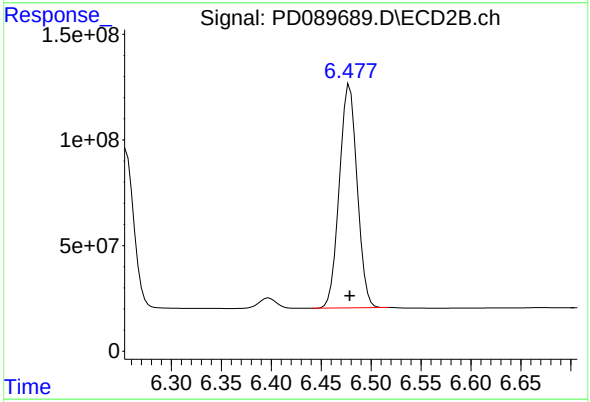
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 916827901
Conc: 72.12 ng/ml



#19 Endosulfan Sulfate

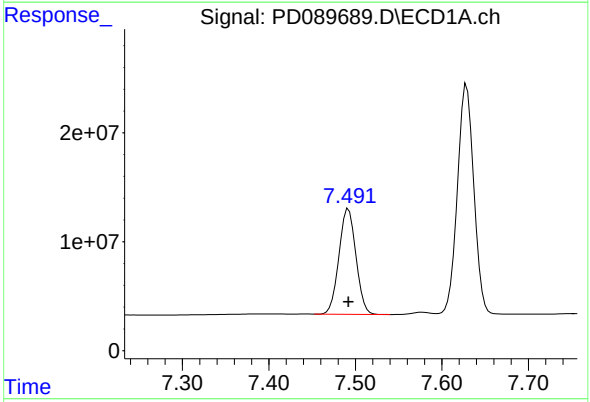
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 257022941
Conc: 74.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



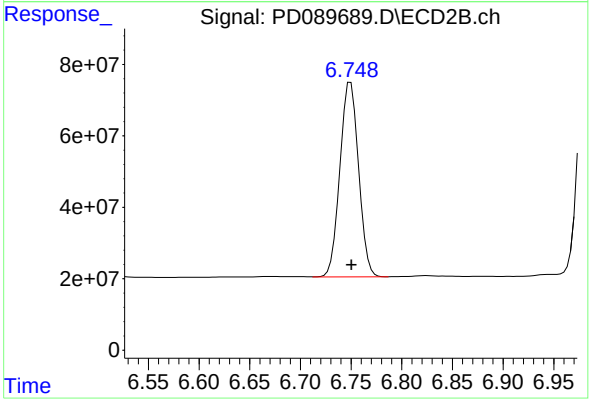
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 1313608865
Conc: 72.43 ng/ml



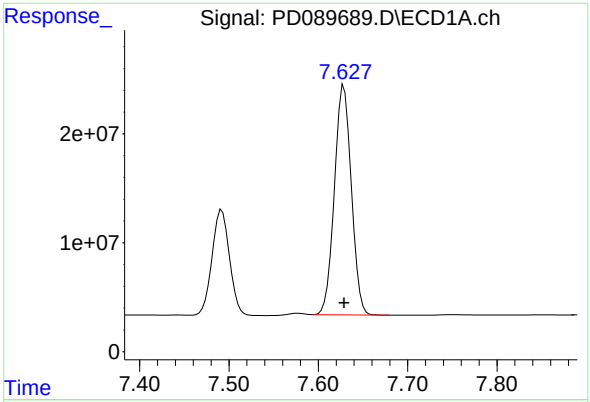
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 131318882
Conc: 73.89 ng/ml



#20 Methoxychlor

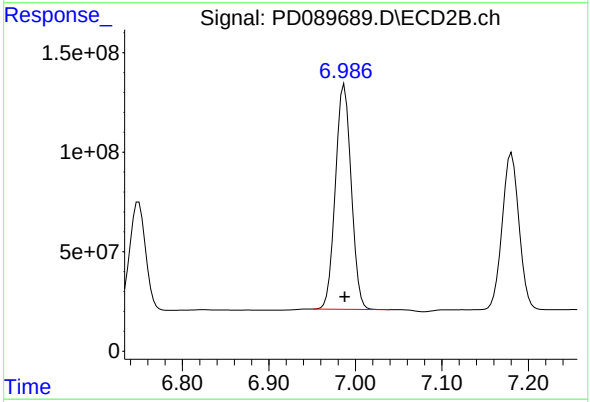
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 697255608
Conc: 71.86 ng/ml



#21 Endrin ketone

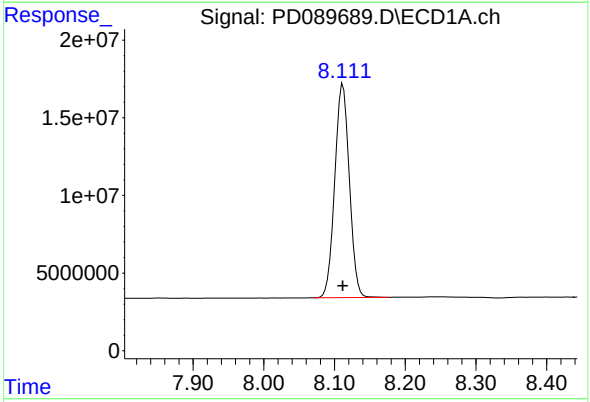
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 277474895
Conc: 74.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



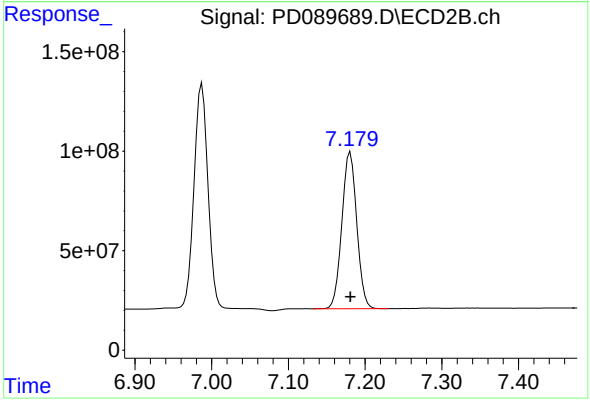
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1426764842
Conc: 72.28 ng/ml



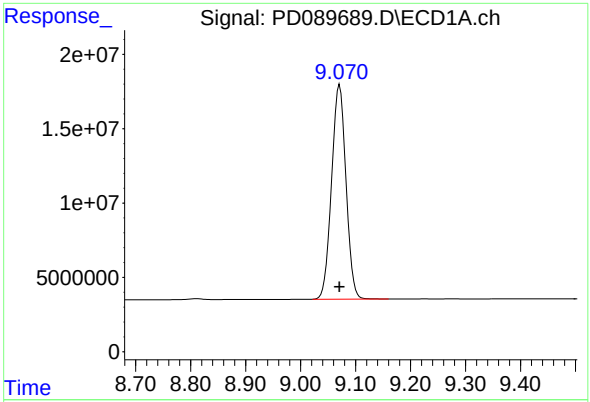
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 197203191
Conc: 72.81 ng/ml



#22 Mirex

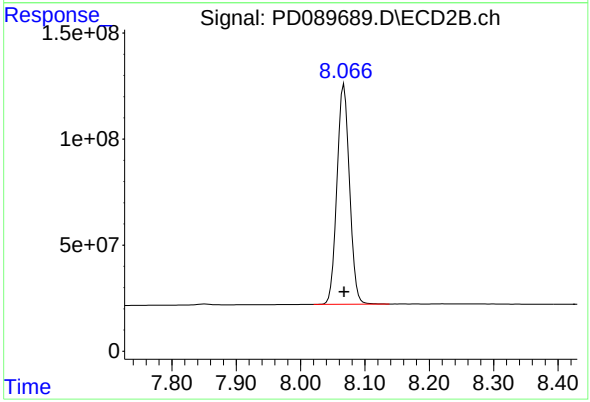
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 1065346353
Conc: 71.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 262496192
Conc: 72.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 1406423073
Conc: 71.70 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:41
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	12728556	89152363	5.181	5.768
28)	SA Decachlor...	9.070	8.068	21262032	114.2E6	5.874	5.821
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	21991813	131.1E6	4.339	5.471 #
3)	MA gamma-BHC...	4.328	3.726	22352025	122.2E6	4.636	5.521
4)	MA Heptachlor	4.927	4.079	23169413	128.5E6	4.789	5.653
5)	MB Aldrin	5.268	4.365	21817288	121.2E6	4.741	5.543
6)	B beta-BHC	4.514	4.022	9828461	54697788	5.389	5.818
7)	B delta-BHC	4.762	4.259	20752633	123.6E6	4.437	5.532
8)	B Heptachlo...	5.688	4.869	21263659	114.2E6	5.125	5.685
9)	A Endosulfan I	6.072	5.243	20149074	109.2E6	5.114	5.721
10)	B gamma-Chl...	5.943	5.122	20699286	120.0E6	4.968	5.665
11)	B alpha-Chl...	6.024	5.186	21350809	116.5E6	5.111	5.734
12)	B 4,4'-DDE	6.193	5.371	17748555	116.0E6	4.733	5.593
13)	MA Dieldrin	6.345	5.509	20395942	119.2E6	4.813	5.611
14)	MA Endrin	6.571	5.786	17435369	114.2E6	4.863	5.886
15)	B Endosulfa...	6.784	6.077	19400476	104.7E6	5.385	5.693
16)	A 4,4'-DDD	6.703	5.926	14539424	96121739	4.847	5.539
17)	MA 4,4'-DDT	7.019	6.180	16301577	92950908	4.836	5.037
18)	B Endrin al...	6.913	6.255	13178471	70660838	5.337	5.558
19)	B Endosulfa...	7.147	6.478	18066498	103.7E6	5.263	5.719
20)	A Methoxychlor	7.491	6.750	9351951	53085396	5.262	5.471
21)	B Endrin ke...	7.628	6.987	18813895	110.2E6	5.084	5.581
22)	Mirex	8.111	7.181	15861435	86238194	5.856	5.817

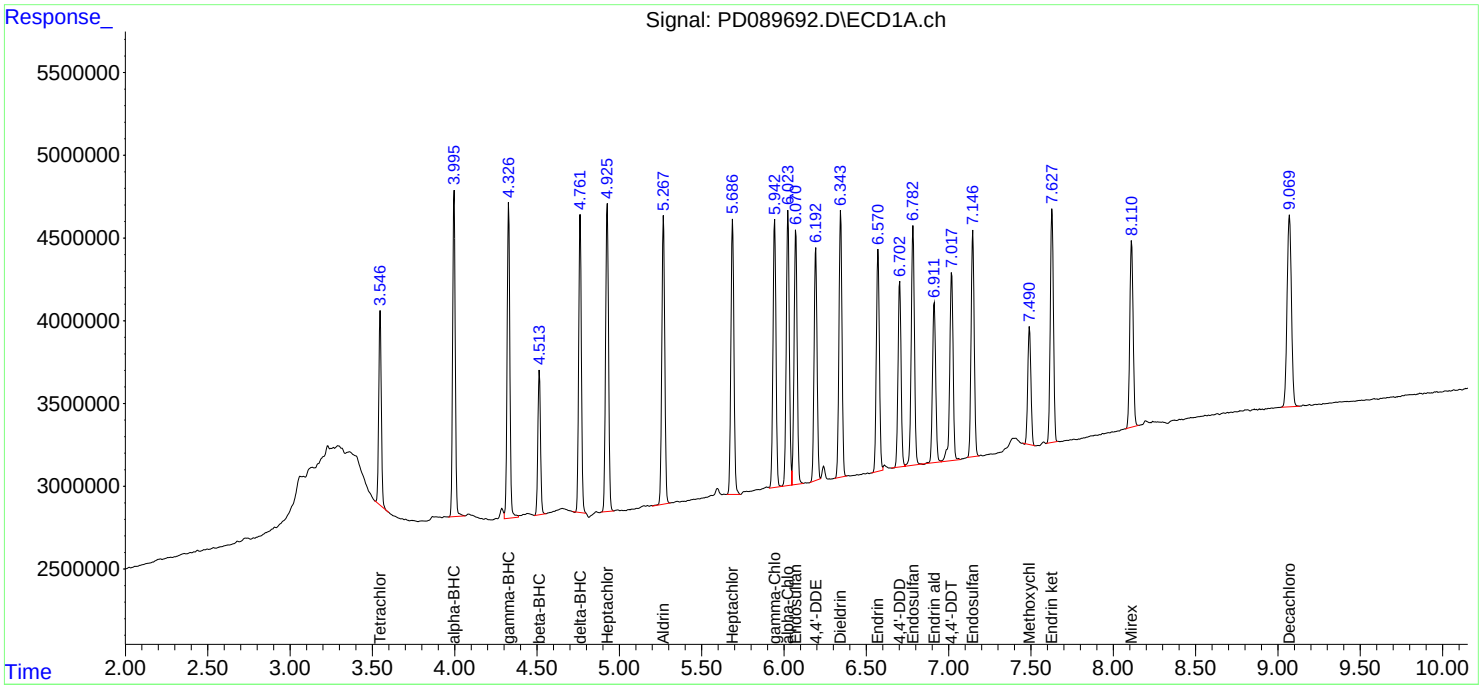
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

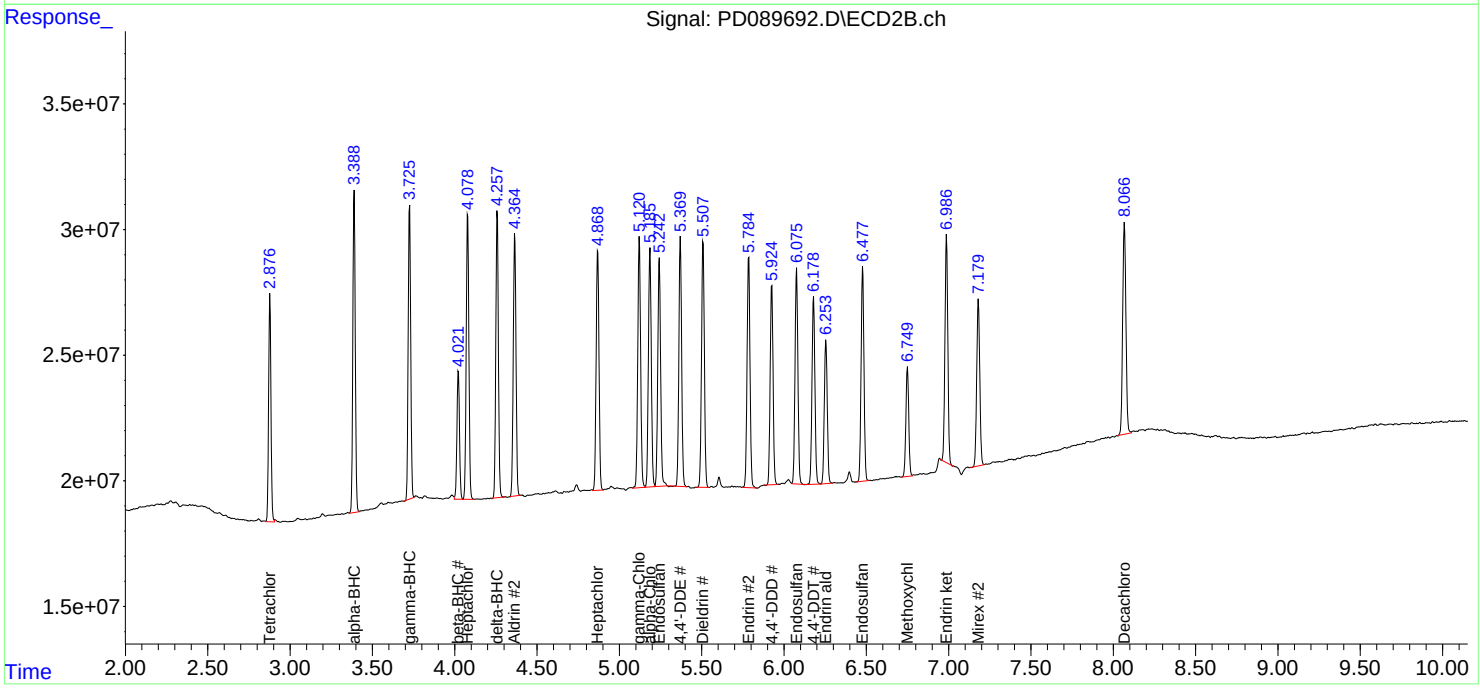
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:41
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

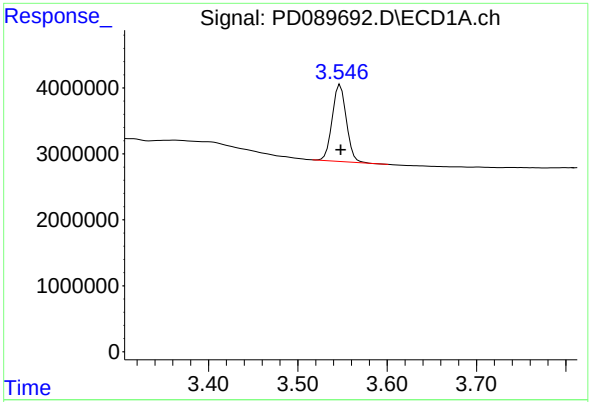
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



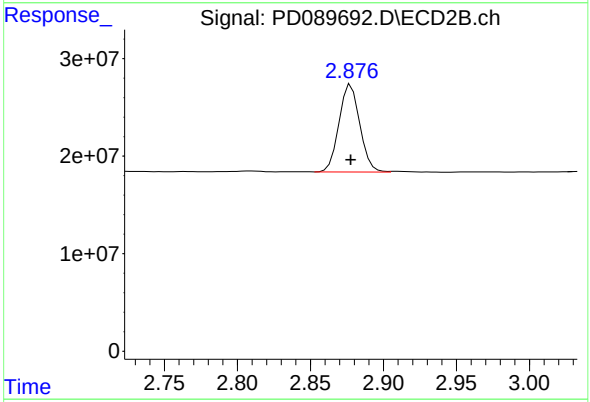




#1 Tetrachloro-m-xylene

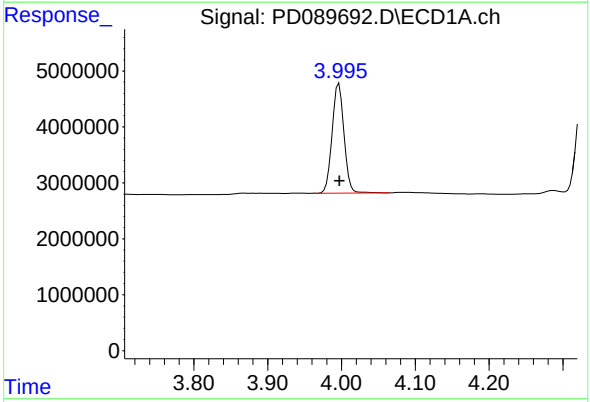
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 12728556
Conc: 5.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



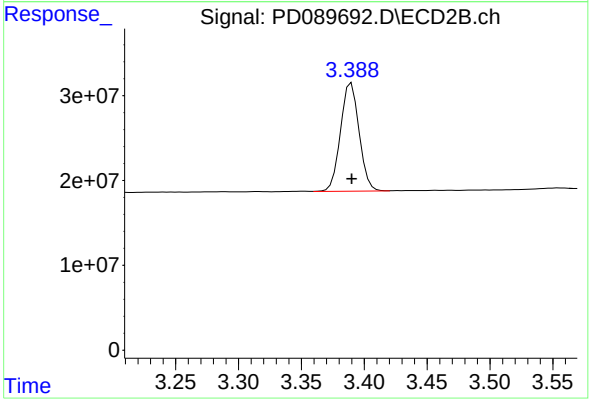
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 89152363
Conc: 5.77 ng/ml



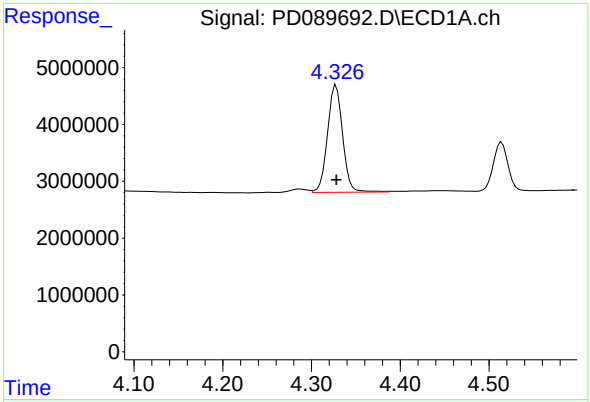
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 21991813
Conc: 4.34 ng/ml



#2 alpha-BHC

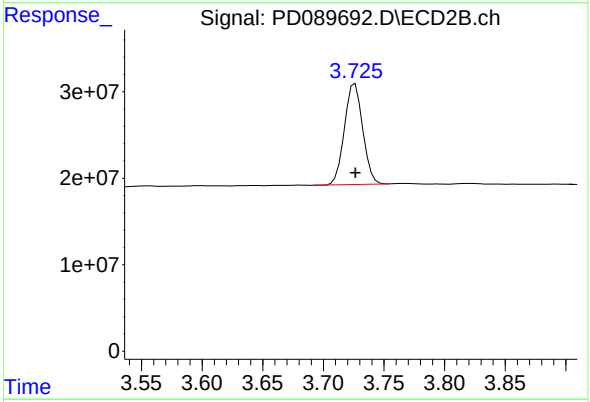
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 131148550
Conc: 5.47 ng/ml



#3 gamma-BHC (Lindane)

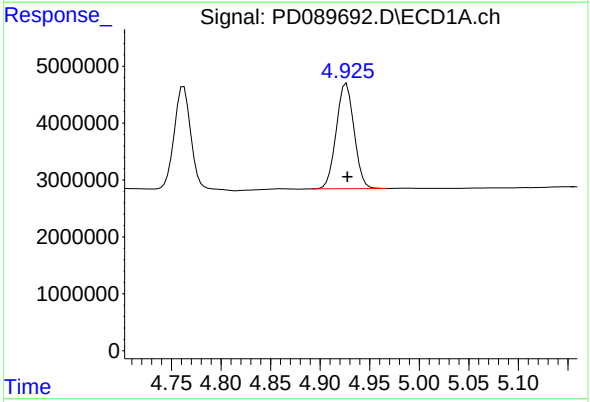
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 22352025
Conc: 4.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



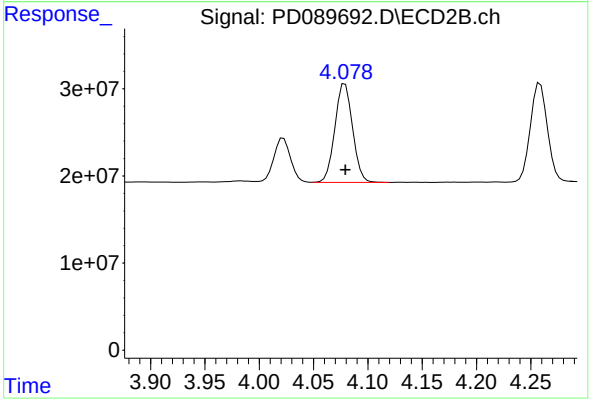
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 122229885
Conc: 5.52 ng/ml



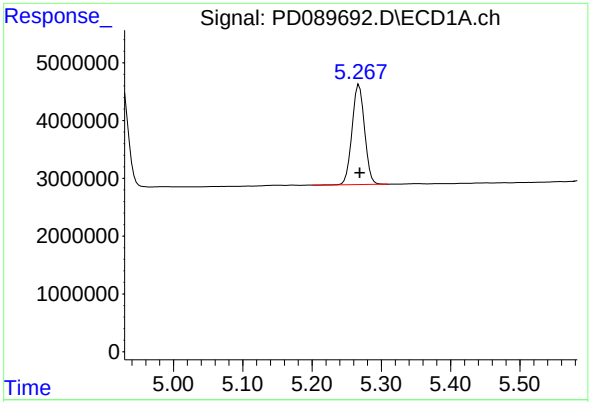
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 23169413
Conc: 4.79 ng/ml



#4 Heptachlor

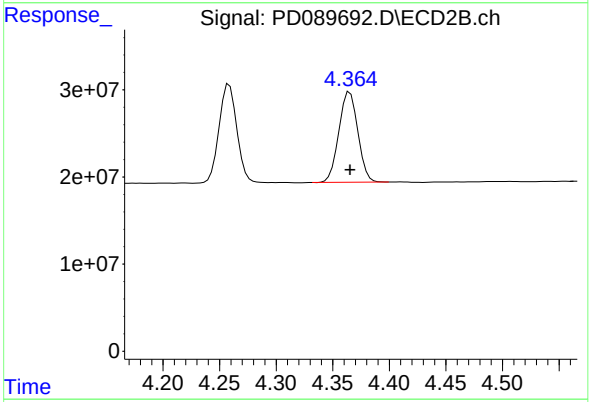
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 128504249
Conc: 5.65 ng/ml



#5 Aldrin

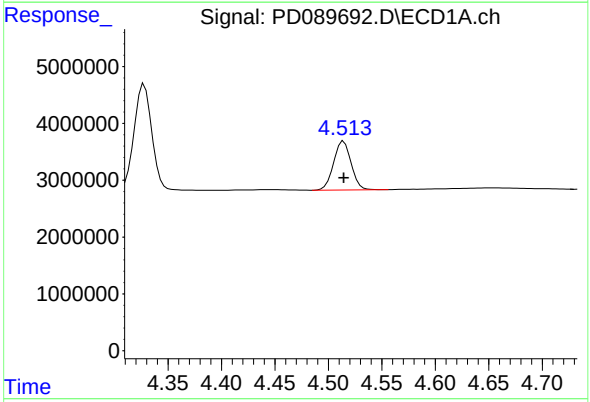
R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 21817288
Conc: 4.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



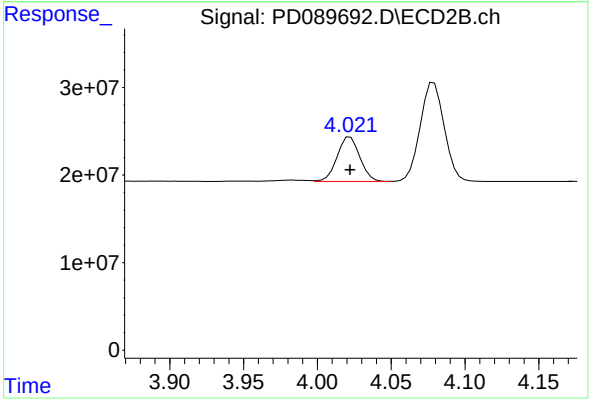
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 121229253
Conc: 5.54 ng/ml



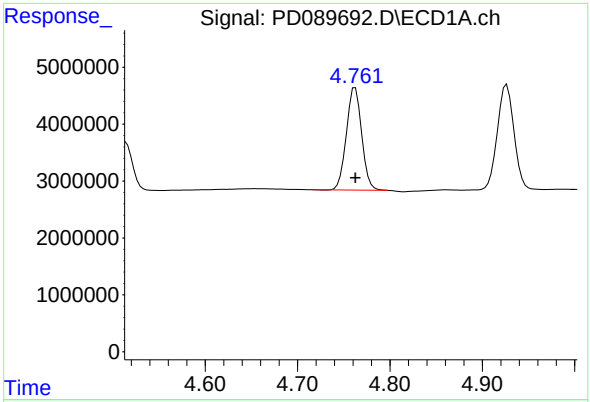
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 9828461
Conc: 5.39 ng/ml



#6 beta-BHC

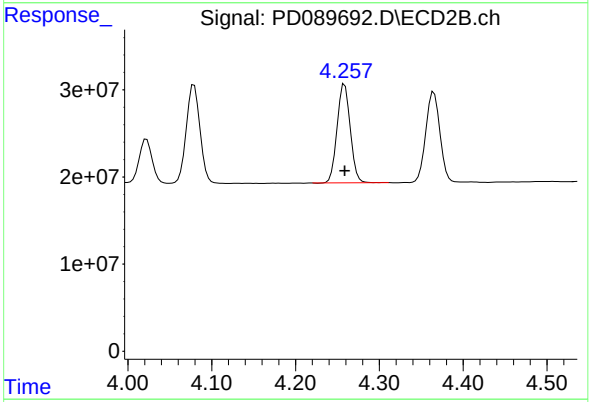
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 54697788
Conc: 5.82 ng/ml



#7 delta-BHC

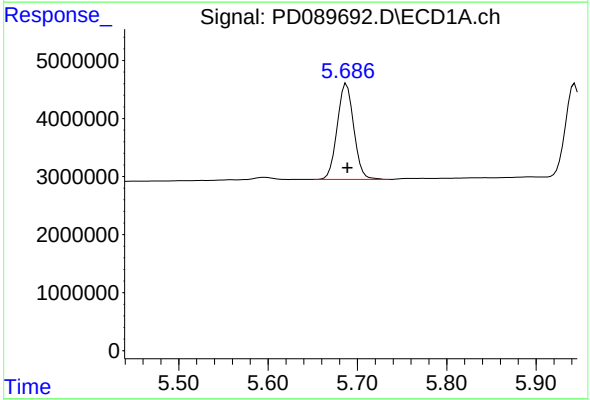
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 20752633
Conc: 4.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



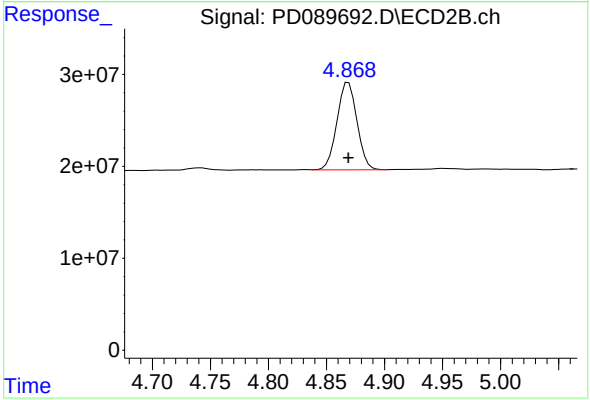
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 123568766
Conc: 5.53 ng/ml



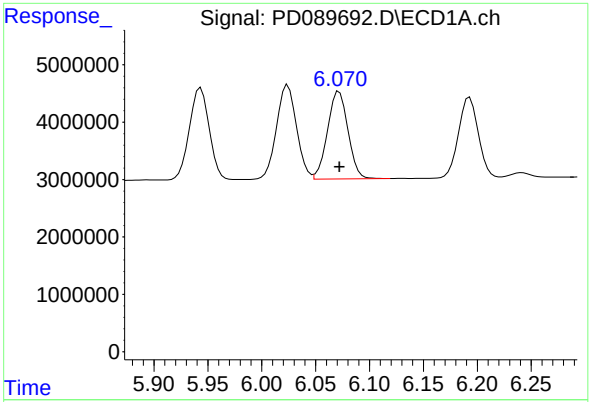
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 21263659
Conc: 5.13 ng/ml



#8 Heptachlor epoxide

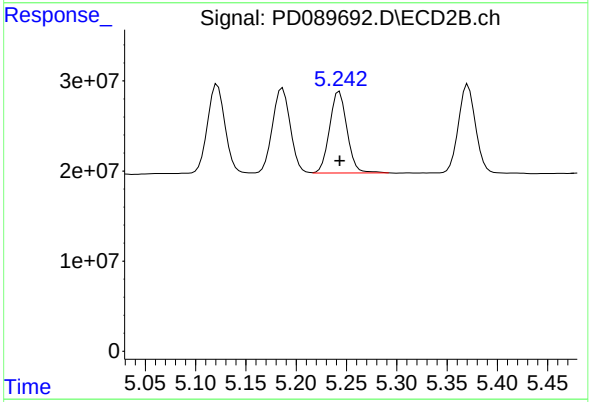
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 114241935
Conc: 5.68 ng/ml



#9 Endosulfan I

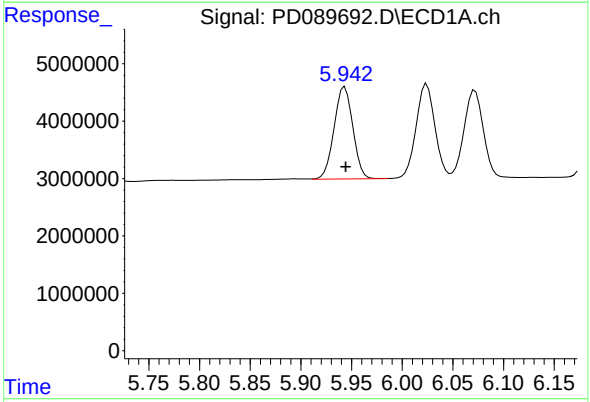
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 20149074
Conc: 5.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



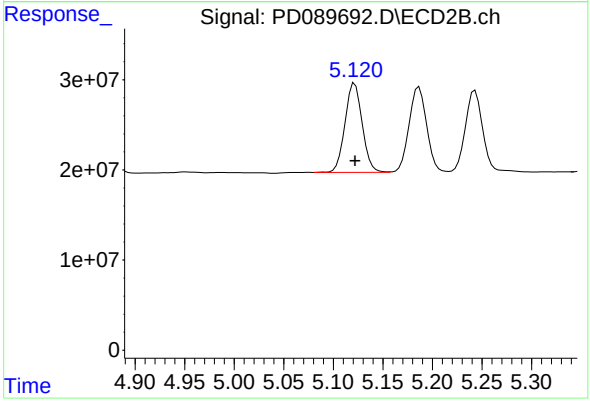
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 109238513
Conc: 5.72 ng/ml



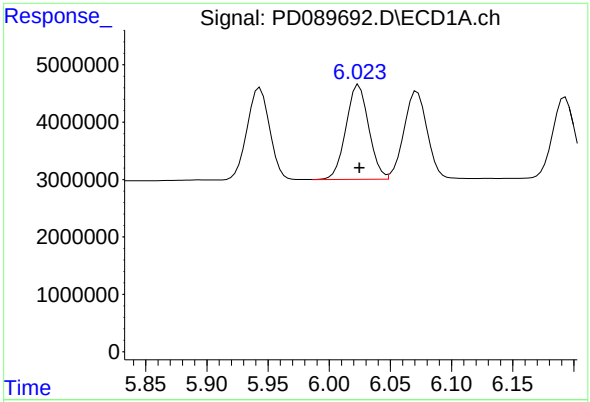
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 20699286
Conc: 4.97 ng/ml



#10 gamma-Chlordane

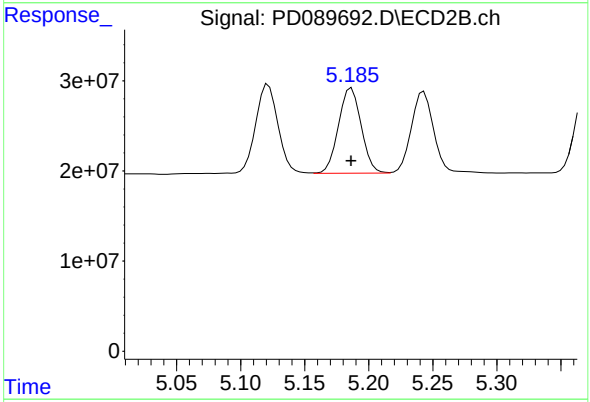
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 119998477
Conc: 5.66 ng/ml



#11 alpha-Chlordane

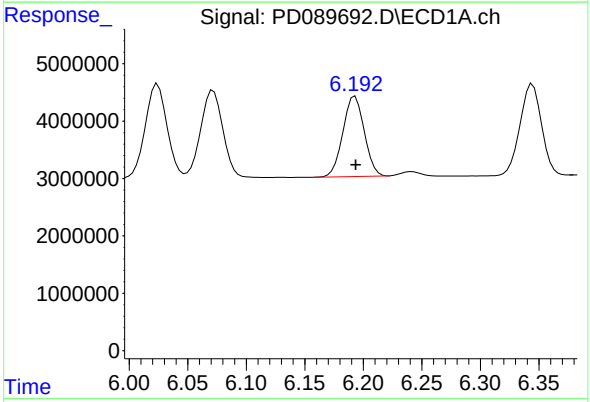
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 21350809
Conc: 5.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



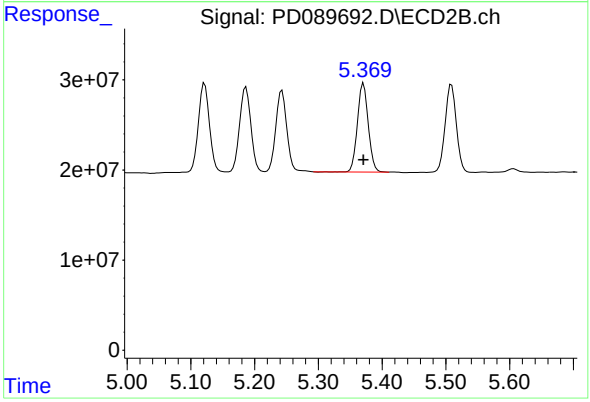
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 116463399
Conc: 5.73 ng/ml



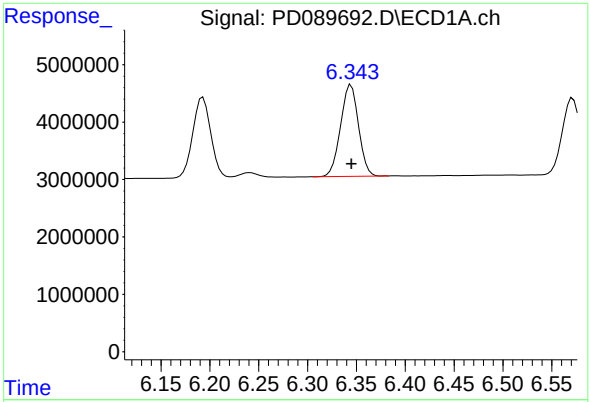
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 17748555
Conc: 4.73 ng/ml



#12 4,4'-DDE

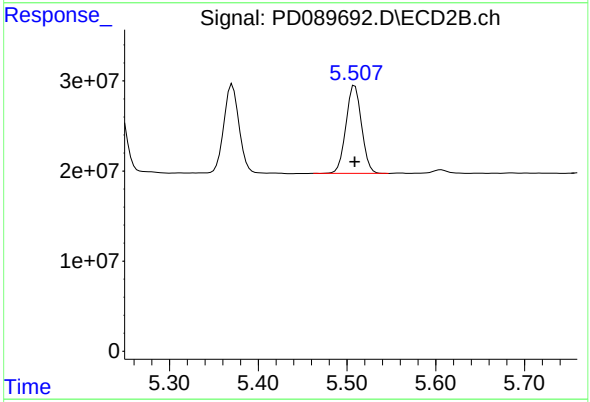
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 115956653
Conc: 5.59 ng/ml



#13 Dieldrin

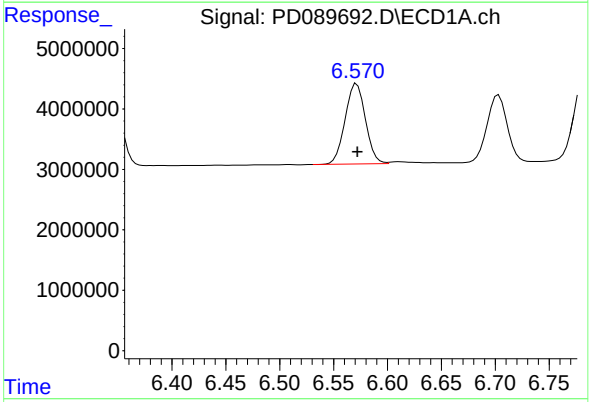
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 20395942
Conc: 4.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



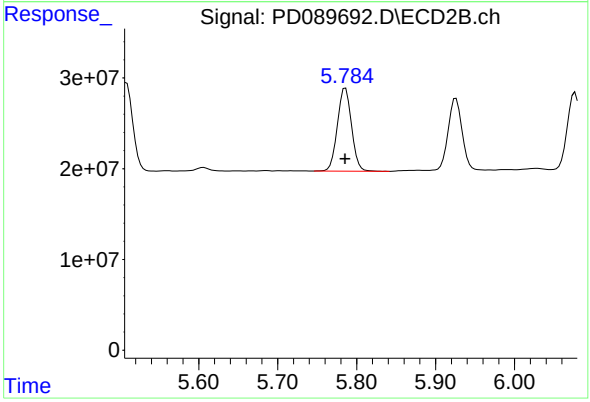
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 119161575
Conc: 5.61 ng/ml



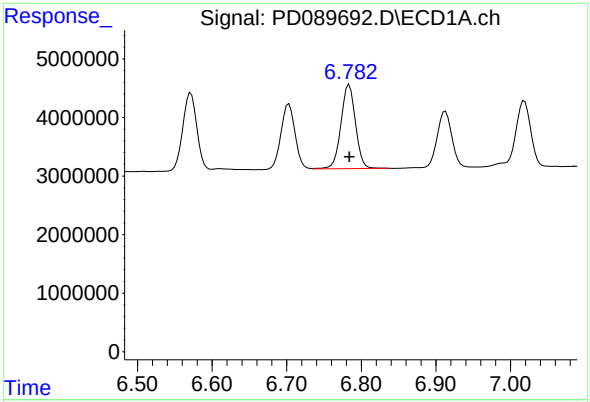
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 17435369
Conc: 4.86 ng/ml



#14 Endrin

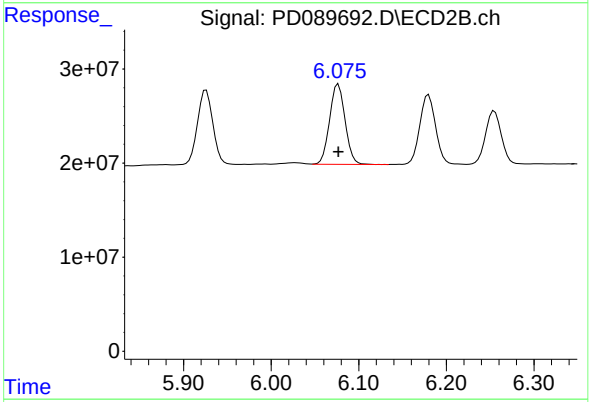
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 114167545
Conc: 5.89 ng/ml



#15 Endosulfan II

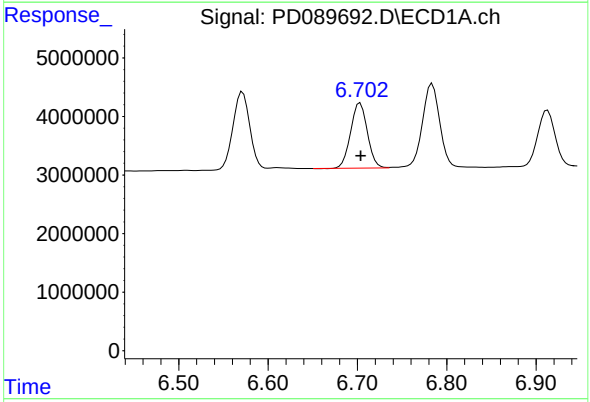
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 19400476
Conc: 5.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



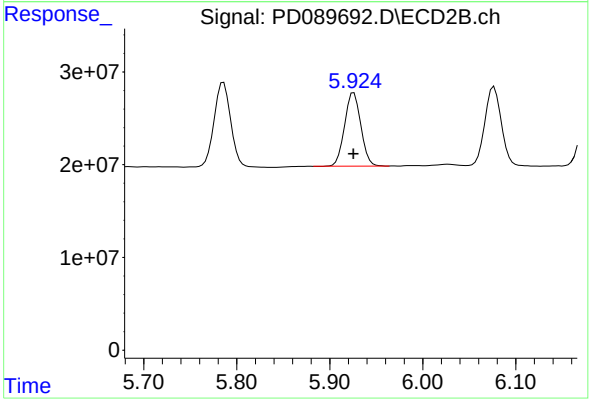
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 104732061
Conc: 5.69 ng/ml



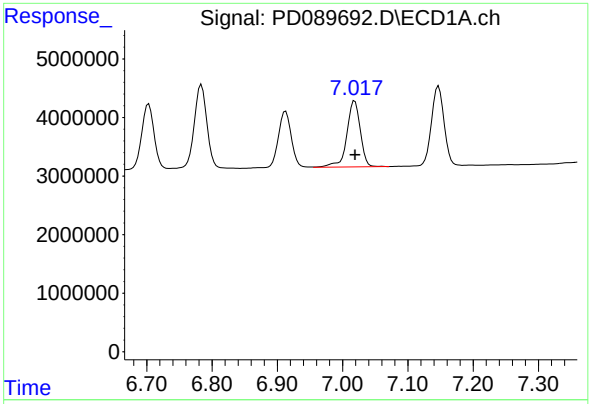
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 14539424
Conc: 4.85 ng/ml



#16 4,4'-DDD

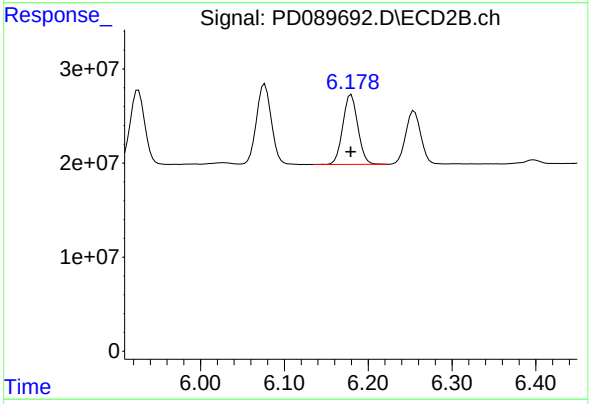
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 96121739
Conc: 5.54 ng/ml



#17 4,4'-DDT

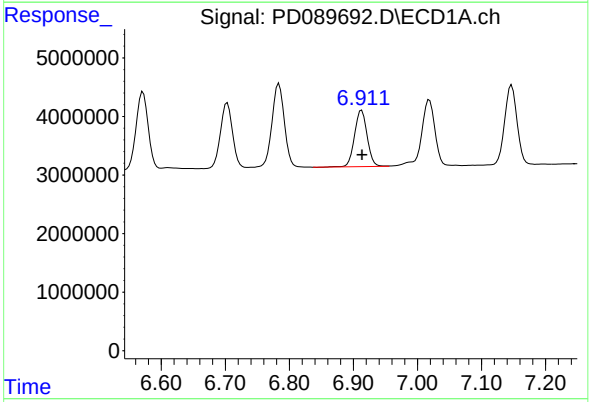
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 16301577
Conc: 4.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



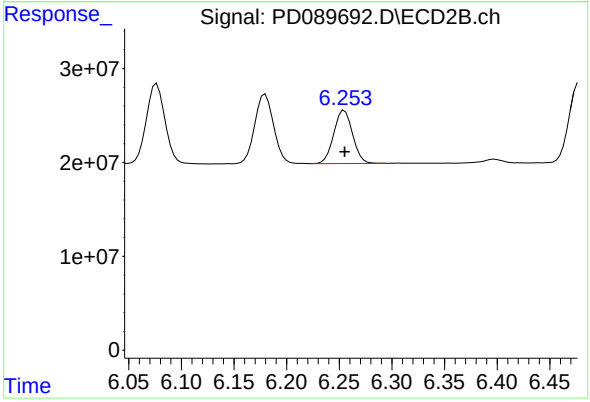
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 92950908
Conc: 5.04 ng/ml



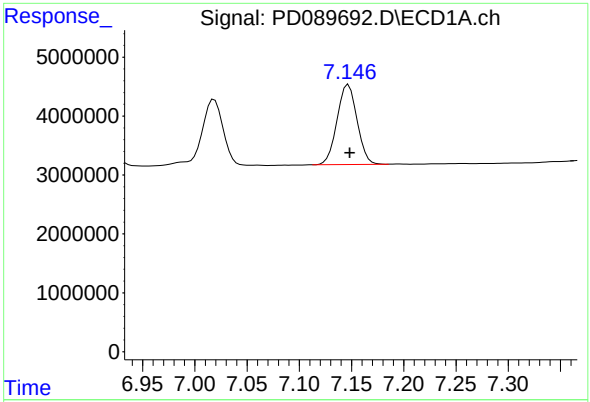
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 13178471
Conc: 5.34 ng/ml



#18 Endrin aldehyde

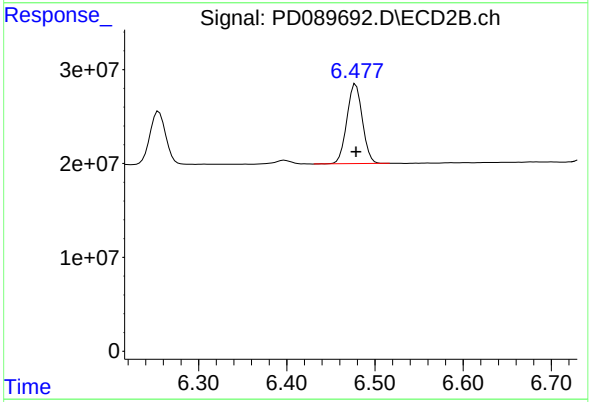
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 70660838
Conc: 5.56 ng/ml



#19 Endosulfan Sulfate

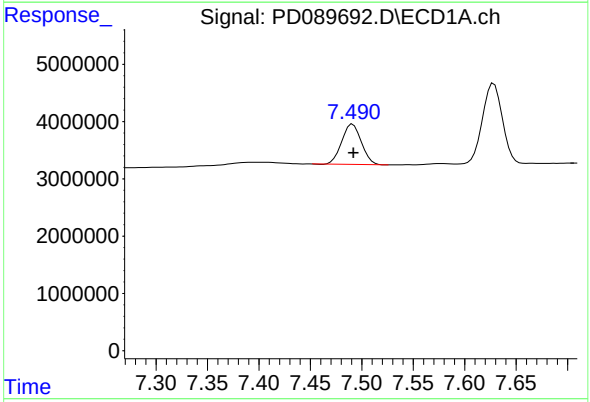
R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 18066498
Conc: 5.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



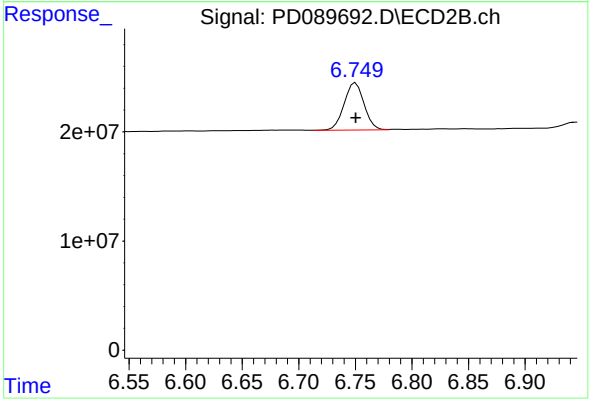
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 103733686
Conc: 5.72 ng/ml



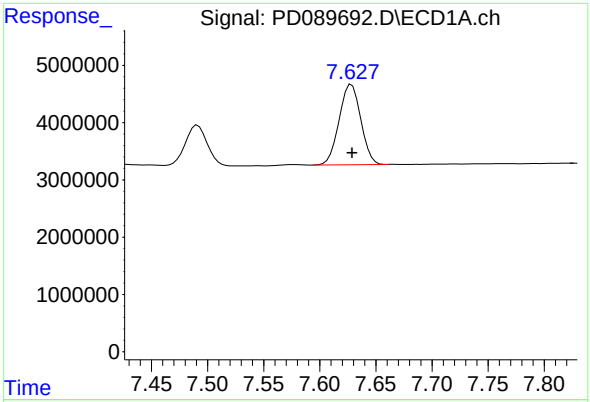
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 9351951
Conc: 5.26 ng/ml



#20 Methoxychlor

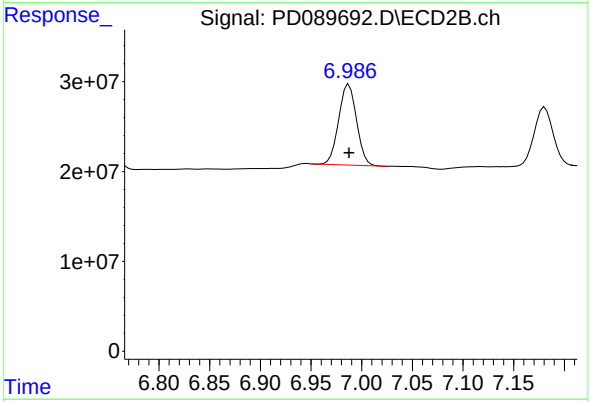
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 53085396
Conc: 5.47 ng/ml



#21 Endrin ketone

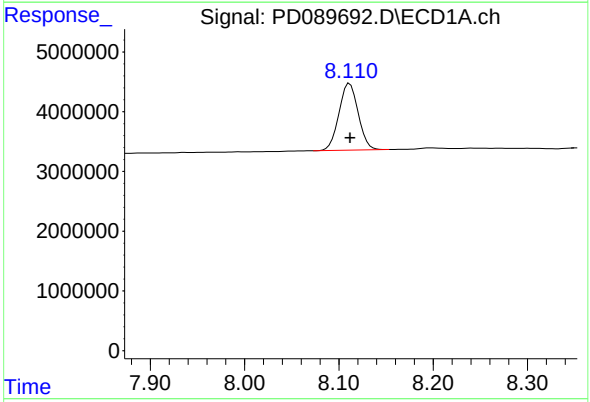
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 18813895
Conc: 5.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



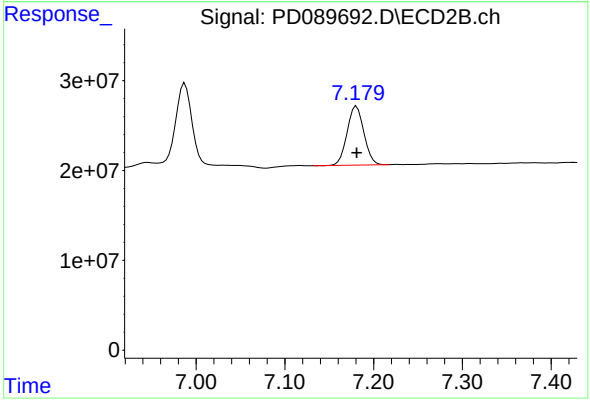
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 110168921
Conc: 5.58 ng/ml



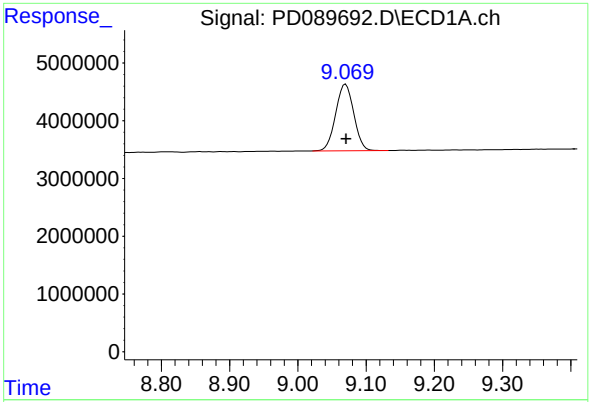
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 15861435
Conc: 5.86 ng/ml



#22 Mirex

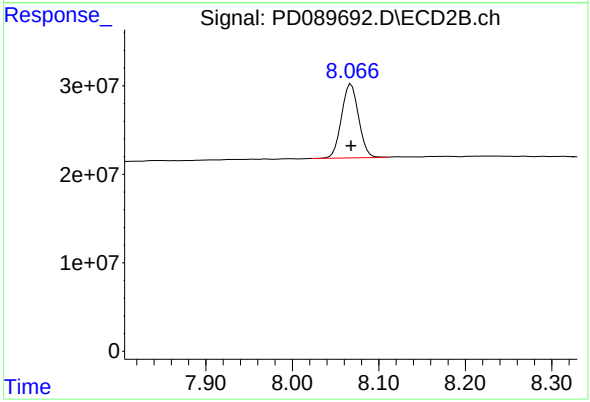
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 86238194
Conc: 5.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 21262032
Conc: 5.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 114169663
Conc: 5.82 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 09:36
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.877	49620256	374.9E6	20.117	23.673	
28)	SA Decachlor...	9.074	8.067	77827584	462.3E6	20.942	23.026	
	Target Compounds							
2)	A alpha-BHC	4.004	3.389	47657645	308.6E6	9.621	12.698	#
3)	MA gamma-BHC...	4.335	3.726	46749824	284.8E6	9.837	12.644	#
4)	MA Heptachlor	4.934	4.077	199002	1311358	0.041	0.057	#
5)	MB Aldrin	5.268	4.360	122096	1013014	0.027	0.046	#
6)	B beta-BHC	4.521	4.022	20017370	124.2E6	10.851	12.875	
7)	B delta-BHC	4.765	4.254	368876	693406	0.080	0.031	#
8)	B Heptachlo...	5.687	4.868	3298179	438010	0.789	0.021	#
9)	A Endosulfan I	0.000	5.225f	0	3253309	N.D.	0.166	#
10)	B gamma-Chl...	5.949	5.122	421899	8802639	0.101	0.407	#
11)	B alpha-Chl...	6.037	5.185	760665	7935834	0.181	0.381	#
12)	B 4,4'-DDE	6.200	5.373	135955	2407371	0.036	0.114	#
13)	MA Dieldrin	6.374f	0.000	227425	0	0.054	N.D.	#
14)	MA Endrin	6.578	5.785	173.2E6	1094.3E6	48.406	54.922	
15)	B Endosulfa...	6.774	6.083	312832	3370696	0.085	0.179	#
16)	A 4,4'-DDD	6.709	5.926	6397113	51032115	2.136	2.894	#
17)	MA 4,4'-DDT	7.025	6.179	319.7E6	2032.4E6	95.140	110.621	
18)	B Endrin al...	6.919	6.254	1502029	18960558	0.602	1.467	#
19)	B Endosulfa...	0.000	6.452f	0	1822354	N.D.	0.098	#
20)	A Methoxychlor	7.496	6.749	395.6E6	2203.9E6	221.284	224.990	
21)	B Endrin ke...	7.633	6.986	3576268	47623090	0.963	2.373	#
22)	Mirex	8.120	7.173	225702	4016187	0.081	0.264	#
23)	Chlordane-1	0.000	3.900	0	1335814	N.D.	1.826	#
24)	Chlordane-2	5.255	4.482	287646	2617268	1.693	3.424	#
25)	Chlordane-3	5.949	5.122	421899	8802639	0.615	3.804	#
26)	Chlordane-4	6.037	5.185	760665	7935834	0.909	3.989	#
27)	Chlordane-5	6.873	6.083	27146	3370696	0.188	3.726	#

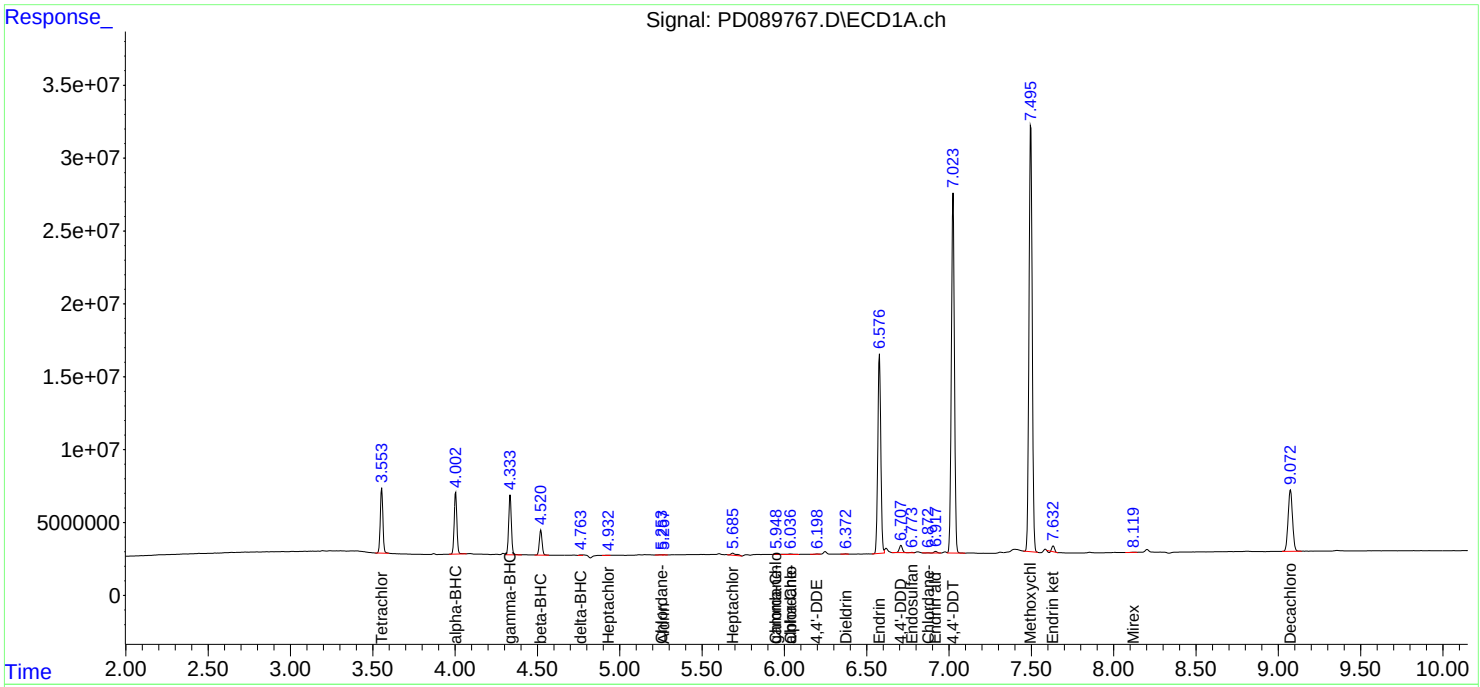
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

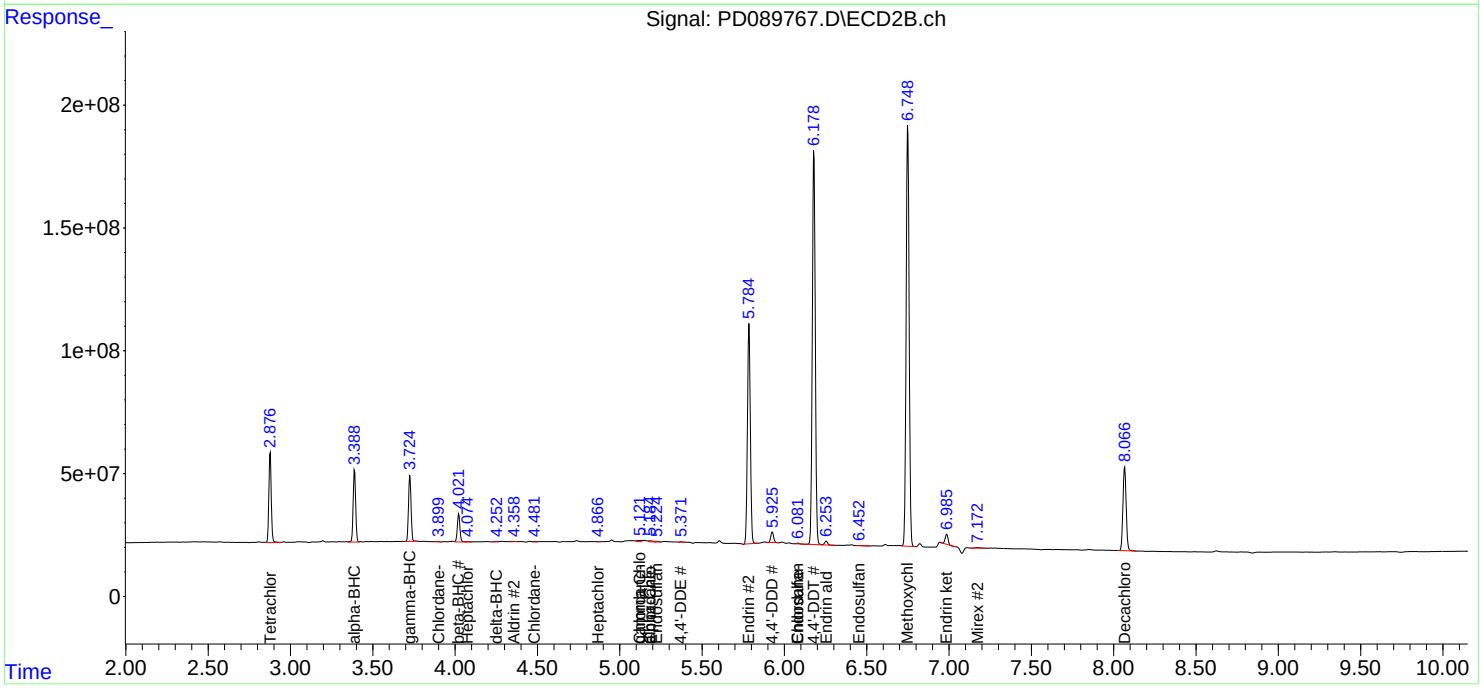
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 09:36
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

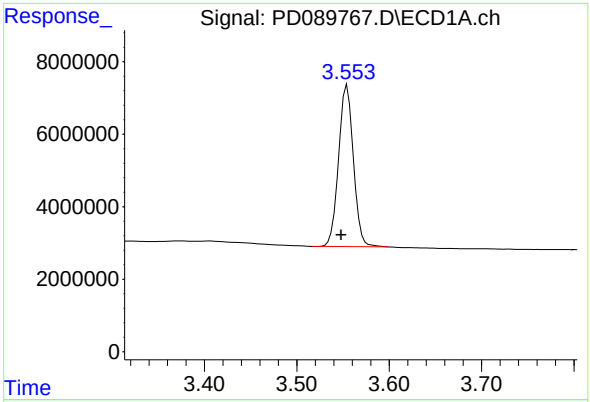
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



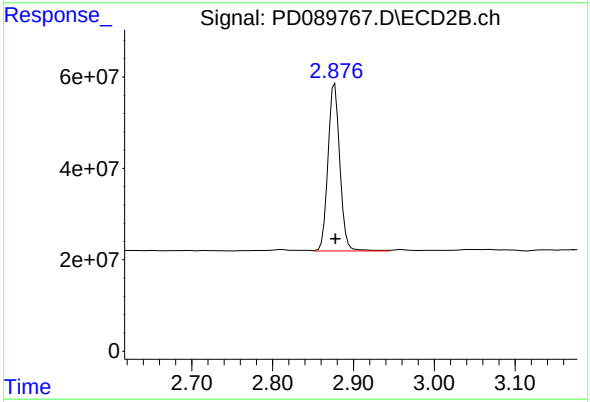




#1 Tetrachloro-m-xylene

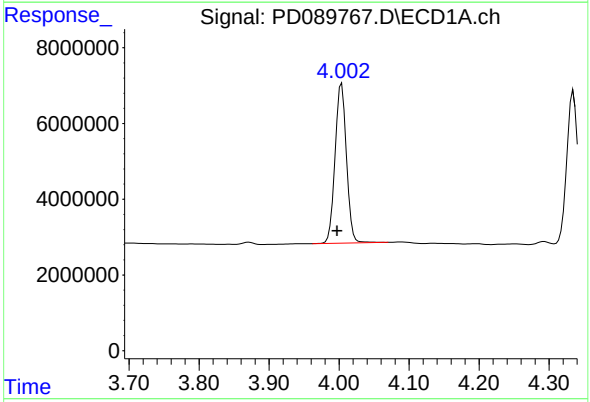
R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 49620256
Conc: 20.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



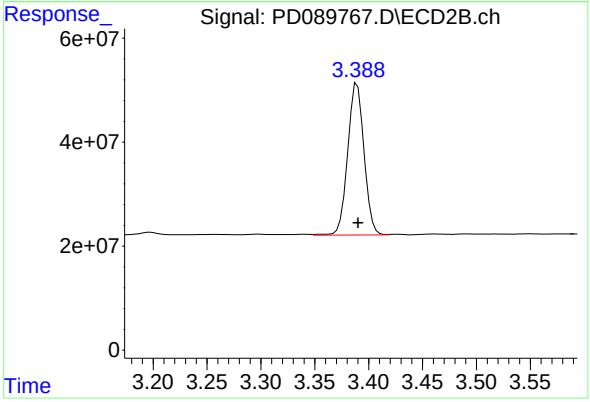
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 374925166
Conc: 23.67 ng/ml



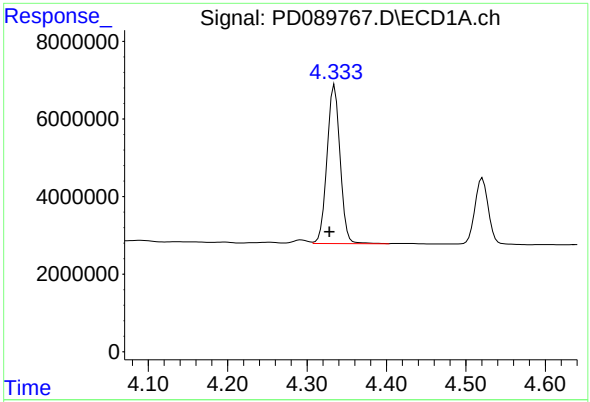
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 47657645
Conc: 9.62 ng/ml



#2 alpha-BHC

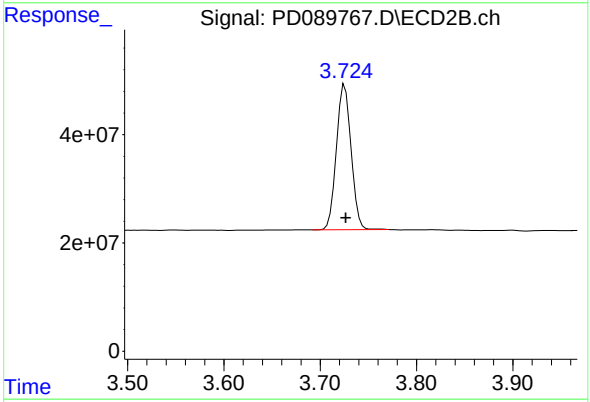
R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 308618288
Conc: 12.70 ng/ml



#3 gamma-BHC (Lindane)

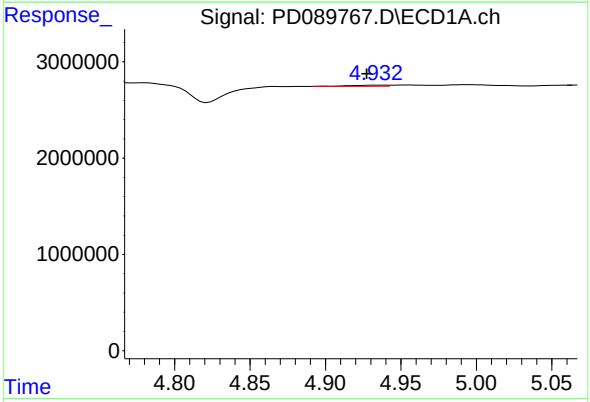
R.T.: 4.335 min
Delta R.T.: 0.006 min
Response: 46749824
Conc: 9.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



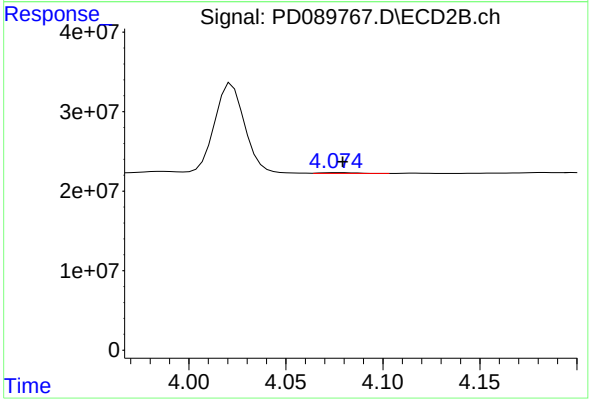
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 284798764
Conc: 12.64 ng/ml



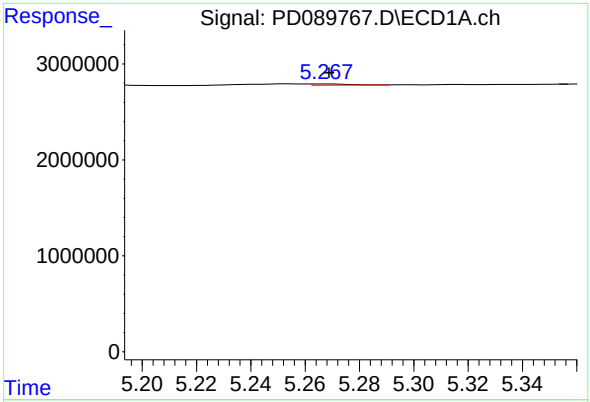
#4 Heptachlor

R.T.: 4.934 min
Delta R.T.: 0.007 min
Response: 199002
Conc: 0.04 ng/ml



#4 Heptachlor

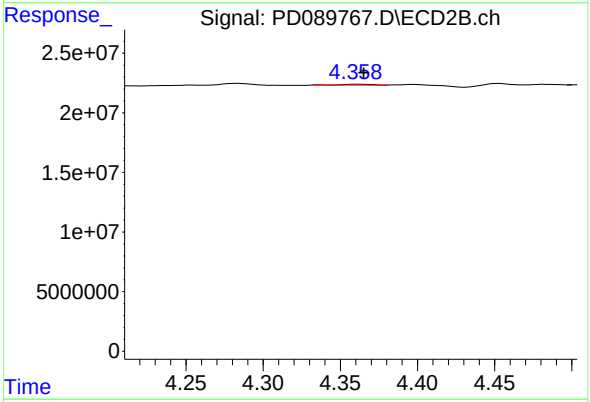
R.T.: 4.077 min
Delta R.T.: -0.003 min
Response: 1311358
Conc: 0.06 ng/ml



#5 Aldrin

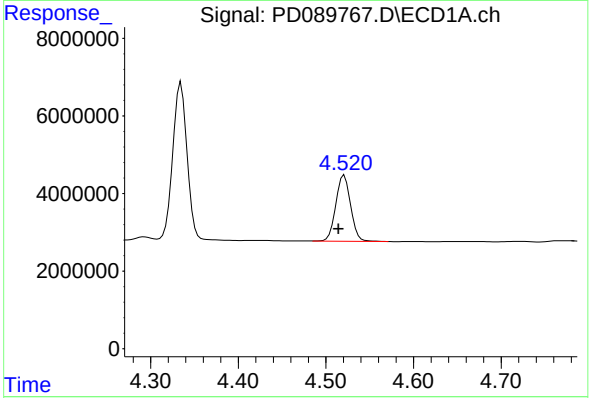
R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 122096
Conc: 0.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



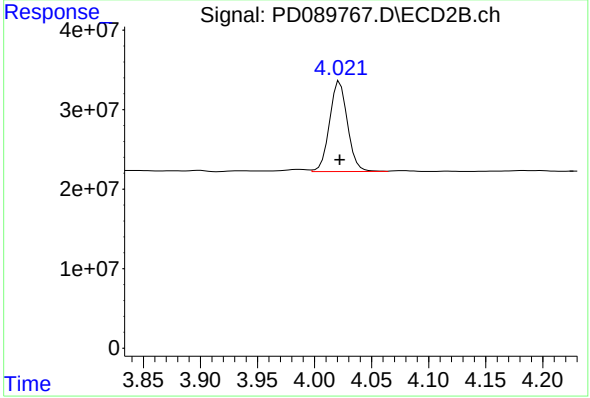
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.005 min
Response: 1013014
Conc: 0.05 ng/ml



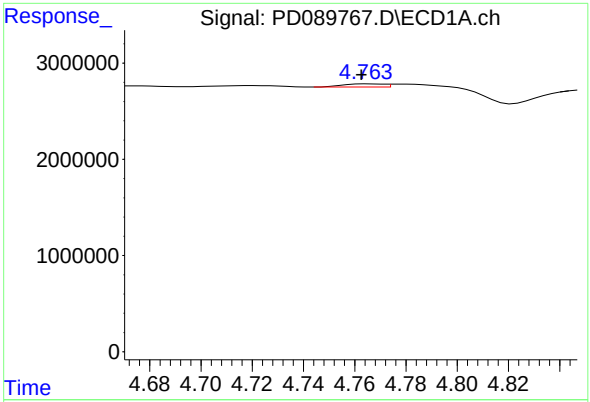
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 20017370
Conc: 10.85 ng/ml



#6 beta-BHC

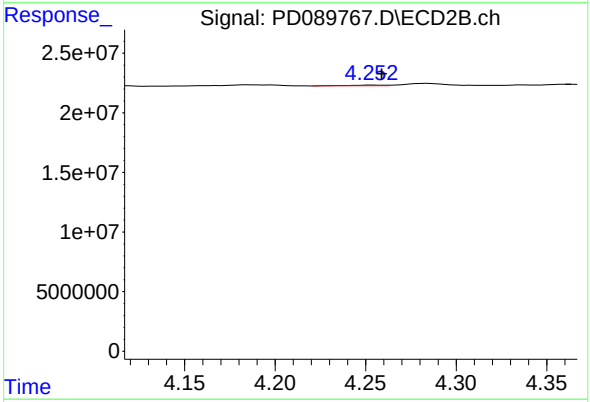
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 124234264
Conc: 12.88 ng/ml



#7 delta-BHC

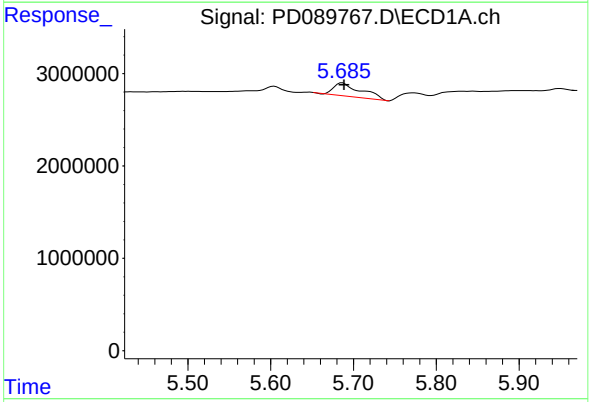
R.T.: 4.765 min
Delta R.T.: 0.002 min
Response: 368876
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



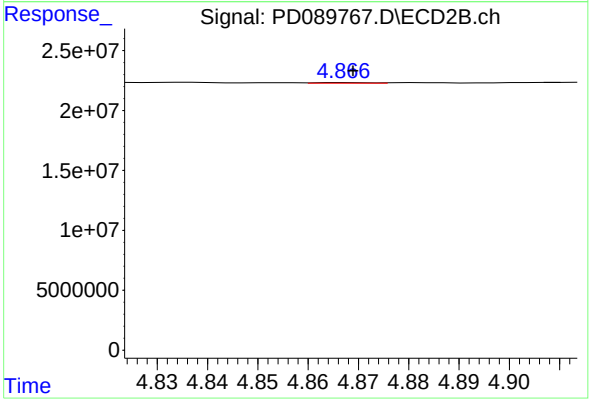
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.005 min
Response: 693406
Conc: 0.03 ng/ml



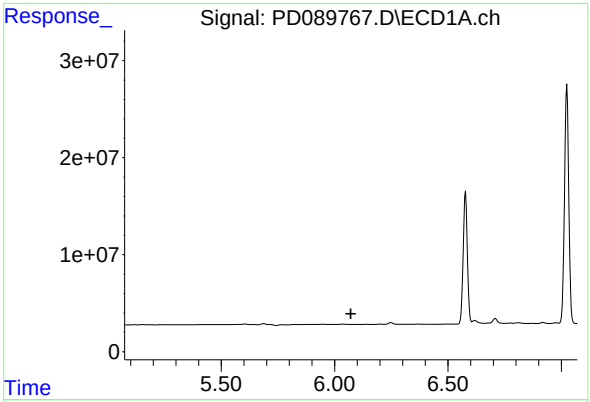
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 3298179
Conc: 0.79 ng/ml



#8 Heptachlor epoxide

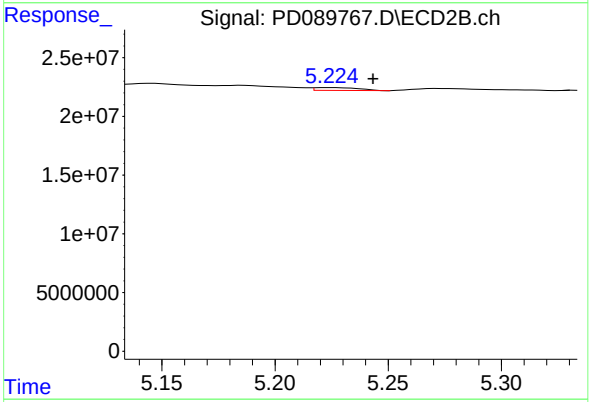
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 438010
Conc: 0.02 ng/ml



#9 Endosulfan I

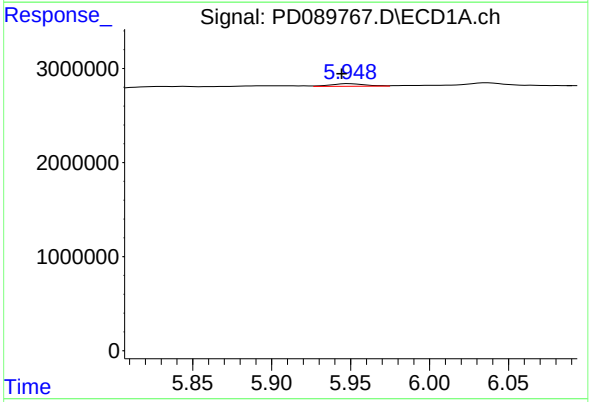
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



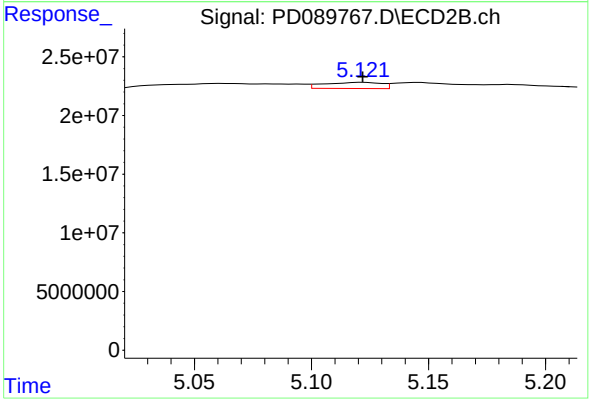
#9 Endosulfan I

R.T.: 5.225 min
Delta R.T.: -0.018 min
Response: 3253309
Conc: 0.17 ng/ml



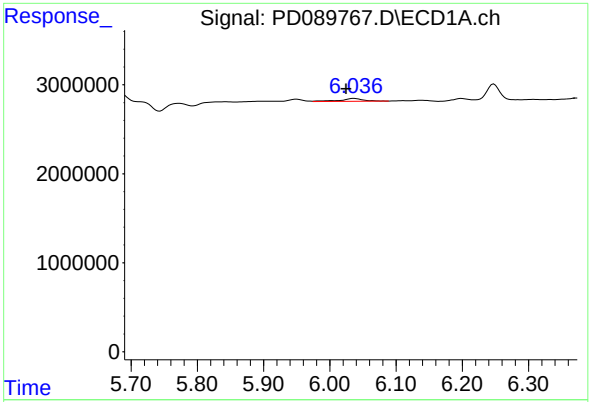
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.005 min
Response: 421899
Conc: 0.10 ng/ml



#10 gamma-Chlordane

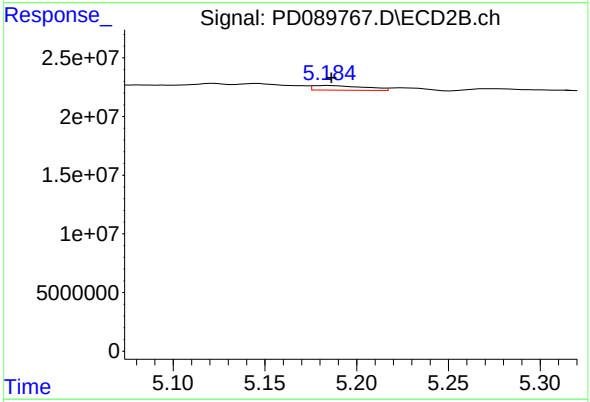
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 8802639
Conc: 0.41 ng/ml



#11 alpha-Chlordane

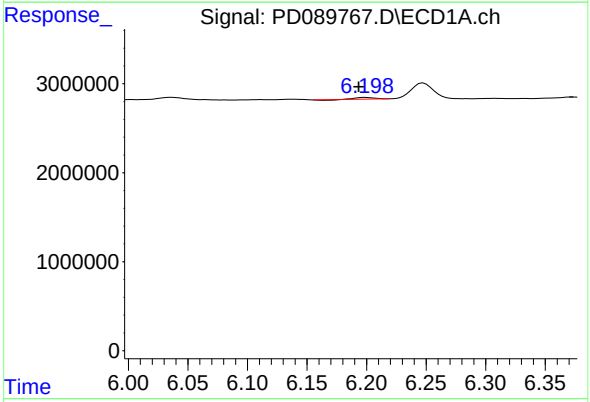
R.T.: 6.037 min
Delta R.T.: 0.012 min
Response: 760665
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



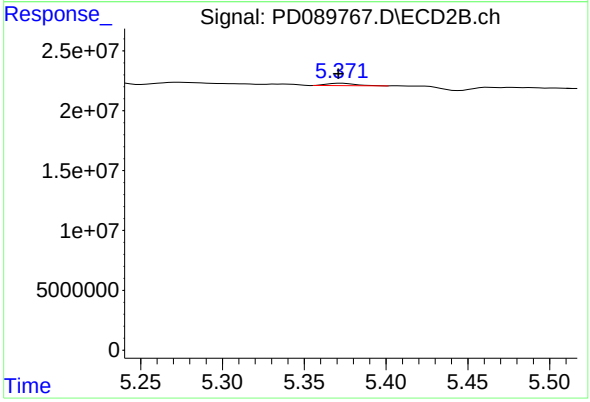
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 7935834
Conc: 0.38 ng/ml



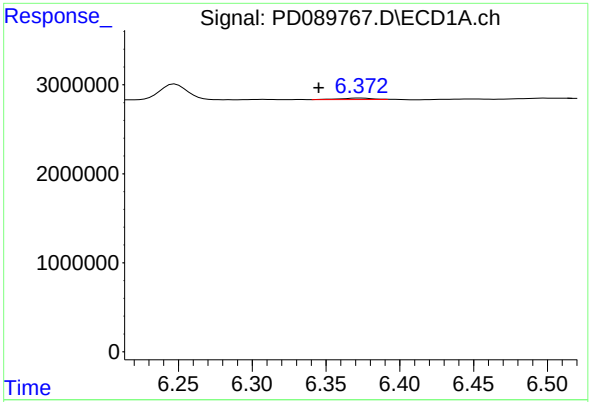
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.006 min
Response: 135955
Conc: 0.04 ng/ml



#12 4,4'-DDE

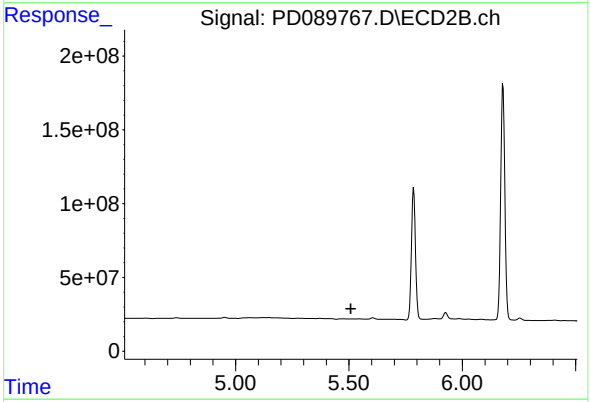
R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 2407371
Conc: 0.11 ng/ml



#13 Dieldrin

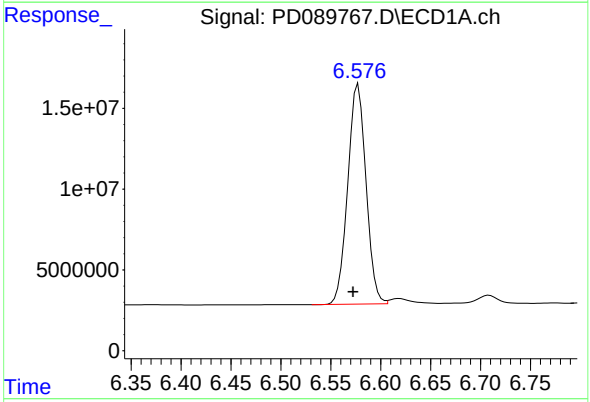
R.T.: 6.374 min
Delta R.T.: 0.029 min
Response: 227425
Conc: 0.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



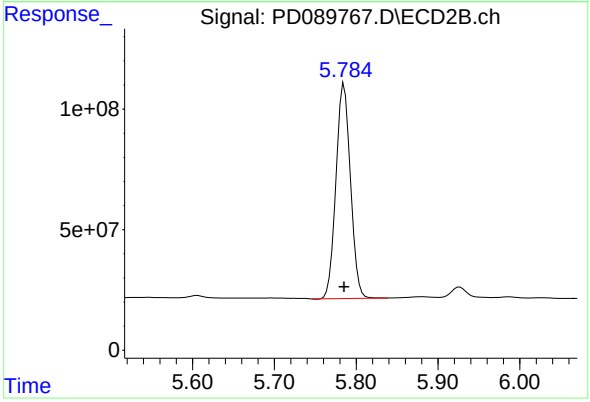
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 5.509 min
Response: 0
Conc: N.D.



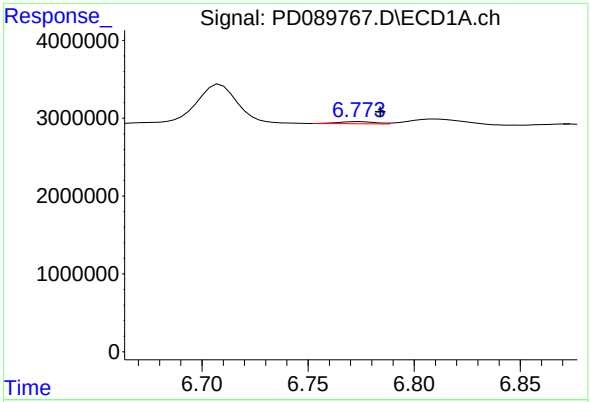
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.005 min
Response: 173182273
Conc: 48.41 ng/ml



#14 Endrin

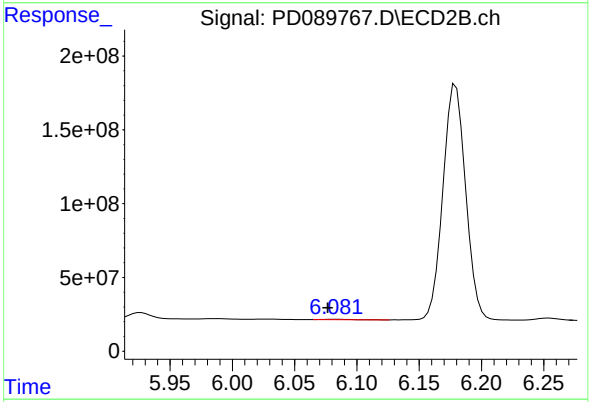
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1094339875
Conc: 54.92 ng/ml



#15 Endosulfan II

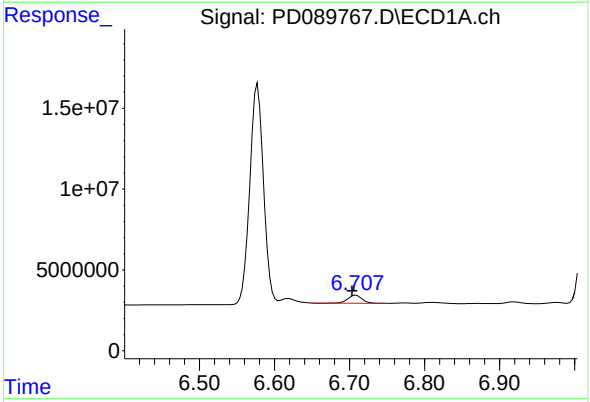
R.T.: 6.774 min
Delta R.T.: -0.010 min
Response: 312832
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



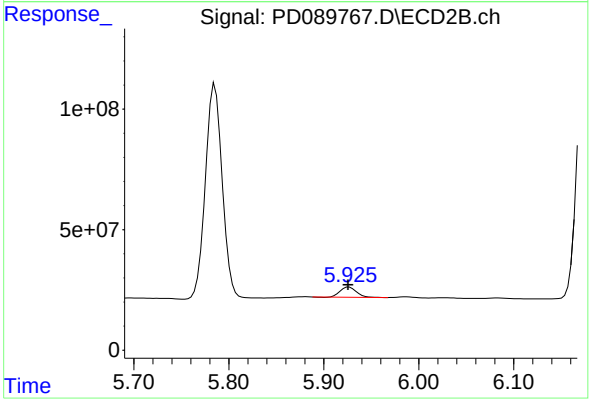
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: 0.006 min
Response: 3370696
Conc: 0.18 ng/ml



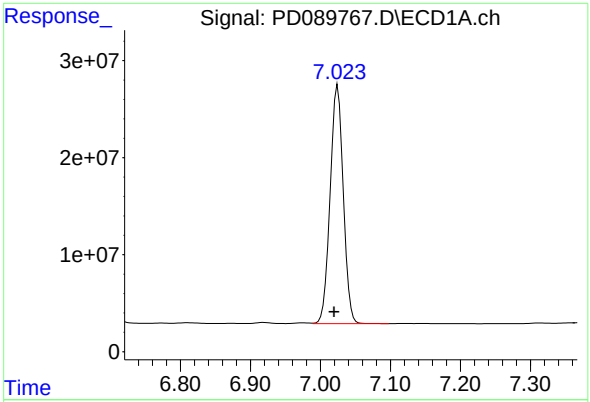
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.005 min
Response: 6397113
Conc: 2.14 ng/ml



#16 4,4'-DDD

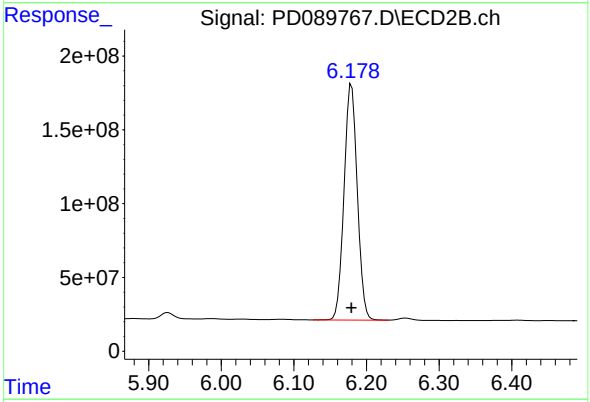
R.T.: 5.926 min
Delta R.T.: 0.001 min
Response: 51032115
Conc: 2.89 ng/ml



#17 4,4'-DDT

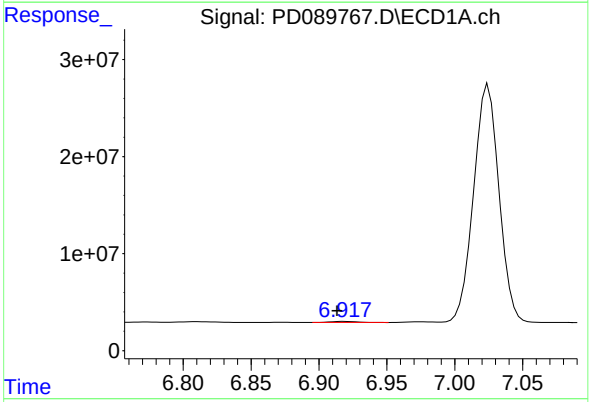
R.T.: 7.025 min
Delta R.T.: 0.005 min
Response: 319694899
Conc: 95.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



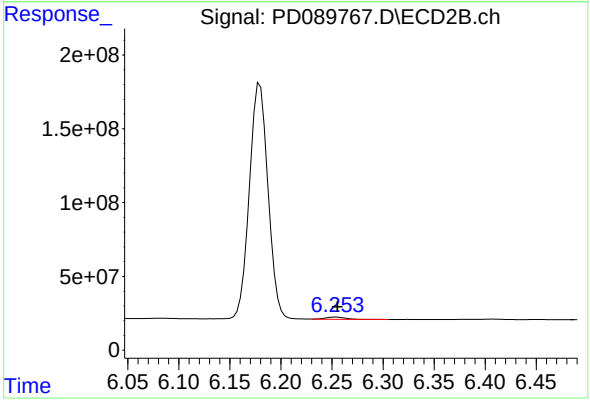
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 2032406667
Conc: 110.62 ng/ml



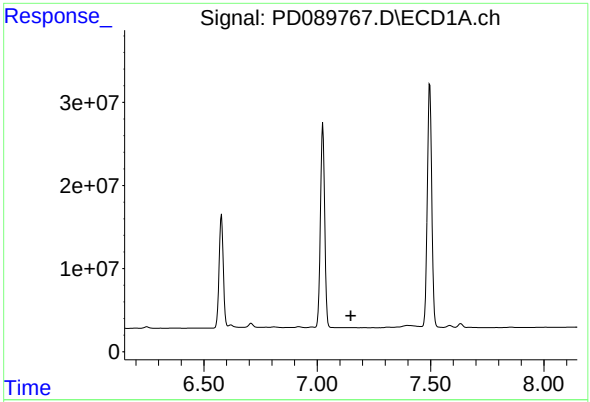
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.006 min
Response: 1502029
Conc: 0.60 ng/ml



#18 Endrin aldehyde

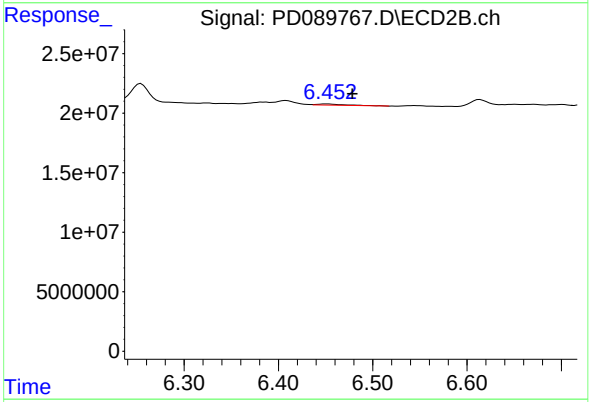
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 18960558
Conc: 1.47 ng/ml



#19 Endosulfan Sulfate

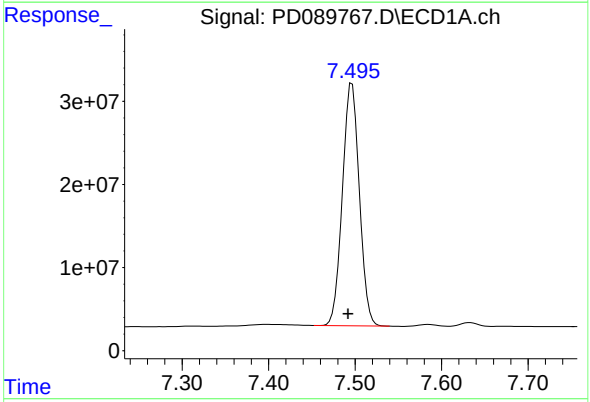
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



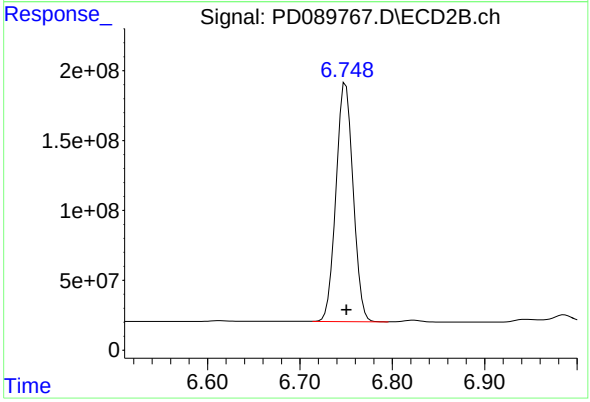
#19 Endosulfan Sulfate

R.T.: 6.452 min
Delta R.T.: -0.027 min
Response: 1822354
Conc: 0.10 ng/ml



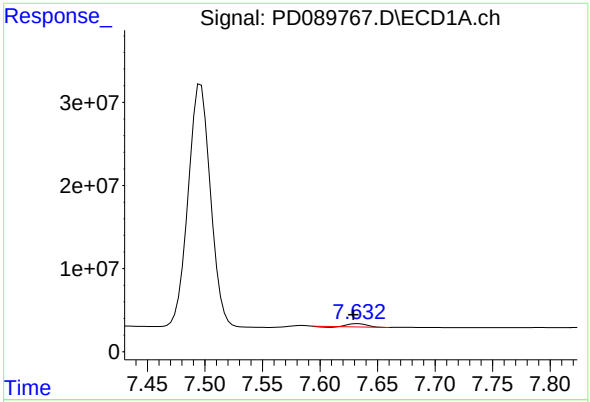
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.005 min
Response: 395649419
Conc: 221.28 ng/ml



#20 Methoxychlor

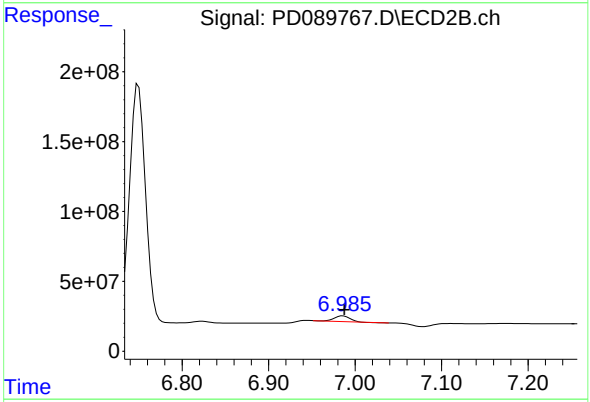
R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 2203892666
Conc: 224.99 ng/ml



#21 Endrin ketone

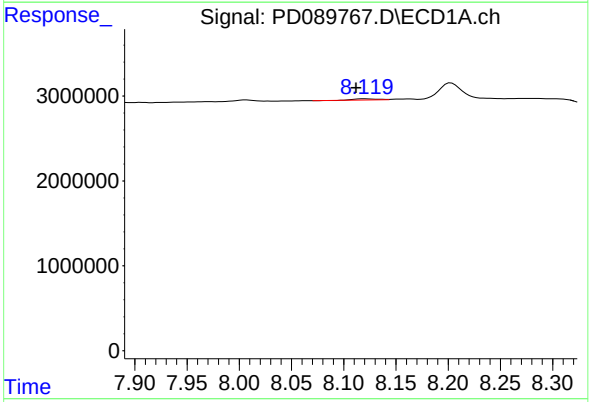
R.T.: 7.633 min
Delta R.T.: 0.004 min
Response: 3576268
Conc: 0.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



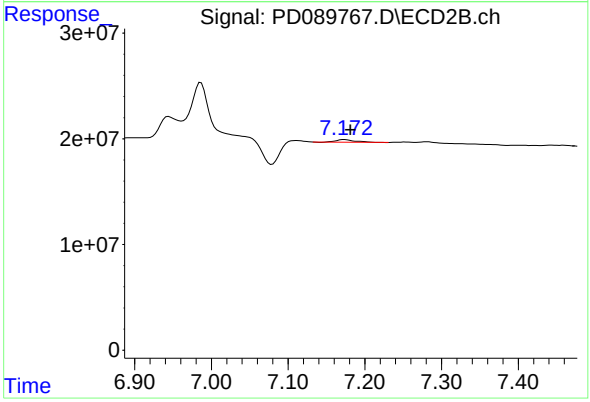
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.001 min
Response: 47623090
Conc: 2.37 ng/ml



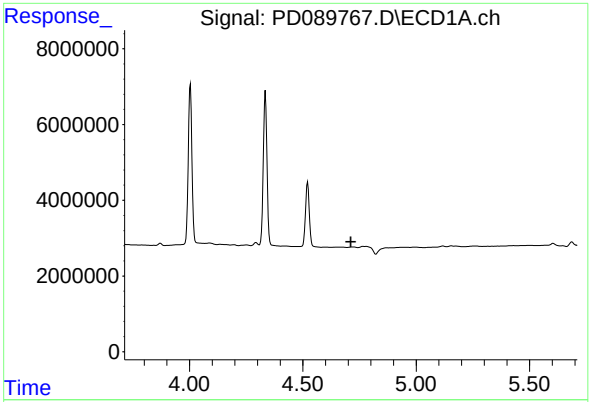
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.008 min
Response: 225702
Conc: 0.08 ng/ml



#22 Mirex

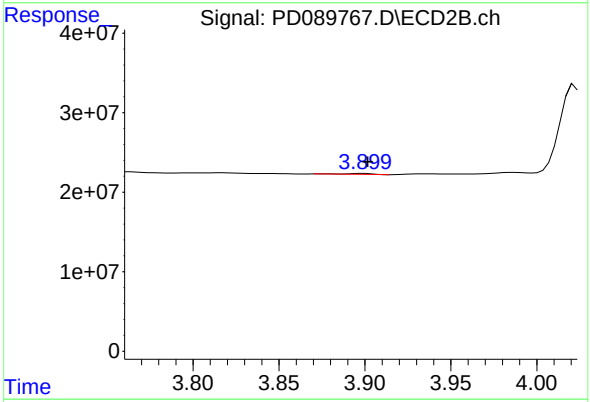
R.T.: 7.173 min
Delta R.T.: -0.008 min
Response: 4016187
Conc: 0.26 ng/ml



#23 Chlordane-1

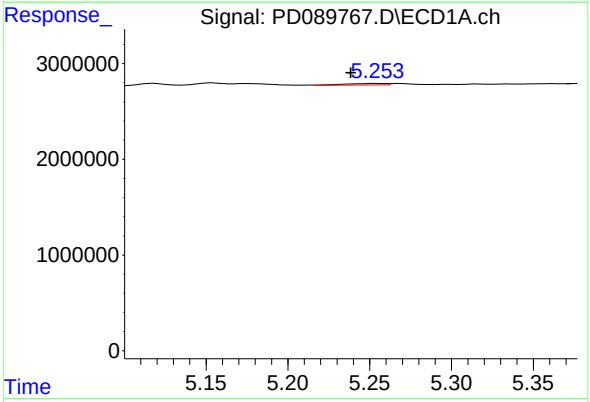
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



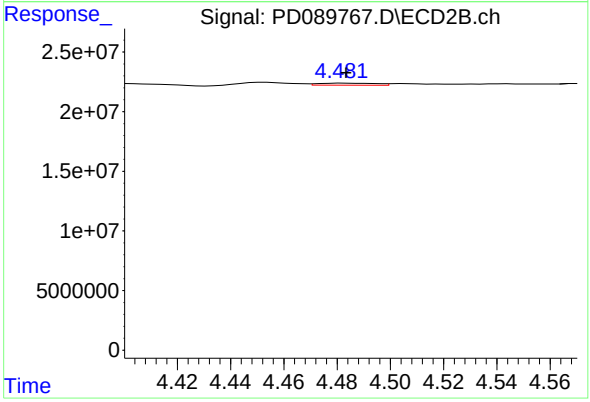
#23 Chlordane-1

R.T.: 3.900 min
Delta R.T.: -0.002 min
Response: 1335814
Conc: 1.83 ng/ml



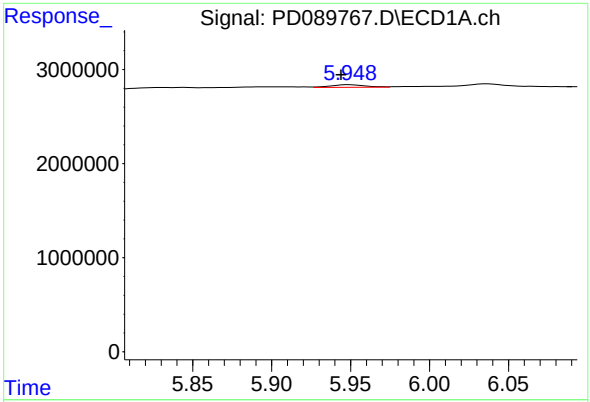
#24 Chlordane-2

R.T.: 5.255 min
Delta R.T.: 0.016 min
Response: 287646
Conc: 1.69 ng/ml



#24 Chlordane-2

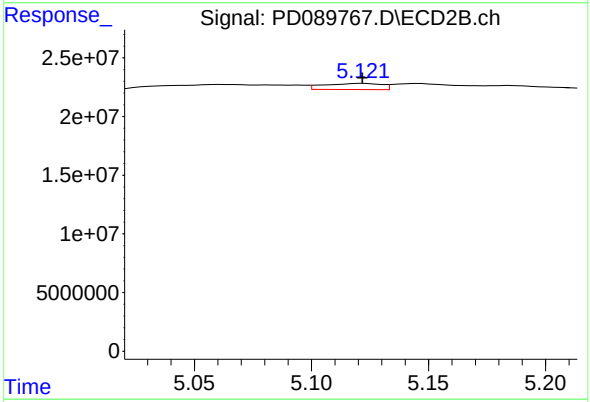
R.T.: 4.482 min
Delta R.T.: -0.001 min
Response: 2617268
Conc: 3.42 ng/ml



#25 Chlordane-3

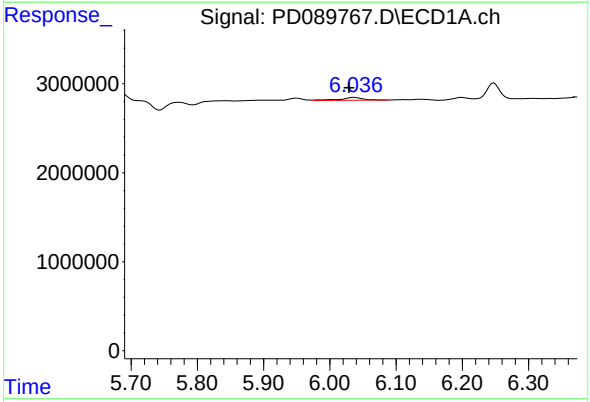
R.T.: 5.949 min
Delta R.T.: 0.006 min
Response: 421899
Conc: 0.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



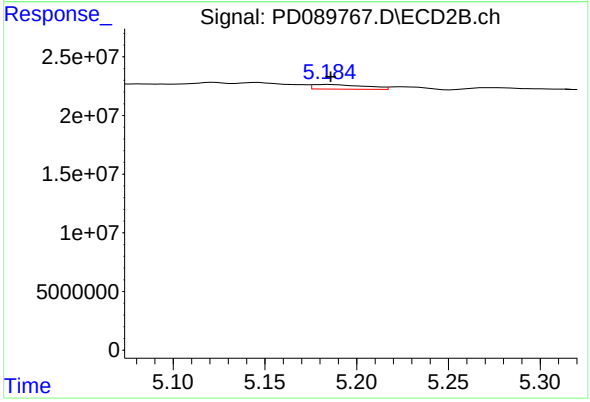
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 8802639
Conc: 3.80 ng/ml



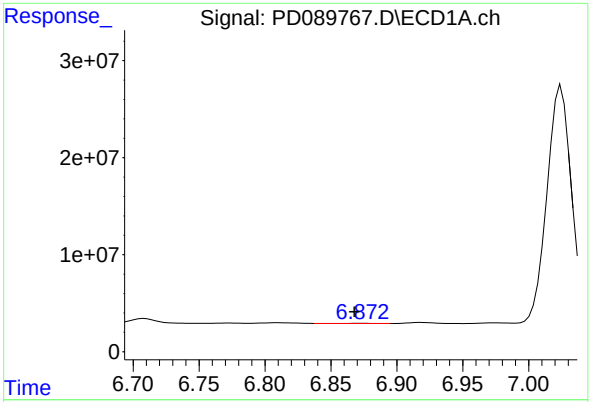
#26 Chlordane-4

R.T.: 6.037 min
Delta R.T.: 0.008 min
Response: 760665
Conc: 0.91 ng/ml



#26 Chlordane-4

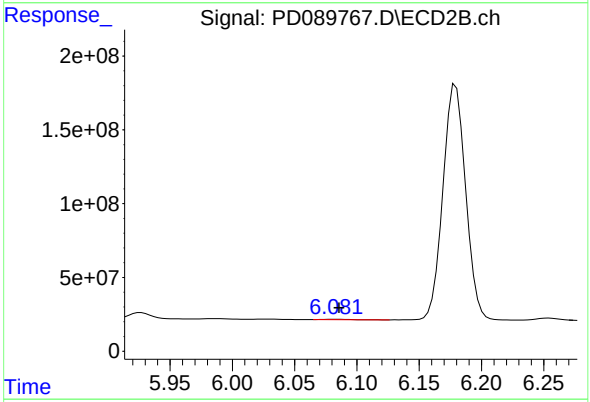
R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 7935834
Conc: 3.99 ng/ml



#27 Chlordane-5

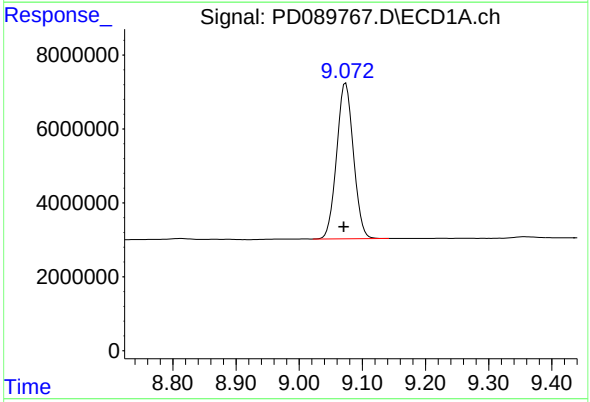
R.T.: 6.873 min
Delta R.T.: 0.005 min
Response: 27146
Conc: 0.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



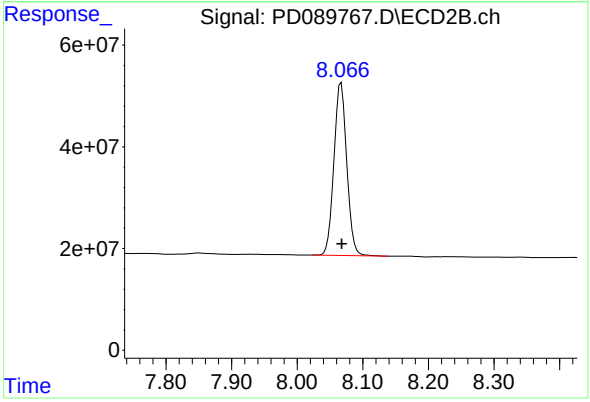
#27 Chlordane-5

R.T.: 6.083 min
Delta R.T.: -0.003 min
Response: 3370696
Conc: 3.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.003 min
Response: 77827584
Conc: 20.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 462318067
Conc: 23.03 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089779.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:23
Operator : AR\AJ
Sample : Q2747-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	26577173	212.2E6	10.775	13.401	
28)	SA Decachlor...	9.064	8.064	44603398	274.9E6	12.002	13.692	
	Target Compounds							
2)	A alpha-BHC	0.000	3.398	0	5613329	N.D.	0.231	#
3)	MA gamma-BHC...	0.000	3.725	0	9589168	N.D.	0.426	#
4)	MA Heptachlor	4.950f	4.069	2549178	14978938	0.530	0.645	
5)	MB Aldrin	5.264	4.368	767724	846929	0.168	0.038	#
6)	B beta-BHC	4.535f	0.000	267600	0	0.145	N.D.	#
7)	B delta-BHC	4.775	4.266	811333	2729145	0.177	0.120	#
8)	B Heptachlo...	5.677	4.865	6215307	48464871	1.487	2.358	#
9)	A Endosulfan I	0.000	5.271f	0	12260593	N.D.	0.627	#
10)	B gamma-Chl...	5.939	5.120	1915903	17414797	0.458	0.804	#
11)	B alpha-Chl...	6.025	5.184	3902517	51005893	0.928	2.450	#
12)	B 4,4'-DDE	6.190	5.369	5601315	55110107	1.502	2.607	#
13)	MA Dieldrin	6.342	5.503	239255	27001347	0.057	1.248	#
14)	MA Endrin	6.568	5.789	2273687	91838540	0.636	4.609	#
15)	B Endosulfa...	6.766f	6.061f	1378907	4138246	0.376	0.220	#
16)	A 4,4'-DDD	6.717	5.920	2377204	893595	0.794	0.051	#
17)	MA 4,4'-DDT	6.991f	6.173	1005573	9295720	0.299	0.506	#
19)	B Endosulfa...	0.000	6.472	0	3932053	N.D.	0.212	#
20)	A Methoxychlor	0.000	6.728f	0	13358354	N.D.	1.364	#
21)	B Endrin ke...	7.612f	0.000	166315	0	0.045	N.D.	#
22)	Mirex	8.113	0.000	146358	0	0.052	N.D.	#
23)	Chlordane-1	4.709	3.900	437071	24835980	2.624	33.957	#
24)	Chlordane-2	5.235	4.456f	888913	16545430	5.231	21.646	#
25)	Chlordane-3	5.939	5.120	1915903	17414797	2.794	7.525	#
26)	Chlordane-4	6.025	5.184	3902517	51005893	4.662	25.637	#
27)	Chlordane-5	0.000	6.093	0	4444693	N.D.	4.913	#

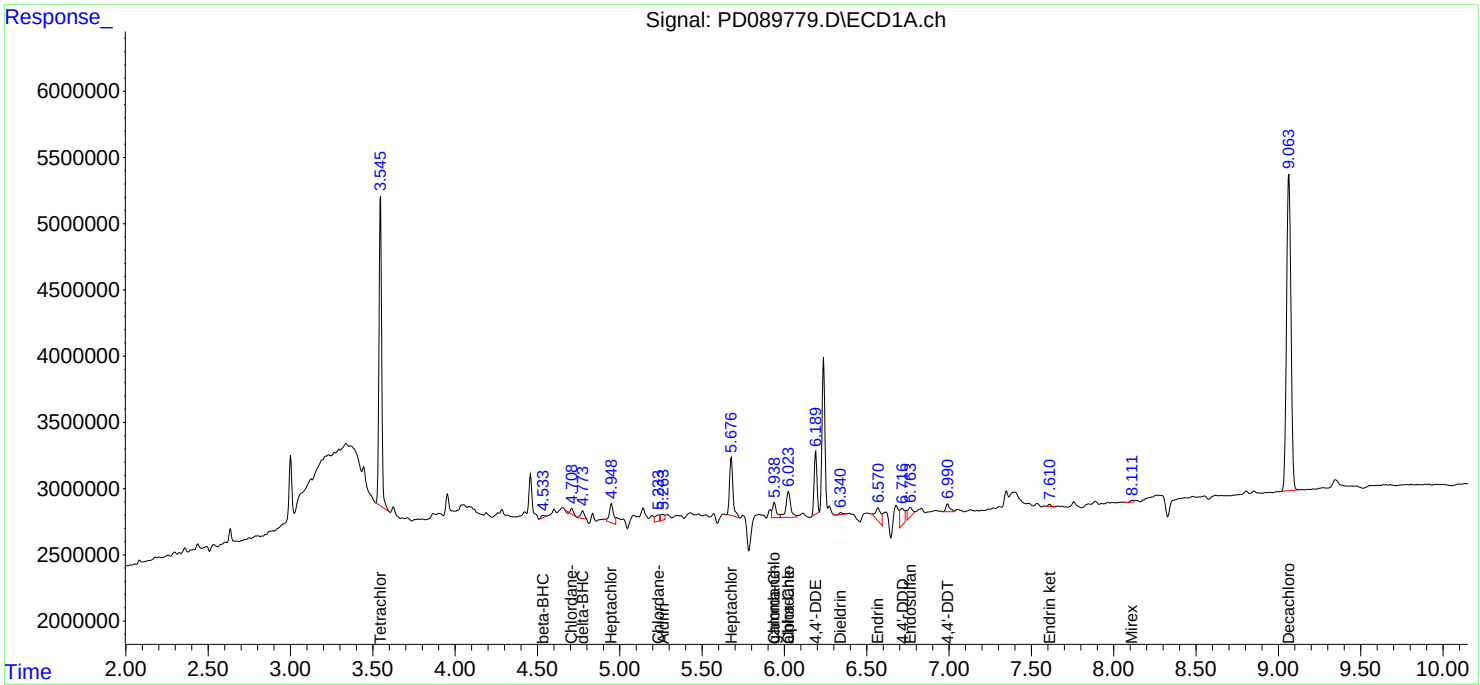
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

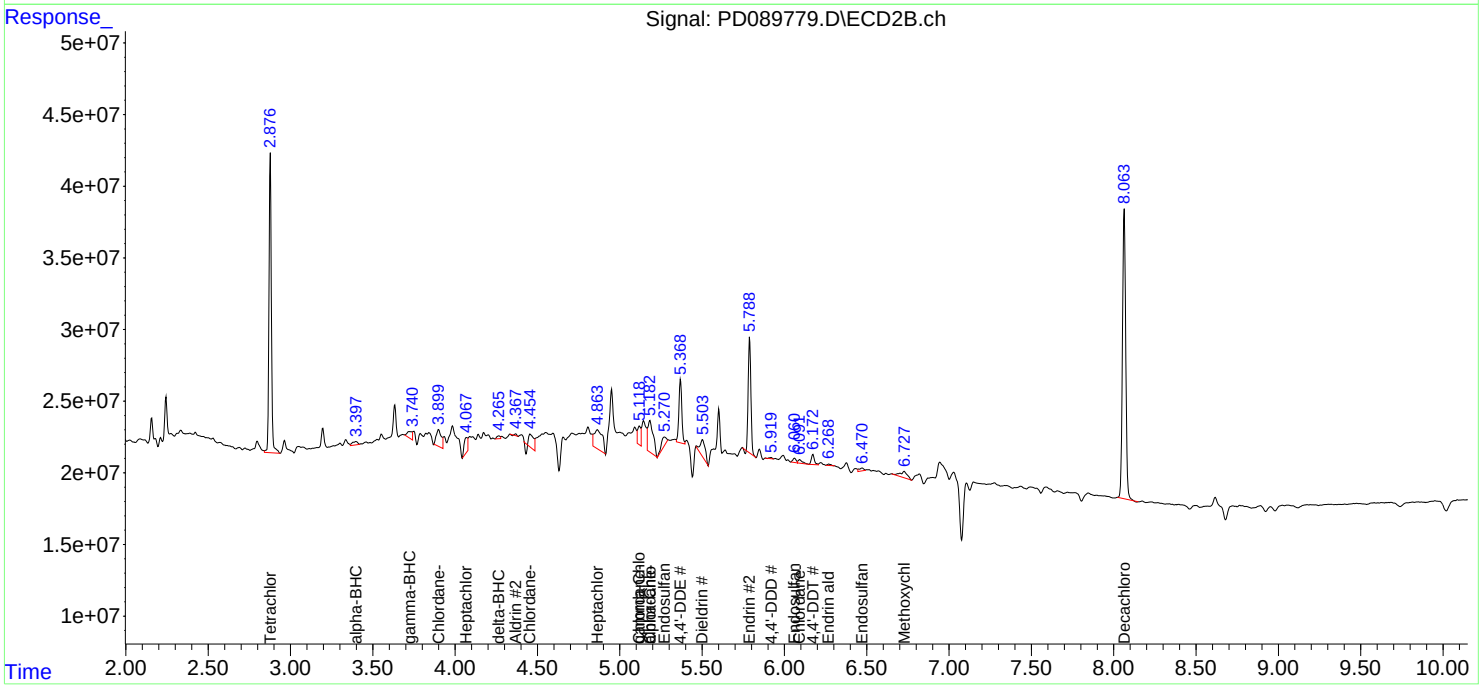
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089779.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:23
Operator : AR\AJ
Sample : Q2747-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

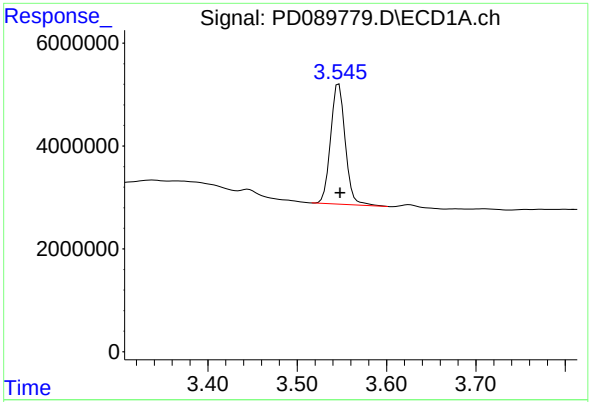
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



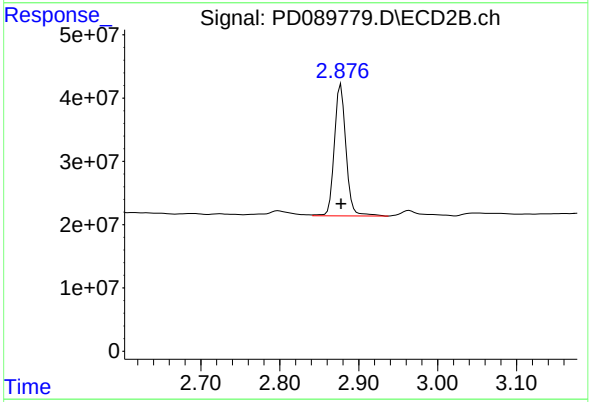




#1 Tetrachloro-m-xylene

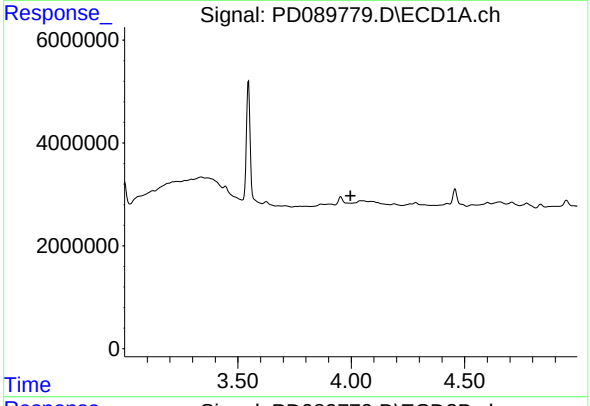
R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 26577173
Conc: 10.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



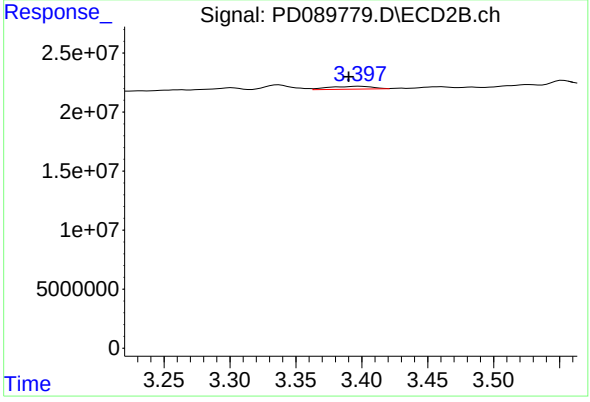
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 212249099
Conc: 13.40 ng/ml



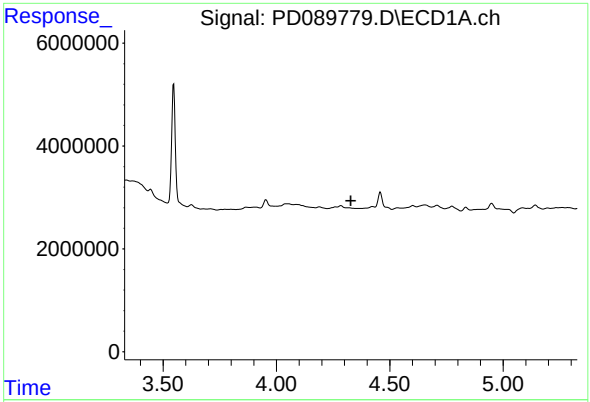
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

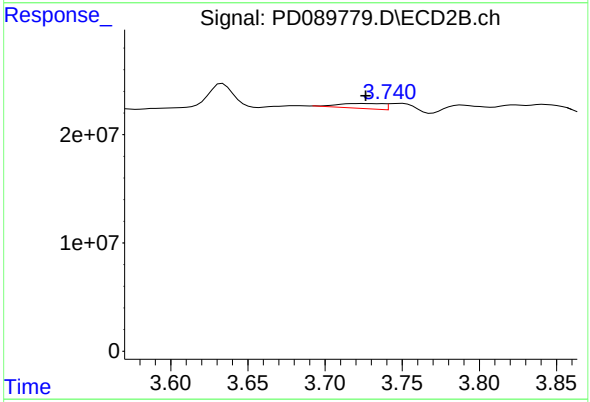
R.T.: 3.398 min
Delta R.T.: 0.008 min
Response: 5613329
Conc: 0.23 ng/ml



#3 gamma-BHC (Lindane)

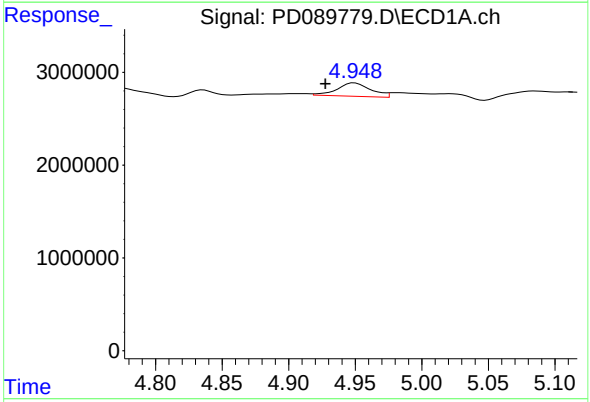
R.T.: 0.000 min
Exp R.T. : 4.328 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



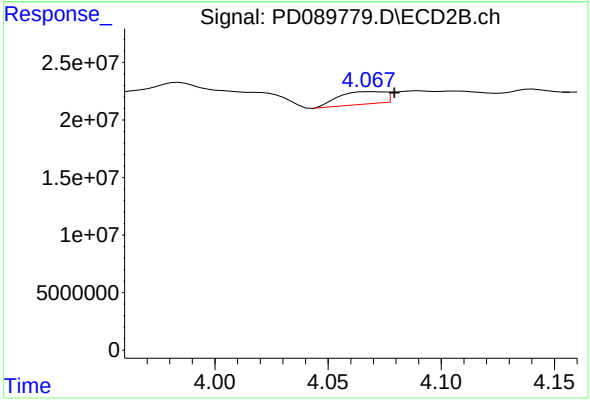
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.001 min
Response: 9589168
Conc: 0.43 ng/ml



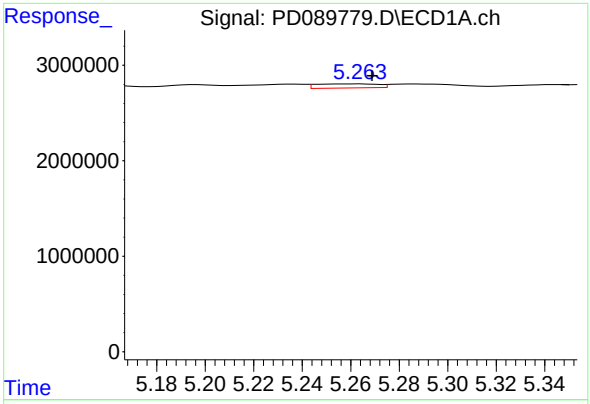
#4 Heptachlor

R.T.: 4.950 min
Delta R.T.: 0.022 min
Response: 2549178
Conc: 0.53 ng/ml



#4 Heptachlor

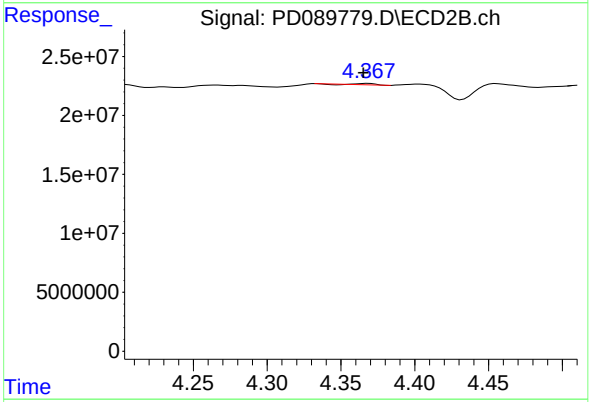
R.T.: 4.069 min
Delta R.T.: -0.010 min
Response: 14978938
Conc: 0.65 ng/ml



#5 Aldrin

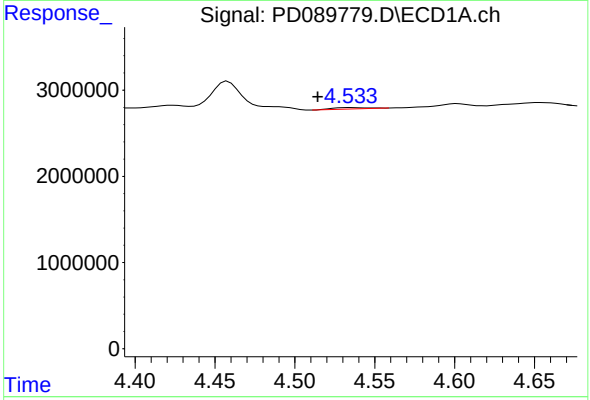
R.T.: 5.264 min
Delta R.T.: -0.005 min
Response: 767724
Conc: 0.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



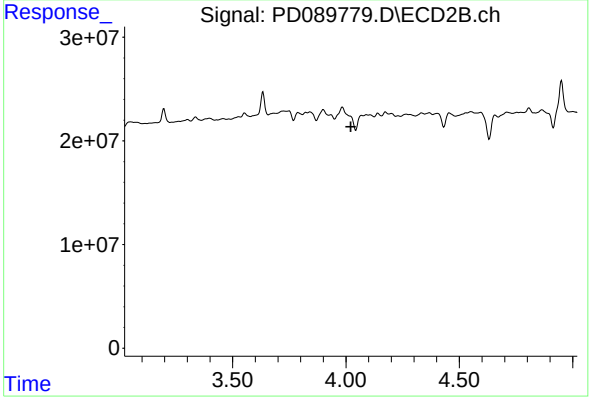
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.003 min
Response: 846929
Conc: 0.04 ng/ml



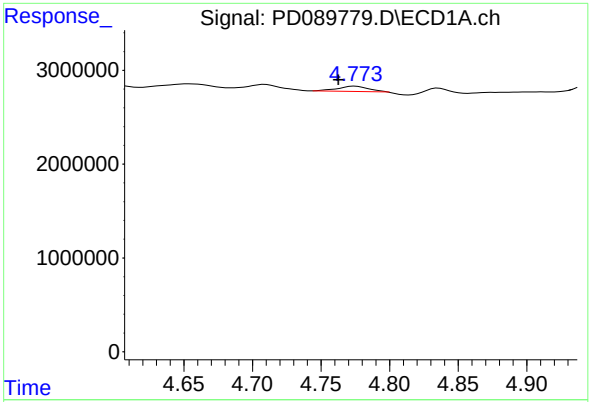
#6 beta-BHC

R.T.: 4.535 min
Delta R.T.: 0.021 min
Response: 267600
Conc: 0.15 ng/ml



#6 beta-BHC

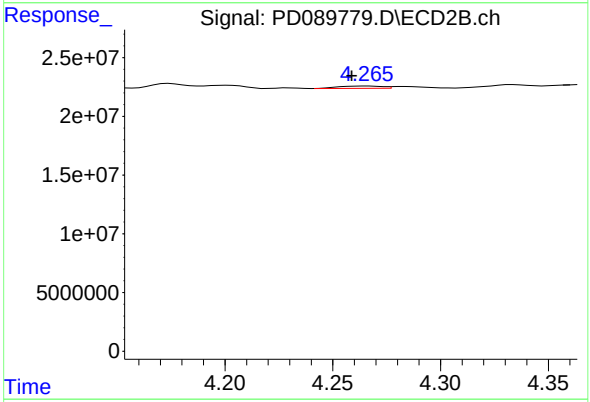
R.T.: 0.000 min
Exp R.T. : 4.022 min
Response: 0
Conc: N.D.



#7 delta-BHC

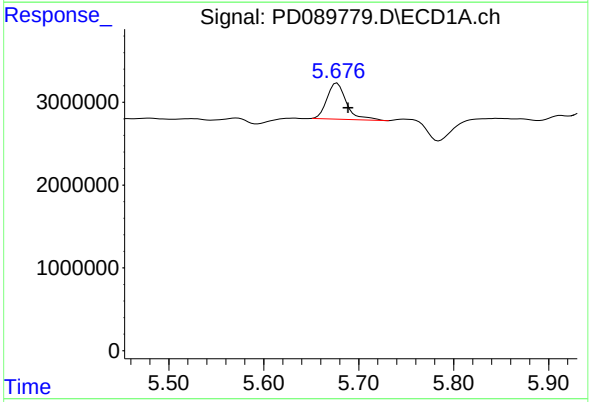
R.T.: 4.775 min
Delta R.T.: 0.012 min
Response: 811333
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



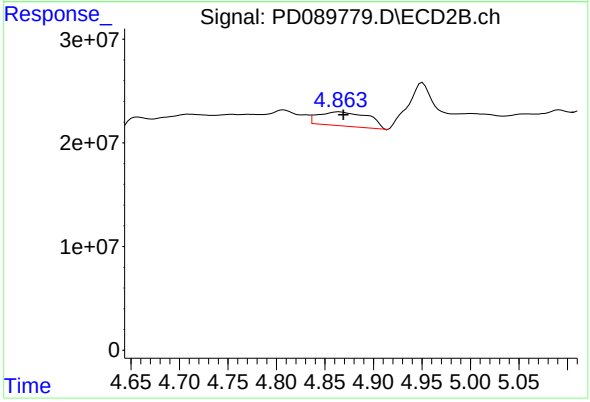
#7 delta-BHC

R.T.: 4.266 min
Delta R.T.: 0.007 min
Response: 2729145
Conc: 0.12 ng/ml



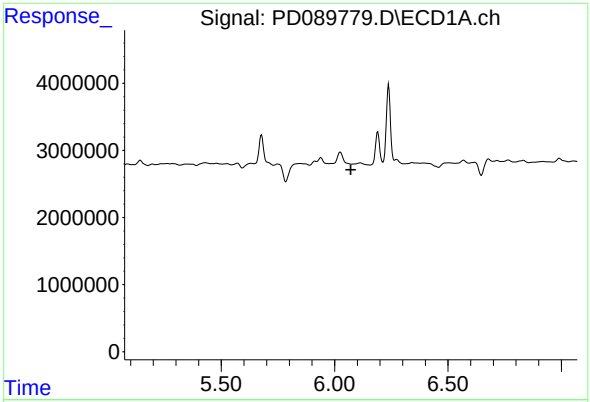
#8 Heptachlor epoxide

R.T.: 5.677 min
Delta R.T.: -0.011 min
Response: 6215307
Conc: 1.49 ng/ml



#8 Heptachlor epoxide

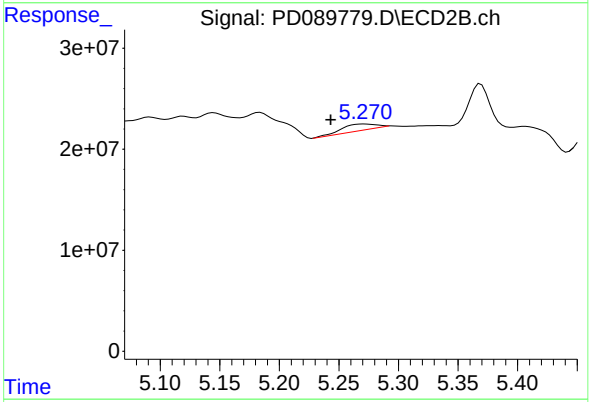
R.T.: 4.865 min
Delta R.T.: -0.004 min
Response: 48464871
Conc: 2.36 ng/ml



#9 Endosulfan I

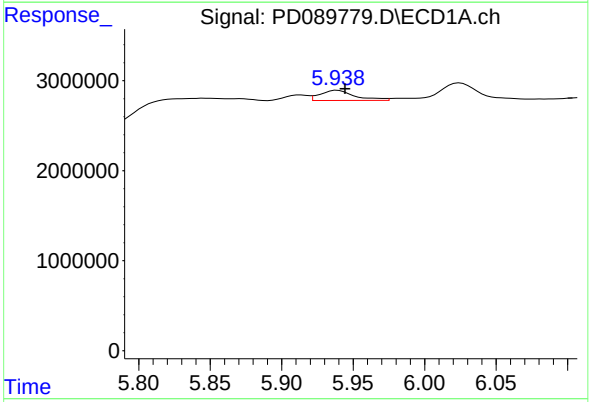
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



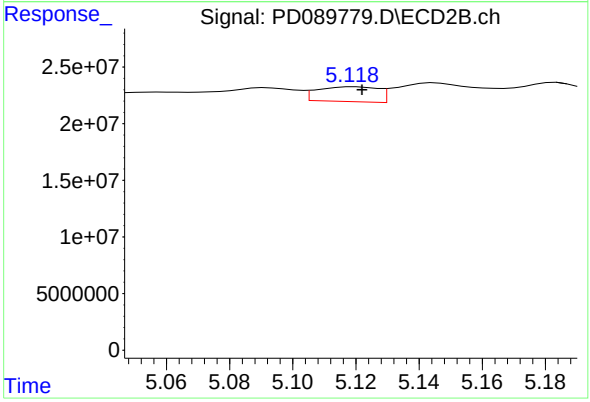
#9 Endosulfan I

R.T.: 5.271 min
Delta R.T.: 0.028 min
Response: 12260593
Conc: 0.63 ng/ml



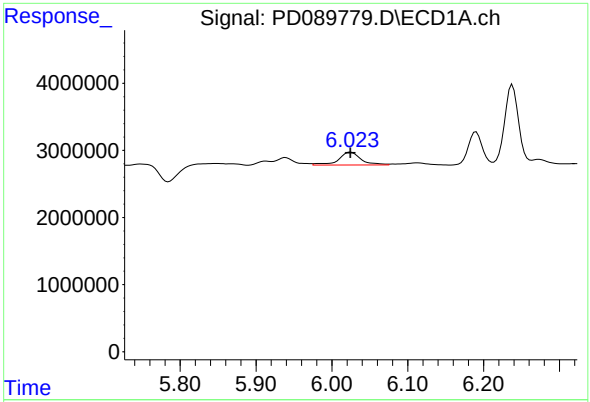
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 1915903
Conc: 0.46 ng/ml



#10 gamma-Chlordane

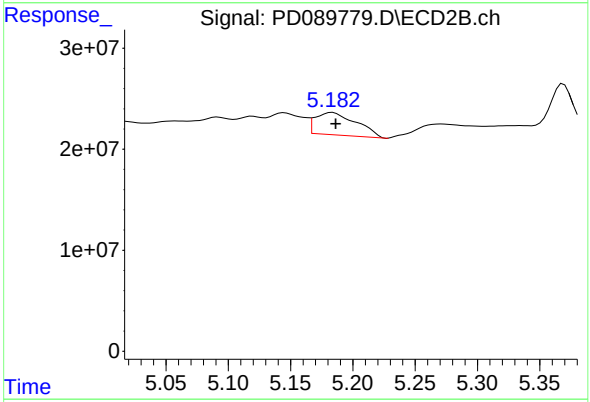
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 17414797
Conc: 0.80 ng/ml



#11 alpha-Chlordane

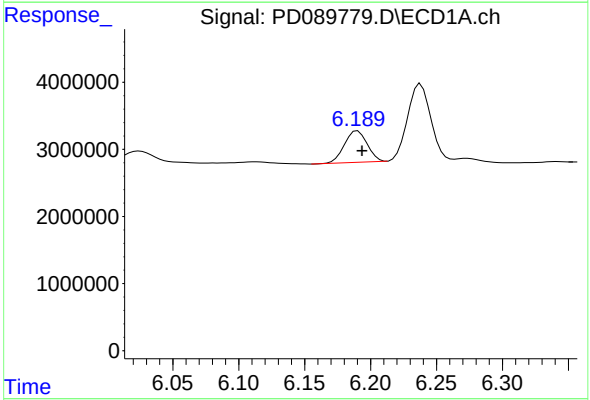
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 3902517
Conc: 0.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



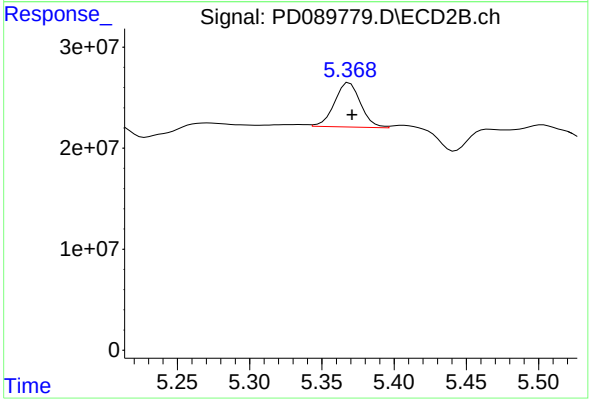
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.003 min
Response: 51005893
Conc: 2.45 ng/ml



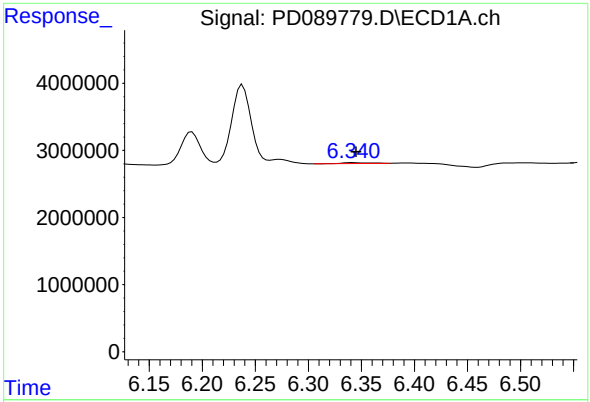
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 5601315
Conc: 1.50 ng/ml



#12 4,4'-DDE

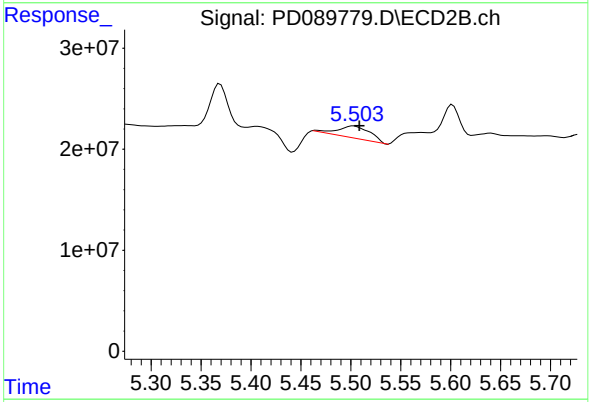
R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 55110107
Conc: 2.61 ng/ml



#13 Dieldrin

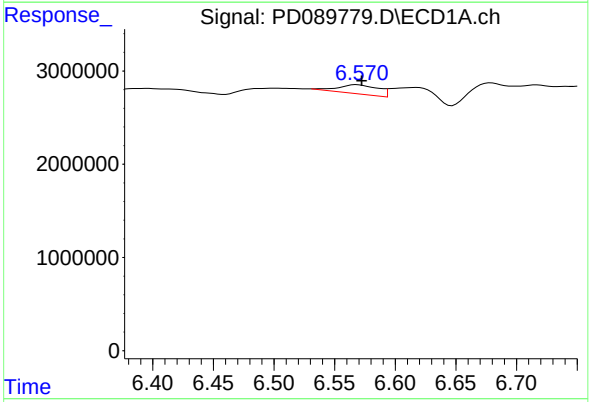
R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 239255
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



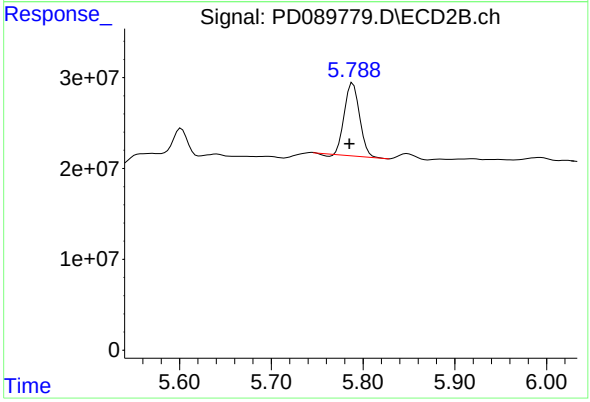
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.006 min
Response: 27001347
Conc: 1.25 ng/ml



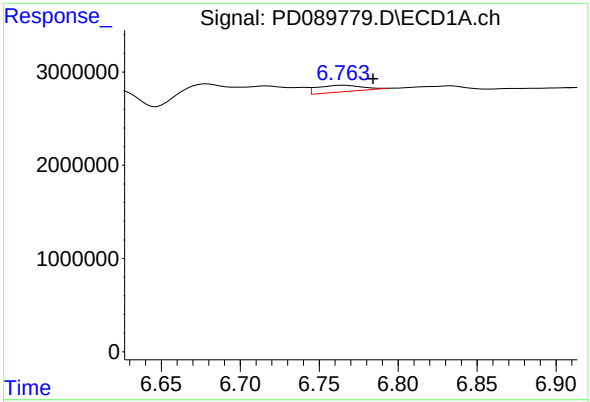
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.004 min
Response: 2273687
Conc: 0.64 ng/ml



#14 Endrin

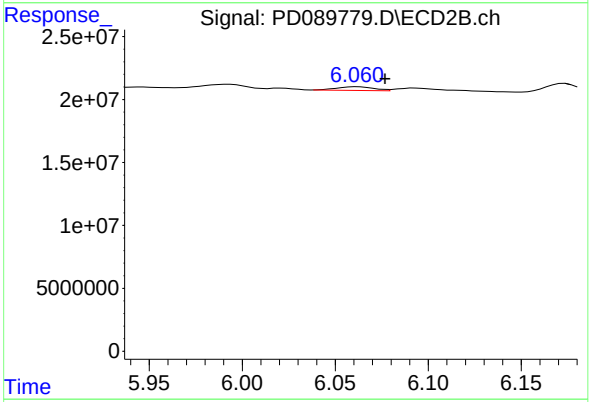
R.T.: 5.789 min
Delta R.T.: 0.004 min
Response: 91838540
Conc: 4.61 ng/ml



#15 Endosulfan II

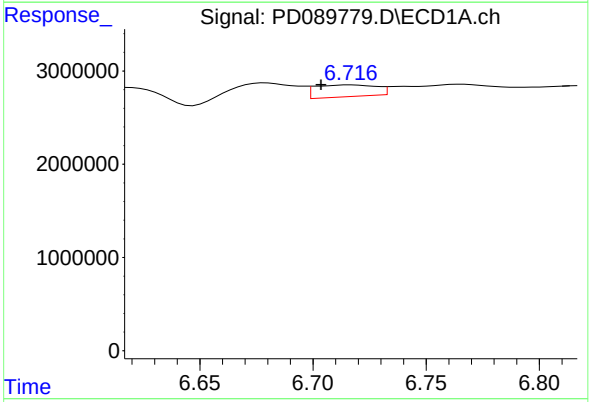
R.T.: 6.766 min
Delta R.T.: -0.018 min
Response: 1378907
Conc: 0.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



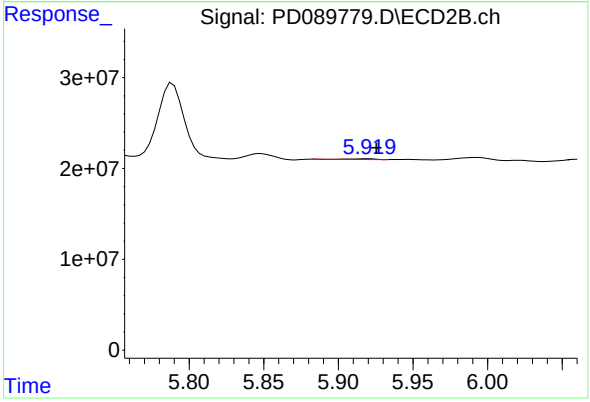
#15 Endosulfan II

R.T.: 6.061 min
Delta R.T.: -0.015 min
Response: 4138246
Conc: 0.22 ng/ml



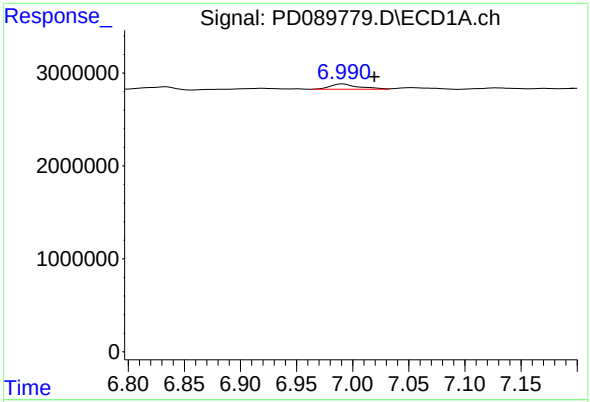
#16 4,4'-DDD

R.T.: 6.717 min
Delta R.T.: 0.013 min
Response: 2377204
Conc: 0.79 ng/ml



#16 4,4'-DDD

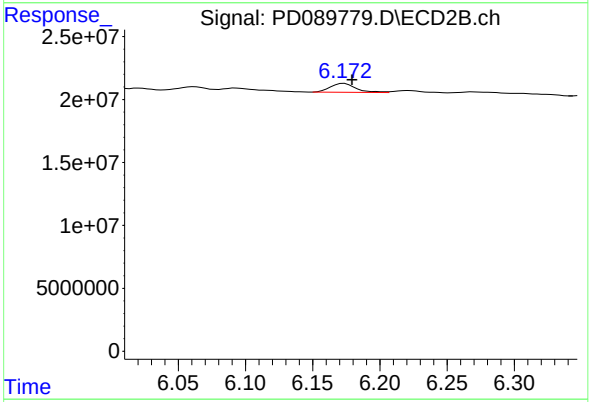
R.T.: 5.920 min
Delta R.T.: -0.005 min
Response: 893595
Conc: 0.05 ng/ml



#17 4,4'-DDT

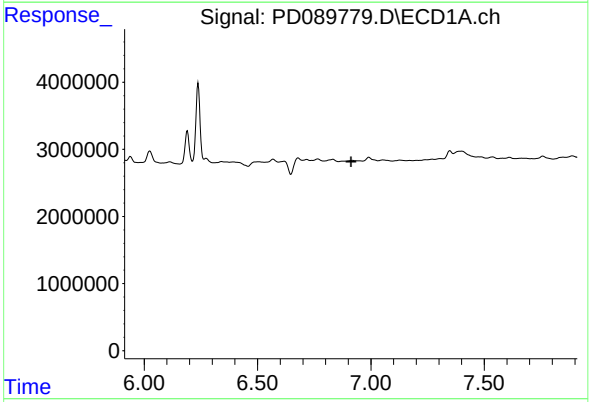
R.T.: 6.991 min
Delta R.T.: -0.028 min
Response: 1005573
Conc: 0.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



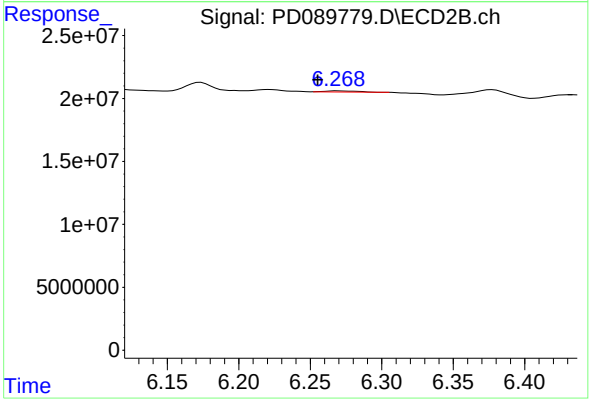
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.006 min
Response: 9295720
Conc: 0.51 ng/ml



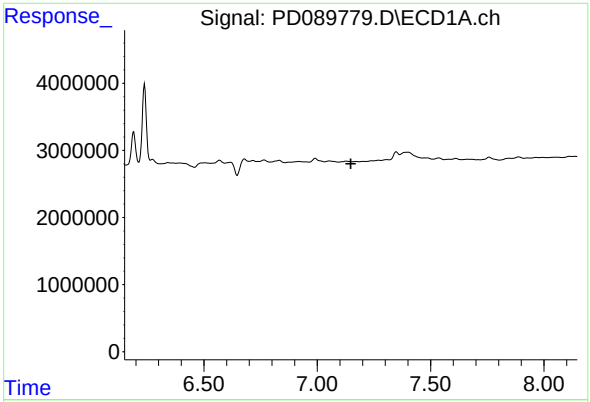
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.007 min
Response: -494185
Conc: N.D.



#18 Endrin aldehyde

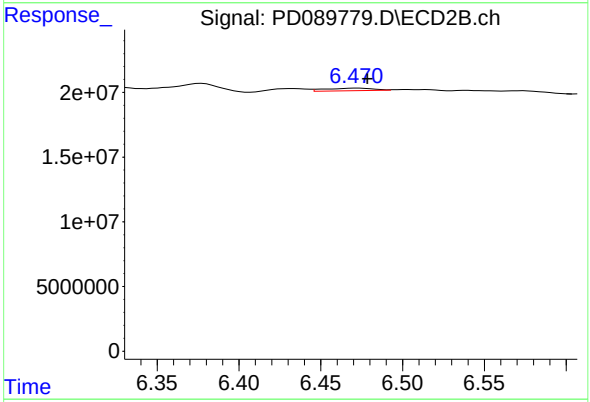
R.T.: 6.269 min
Delta R.T.: 0.014 min
Response: 875385
Conc: 0.07 ng/ml



#19 Endosulfan Sulfate

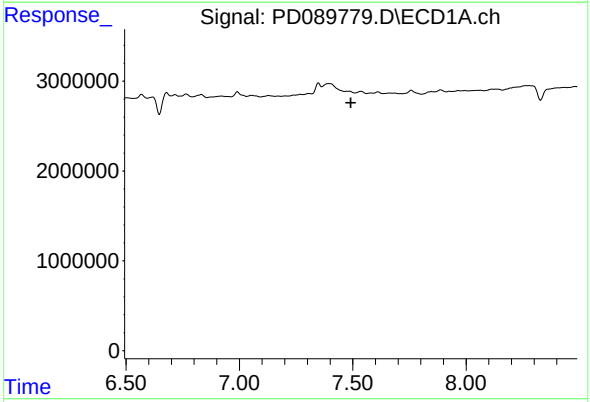
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



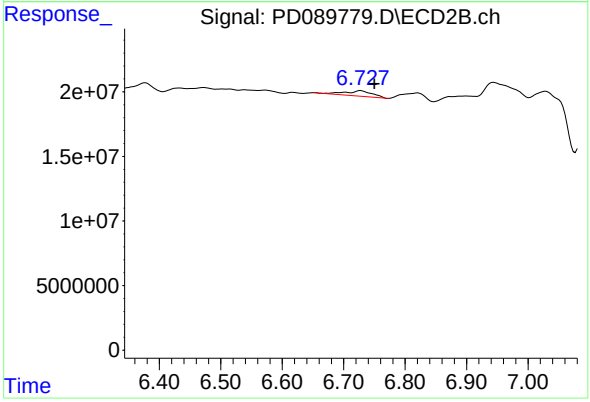
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.006 min
Response: 3932053
Conc: 0.21 ng/ml



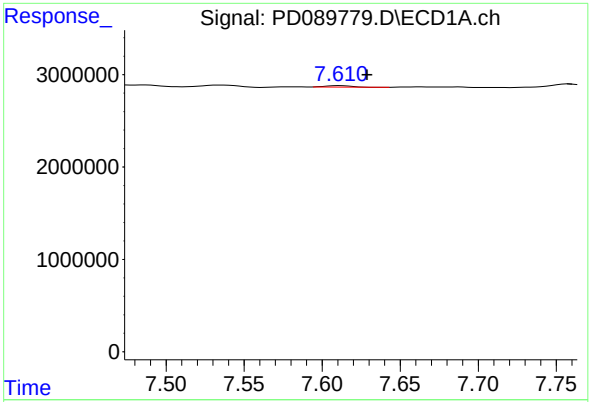
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.



#20 Methoxychlor

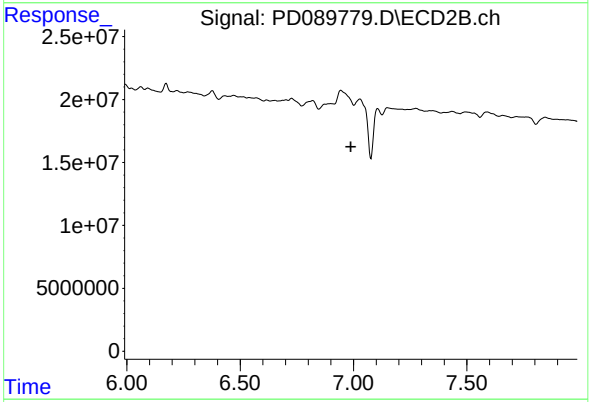
R.T.: 6.728 min
Delta R.T.: -0.023 min
Response: 13358354
Conc: 1.36 ng/ml



#21 Endrin ketone

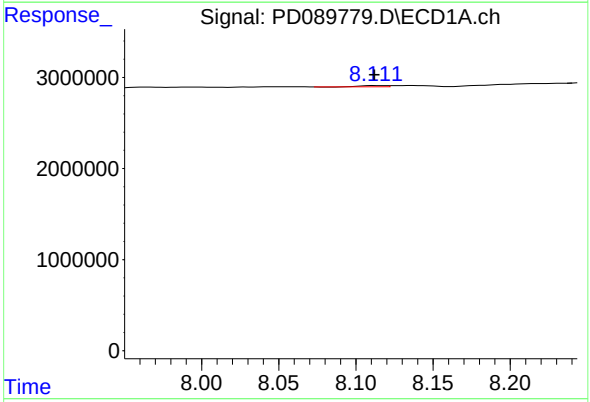
R.T.: 7.612 min
Delta R.T.: -0.017 min
Response: 166315
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



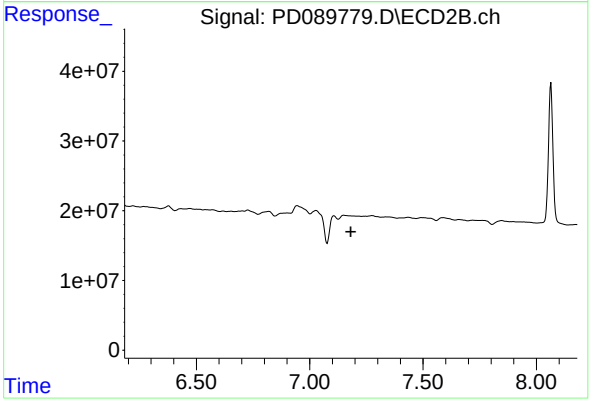
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.988 min
Response: 0
Conc: N.D.



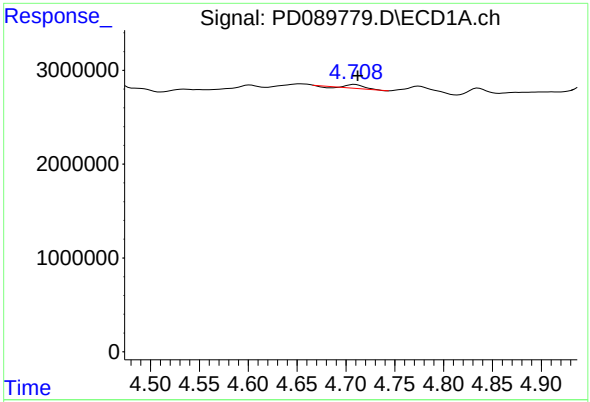
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 146358
Conc: 0.05 ng/ml



#22 Mirex

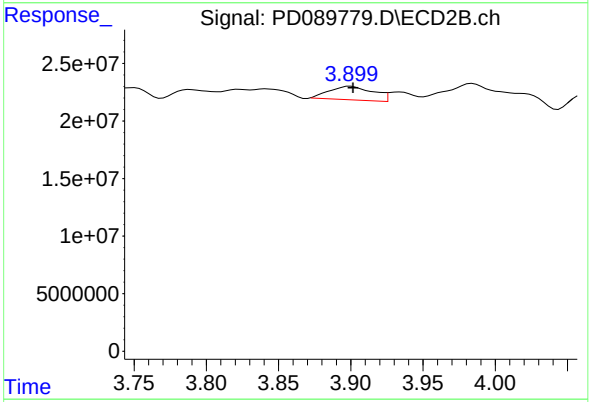
R.T.: 0.000 min
Exp R.T. : 7.181 min
Response: 0
Conc: N.D.



#23 Chlordane-1

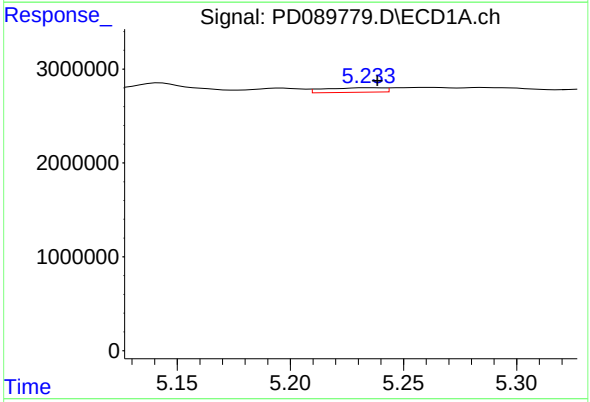
R.T.: 4.709 min
Delta R.T.: -0.003 min
Response: 437071
Conc: 2.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



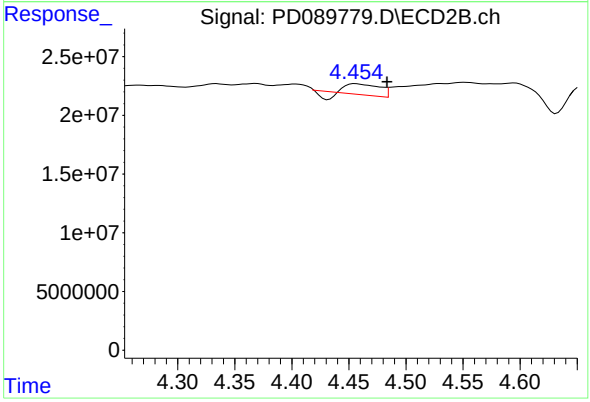
#23 Chlordane-1

R.T.: 3.900 min
Delta R.T.: -0.002 min
Response: 24835980
Conc: 33.96 ng/ml



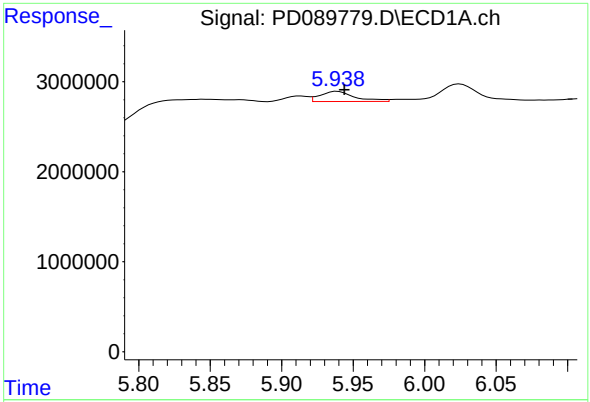
#24 Chlordane-2

R.T.: 5.235 min
Delta R.T.: -0.003 min
Response: 888913
Conc: 5.23 ng/ml



#24 Chlordane-2

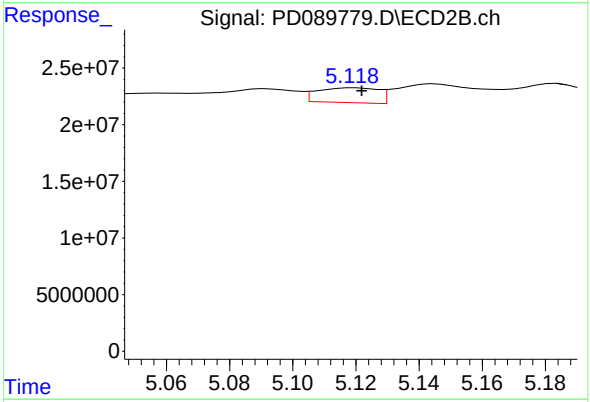
R.T.: 4.456 min
Delta R.T.: -0.028 min
Response: 16545430
Conc: 21.65 ng/ml



#25 Chlordane-3

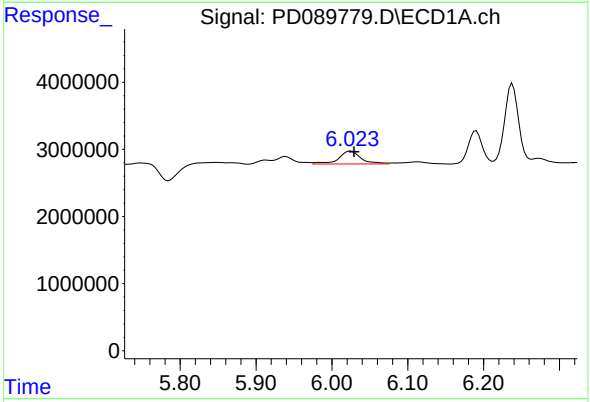
R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 1915903
Conc: 2.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



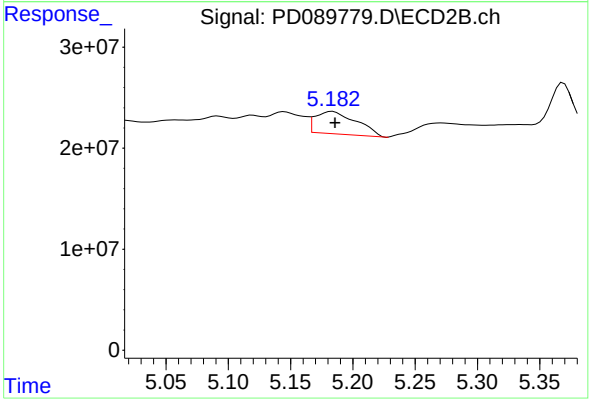
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 17414797
Conc: 7.52 ng/ml



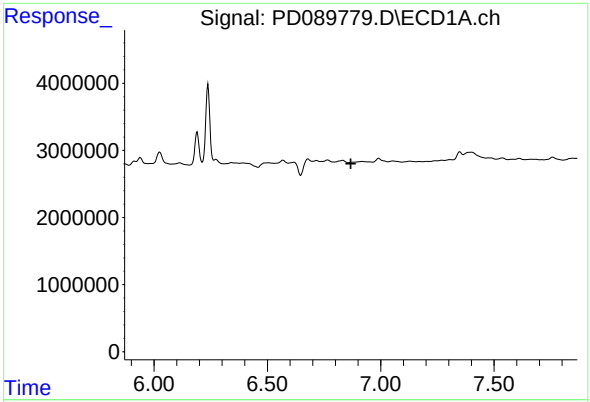
#26 Chlordane-4

R.T.: 6.025 min
Delta R.T.: -0.004 min
Response: 3902517
Conc: 4.66 ng/ml



#26 Chlordane-4

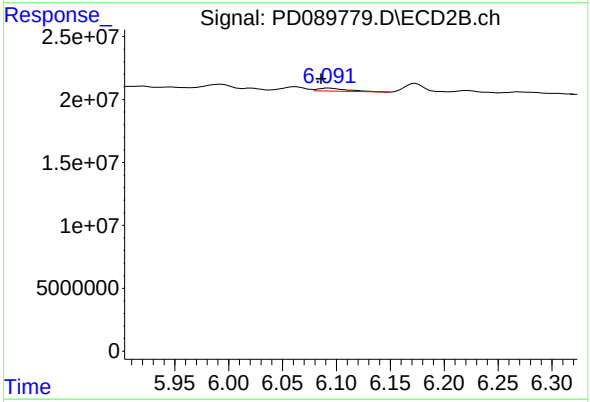
R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 51005893
Conc: 25.64 ng/ml



#27 Chlordane-5

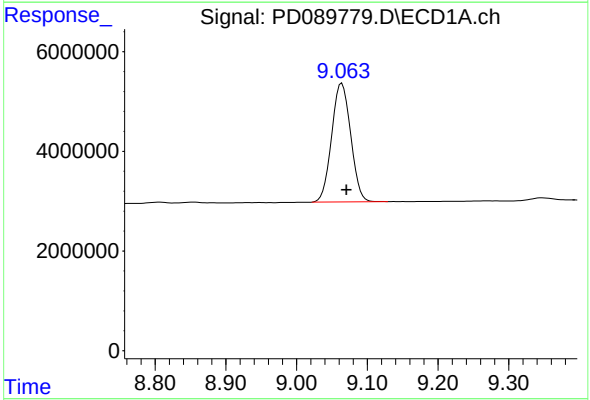
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



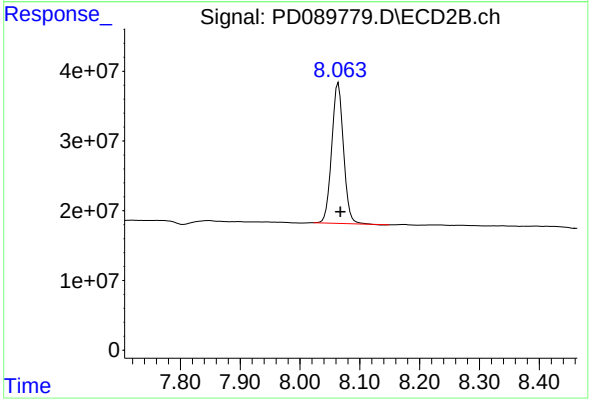
#27 Chlordane-5

R.T.: 6.093 min
Delta R.T.: 0.007 min
Response: 4444693
Conc: 4.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.007 min
Response: 44603398
Conc: 12.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 274910880
Conc: 13.69 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089780.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:36
Operator : AR\AJ
Sample : Q2747-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	29625458	236.4E6	12.011	14.924	
28)	SA Decachlor...	9.064	8.063	58649630	345.6E6	15.782	17.211	
	Target Compounds							
2)	A alpha-BHC	0.000	3.397	0	11897761	N.D.	0.490	#
3)	MA gamma-BHC...	0.000	3.724	0	9134234	N.D.	0.406	#
4)	MA Heptachlor	4.950f	4.071	3860837	18681839	0.802	0.805	
5)	MB Aldrin	5.267	4.368	818004	845609	0.179	0.038	#
6)	B beta-BHC	4.537f	0.000	467145	0	0.253	N.D.	#
7)	B delta-BHC	4.776	4.265	754611	4265552	0.165	0.188	
8)	B Heptachlo...	5.676	4.864	2114349	15604630	0.506	0.759	#
9)	A Endosulfan I	0.000	5.265f	0	20072790	N.D.	1.027	#
10)	B gamma-Chl...	5.940	5.120	3039945	20785866	0.727	0.960	#
11)	B alpha-Chl...	6.025	5.184	4929122	59742767	1.172	2.869	#
12)	B 4,4'-DDE	6.191	5.369	7389142	66550997	1.981	3.149	#
13)	MA Dieldrin	6.342	5.504	255597	29530725	0.061	1.365	#
14)	MA Endrin	6.569	5.789	737056	8112641	0.206	0.407	#
15)	B Endosulfa...	6.767f	6.062	269701	3776107	0.074	0.201	#
16)	A 4,4'-DDD	6.717	5.921	1142074	1815444	0.381	0.103	#
17)	MA 4,4'-DDT	6.991f	6.173	1129565	12506856	0.336	0.681	#
18)	B Endrin al...	0.000	6.271f	0	2322647	N.D.	0.180	#
19)	B Endosulfa...	0.000	6.475	0	3011715	N.D.	0.162	#
20)	A Methoxychlor	0.000	6.728f	0	7597483	N.D.	0.776	#
21)	B Endrin ke...	7.611f	0.000	336830	0	0.091	N.D.	#
22)	Mirex	8.114	7.170	136280	6636340	0.049	0.436	#
23)	Chlordane-1	4.708	3.899	623154	30335042	3.741	41.475	#
24)	Chlordane-2	5.235	4.457f	1075018	4651850	6.327	6.086	
25)	Chlordane-3	5.940	5.120	3039945	20785866	4.433	8.982	#
26)	Chlordane-4	6.025	5.184	4929122	59742767	5.888	30.029	#
27)	Chlordane-5	0.000	6.094	0	5275236	N.D.	5.831	#

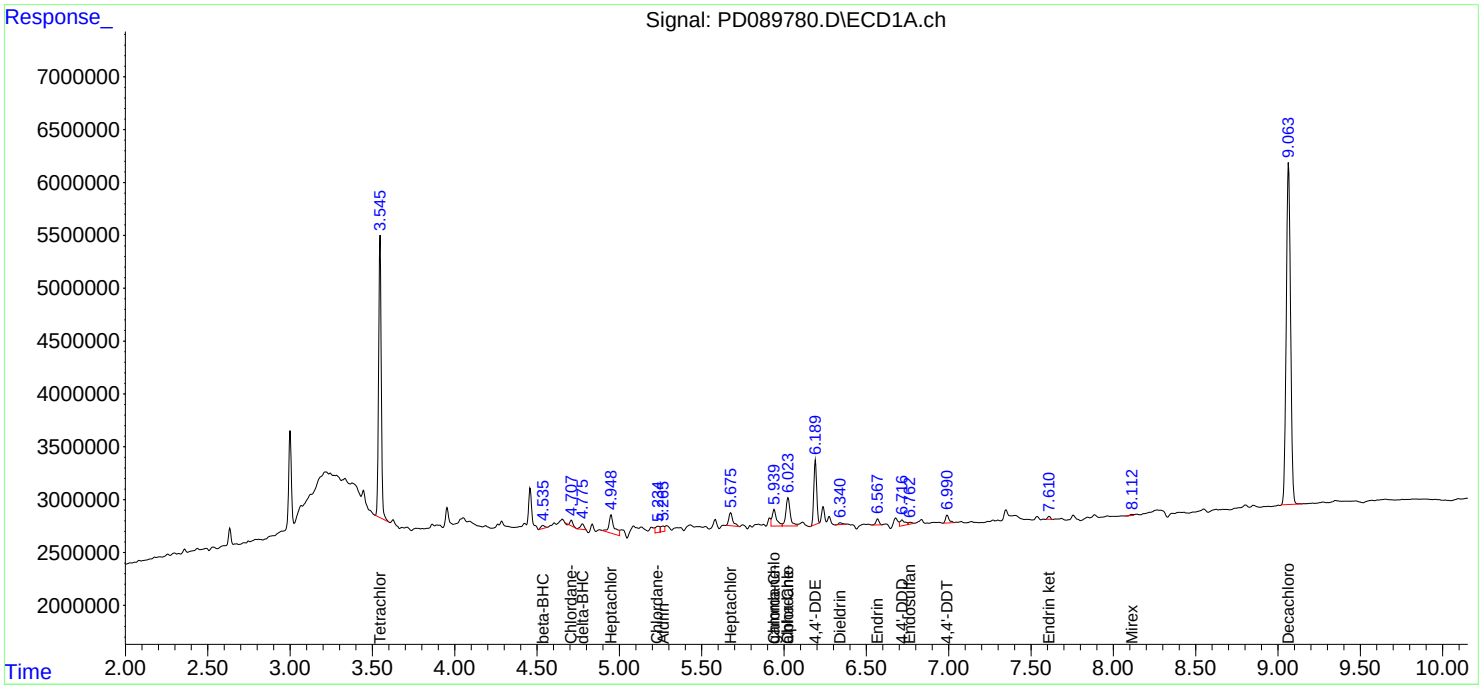
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

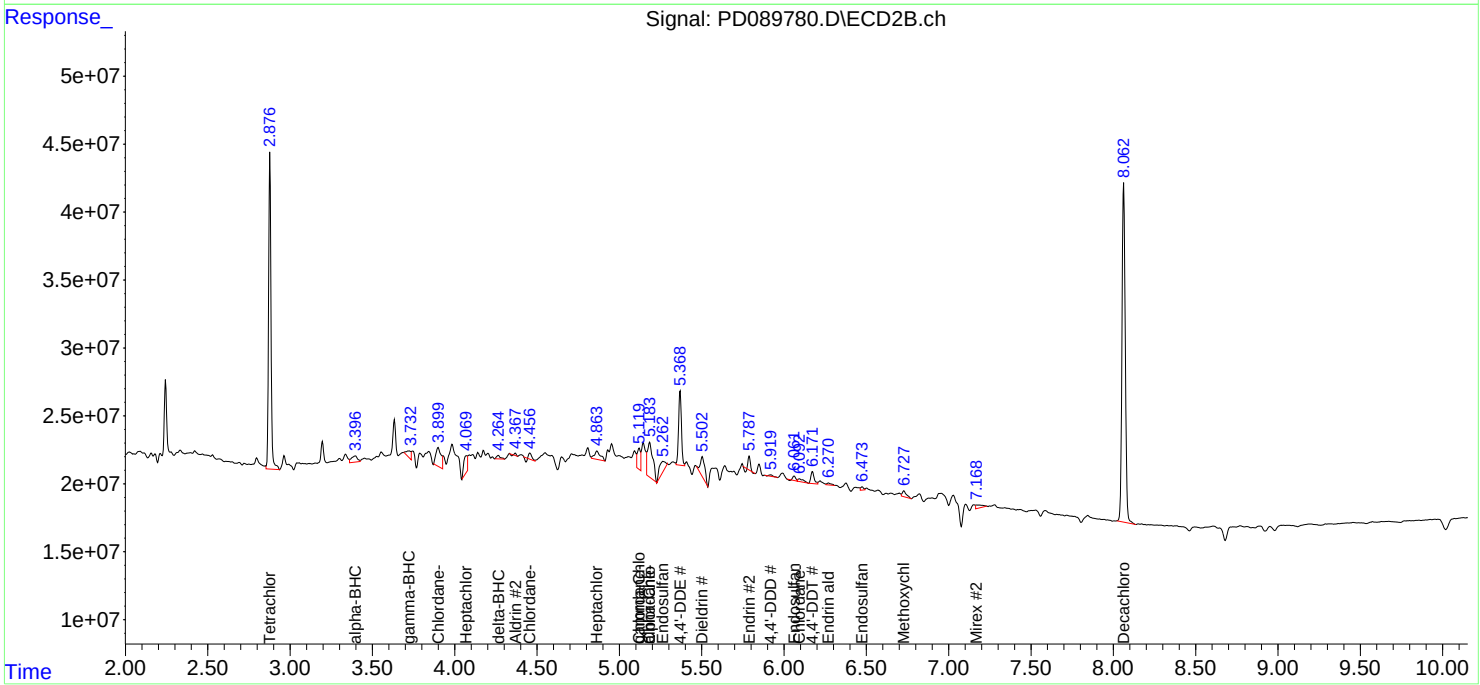
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089780.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:36
Operator : AR\AJ
Sample : Q2747-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

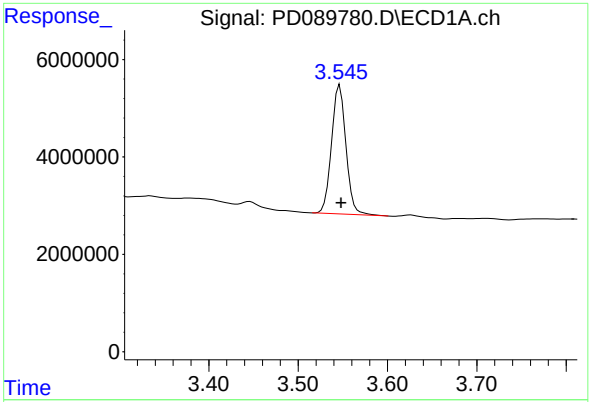
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:08:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



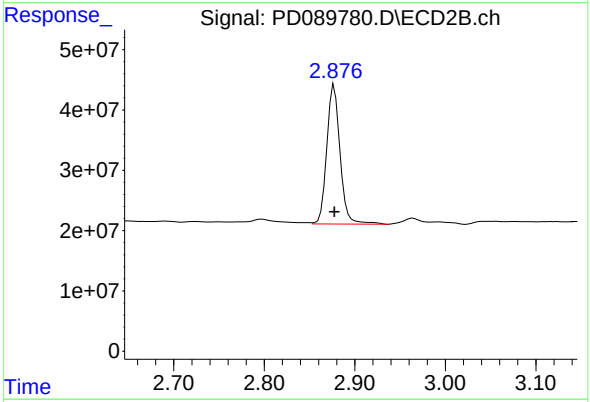




#1 Tetrachloro-m-xylene

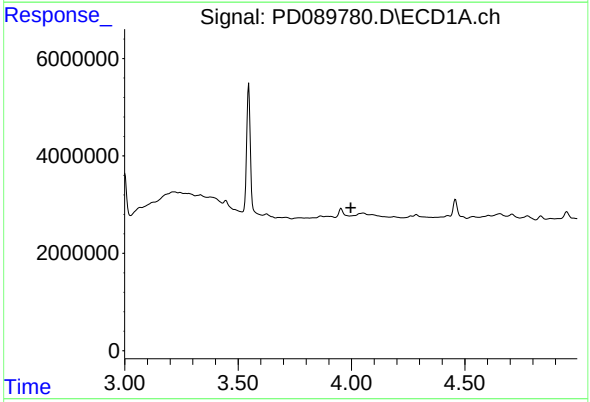
R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 29625458
Conc: 12.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



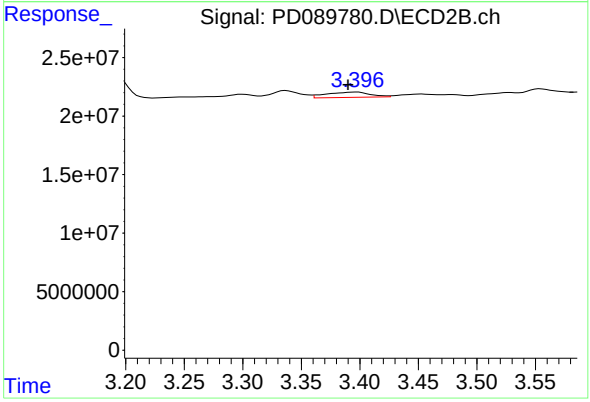
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 236368113
Conc: 14.92 ng/ml



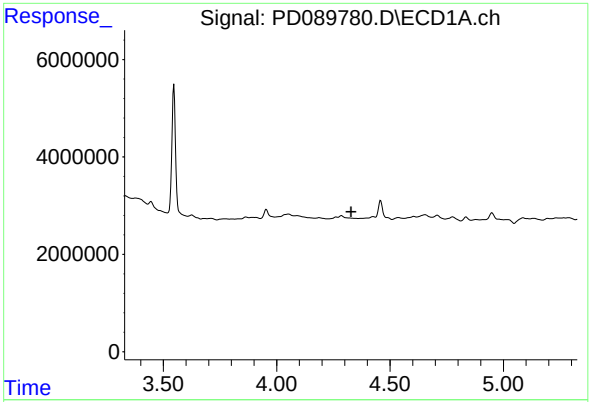
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

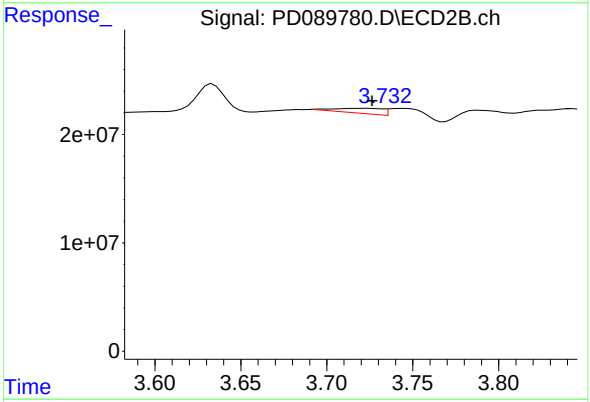
R.T.: 3.397 min
Delta R.T.: 0.007 min
Response: 11897761
Conc: 0.49 ng/ml



#3 gamma-BHC (Lindane)

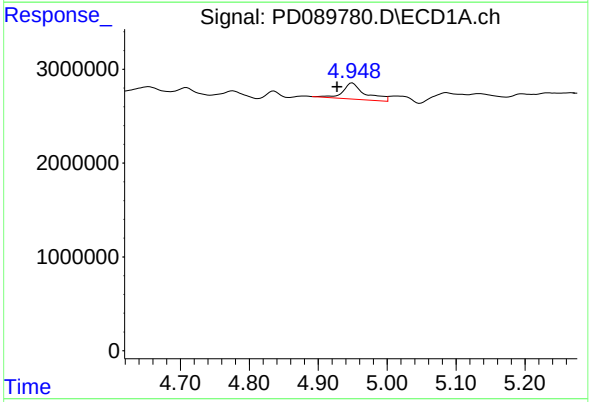
R.T.: 0.000 min
Exp R.T. : 4.328 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



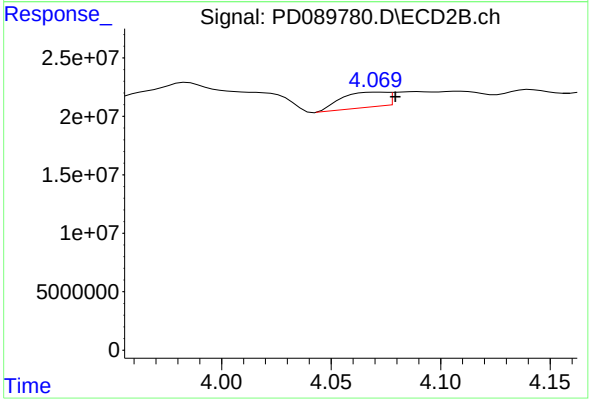
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.002 min
Response: 9134234
Conc: 0.41 ng/ml



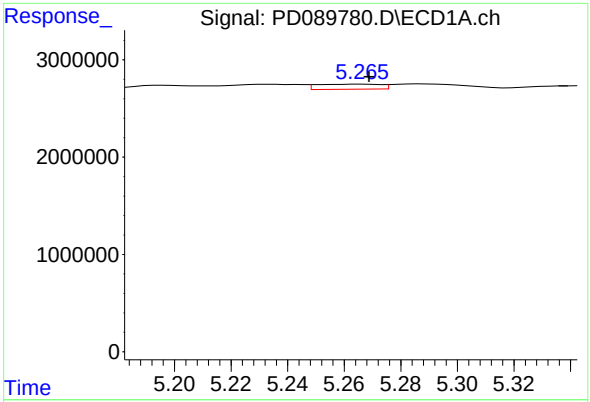
#4 Heptachlor

R.T.: 4.950 min
Delta R.T.: 0.022 min
Response: 3860837
Conc: 0.80 ng/ml



#4 Heptachlor

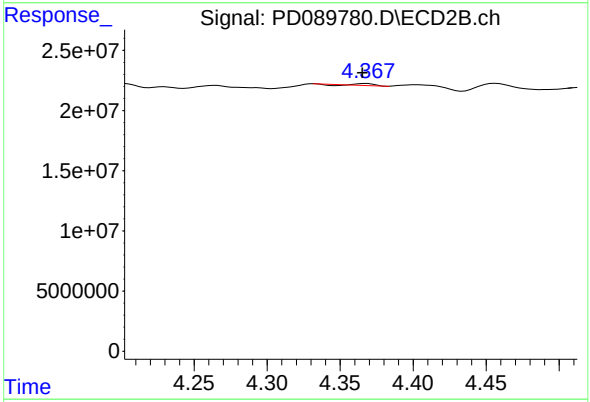
R.T.: 4.071 min
Delta R.T.: -0.008 min
Response: 18681839
Conc: 0.80 ng/ml



#5 Aldrin

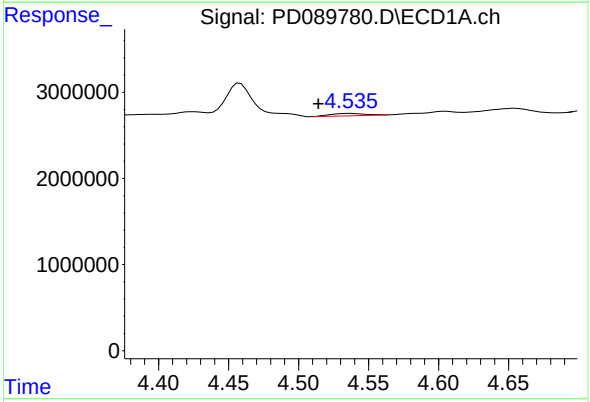
R.T.: 5.267 min
Delta R.T.: -0.002 min
Response: 818004
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



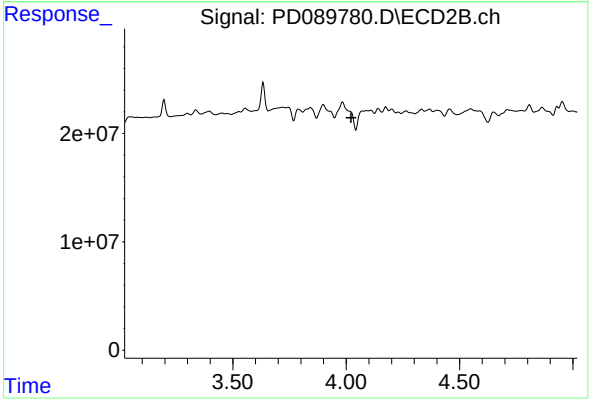
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.003 min
Response: 845609
Conc: 0.04 ng/ml



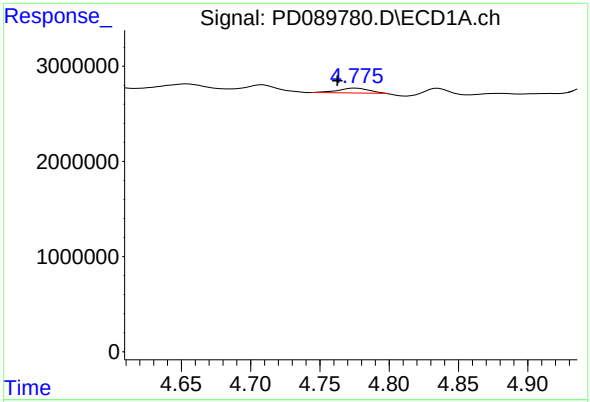
#6 beta-BHC

R.T.: 4.537 min
Delta R.T.: 0.023 min
Response: 467145
Conc: 0.25 ng/ml



#6 beta-BHC

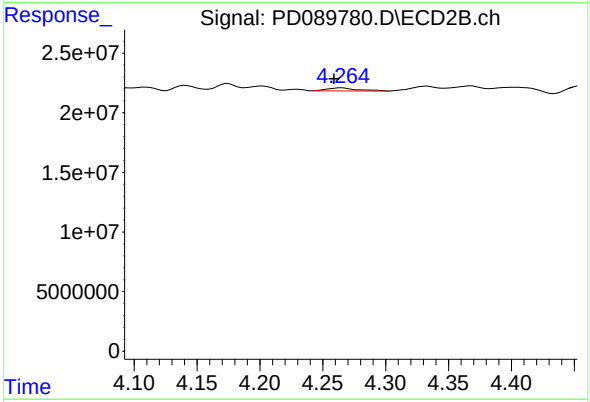
R.T.: 0.000 min
Exp R.T. : 4.022 min
Response: 0
Conc: N.D.



#7 delta-BHC

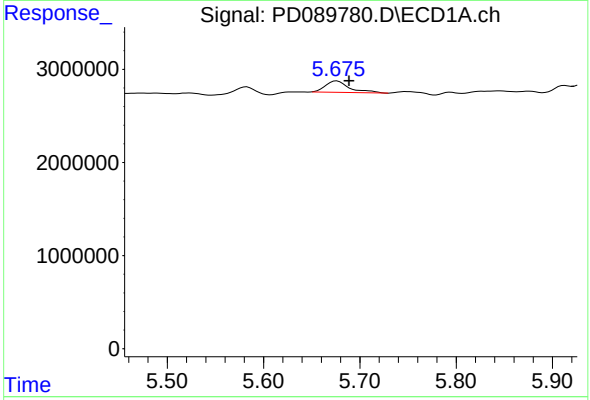
R.T.: 4.776 min
Delta R.T.: 0.013 min
Response: 754611
Conc: 0.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



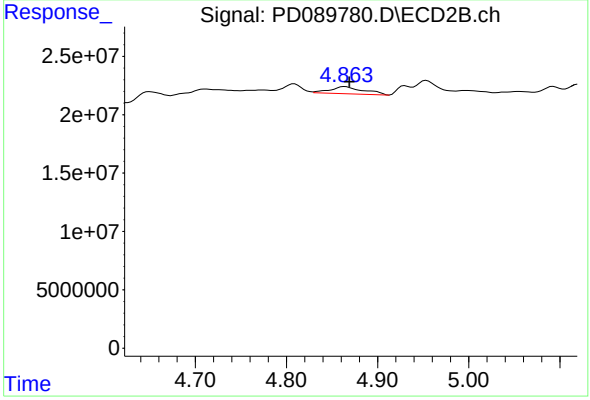
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.006 min
Response: 4265552
Conc: 0.19 ng/ml



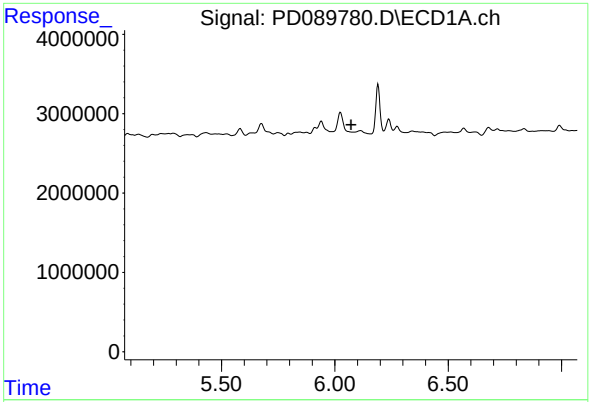
#8 Heptachlor epoxide

R.T.: 5.676 min
Delta R.T.: -0.013 min
Response: 2114349
Conc: 0.51 ng/ml



#8 Heptachlor epoxide

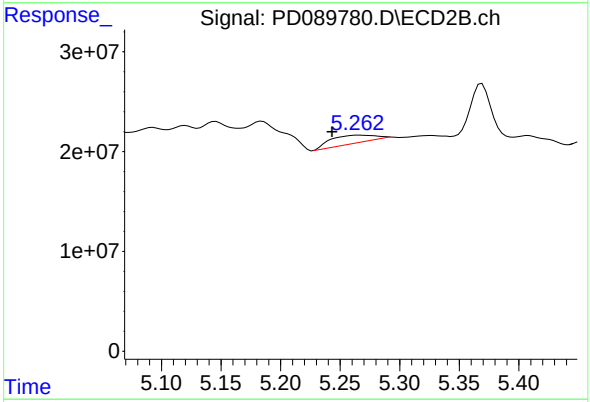
R.T.: 4.864 min
Delta R.T.: -0.005 min
Response: 15604630
Conc: 0.76 ng/ml



#9 Endosulfan I

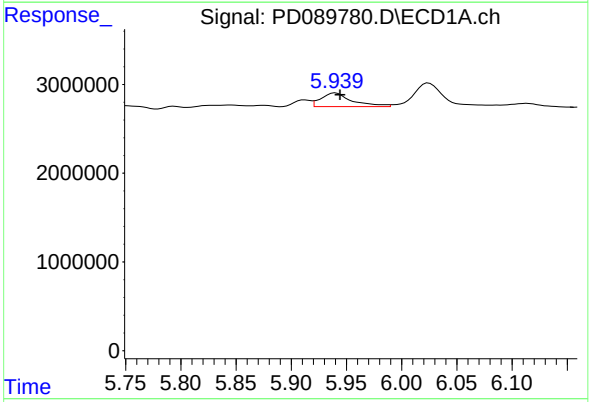
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



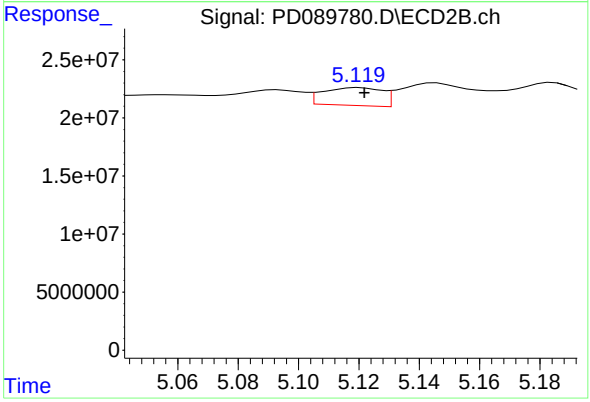
#9 Endosulfan I

R.T.: 5.265 min
Delta R.T.: 0.022 min
Response: 20072790
Conc: 1.03 ng/ml



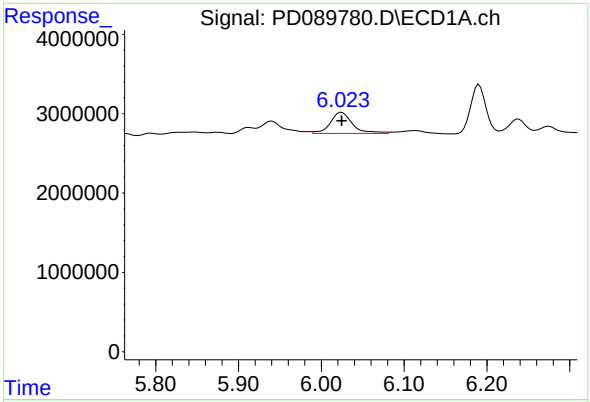
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 3039945
Conc: 0.73 ng/ml



#10 gamma-Chlordane

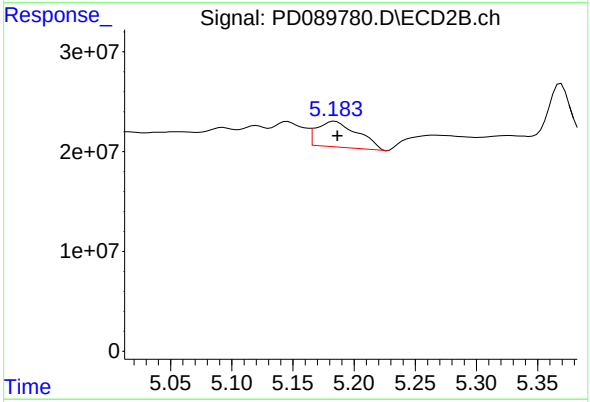
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 20785866
Conc: 0.96 ng/ml



#11 alpha-Chlordane

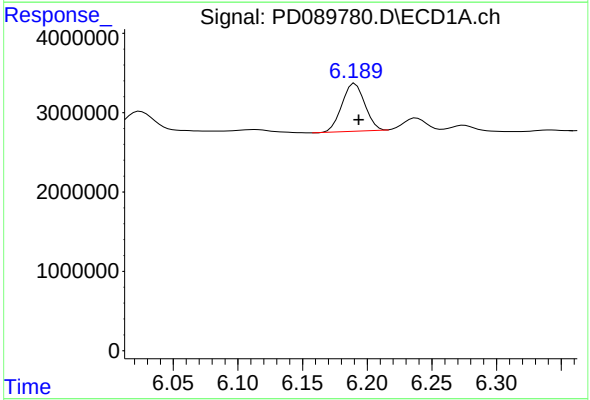
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 4929122
Conc: 1.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



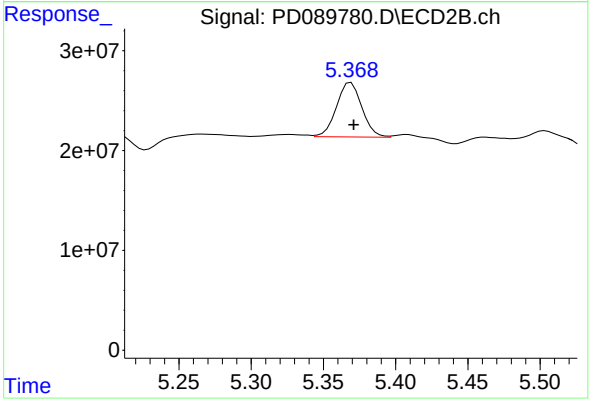
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 59742767
Conc: 2.87 ng/ml



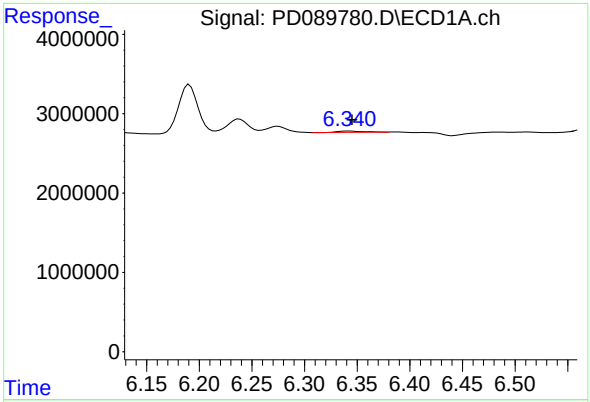
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 7389142
Conc: 1.98 ng/ml



#12 4,4'-DDE

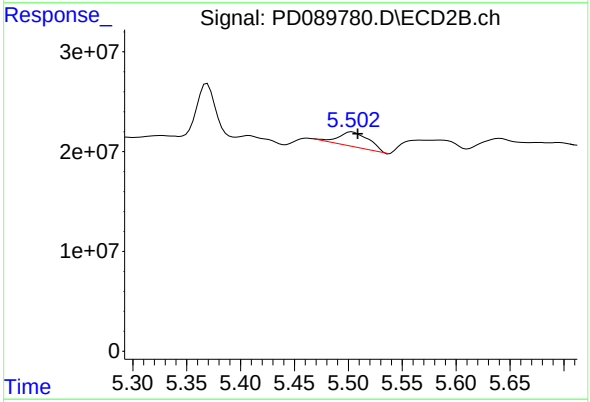
R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 66550997
Conc: 3.15 ng/ml



#13 Dieldrin

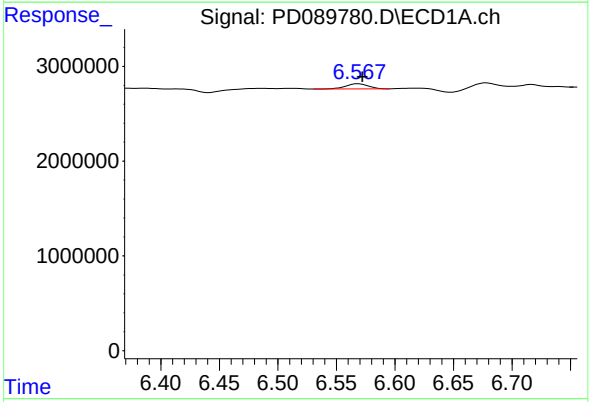
R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 255597
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



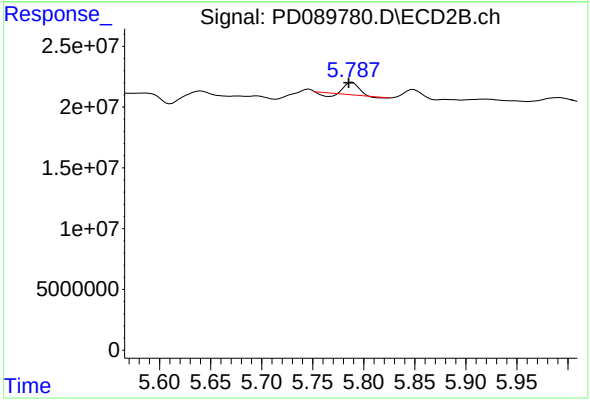
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.005 min
Response: 29530725
Conc: 1.36 ng/ml



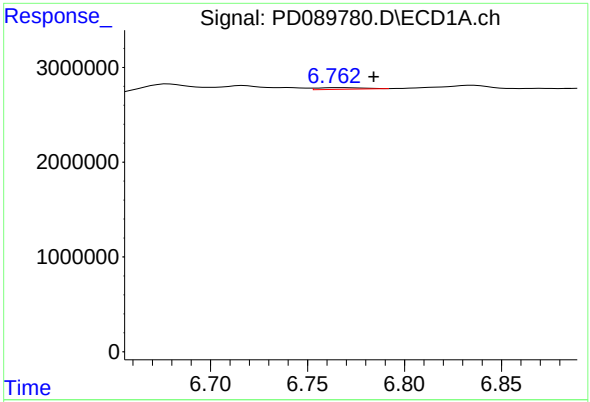
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.003 min
Response: 737056
Conc: 0.21 ng/ml



#14 Endrin

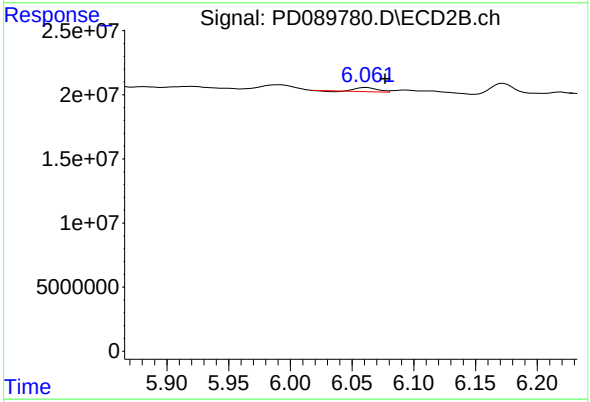
R.T.: 5.789 min
Delta R.T.: 0.004 min
Response: 8112641
Conc: 0.41 ng/ml



#15 Endosulfan II

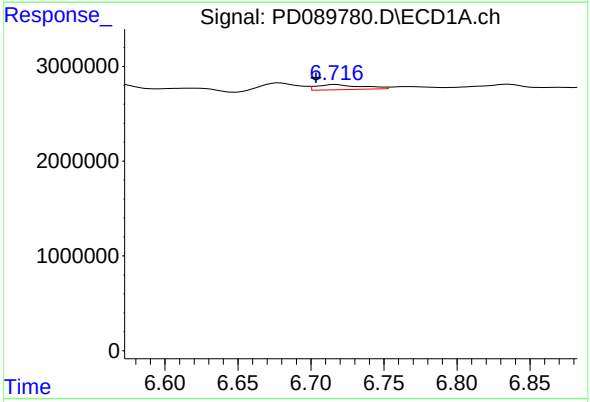
R.T.: 6.767 min
Delta R.T.: -0.017 min
Response: 269701
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



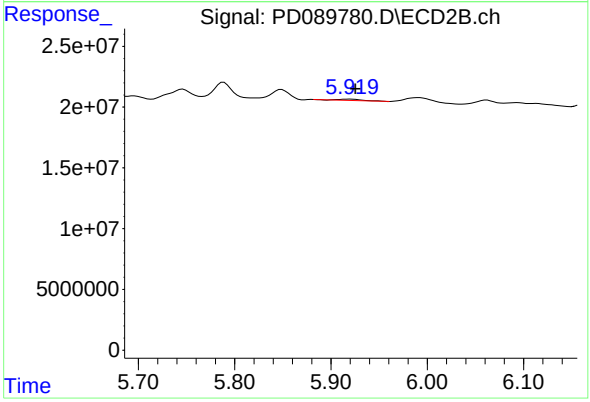
#15 Endosulfan II

R.T.: 6.062 min
Delta R.T.: -0.015 min
Response: 3776107
Conc: 0.20 ng/ml



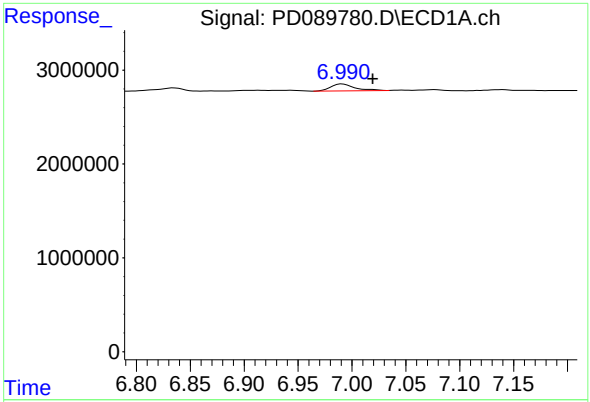
#16 4,4'-DDD

R.T.: 6.717 min
Delta R.T.: 0.014 min
Response: 1142074
Conc: 0.38 ng/ml



#16 4,4'-DDD

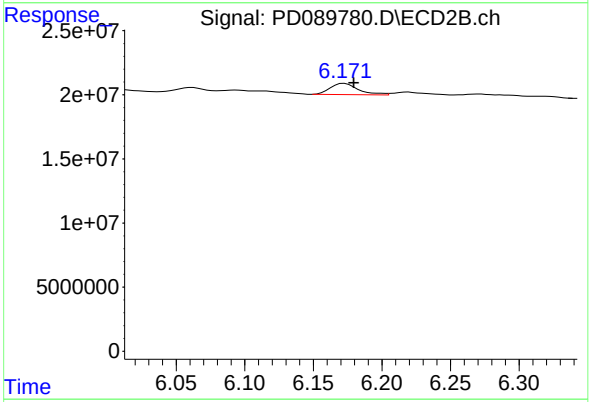
R.T.: 5.921 min
Delta R.T.: -0.005 min
Response: 1815444
Conc: 0.10 ng/ml



#17 4,4'-DDT

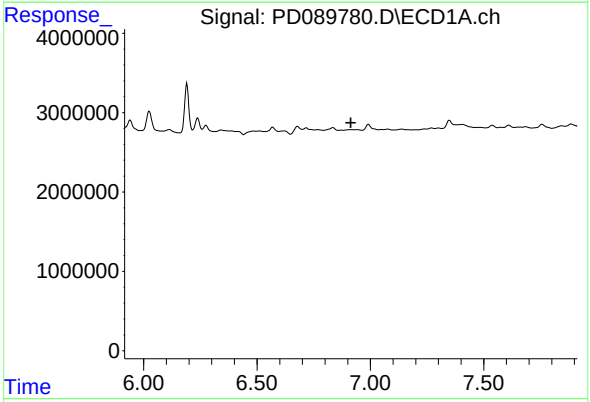
R.T.: 6.991 min
Delta R.T.: -0.028 min
Response: 1129565
Conc: 0.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



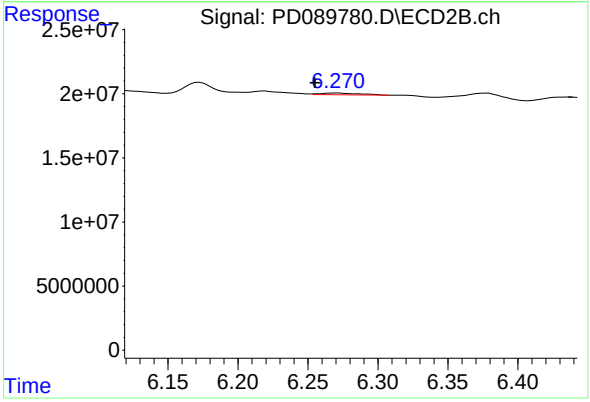
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.007 min
Response: 12506856
Conc: 0.68 ng/ml



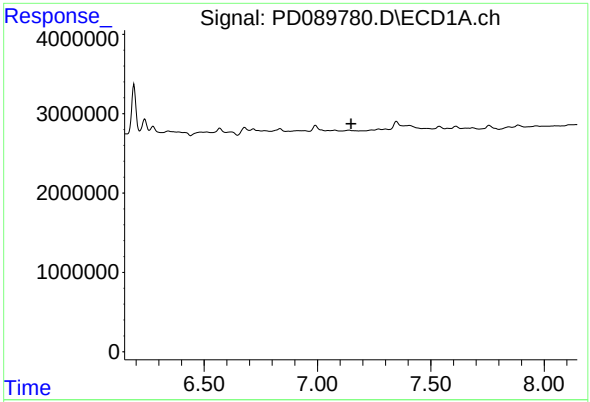
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.913 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

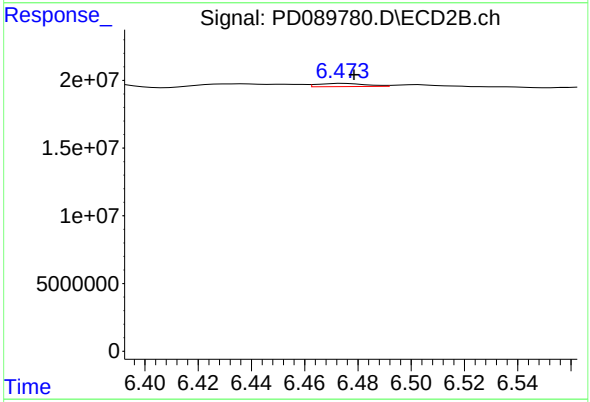
R.T.: 6.271 min
Delta R.T.: 0.016 min
Response: 2322647
Conc: 0.18 ng/ml



#19 Endosulfan Sulfate

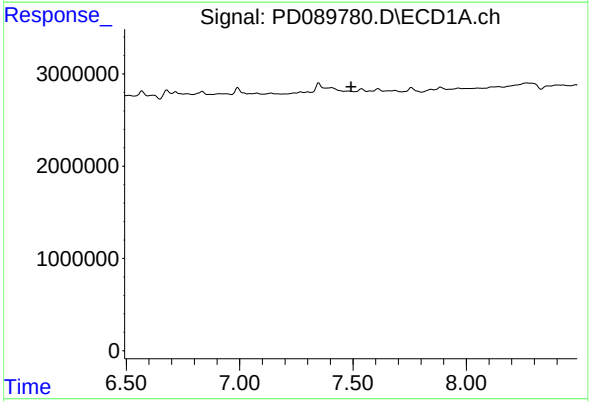
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



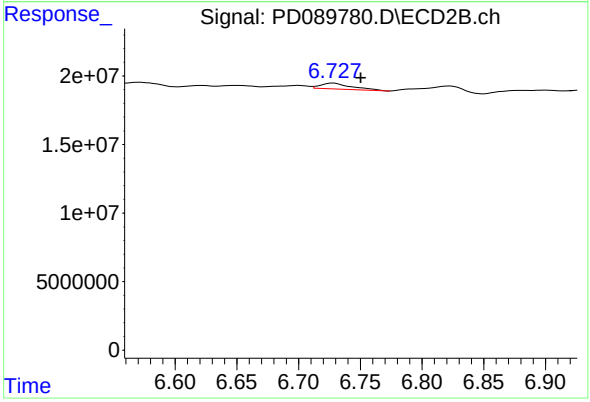
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: -0.004 min
Response: 3011715
Conc: 0.16 ng/ml



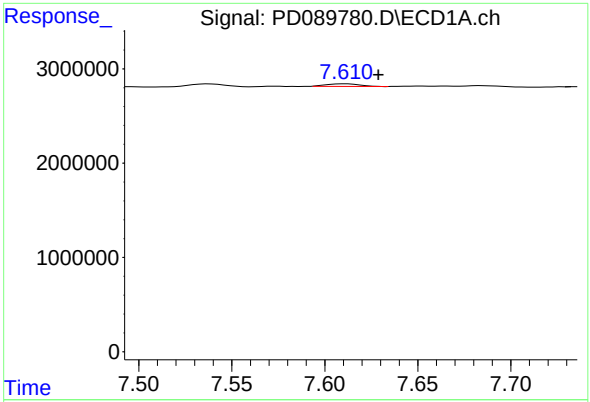
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.



#20 Methoxychlor

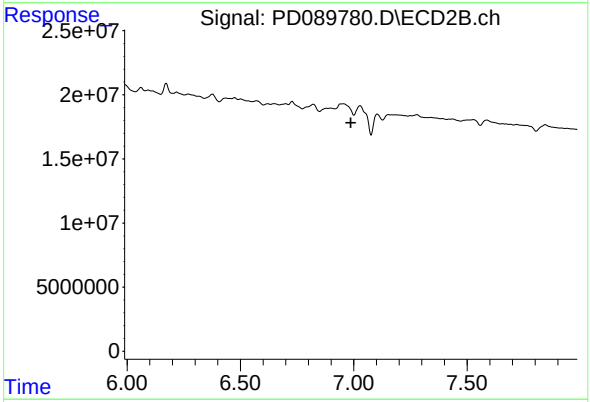
R.T.: 6.728 min
Delta R.T.: -0.022 min
Response: 7597483
Conc: 0.78 ng/ml



#21 Endrin ketone

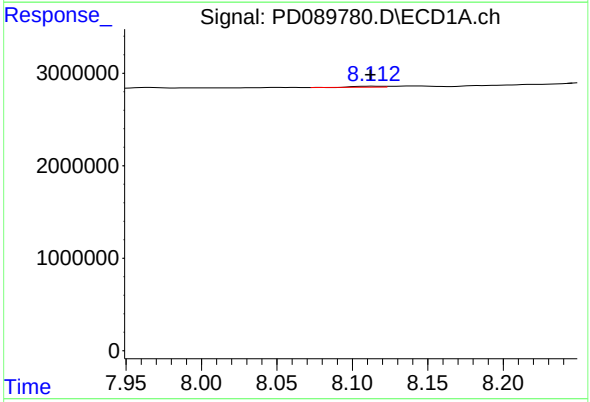
R.T.: 7.611 min
Delta R.T.: -0.018 min
Response: 336830
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



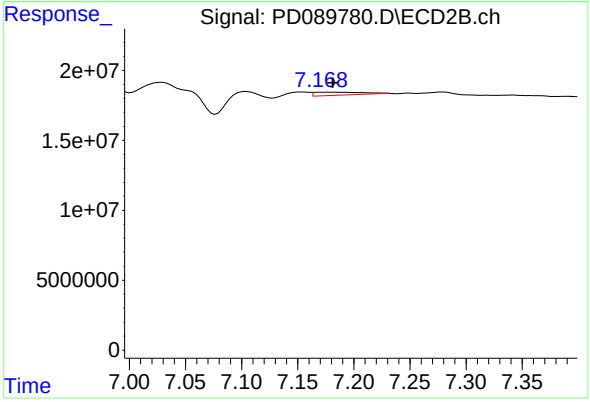
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.988 min
Response: 0
Conc: N.D.



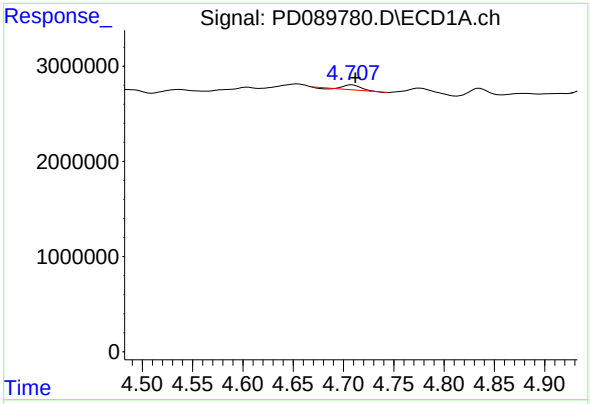
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.002 min
Response: 136280
Conc: 0.05 ng/ml



#22 Mirex

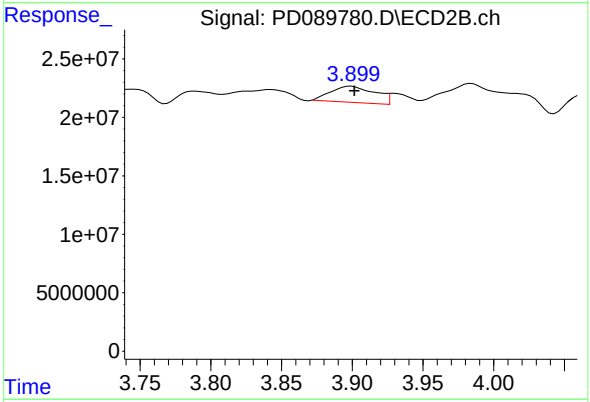
R.T.: 7.170 min
Delta R.T.: -0.011 min
Response: 6636340
Conc: 0.44 ng/ml



#23 Chlordane-1

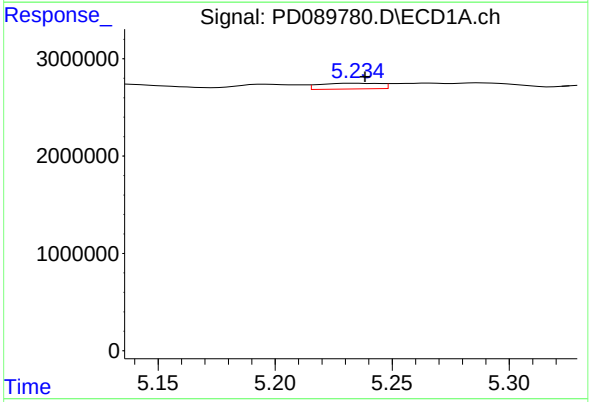
R.T.: 4.708 min
Delta R.T.: -0.003 min
Response: 623154
Conc: 3.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



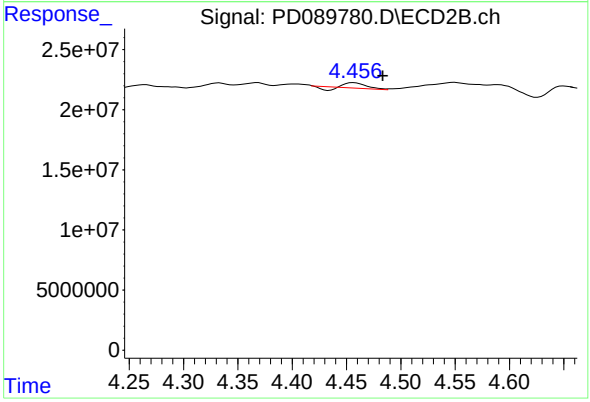
#23 Chlordane-1

R.T.: 3.899 min
Delta R.T.: -0.002 min
Response: 30335042
Conc: 41.48 ng/ml



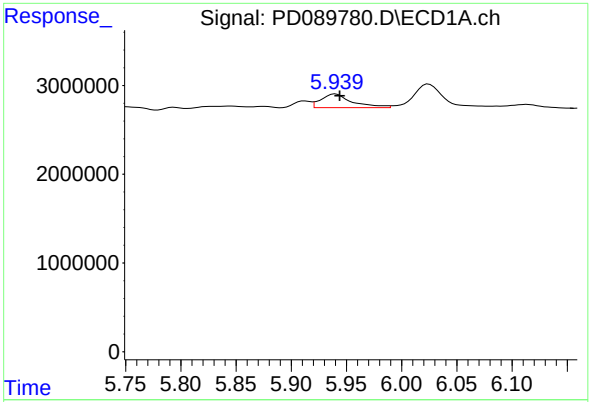
#24 Chlordane-2

R.T.: 5.235 min
Delta R.T.: -0.004 min
Response: 1075018
Conc: 6.33 ng/ml



#24 Chlordane-2

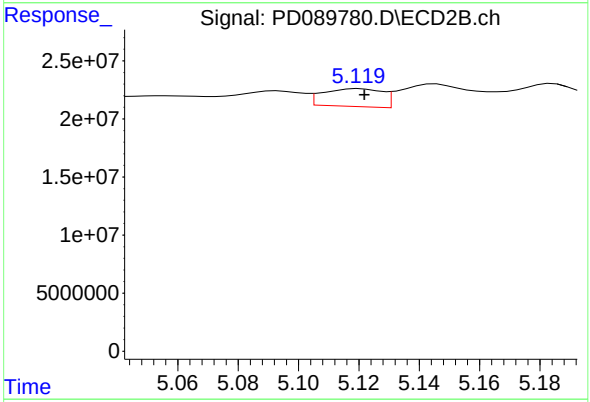
R.T.: 4.457 min
Delta R.T.: -0.027 min
Response: 4651850
Conc: 6.09 ng/ml



#25 Chlordane-3

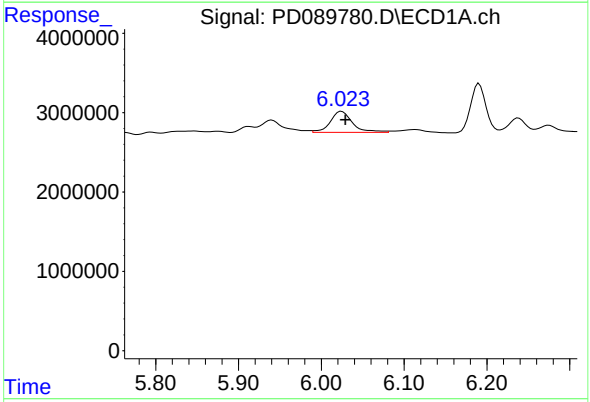
R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 3039945
Conc: 4.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



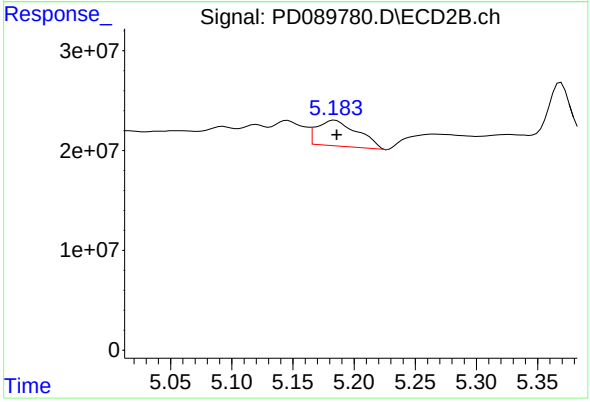
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 20785866
Conc: 8.98 ng/ml



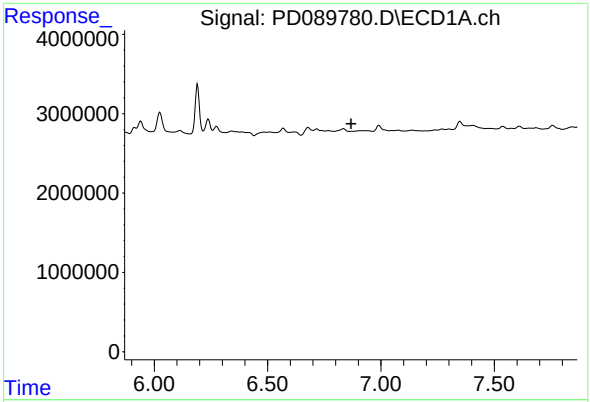
#26 Chlordane-4

R.T.: 6.025 min
Delta R.T.: -0.005 min
Response: 4929122
Conc: 5.89 ng/ml



#26 Chlordane-4

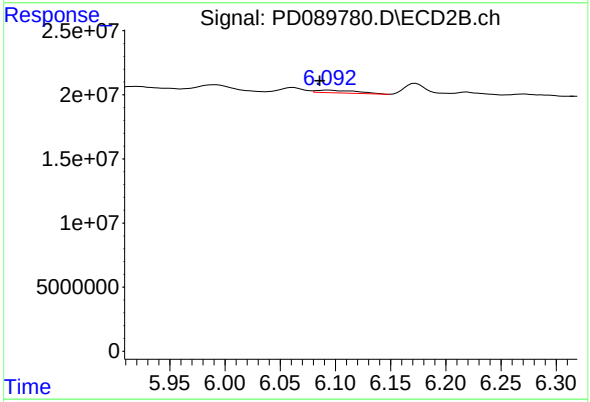
R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 59742767
Conc: 30.03 ng/ml



#27 Chlordane-5

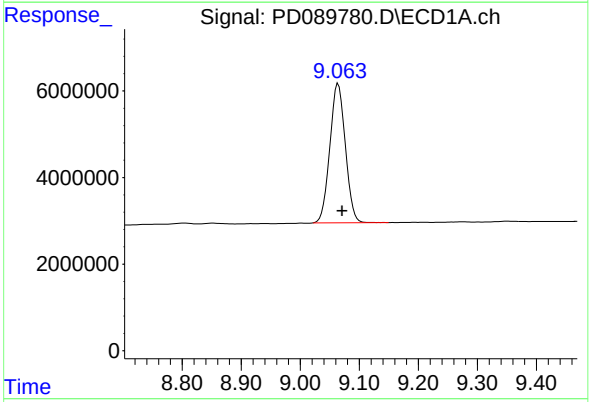
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



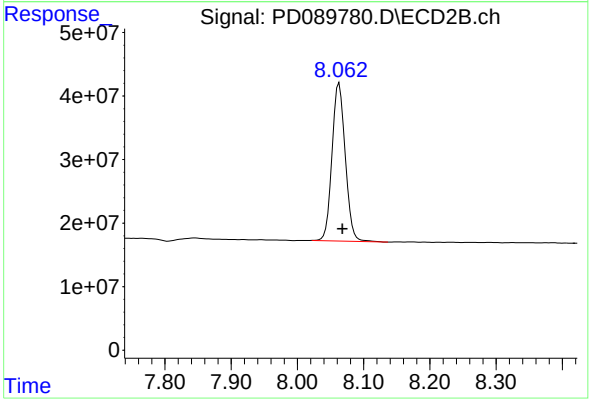
#27 Chlordane-5

R.T.: 6.094 min
Delta R.T.: 0.008 min
Response: 5275236
Conc: 5.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.006 min
Response: 58649630
Conc: 15.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.005 min
Response: 345563448
Conc: 17.21 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089781.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:50
Operator : AR\AJ
Sample : Q2747-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	32069109	257.1E6	13.001	16.236	
28)	SA Decachlor...	9.064	8.064	42905294	254.0E6	11.545	12.653	
	Target Compounds							
2)	A alpha-BHC	0.000	3.398	0	9062429	N.D.	0.373	#
3)	MA gamma-BHC...	0.000	3.722	0	7020585	N.D.	0.312	#
4)	MA Heptachlor	4.950f	4.090	4178270	11663805	0.868	0.503	#
5)	MB Aldrin	5.260	4.368	666208	1413199	0.146	0.064	#
6)	B beta-BHC	4.536f	0.000	514321	0	0.279	N.D.	#
7)	B delta-BHC	4.775	4.266	1283454	3518739	0.280	0.155	#
8)	B Heptachlo...	5.677	4.865	2726972	15683359	0.652	0.763	
9)	A Endosulfan I	0.000	5.264f	0	19822255	N.D.	1.014	#
10)	B gamma-Chl...	5.940	5.120	2444555	20233862	0.585	0.934	#
11)	B alpha-Chl...	6.024	5.185	4749753	57369324	1.130	2.755	#
12)	B 4,4'-DDE	6.191	5.369	7214607	65284519	1.934	3.089	#
13)	MA Dieldrin	6.341	5.503	277397	28700437	0.066	1.326	#
14)	MA Endrin	6.568	5.789	685132	24187391	0.191	1.214	#
15)	B Endosulfa...	0.000	6.084	0	3510610	N.D.	0.187	#
16)	A 4,4'-DDD	6.716	5.922	984760	2180045	0.329	0.124	#
17)	MA 4,4'-DDT	6.992f	6.173	1161583	10795816	0.346	0.588	#
18)	B Endrin al...	0.000	6.268	0	1465327	N.D.	0.113	#
19)	B Endosulfa...	0.000	6.473	0	4493868	N.D.	0.242	#
20)	A Methoxychlor	0.000	6.727f	0	9305589	N.D.	0.950	#
21)	B Endrin ke...	7.612f	0.000	286640	0	0.077	N.D.	#
22)	Mirex	8.113	7.184	181777	3683029	0.065	0.242	#
23)	Chlordane-1	4.709	3.900	514426	40642405	3.089	55.568	#
24)	Chlordane-2	5.234	4.456f	1072349	3722674	6.311	4.870	
25)	Chlordane-3	5.940	5.120	2444555	20233862	3.564	8.743	#
26)	Chlordane-4	6.024	5.185	4749753	57369324	5.674	28.836	#
27)	Chlordane-5	0.000	6.084	0	3510610	N.D.	3.880	#

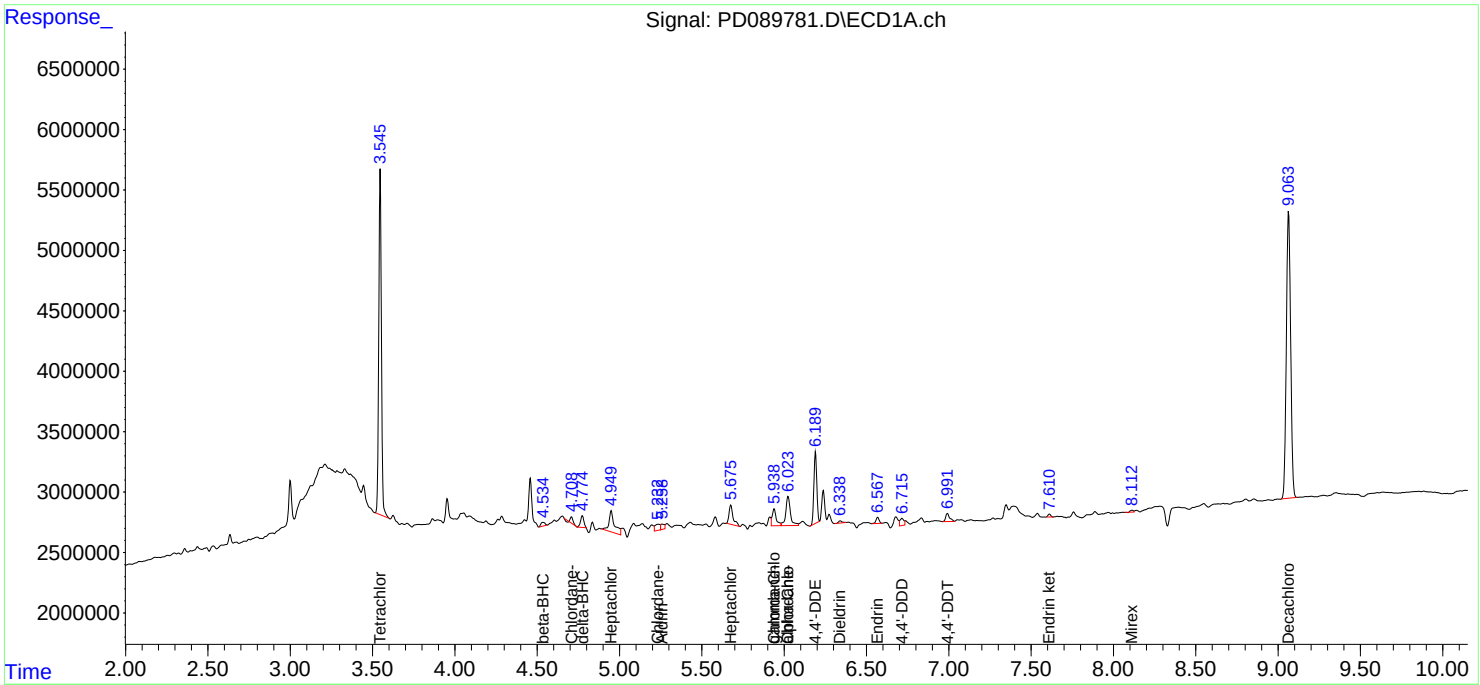
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

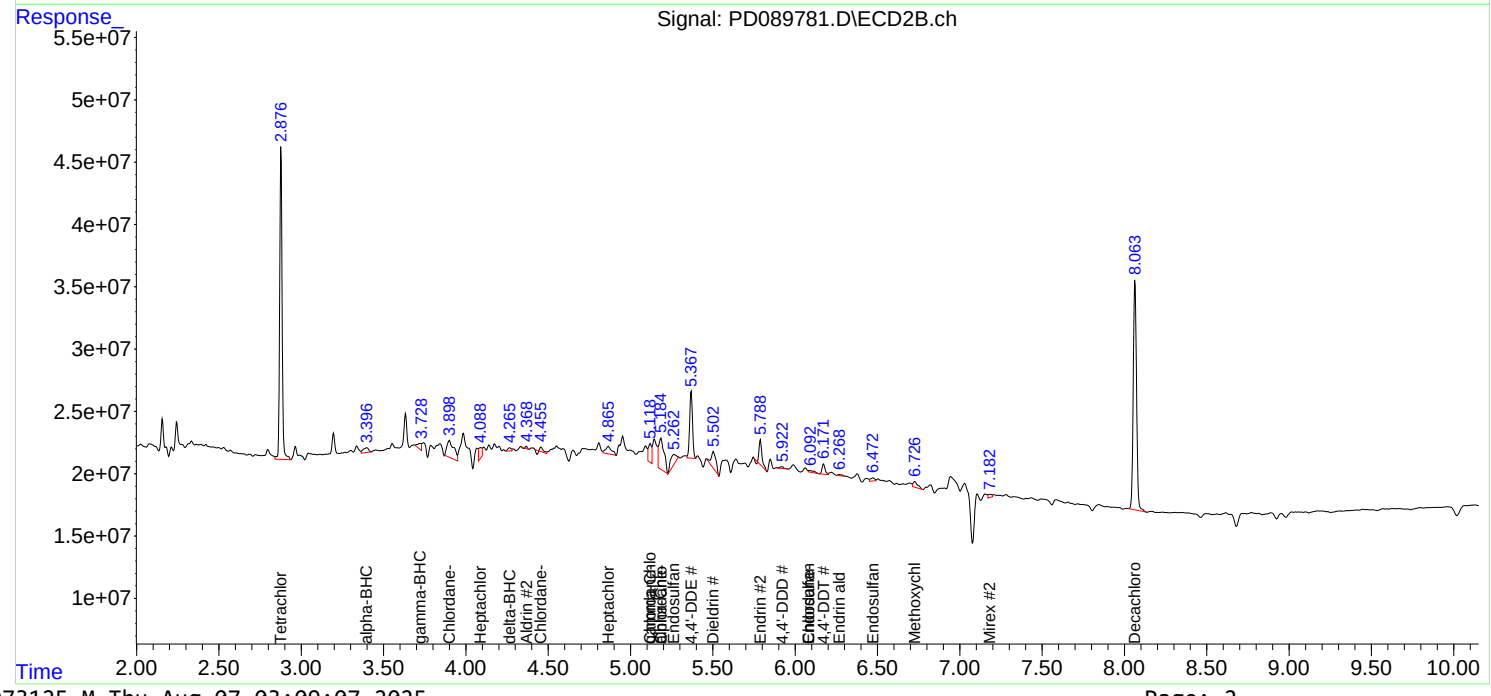
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089781.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 18:50
Operator : AR\AJ
Sample : Q2747-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

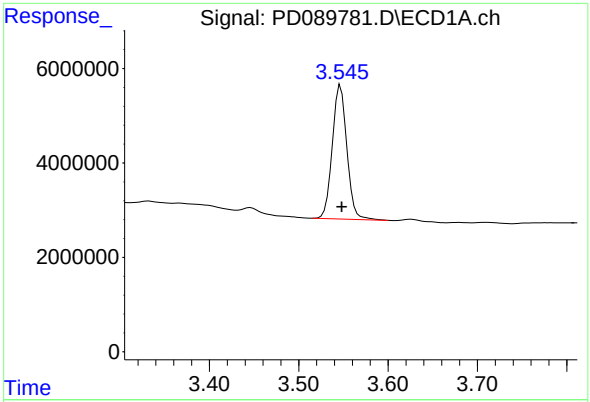
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



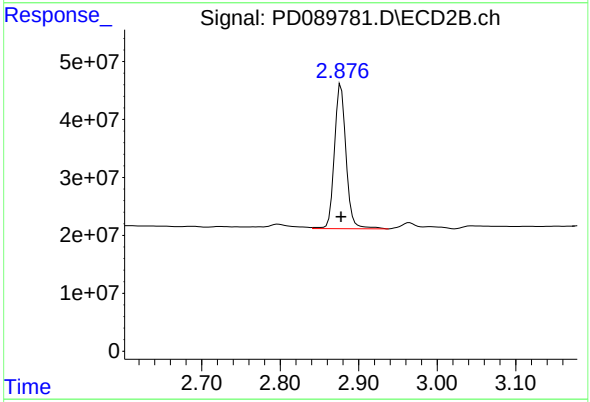




#1 Tetrachloro-m-xylene

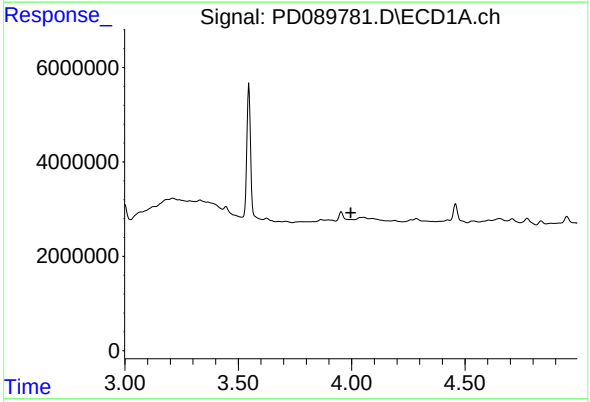
R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 32069109
Conc: 13.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



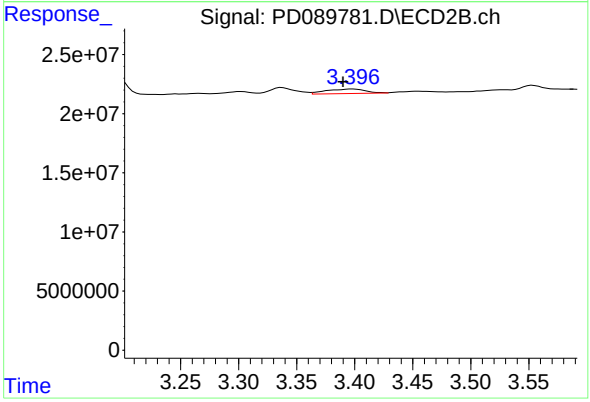
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 257136730
Conc: 16.24 ng/ml



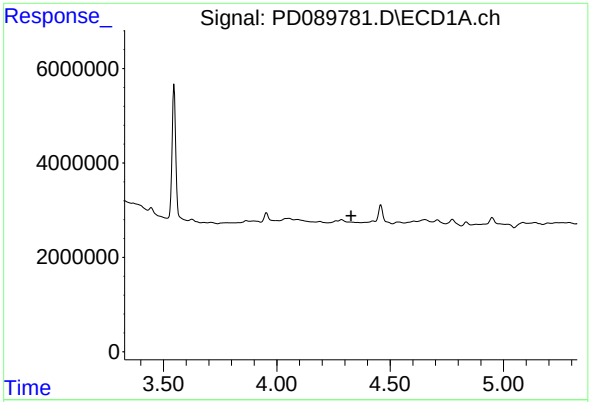
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

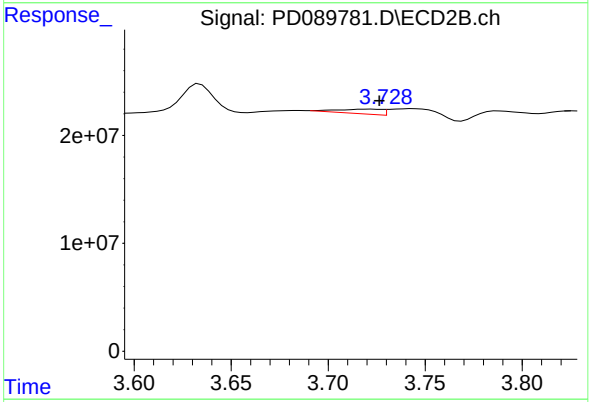
R.T.: 3.398 min
Delta R.T.: 0.008 min
Response: 9062429
Conc: 0.37 ng/ml



#3 gamma-BHC (Lindane)

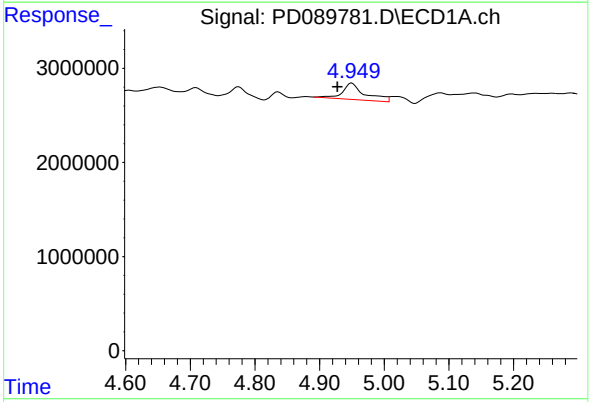
R.T.: 0.000 min
Exp R.T. : 4.328 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



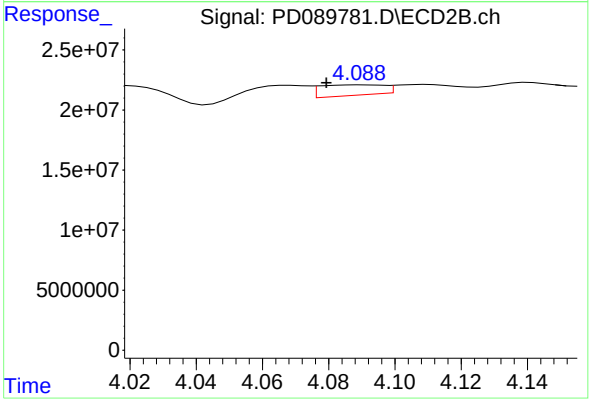
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.005 min
Response: 7020585
Conc: 0.31 ng/ml



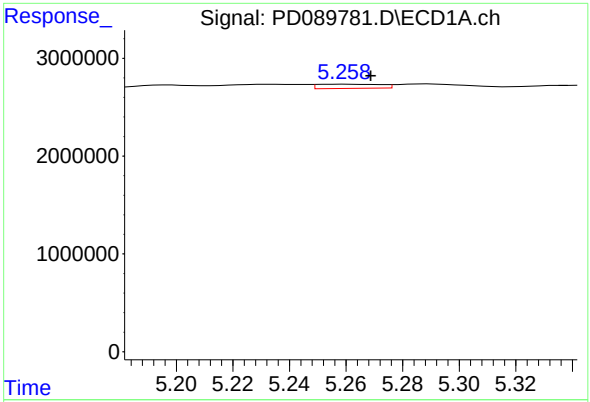
#4 Heptachlor

R.T.: 4.950 min
Delta R.T.: 0.022 min
Response: 4178270
Conc: 0.87 ng/ml



#4 Heptachlor

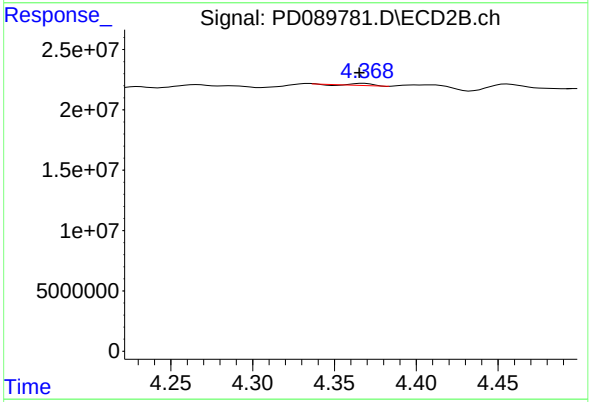
R.T.: 4.090 min
Delta R.T.: 0.010 min
Response: 11663805
Conc: 0.50 ng/ml



#5 Aldrin

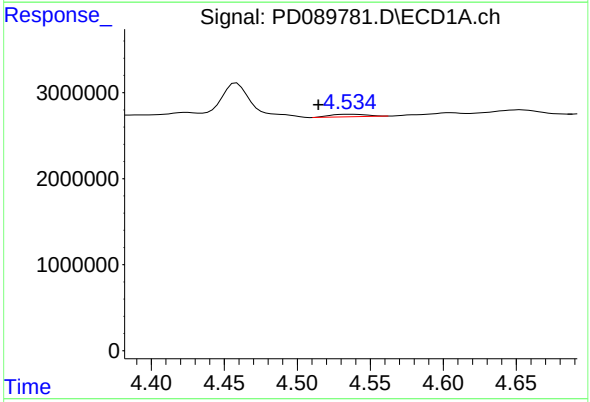
R.T.: 5.260 min
Delta R.T.: -0.008 min
Response: 666208
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



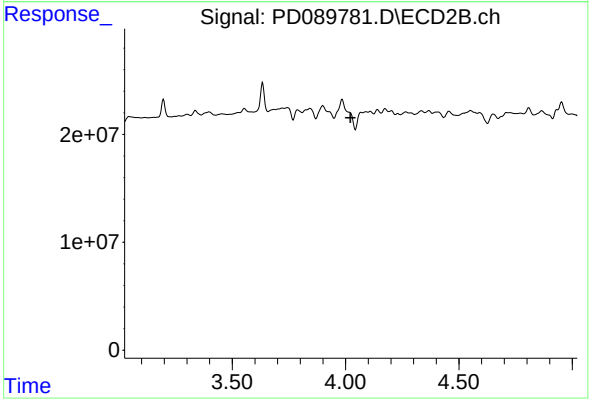
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.003 min
Response: 1413199
Conc: 0.06 ng/ml



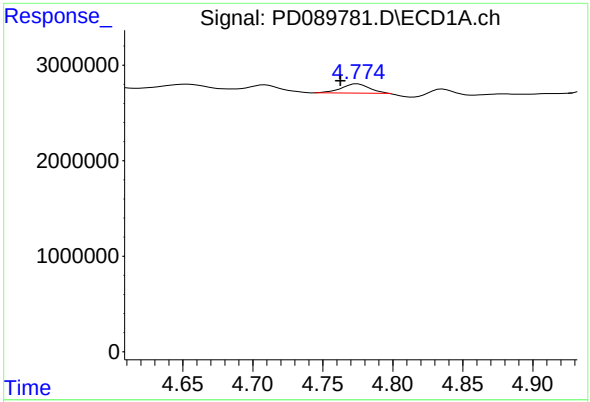
#6 beta-BHC

R.T.: 4.536 min
Delta R.T.: 0.021 min
Response: 514321
Conc: 0.28 ng/ml



#6 beta-BHC

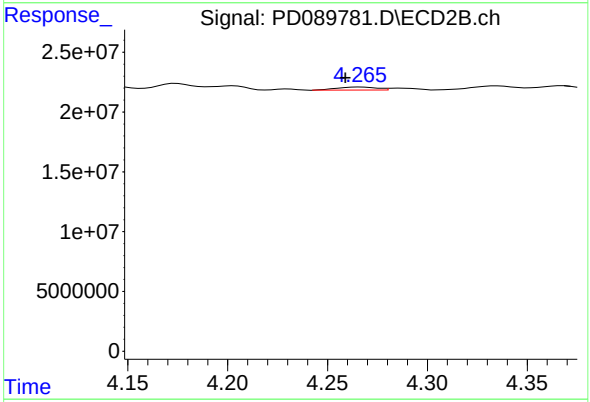
R.T.: 0.000 min
Exp R.T. : 4.022 min
Response: 0
Conc: N.D.



#7 delta-BHC

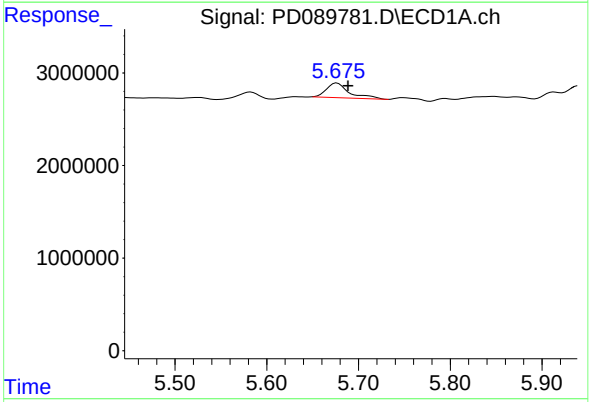
R.T.: 4.775 min
Delta R.T.: 0.012 min
Response: 1283454
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



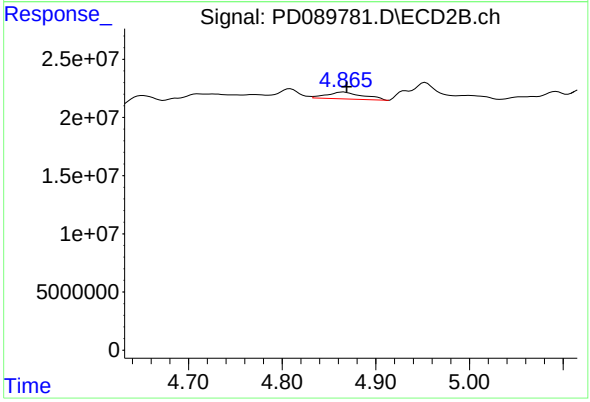
#7 delta-BHC

R.T.: 4.266 min
Delta R.T.: 0.008 min
Response: 3518739
Conc: 0.15 ng/ml



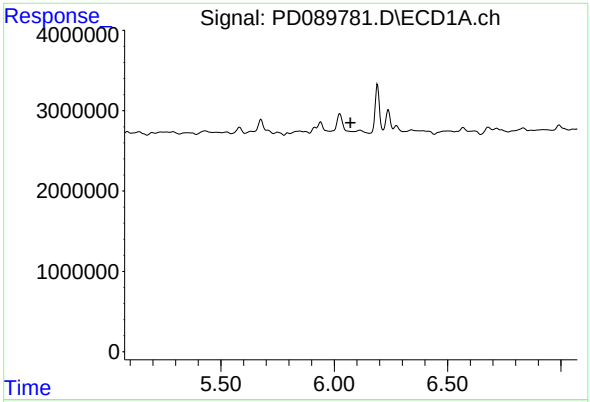
#8 Heptachlor epoxide

R.T.: 5.677 min
Delta R.T.: -0.012 min
Response: 2726972
Conc: 0.65 ng/ml



#8 Heptachlor epoxide

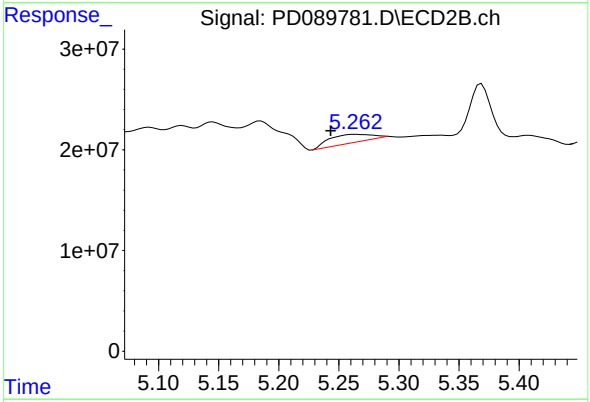
R.T.: 4.865 min
Delta R.T.: -0.004 min
Response: 15683359
Conc: 0.76 ng/ml



#9 Endosulfan I

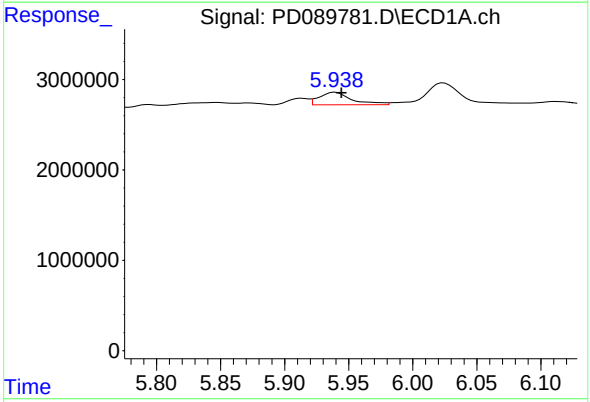
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



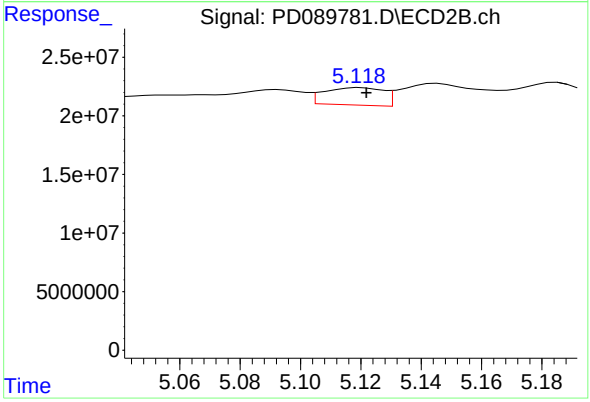
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: 0.021 min
Response: 19822255
Conc: 1.01 ng/ml



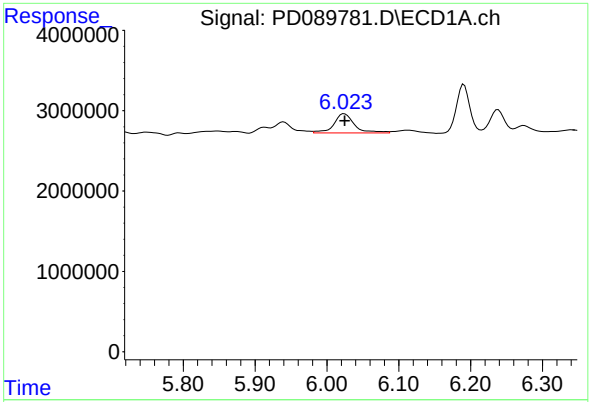
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.005 min
Response: 2444555
Conc: 0.58 ng/ml



#10 gamma-Chlordane

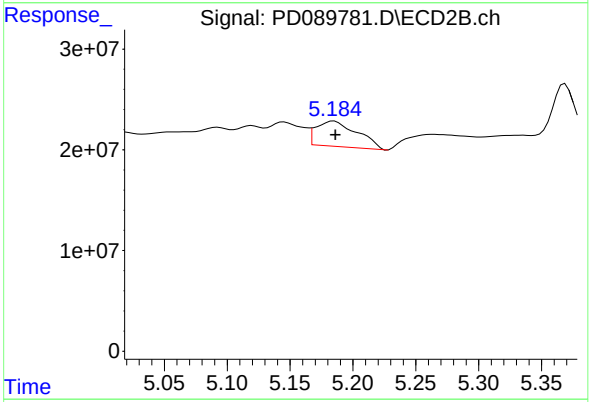
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 20233862
Conc: 0.93 ng/ml



#11 alpha-Chlordane

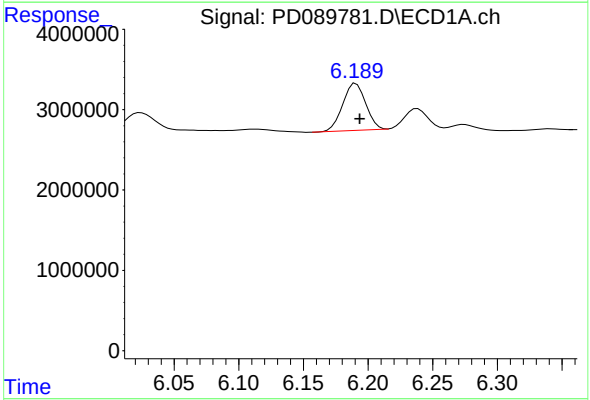
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 4749753
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



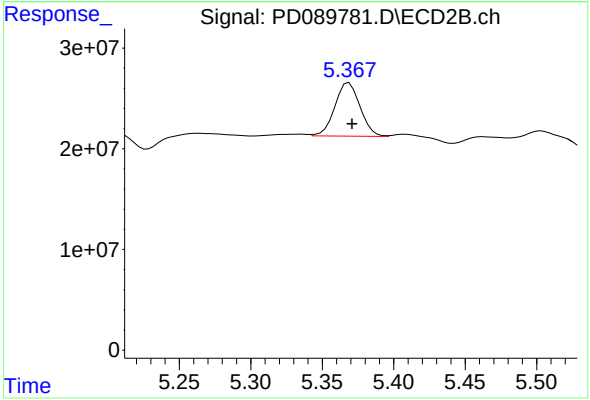
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 57369324
Conc: 2.76 ng/ml



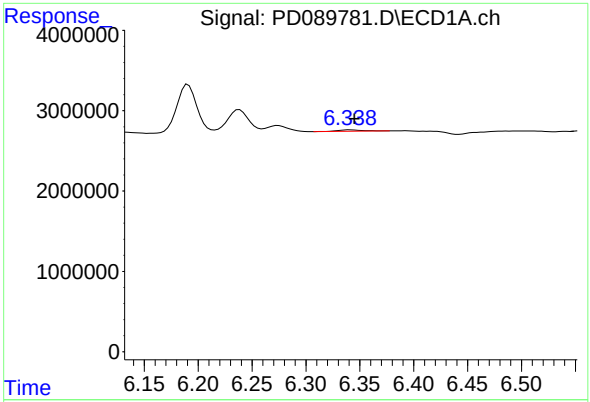
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 7214607
Conc: 1.93 ng/ml



#12 4,4'-DDE

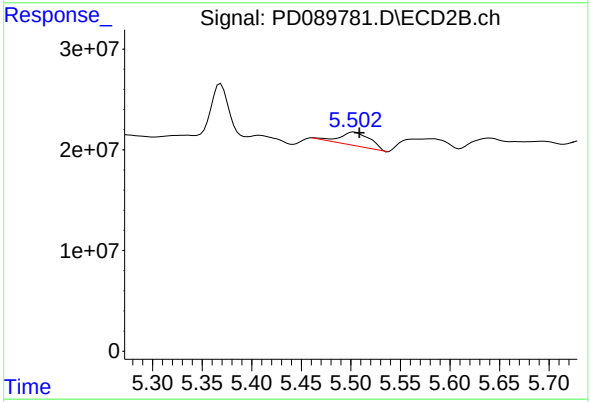
R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 65284519
Conc: 3.09 ng/ml



#13 Dieldrin

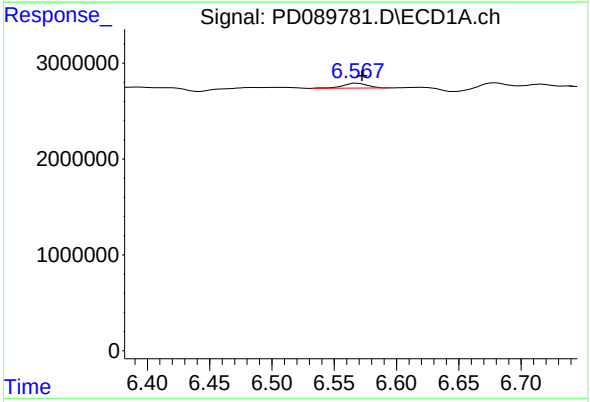
R.T.: 6.341 min
Delta R.T.: -0.004 min
Response: 277397
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



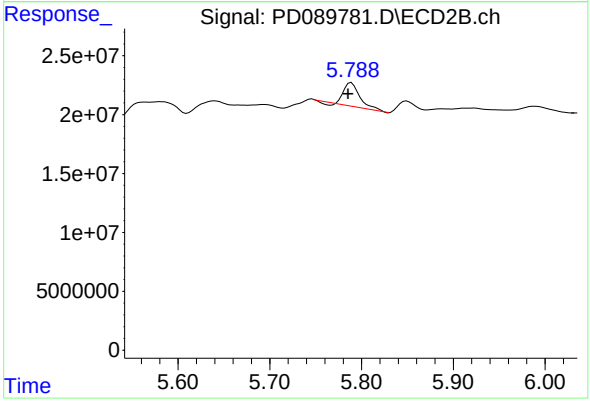
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.006 min
Response: 28700437
Conc: 1.33 ng/ml



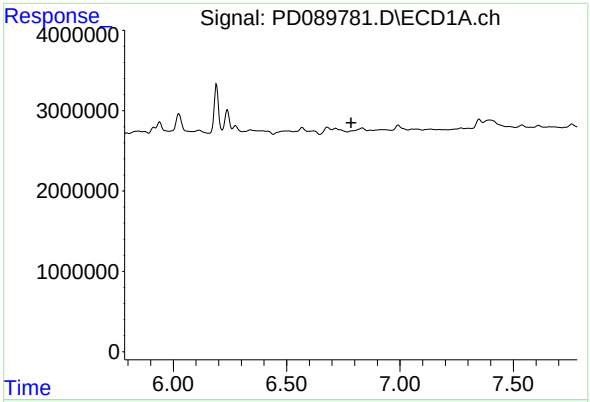
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.004 min
Response: 685132
Conc: 0.19 ng/ml



#14 Endrin

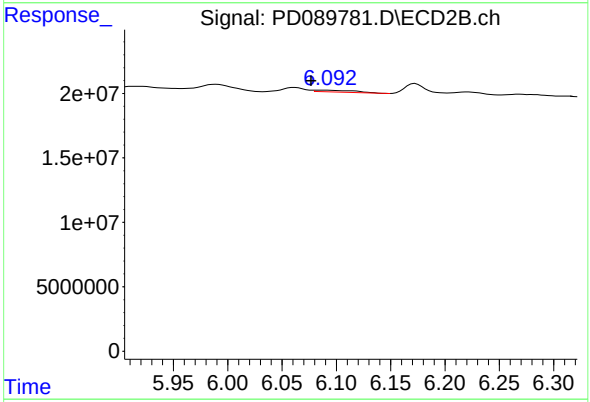
R.T.: 5.789 min
Delta R.T.: 0.004 min
Response: 24187391
Conc: 1.21 ng/ml



#15 Endosulfan II

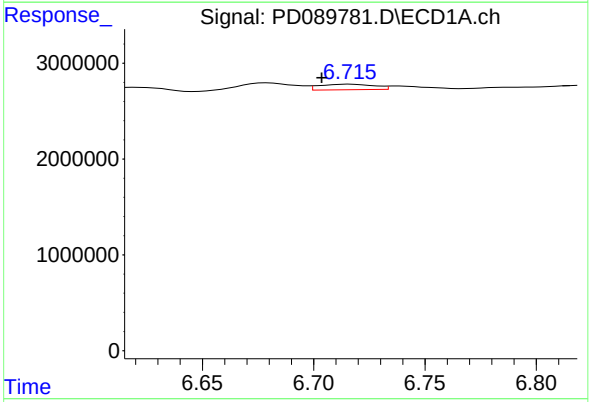
R.T.: 0.000 min
Exp R.T. : 6.784 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



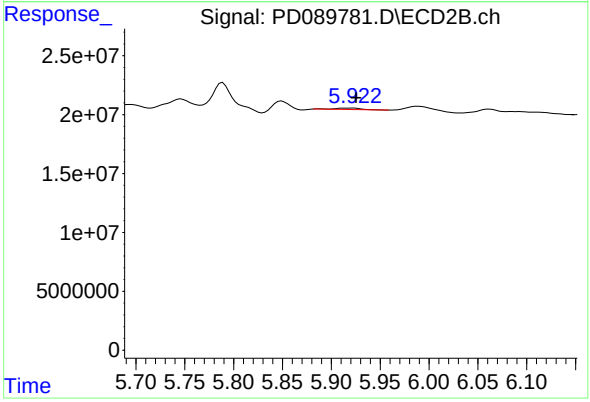
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.008 min
Response: 3510610
Conc: 0.19 ng/ml



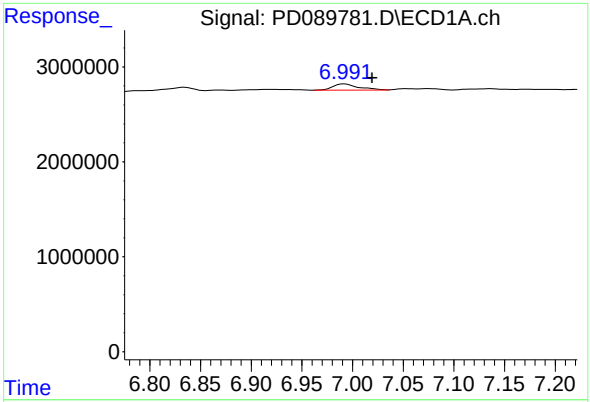
#16 4,4'-DDD

R.T.: 6.716 min
Delta R.T.: 0.013 min
Response: 984760
Conc: 0.33 ng/ml



#16 4,4'-DDD

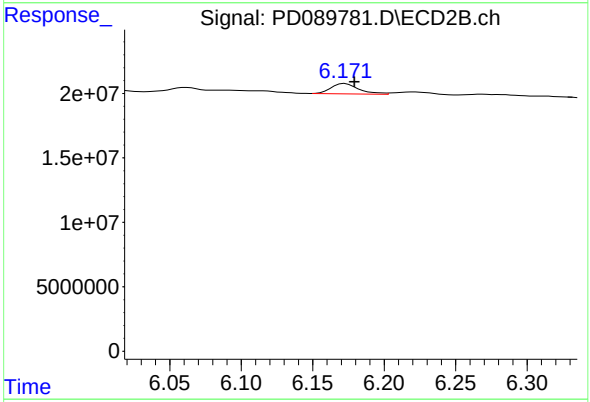
R.T.: 5.922 min
Delta R.T.: -0.003 min
Response: 2180045
Conc: 0.12 ng/ml



#17 4,4'-DDT

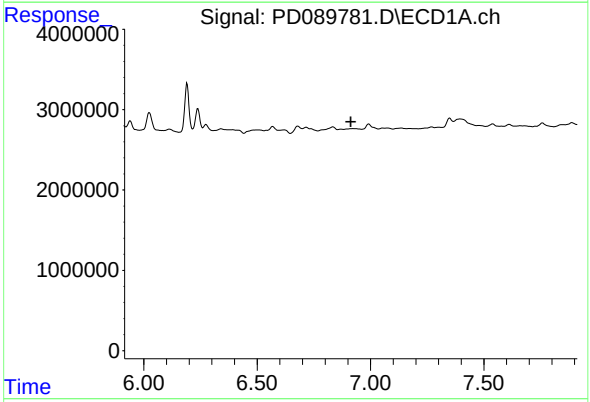
R.T.: 6.992 min
Delta R.T.: -0.027 min
Response: 1161583
Conc: 0.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



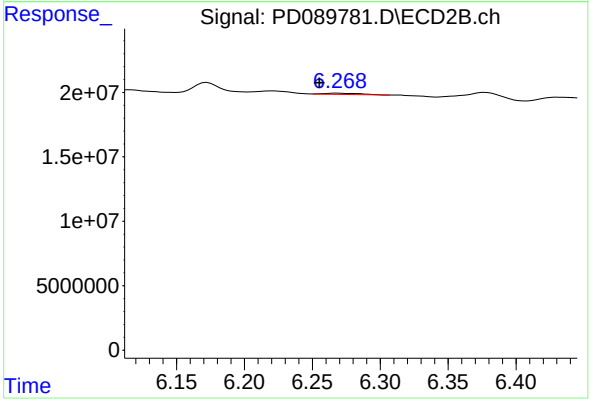
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.007 min
Response: 10795816
Conc: 0.59 ng/ml



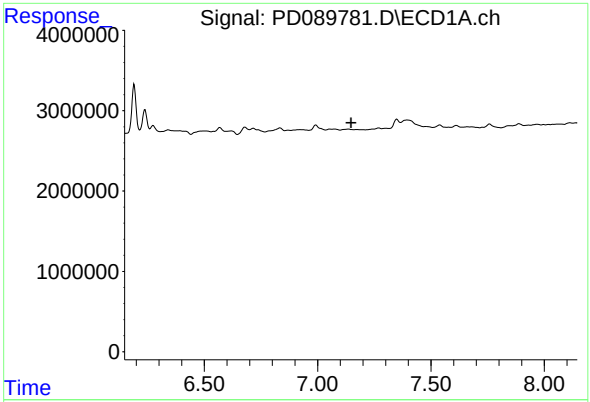
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.913 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

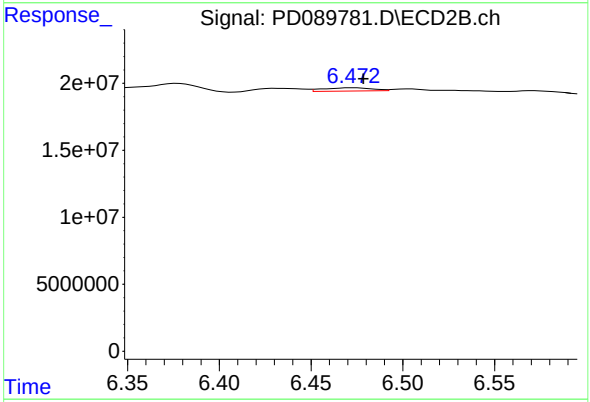
R.T.: 6.268 min
Delta R.T.: 0.013 min
Response: 1465327
Conc: 0.11 ng/ml



#19 Endosulfan Sulfate

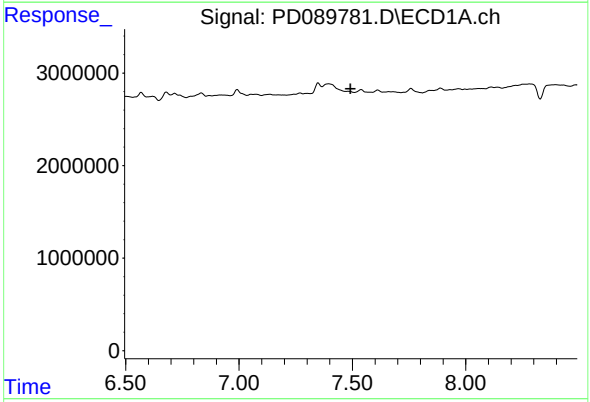
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



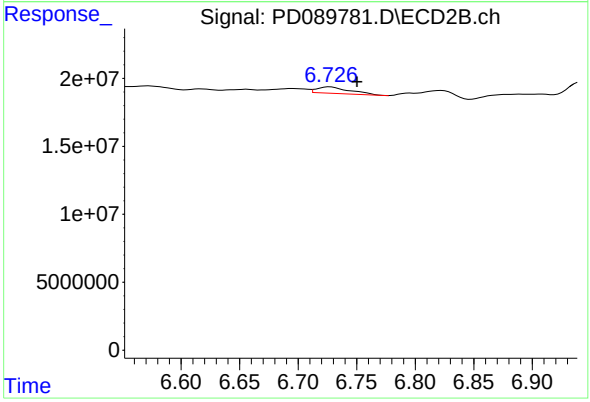
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.005 min
Response: 4493868
Conc: 0.24 ng/ml



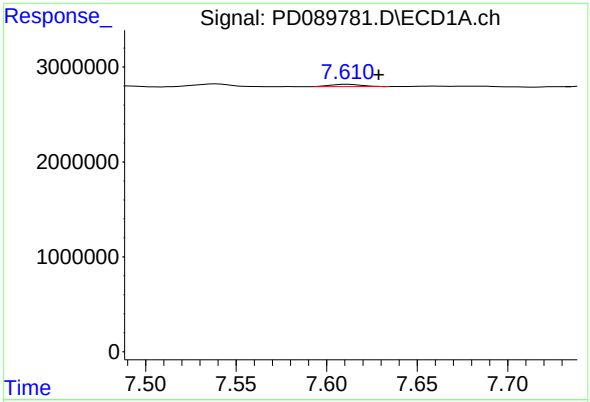
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.



#20 Methoxychlor

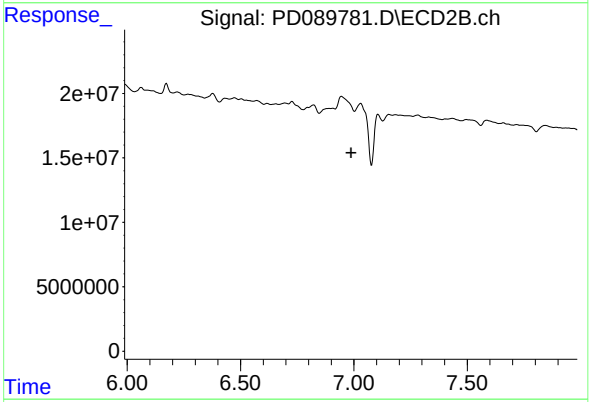
R.T.: 6.727 min
Delta R.T.: -0.023 min
Response: 9305589
Conc: 0.95 ng/ml



#21 Endrin ketone

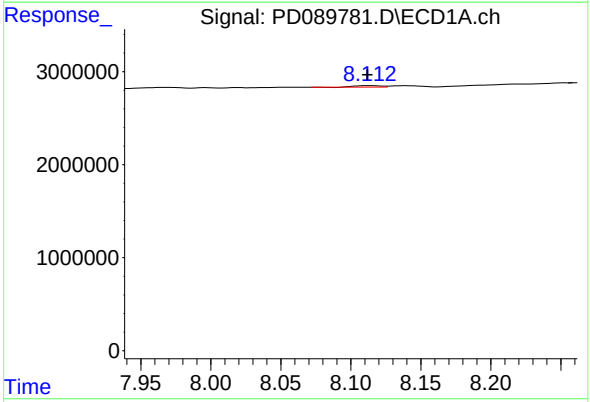
R.T.: 7.612 min
Delta R.T.: -0.017 min
Response: 286640
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



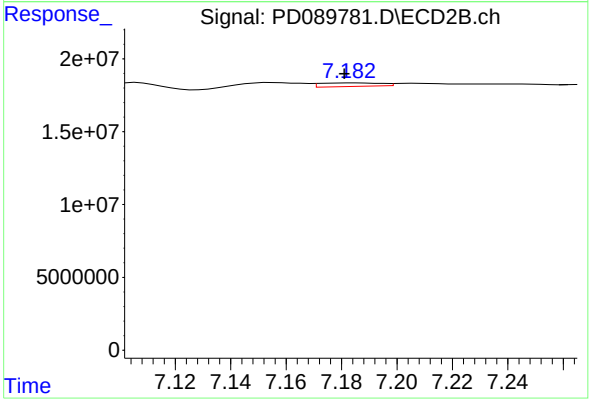
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.988 min
Response: 0
Conc: N.D.



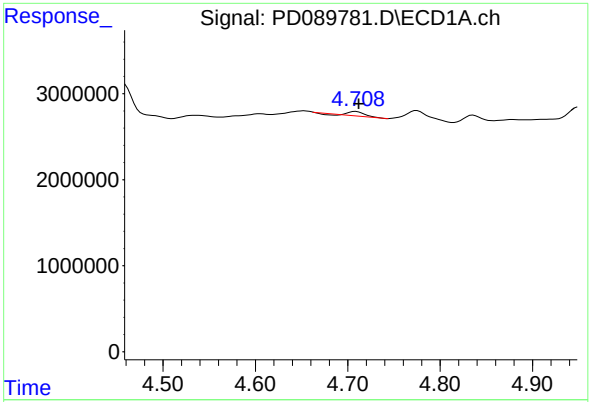
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.001 min
Response: 181777
Conc: 0.07 ng/ml



#22 Mirex

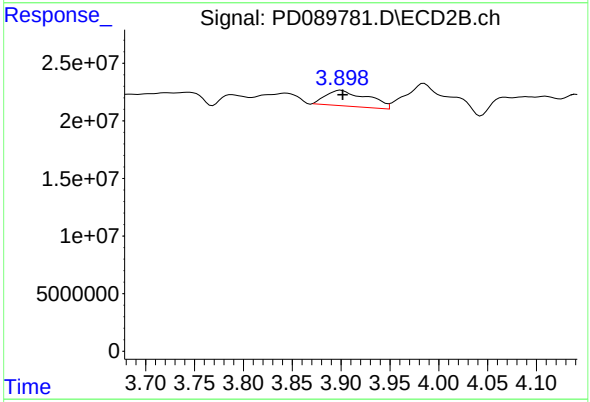
R.T.: 7.184 min
Delta R.T.: 0.003 min
Response: 3683029
Conc: 0.24 ng/ml



#23 Chlordane-1

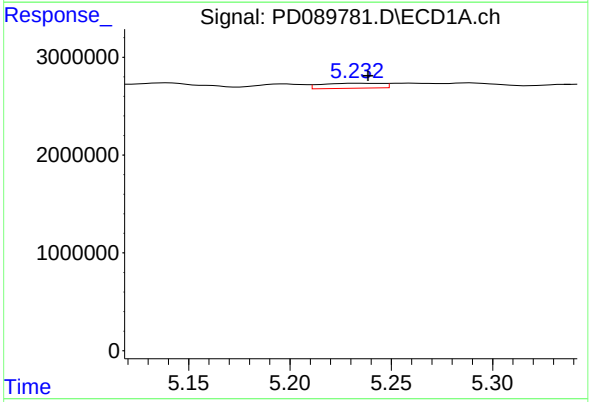
R.T.: 4.709 min
Delta R.T.: -0.003 min
Response: 514426
Conc: 3.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



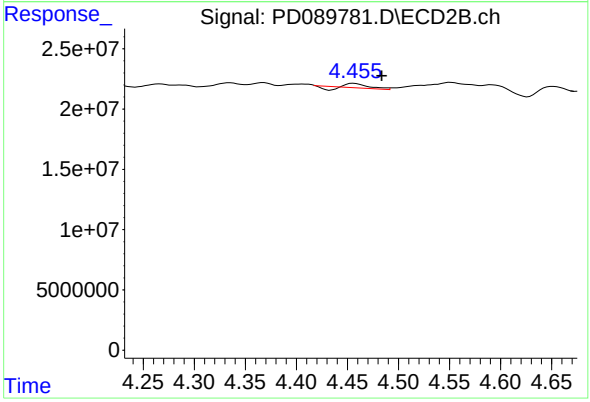
#23 Chlordane-1

R.T.: 3.900 min
Delta R.T.: -0.002 min
Response: 40642405
Conc: 55.57 ng/ml



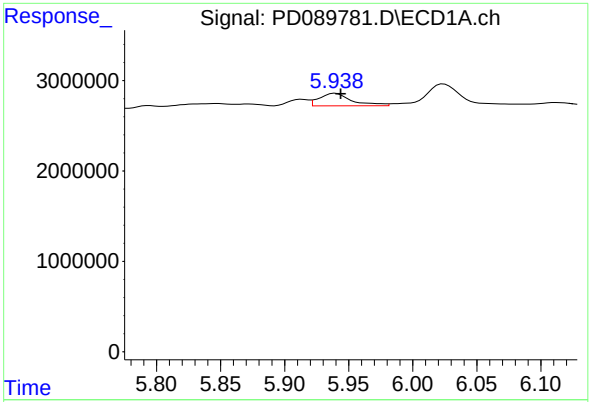
#24 Chlordane-2

R.T.: 5.234 min
Delta R.T.: -0.004 min
Response: 1072349
Conc: 6.31 ng/ml



#24 Chlordane-2

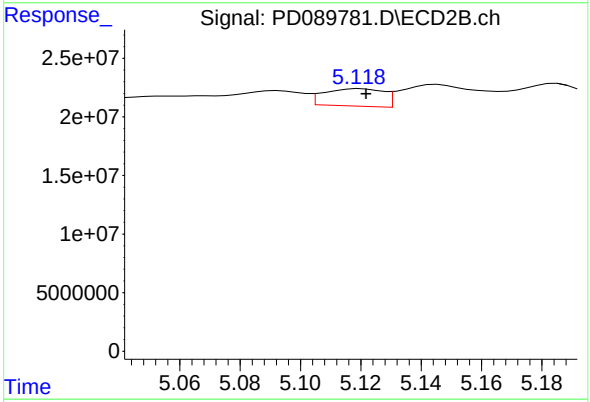
R.T.: 4.456 min
Delta R.T.: -0.028 min
Response: 3722674
Conc: 4.87 ng/ml



#25 Chlordane-3

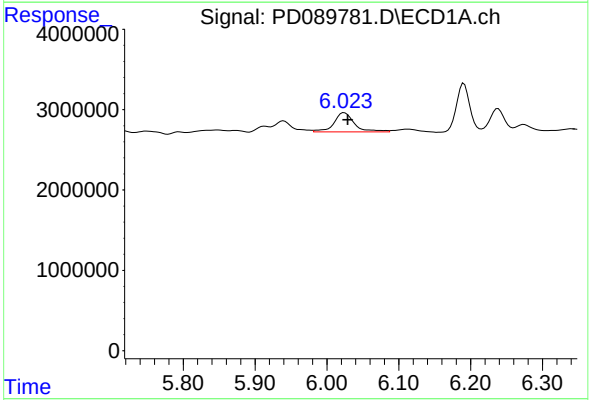
R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 2444555
Conc: 3.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



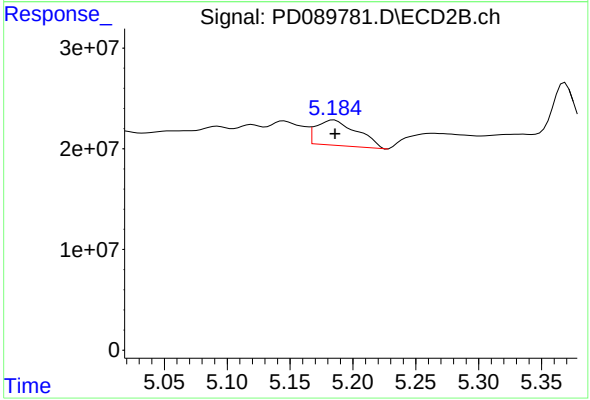
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 20233862
Conc: 8.74 ng/ml



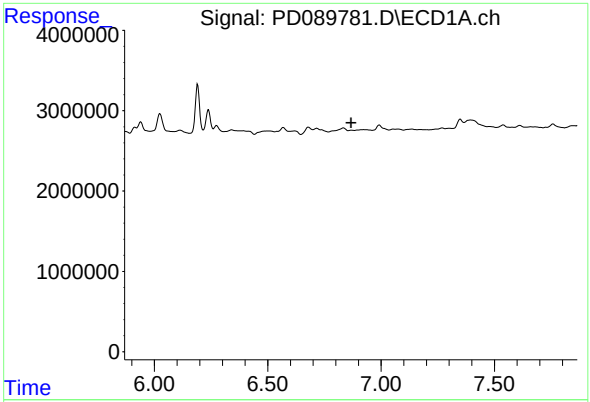
#26 Chlordane-4

R.T.: 6.024 min
Delta R.T.: -0.005 min
Response: 4749753
Conc: 5.67 ng/ml



#26 Chlordane-4

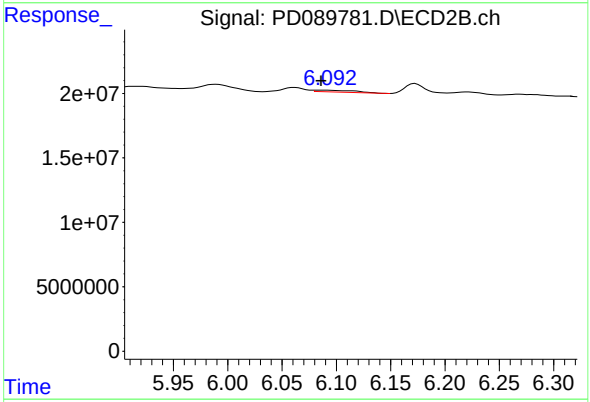
R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 57369324
Conc: 28.84 ng/ml



#27 Chlordane-5

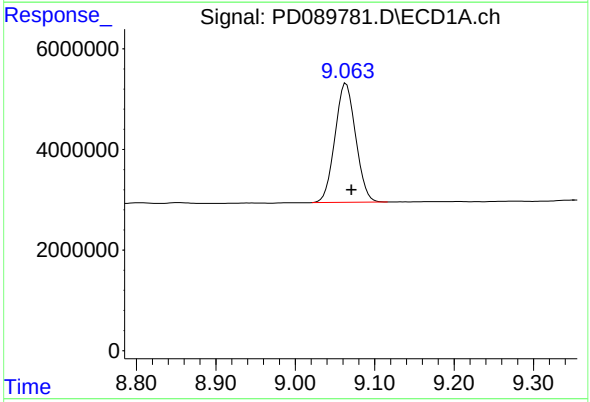
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



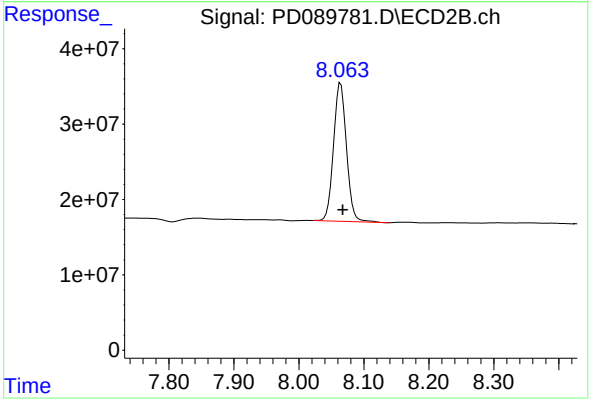
#27 Chlordane-5

R.T.: 6.084 min
Delta R.T.: -0.001 min
Response: 3510610
Conc: 3.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.007 min
Response: 42905294
Conc: 11.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 254048608
Conc: 12.65 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:04
Operator : AR\AJ
Sample : Q2747-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	22635025	174.9E6	9.177	11.040	
28)	SA Decachlor...	9.064	8.064	49495742	299.7E6	13.319	14.925	
	Target Compounds							
2)	A alpha-BHC	0.000	3.388	0	5516256	N.D.	0.227	#
3)	MA gamma-BHC...	0.000	3.733	0	15692496	N.D.	0.697	#
4)	MA Heptachlor	4.949f	4.085	5922623	21003094	1.231	0.905	#
5)	MB Aldrin	5.294f	4.367	307816	1064350	0.067	0.048	#
7)	B delta-BHC	4.774	4.268	5742698	6120092	1.252	0.269	#
8)	B Heptachlo...	5.676	4.866	3617605	8843713	0.865	0.430	#
9)	A Endosulfan I	0.000	5.269f	0	8663080	N.D.	0.443	#
10)	B gamma-Chl...	5.941	5.120	16254998	69562844	3.890	3.213	
11)	B alpha-Chl...	6.025	5.185	34584174	167.6E6	8.226	8.049	
12)	B 4,4'-DDE	6.191	5.369	25658705	201.3E6	6.879	9.524	#
13)	MA Dieldrin	6.341	5.503	610111	38551188	0.144	1.782	#
14)	MA Endrin	6.569	5.789	1797336	31951431	0.502	1.604	#
15)	B Endosulfa...	6.793	6.084	164488	14040828	0.045	0.747	#
16)	A 4,4'-DDD	6.700	5.924	12969094	45922893	4.331	2.604	#
17)	MA 4,4'-DDT	7.015	6.177	71570600	515.8E6	21.299	28.076	#
18)	B Endrin al...	6.926	6.273f	533804	3873779	0.214	0.300	#
19)	B Endosulfa...	7.137	6.474	540951	6242655	0.156	0.336	#
20)	A Methoxychlor	0.000	6.730f	0	19895967	N.D.	2.031	#
21)	B Endrin ke...	7.612f	0.000	1277915	0	0.344	N.D.	#
22)	Mirex	8.113	7.154f	171412	9626924	0.061	0.632	#
23)	Chlordane-1	4.709	3.900	2309465	38186266	13.866	52.210	#
24)	Chlordane-2	5.232	4.487	4636617	31943081	27.287	41.791	#
25)	Chlordane-3	5.941	5.120	16254998	69562844	23.701	30.058	#
26)	Chlordane-4	6.025	5.185	34584174	167.6E6	41.313	84.235	#
27)	Chlordane-5	6.866	6.084	1592708	14040828	11.041	15.520	#

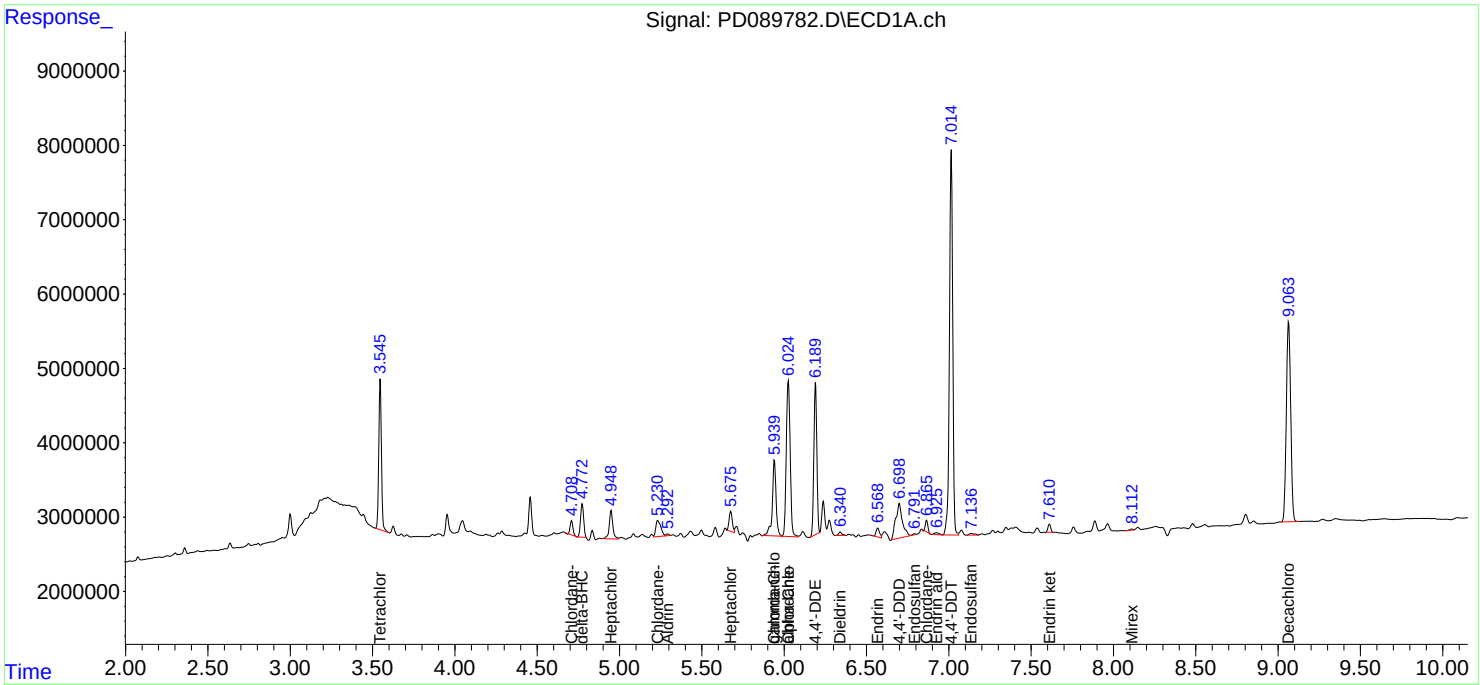
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

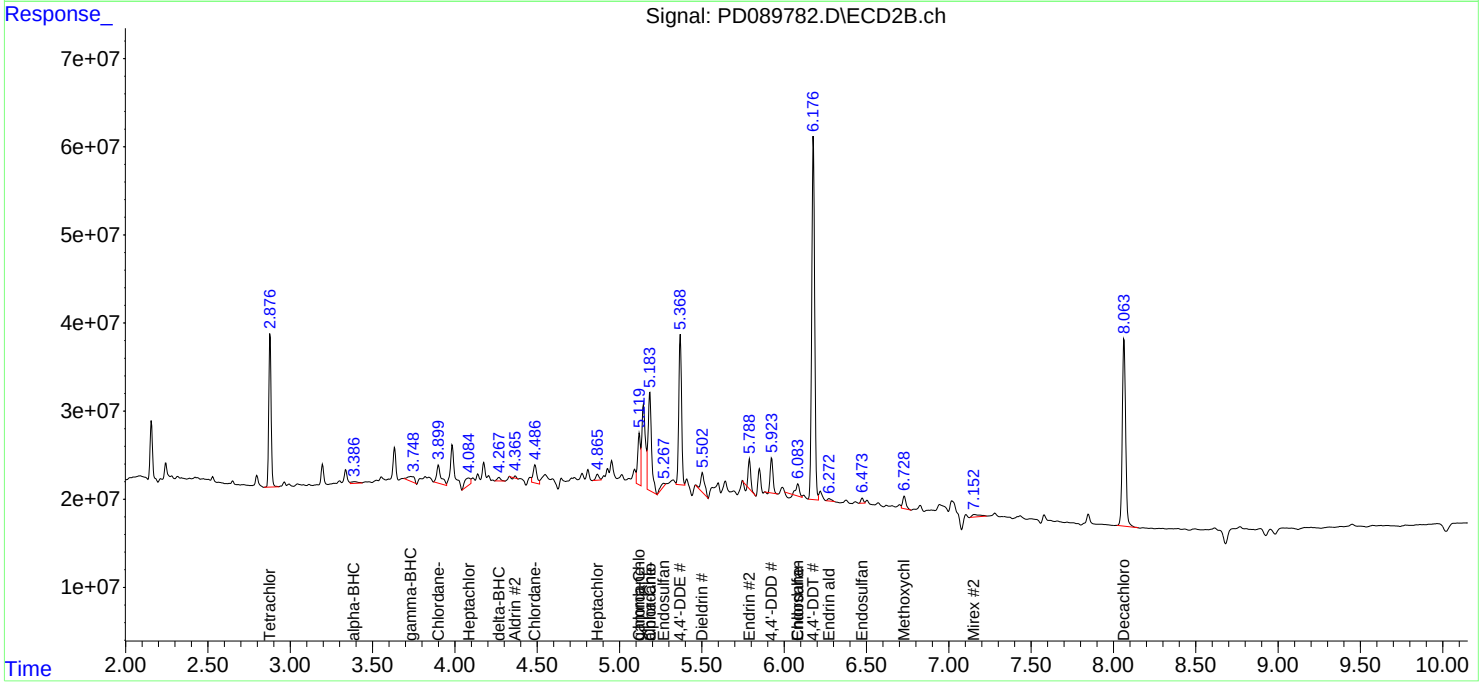
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:04
Operator : AR\AJ
Sample : Q2747-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

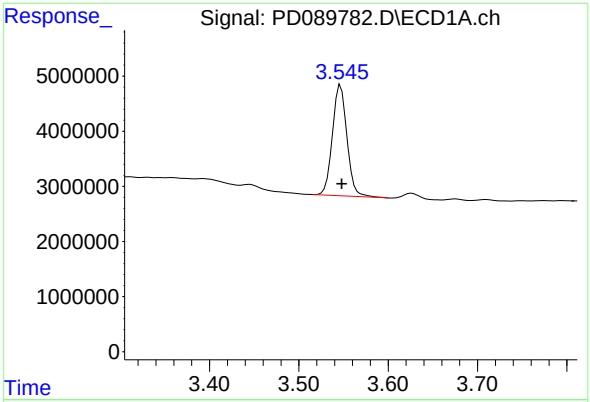
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



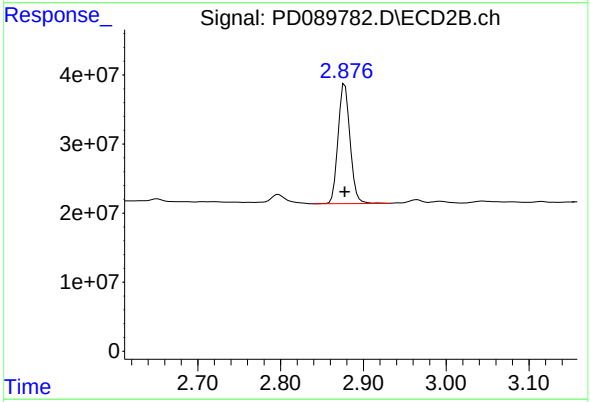




#1 Tetrachloro-m-xylene

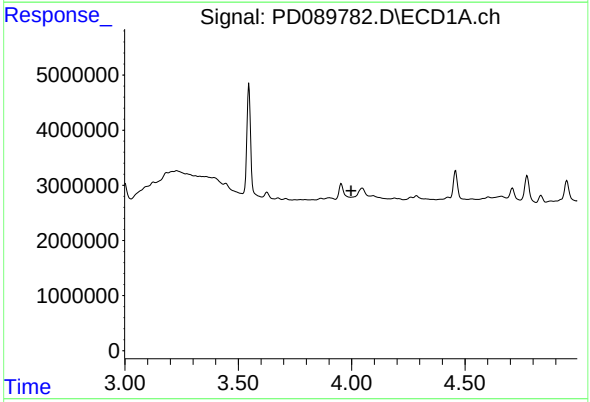
R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 22635025
Conc: 9.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



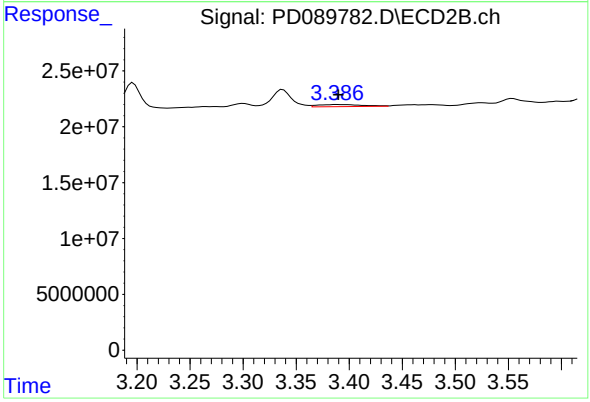
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 174856390
Conc: 11.04 ng/ml



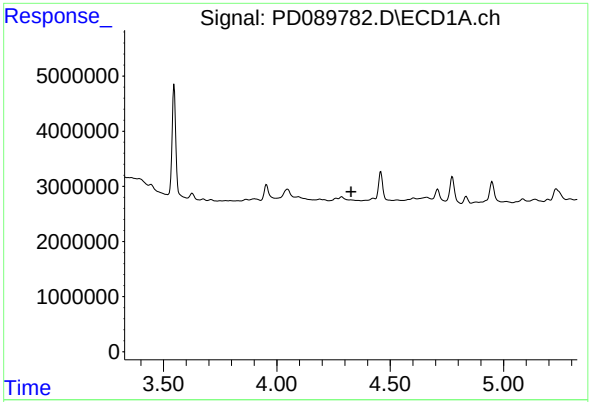
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

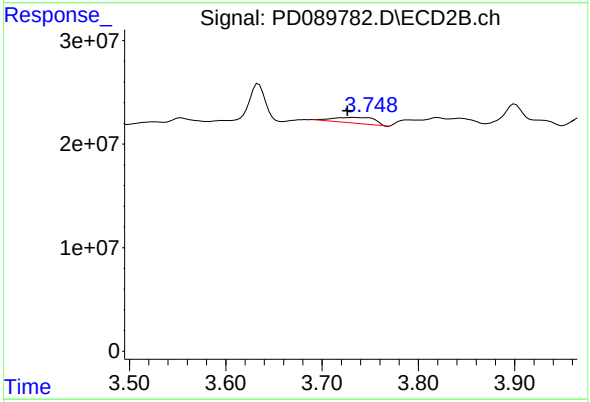
R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 5516256
Conc: 0.23 ng/ml



#3 gamma-BHC (Lindane)

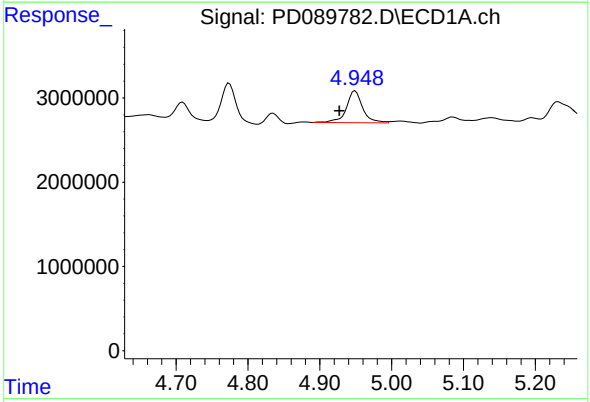
R.T.: 0.000 min
Exp R.T. : 4.328 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



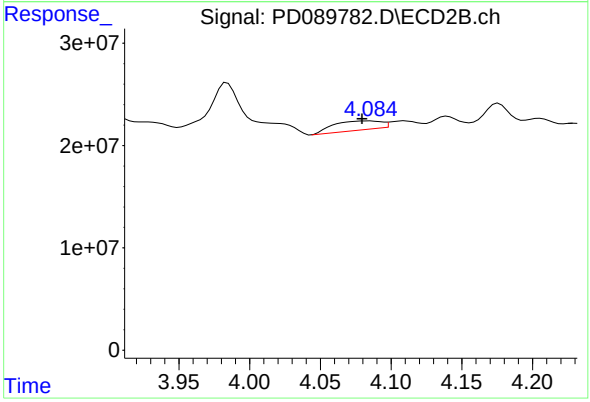
#3 gamma-BHC (Lindane)

R.T.: 3.733 min
Delta R.T.: 0.007 min
Response: 15692496
Conc: 0.70 ng/ml



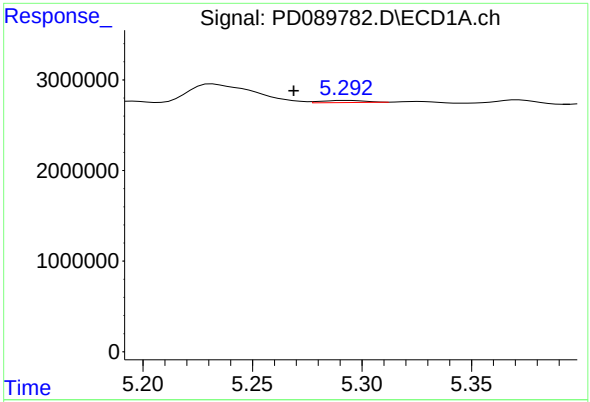
#4 Heptachlor

R.T.: 4.949 min
Delta R.T.: 0.022 min
Response: 5922623
Conc: 1.23 ng/ml



#4 Heptachlor

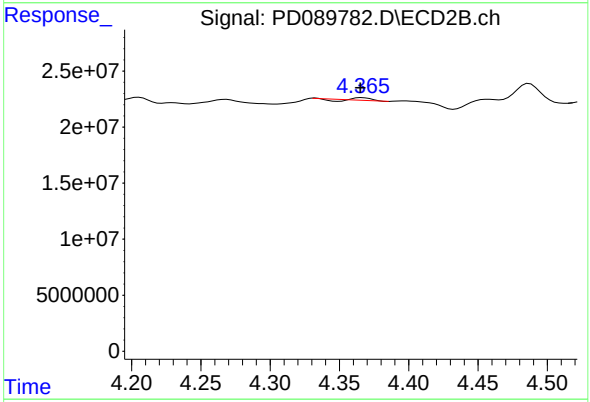
R.T.: 4.085 min
Delta R.T.: 0.005 min
Response: 21003094
Conc: 0.90 ng/ml



#5 Aldrin

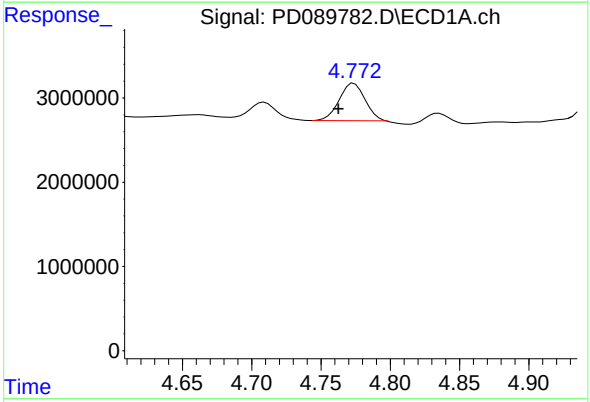
R.T.: 5.294 min
Delta R.T.: 0.025 min
Response: 307816
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



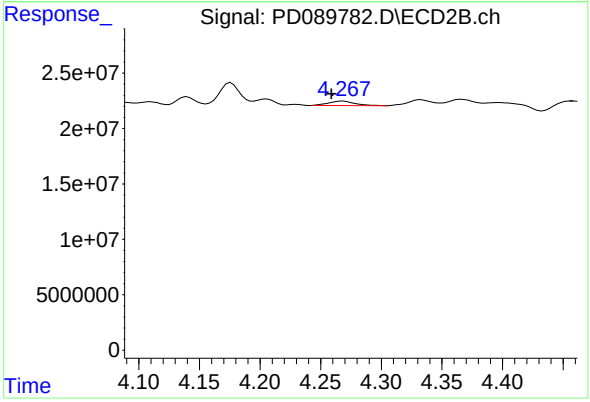
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.001 min
Response: 1064350
Conc: 0.05 ng/ml



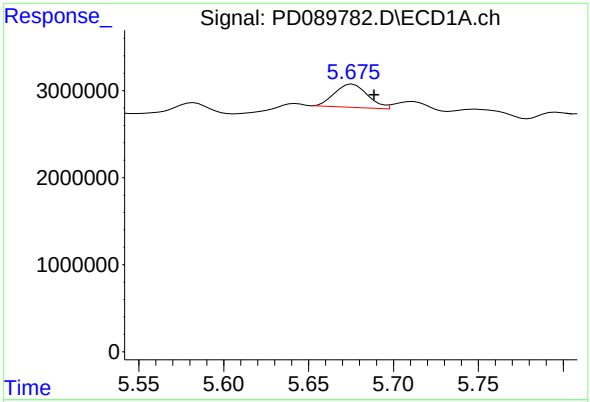
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.011 min
Response: 5742698
Conc: 1.25 ng/ml



#7 delta-BHC

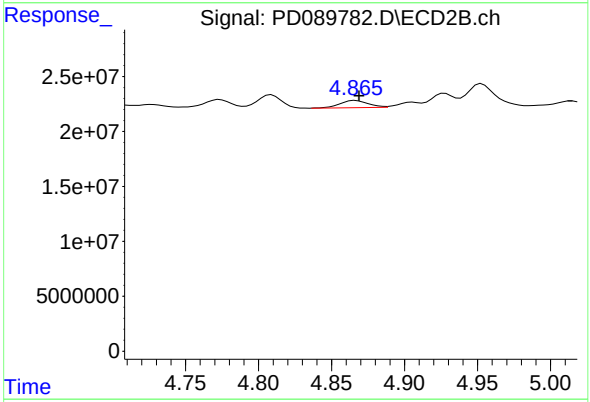
R.T.: 4.268 min
Delta R.T.: 0.010 min
Response: 6120092
Conc: 0.27 ng/ml



#8 Heptachlor epoxide

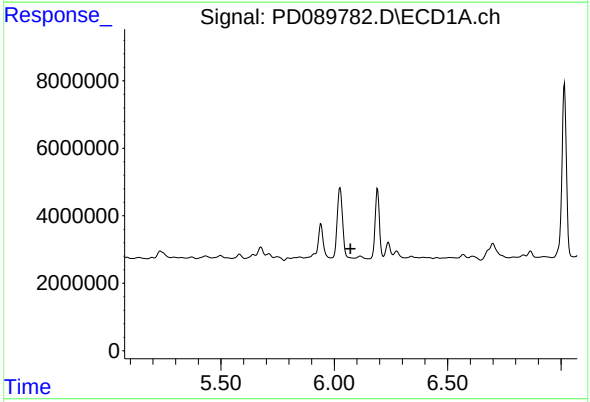
R.T.: 5.676 min
Delta R.T.: -0.013 min
Response: 3617605
Conc: 0.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



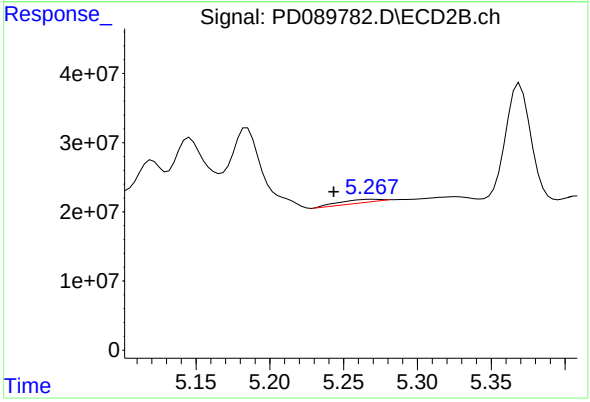
#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: -0.003 min
Response: 8843713
Conc: 0.43 ng/ml



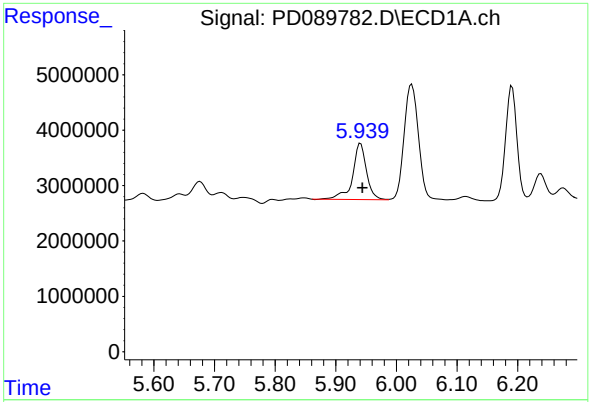
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.



#9 Endosulfan I

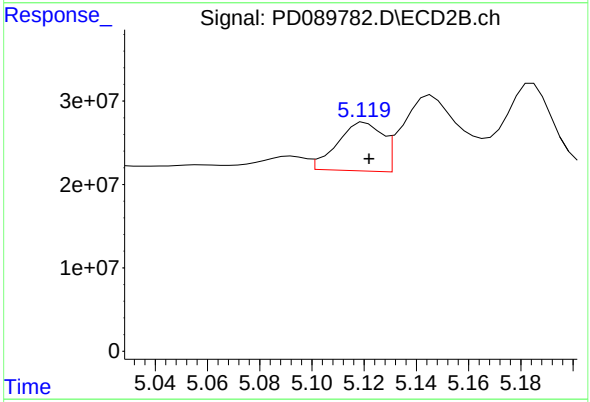
R.T.: 5.269 min
Delta R.T.: 0.026 min
Response: 8663080
Conc: 0.44 ng/ml



#10 gamma-Chlordane

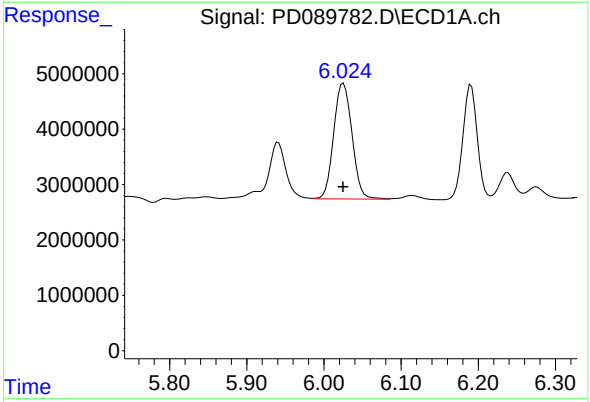
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 16254998
Conc: 3.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



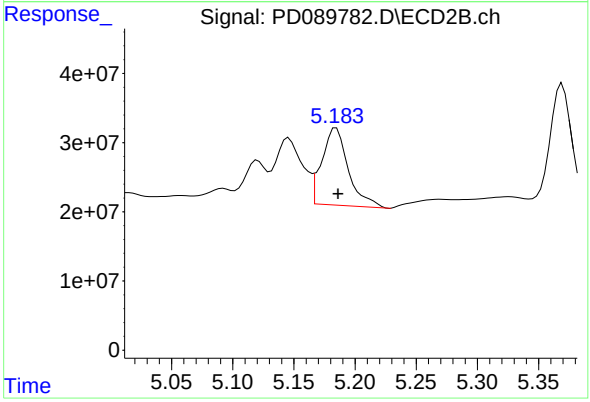
#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.001 min
Response: 69562844
Conc: 3.21 ng/ml



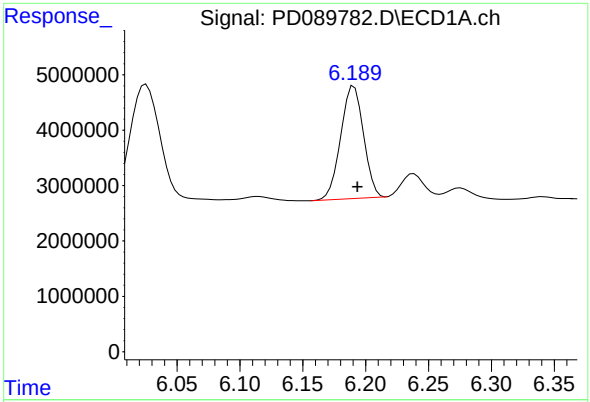
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 34584174
Conc: 8.23 ng/ml



#11 alpha-Chlordane

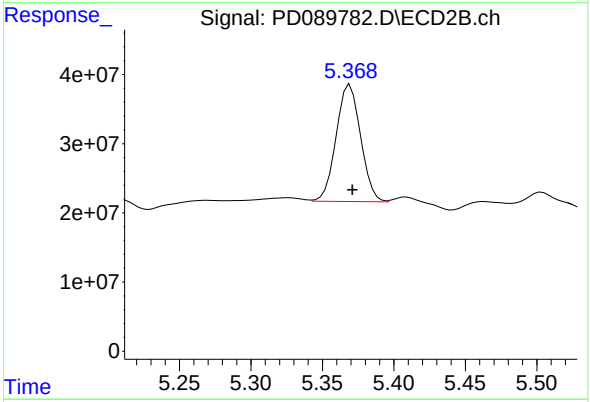
R.T.: 5.185 min
Delta R.T.: -0.002 min
Response: 167589364
Conc: 8.05 ng/ml



#12 4,4'-DDE

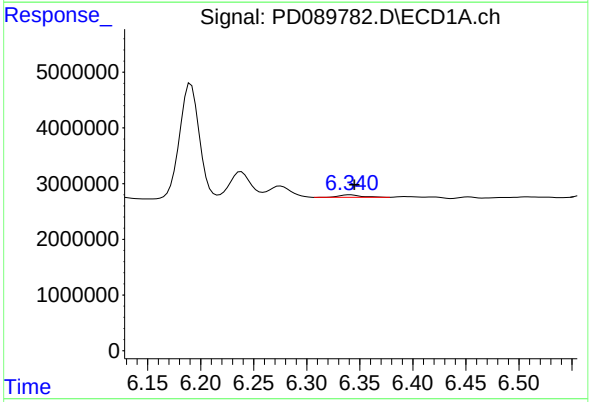
R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 25658705
Conc: 6.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



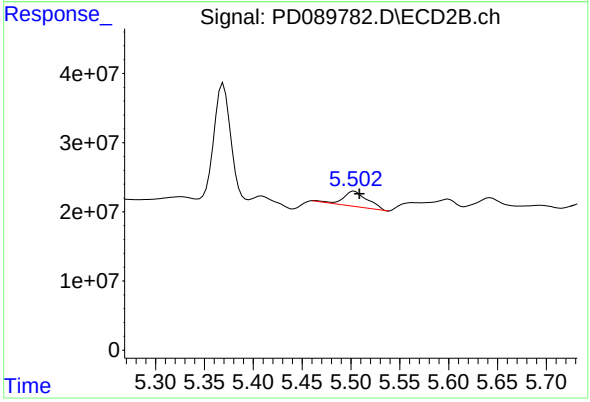
#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 201320220
Conc: 9.52 ng/ml



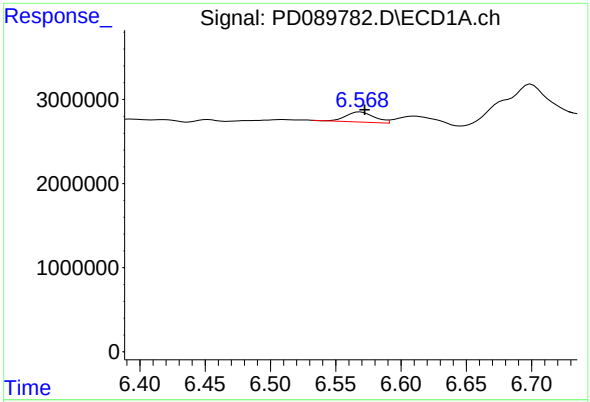
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.004 min
Response: 610111
Conc: 0.14 ng/ml



#13 Dieldrin

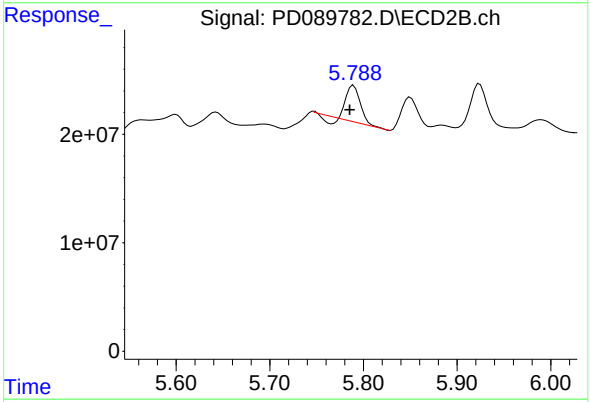
R.T.: 5.503 min
Delta R.T.: -0.005 min
Response: 38551188
Conc: 1.78 ng/ml



#14 Endrin

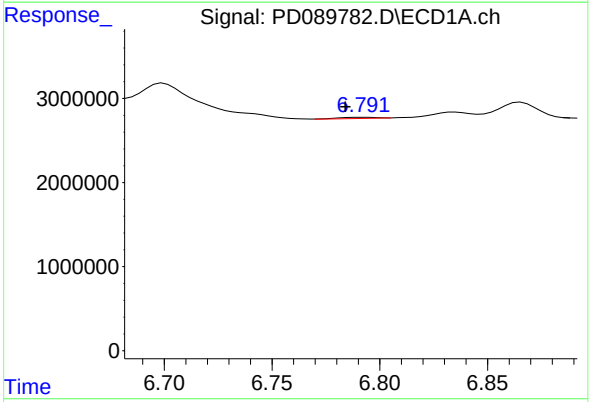
R.T.: 6.569 min
Delta R.T.: -0.003 min
Response: 1797336
Conc: 0.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



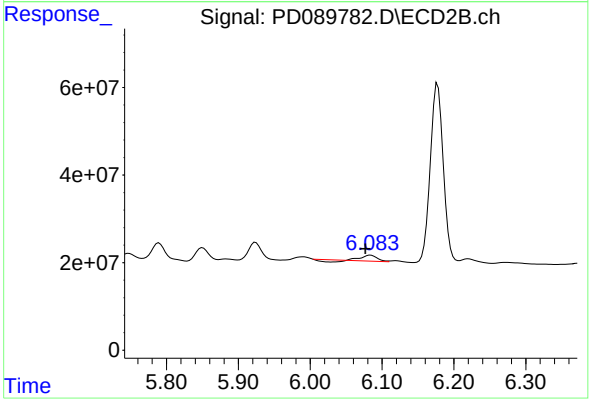
#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.004 min
Response: 31951431
Conc: 1.60 ng/ml



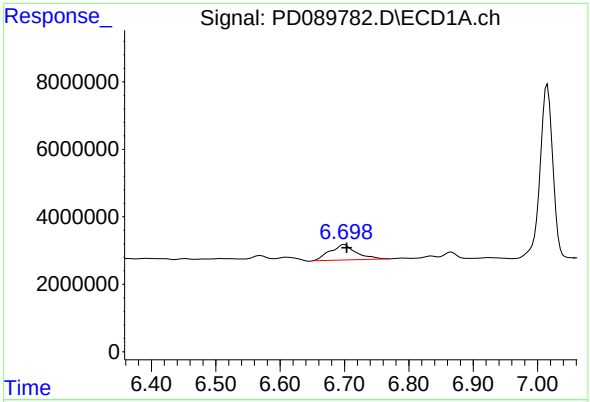
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.009 min
Response: 164488
Conc: 0.04 ng/ml



#15 Endosulfan II

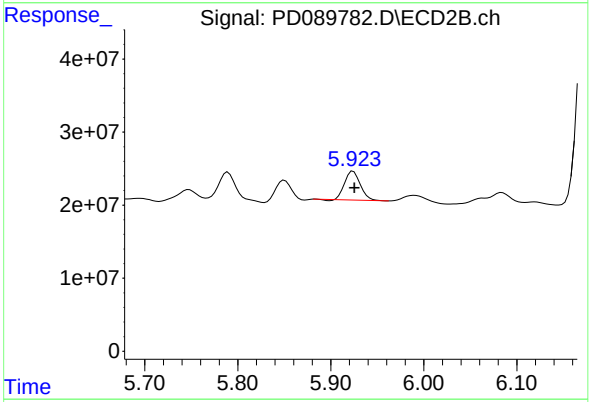
R.T.: 6.084 min
Delta R.T.: 0.007 min
Response: 14040828
Conc: 0.75 ng/ml



#16 4,4'-DDD

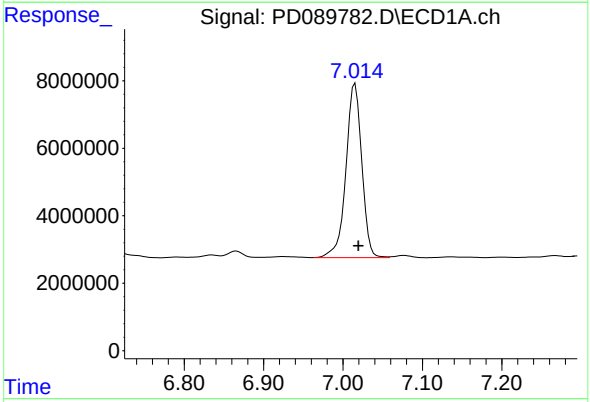
R.T.: 6.700 min
Delta R.T.: -0.004 min
Response: 12969094
Conc: 4.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



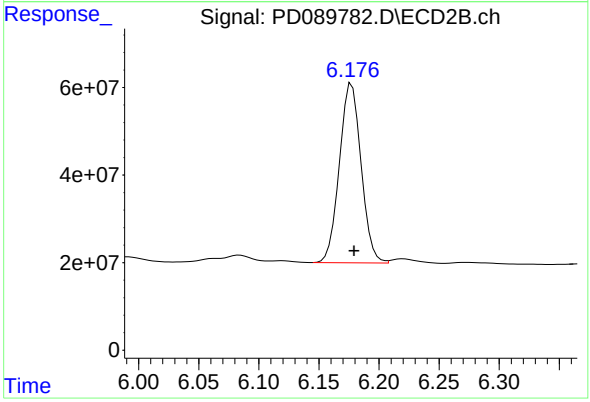
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 45922893
Conc: 2.60 ng/ml



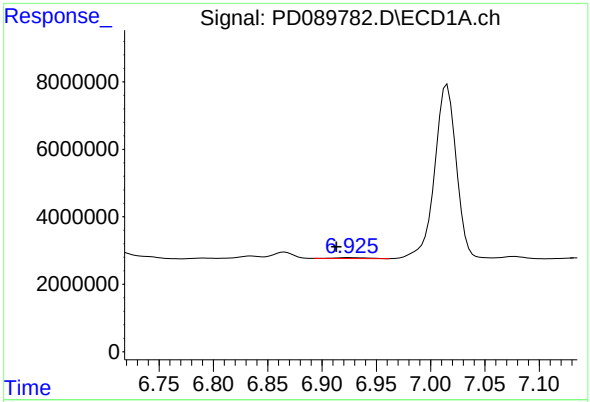
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 71570600
Conc: 21.30 ng/ml



#17 4,4'-DDT

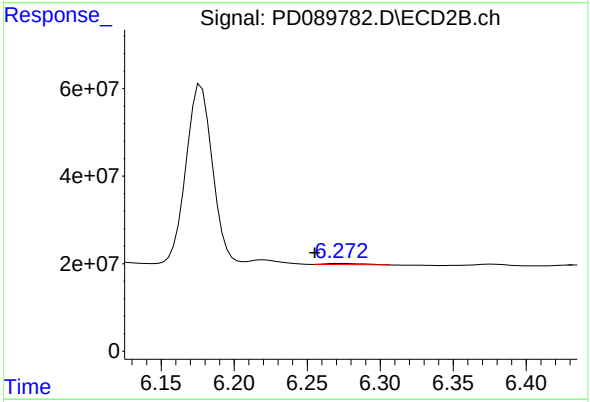
R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 515823755
Conc: 28.08 ng/ml



#18 Endrin aldehyde

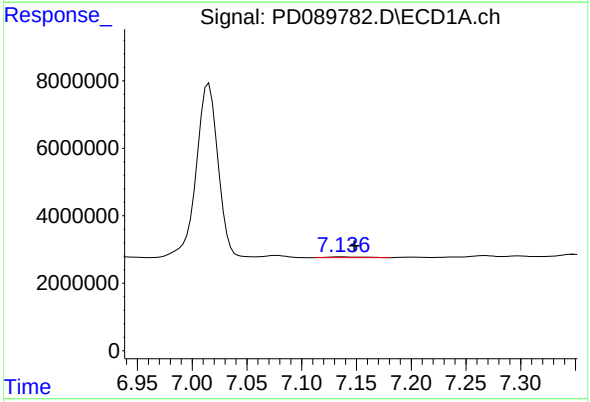
R.T.: 6.926 min
Delta R.T.: 0.012 min
Response: 533804
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



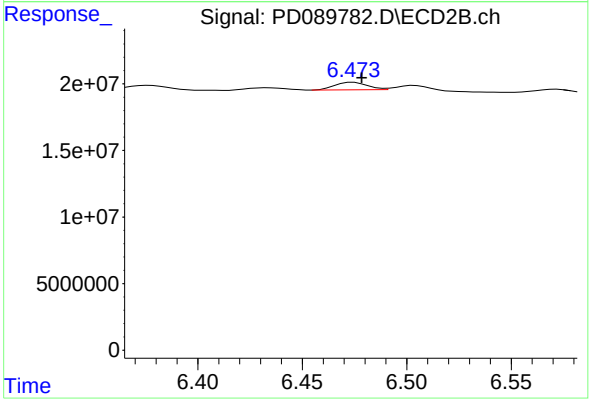
#18 Endrin aldehyde

R.T.: 6.273 min
Delta R.T.: 0.017 min
Response: 3873779
Conc: 0.30 ng/ml



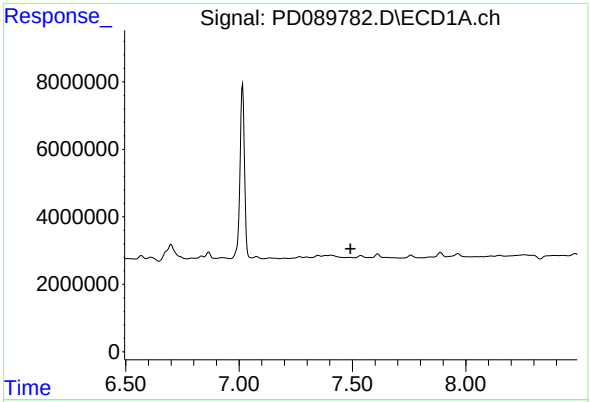
#19 Endosulfan Sulfate

R.T.: 7.137 min
Delta R.T.: -0.011 min
Response: 540951
Conc: 0.16 ng/ml



#19 Endosulfan Sulfate

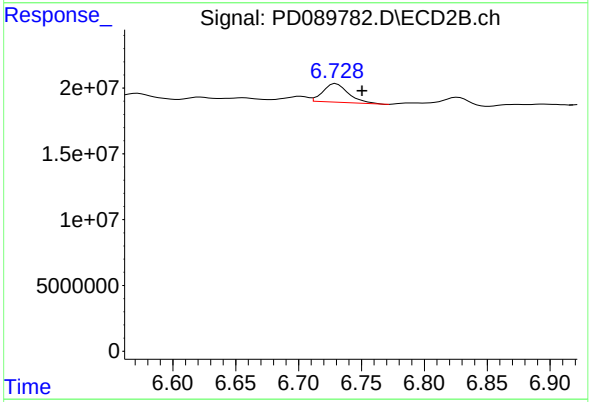
R.T.: 6.474 min
Delta R.T.: -0.004 min
Response: 6242655
Conc: 0.34 ng/ml



#20 Methoxychlor

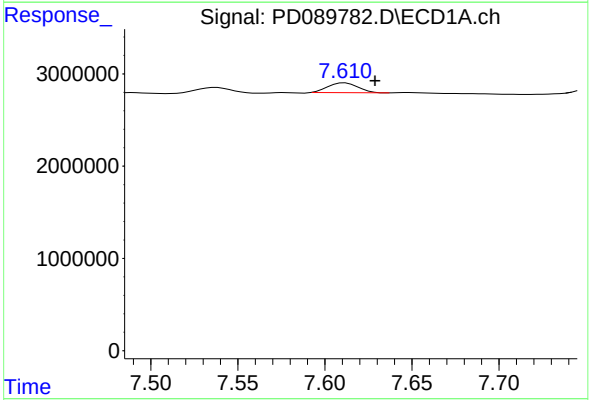
R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



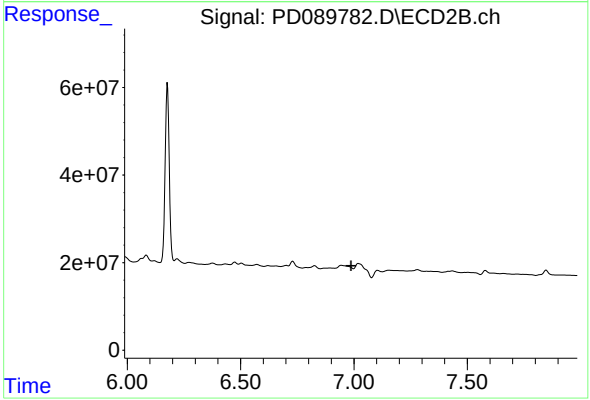
#20 Methoxychlor

R.T.: 6.730 min
Delta R.T.: -0.021 min
Response: 19895967
Conc: 2.03 ng/ml



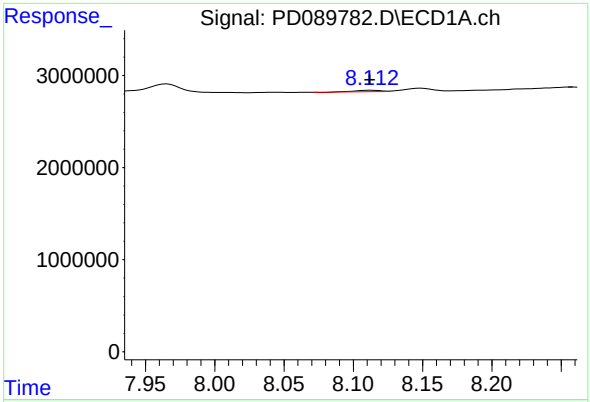
#21 Endrin ketone

R.T.: 7.612 min
Delta R.T.: -0.017 min
Response: 1277915
Conc: 0.34 ng/ml



#21 Endrin ketone

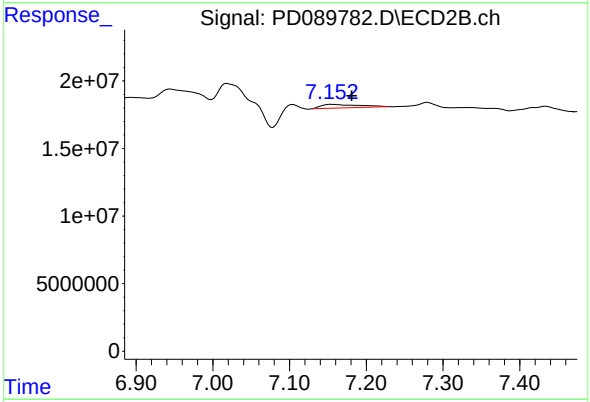
R.T.: 0.000 min
Exp R.T. : 6.988 min
Response: 0
Conc: N.D.



#22 Mirex

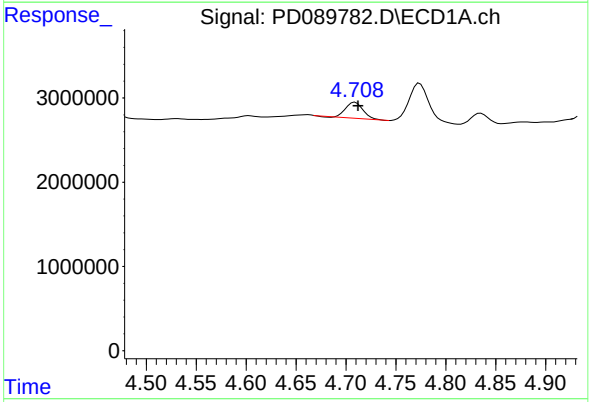
R.T.: 8.113 min
Delta R.T.: 0.001 min
Response: 171412
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



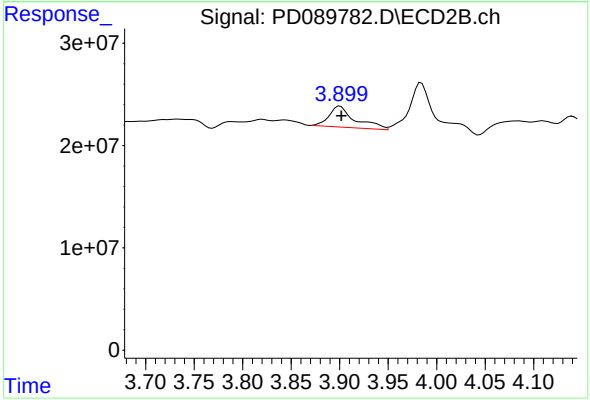
#22 Mirex

R.T.: 7.154 min
Delta R.T.: -0.027 min
Response: 9626924
Conc: 0.63 ng/ml



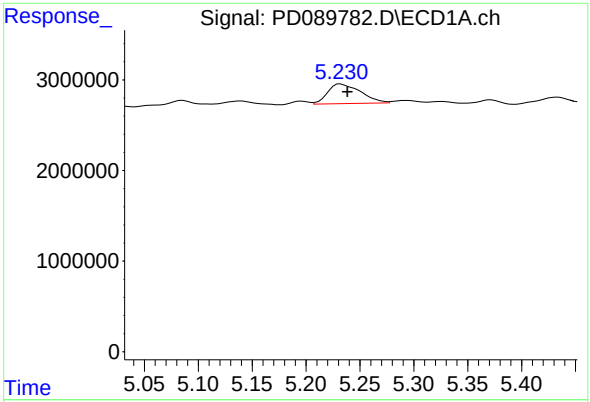
#23 Chlordane-1

R.T.: 4.709 min
Delta R.T.: -0.003 min
Response: 2309465
Conc: 13.87 ng/ml



#23 Chlordane-1

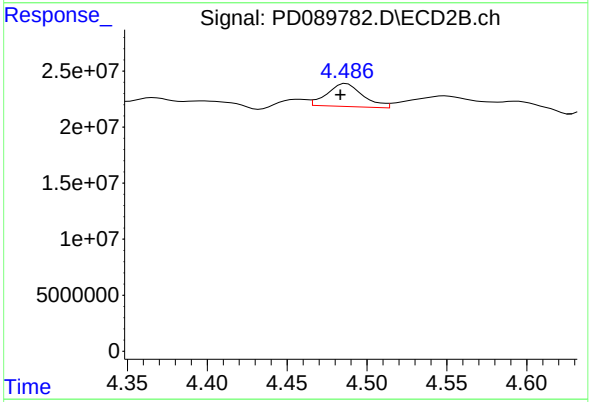
R.T.: 3.900 min
Delta R.T.: -0.001 min
Response: 38186266
Conc: 52.21 ng/ml



#24 Chlordane-2

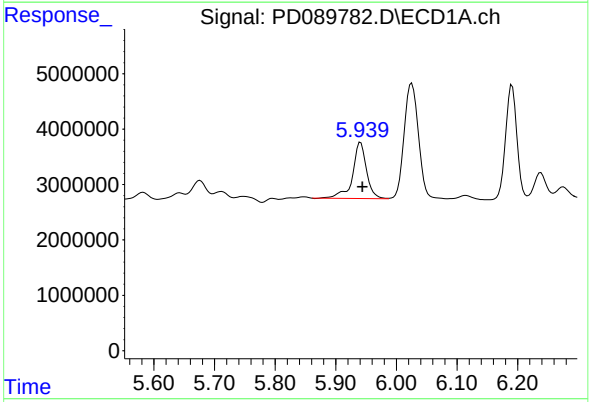
R.T.: 5.232 min
Delta R.T.: -0.007 min
Response: 4636617
Conc: 27.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



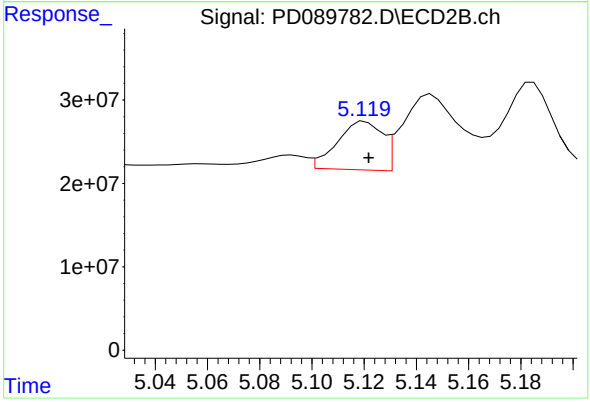
#24 Chlordane-2

R.T.: 4.487 min
Delta R.T.: 0.004 min
Response: 31943081
Conc: 41.79 ng/ml



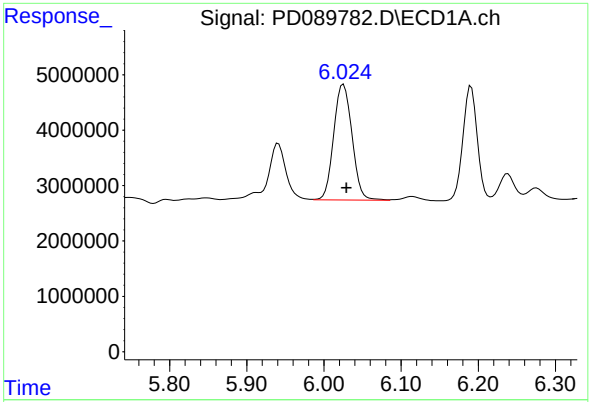
#25 Chlordane-3

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 16254998
Conc: 23.70 ng/ml



#25 Chlordane-3

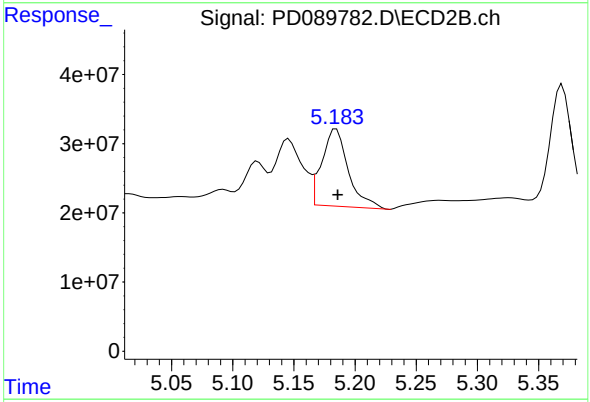
R.T.: 5.120 min
Delta R.T.: -0.001 min
Response: 69562844
Conc: 30.06 ng/ml



#26 Chlordane-4

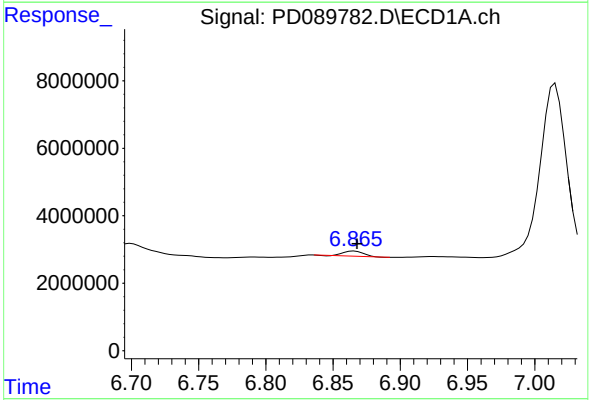
R.T.: 6.025 min
Delta R.T.: -0.004 min
Response: 34584174
Conc: 41.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



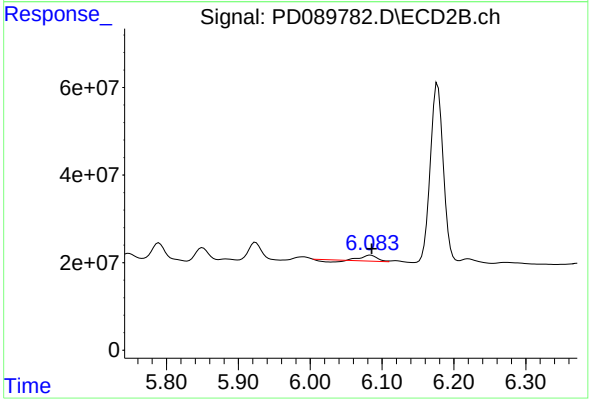
#26 Chlordane-4

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 167589364
Conc: 84.24 ng/ml



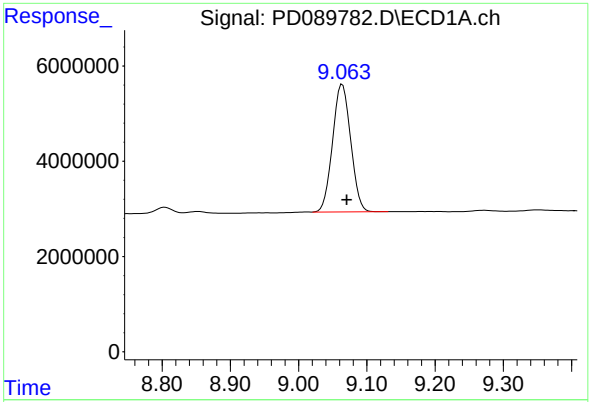
#27 Chlordane-5

R.T.: 6.866 min
Delta R.T.: -0.002 min
Response: 1592708
Conc: 11.04 ng/ml



#27 Chlordane-5

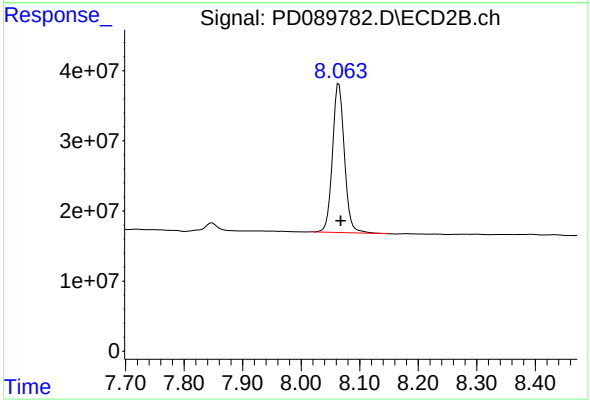
R.T.: 6.084 min
Delta R.T.: -0.002 min
Response: 14040828
Conc: 15.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.007 min
Response: 49495742
Conc: 13.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.003 min
Response: 299658885
Conc: 14.92 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:45
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	128.0E6	932.5E6	51.902	58.880	
28)	SA Decachlor...	9.064	8.064	179.4E6	1060.5E6	48.264	52.821	
	Target Compounds							
2)	A alpha-BHC	3.996	3.389	264.2E6	1440.7E6	53.342	59.277	
3)	MA gamma-BHC...	4.327	3.725	250.5E6	1333.8E6	52.718	59.216	
4)	MA Heptachlor	4.925	4.078	242.0E6	1332.9E6	50.299	57.429	
5)	MB Aldrin	5.266	4.364	235.9E6	1313.8E6	51.674	59.047	
6)	B beta-BHC	4.513	4.021	95712241	563.5E6	51.886	58.404	
7)	B delta-BHC	4.761	4.258	242.6E6	1350.5E6	52.903	59.452	
8)	B Heptachlo...	5.686	4.867	212.4E6	1189.3E6	50.809	57.873	
9)	A Endosulfan I	6.070	5.241	196.3E6	1074.9E6	49.528	54.986	
10)	B gamma-Chl...	5.941	5.120	209.9E6	1270.4E6	50.218	58.669	
11)	B alpha-Chl...	6.022	5.184	209.3E6	1216.8E6	49.773	58.440	
12)	B 4,4'-DDE	6.191	5.369	185.1E6	1237.9E6	49.628	58.563	
13)	MA Dieldrin	6.341	5.507	208.4E6	1254.8E6	49.342	57.990	
14)	MA Endrin	6.569	5.783	168.0E6	1102.3E6	46.963	55.320	
15)	B Endosulfa...	6.781	6.074	179.0E6	1072.0E6	48.794	57.020	
16)	A 4,4'-DDD	6.700	5.923	154.4E6	1018.3E6	51.546	57.753	
17)	MA 4,4'-DDT	7.015	6.177	156.3E6	1048.4E6	46.521	57.062	
18)	B Endrin al...	6.909	6.252	128.6E6	782.1E6	51.544	60.534	
19)	B Endosulfa...	7.144	6.476	163.7E6	1026.5E6	47.171	55.290	
20)	A Methoxychlor	7.487	6.747	79288996	535.0E6	44.346	54.612	
21)	B Endrin ke...	7.624	6.984	178.4E6	1121.9E6	48.044	55.903	
22)	Mirex	8.107	7.178	129.2E6	854.1E6	46.333	56.115	
23)	Chlordane-1	0.000	3.900	0	513245	N.D.	0.702	#
24)	Chlordane-2	5.222	4.502	302894	43394757	1.783	56.773	#
25)	Chlordane-3	5.941	5.120	209.9E6	1270.4E6	306.006	548.926	#
26)	Chlordane-4	6.022	5.184	209.3E6	1216.8E6	249.972	611.614	#
27)	Chlordane-5	6.865	6.074	484809	1072.0E6	3.361	1184.856	#

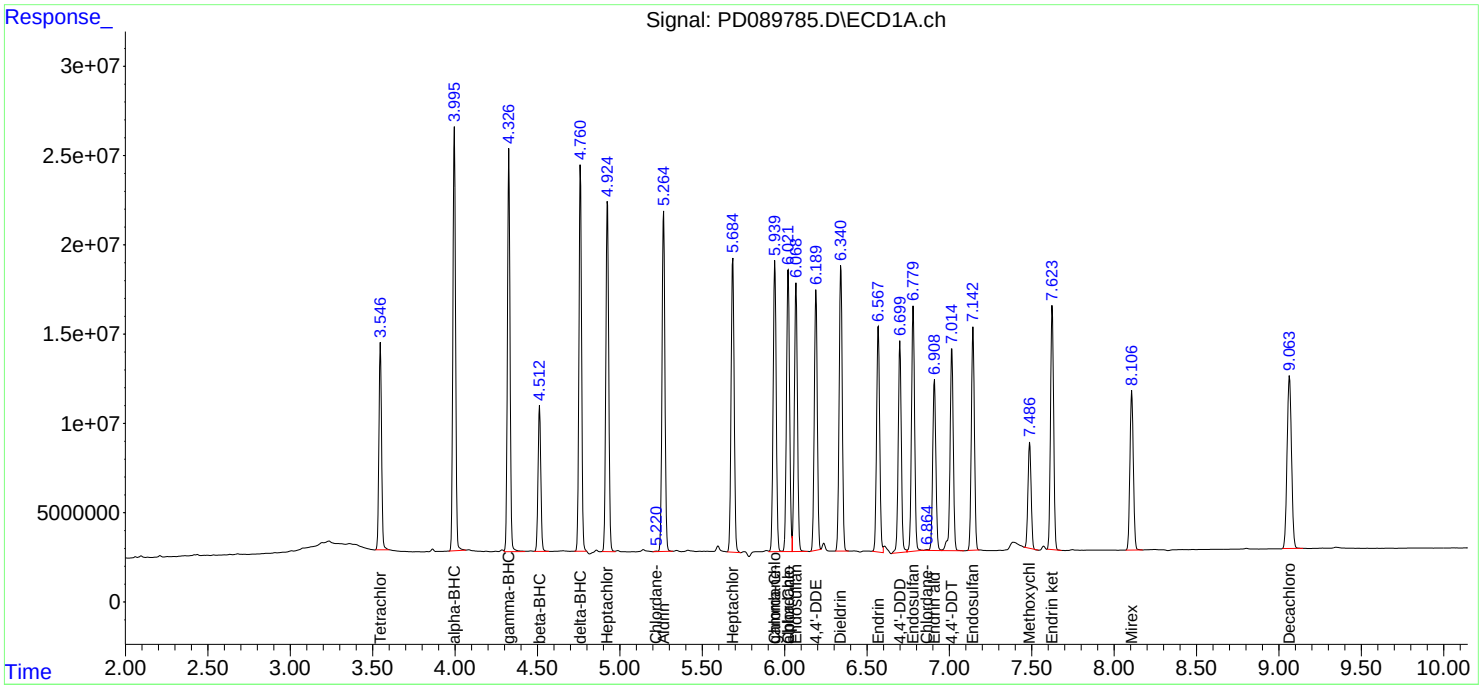
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

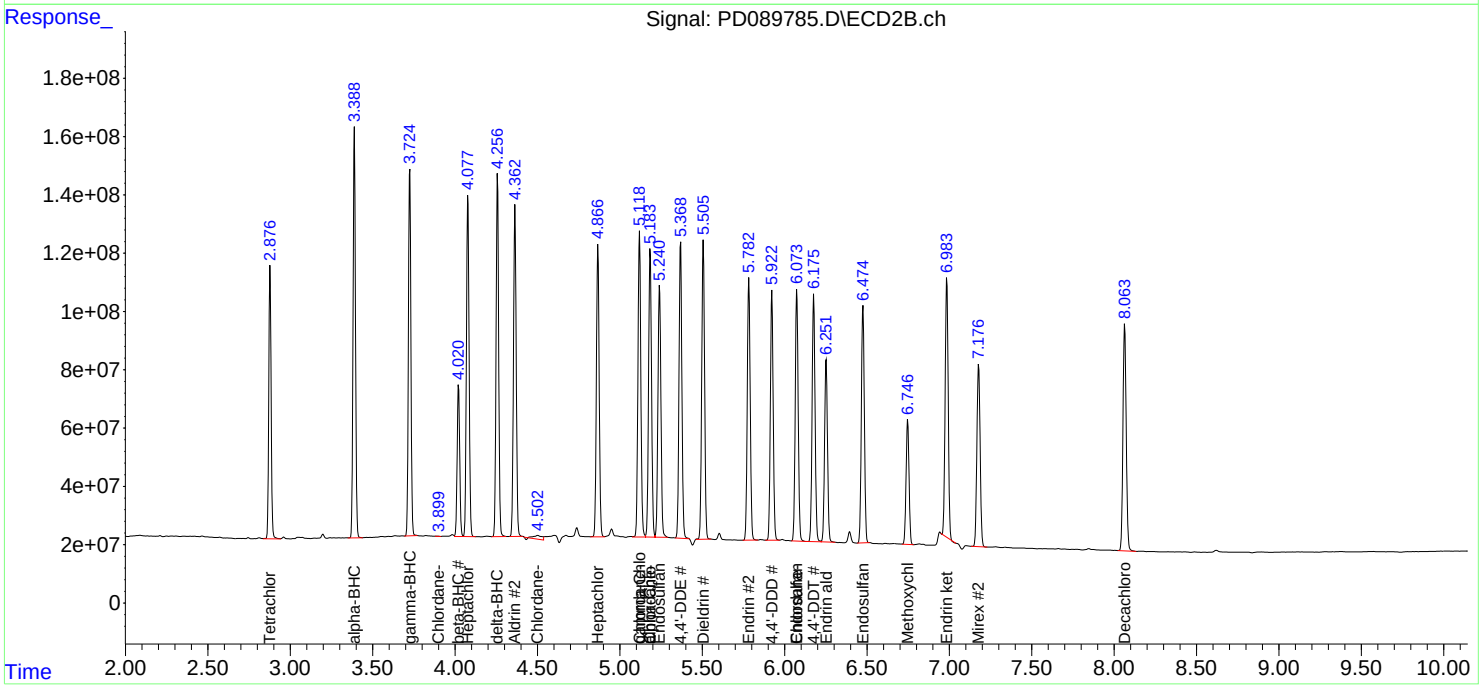
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
Data File : PD089785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 19:45
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

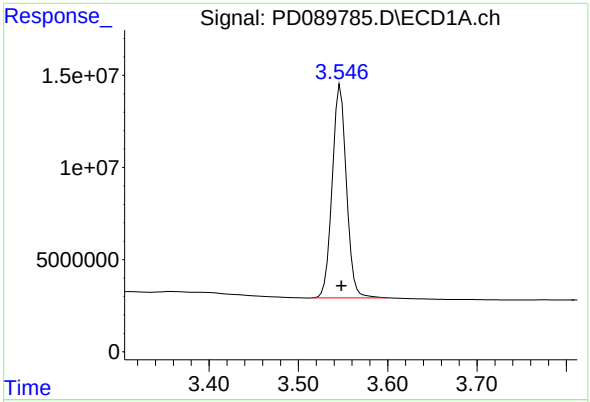
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:09:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



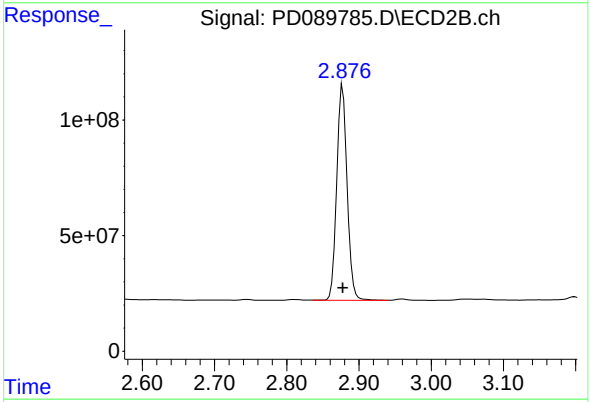




#1 Tetrachloro-m-xylene

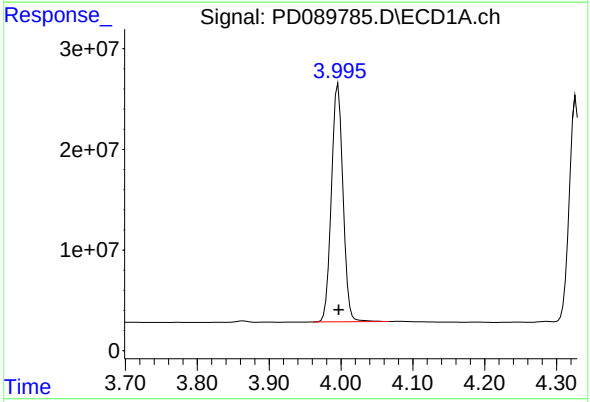
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 128021062
Conc: 51.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



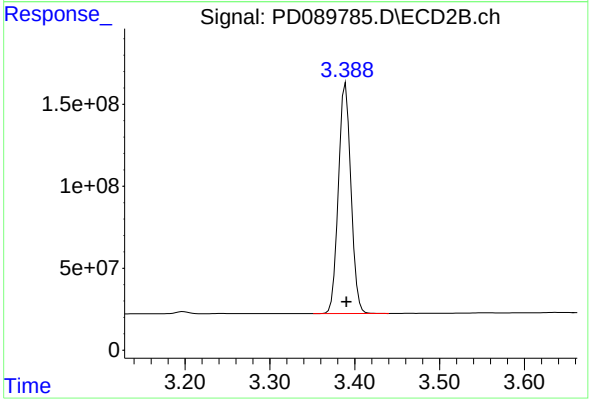
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 932539634
Conc: 58.88 ng/ml



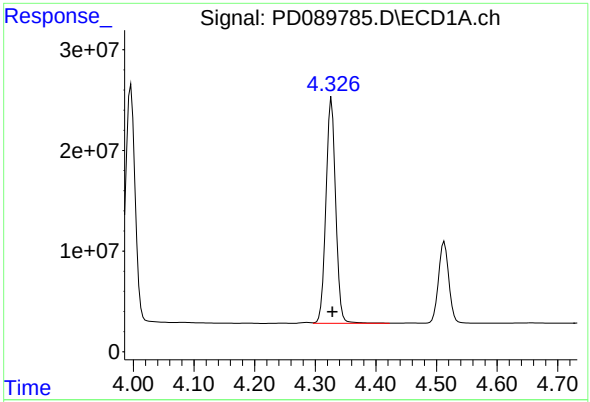
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 264230051
Conc: 53.34 ng/ml



#2 alpha-BHC

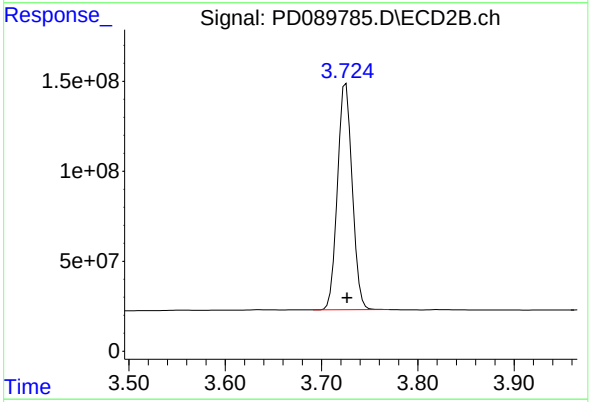
R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1440715940
Conc: 59.28 ng/ml



#3 gamma-BHC (Lindane)

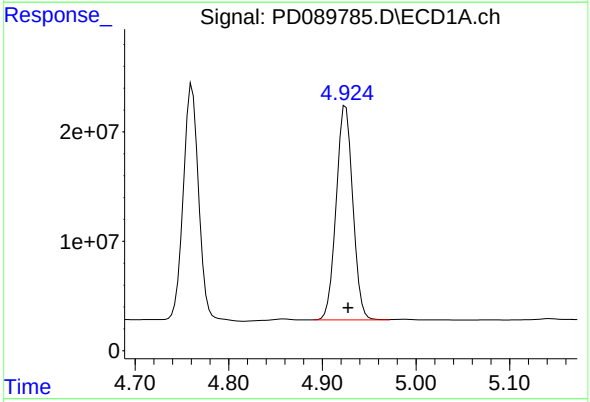
R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 250535139
Conc: 52.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



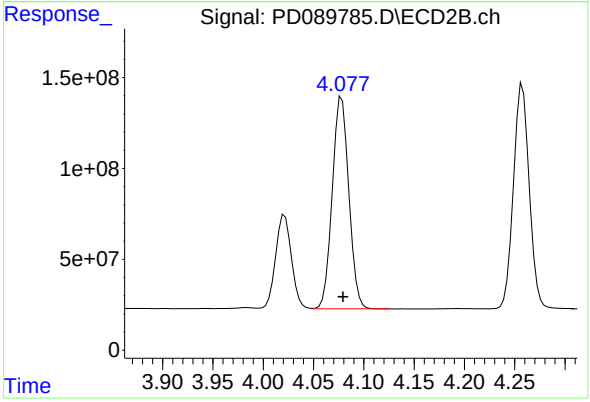
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1333793695
Conc: 59.22 ng/ml



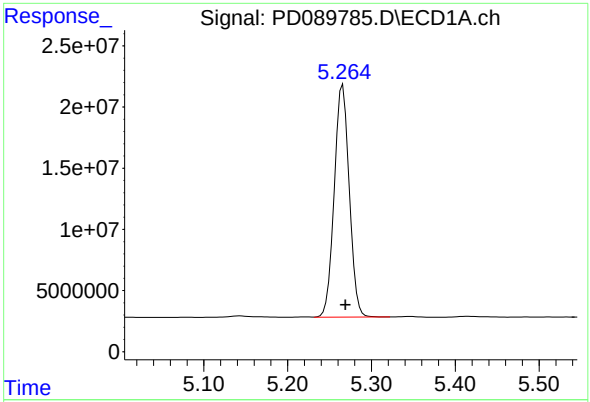
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: -0.002 min
Response: 242015054
Conc: 50.30 ng/ml



#4 Heptachlor

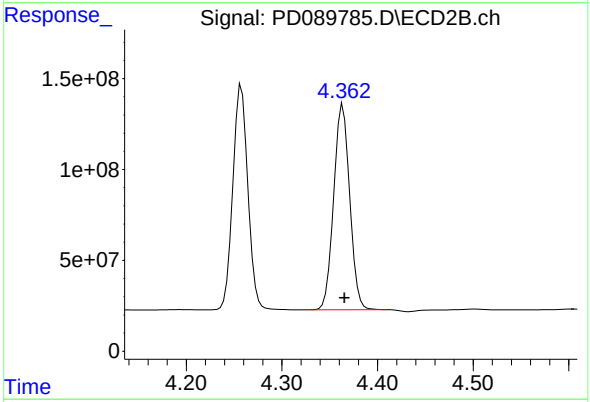
R.T.: 4.078 min
Delta R.T.: -0.001 min
Response: 1332874388
Conc: 57.43 ng/ml



#5 Aldrin

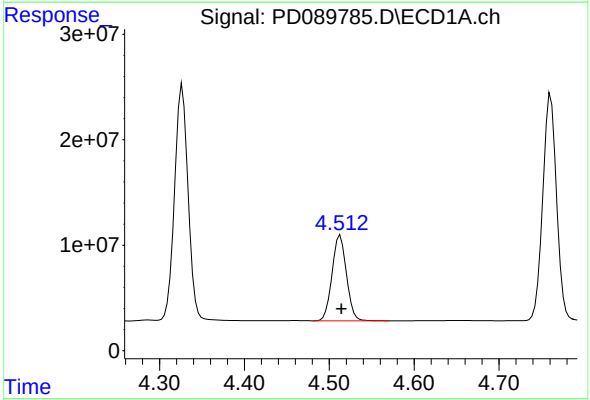
R.T.: 5.266 min
Delta R.T.: -0.003 min
Response: 235886217
Conc: 51.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



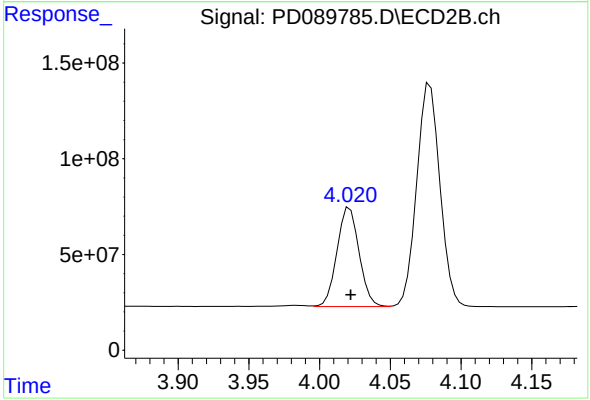
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.001 min
Response: 1313844596
Conc: 59.05 ng/ml



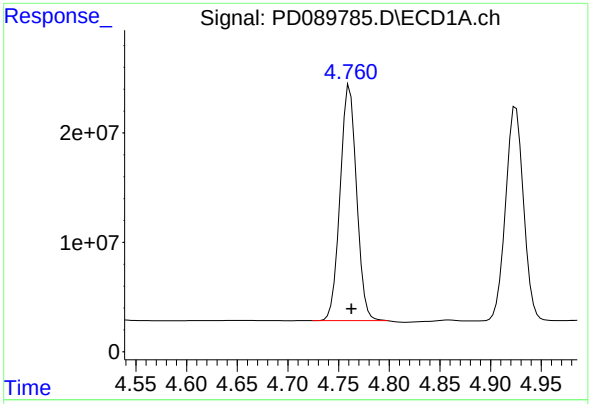
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 95712241
Conc: 51.89 ng/ml



#6 beta-BHC

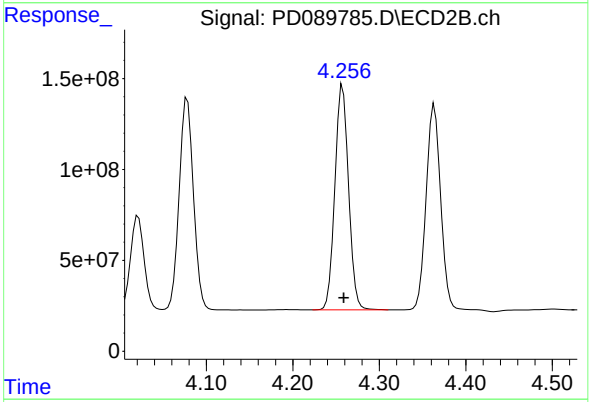
R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 563536595
Conc: 58.40 ng/ml



#7 delta-BHC

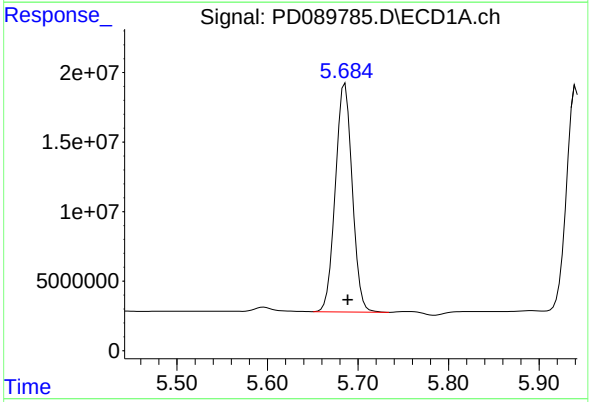
R.T.: 4.761 min
Delta R.T.: -0.002 min
Response: 242624401
Conc: 52.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



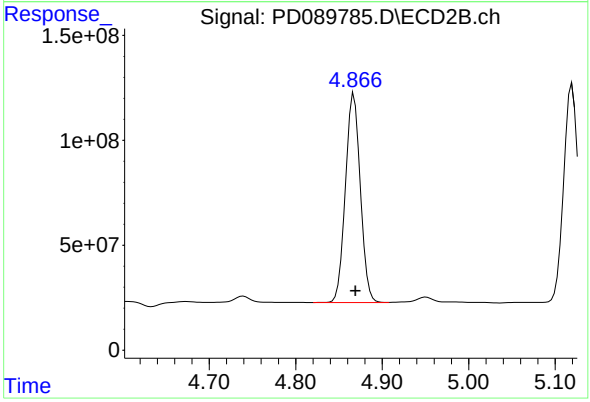
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.001 min
Response: 1350455019
Conc: 59.45 ng/ml



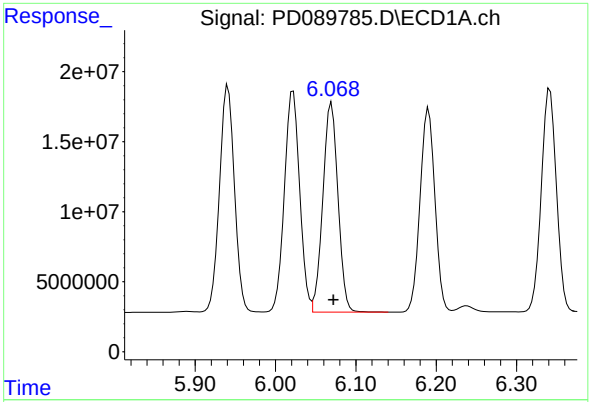
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: -0.003 min
Response: 212419766
Conc: 50.81 ng/ml



#8 Heptachlor epoxide

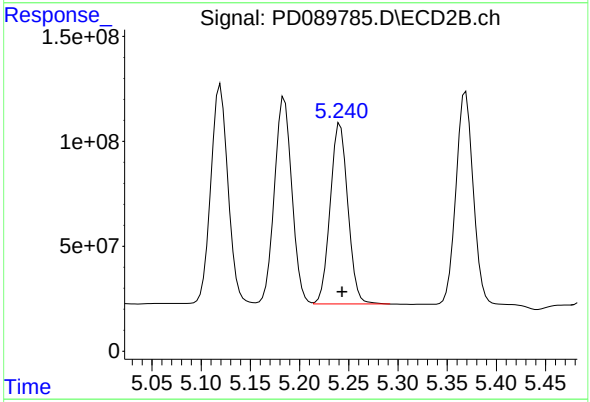
R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 1189283268
Conc: 57.87 ng/ml



#9 Endosulfan I

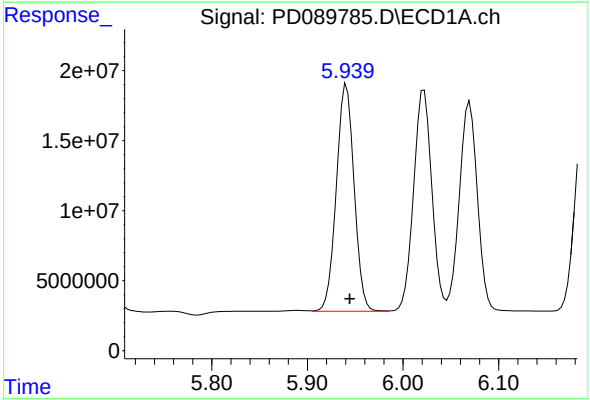
R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 196308931
Conc: 49.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



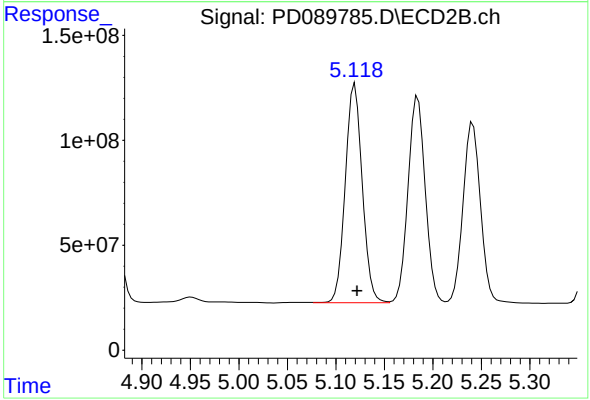
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 1074891104
Conc: 54.99 ng/ml



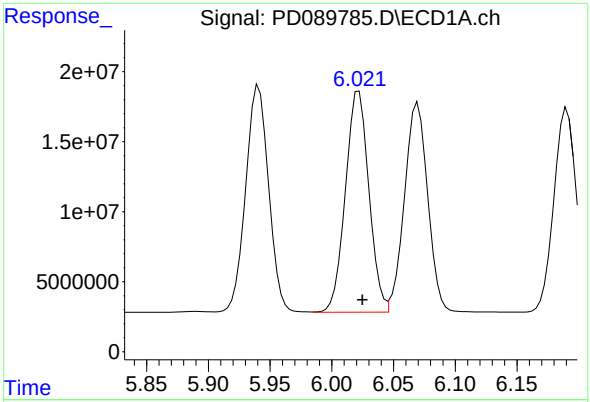
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 209866625
Conc: 50.22 ng/ml



#10 gamma-Chlordane

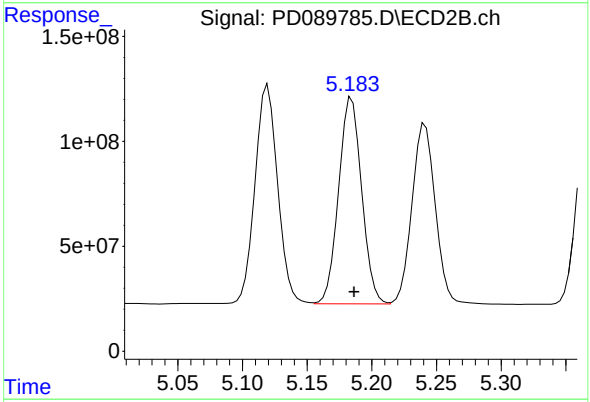
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 1270370208
Conc: 58.67 ng/ml



#11 alpha-Chlordane

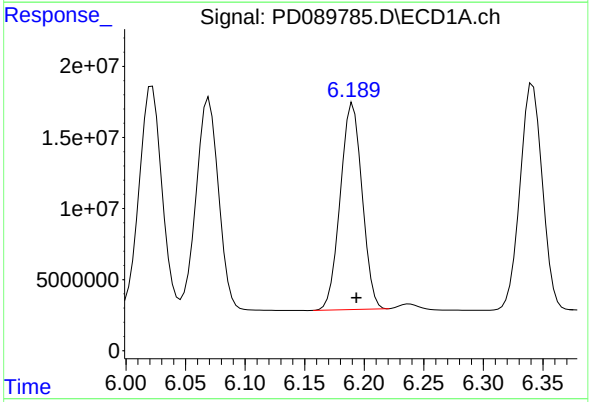
R.T.: 6.022 min
Delta R.T.: -0.003 min
Response: 209255624
Conc: 49.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



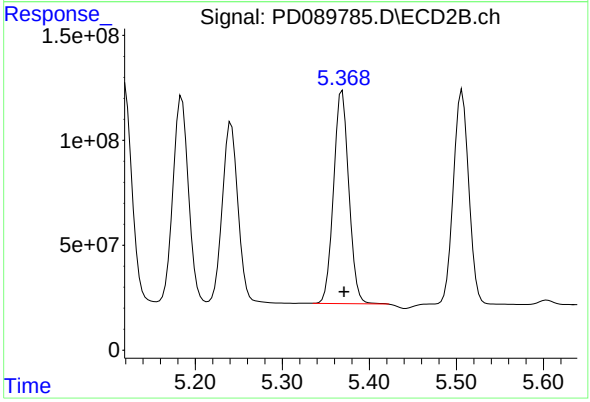
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 1216827467
Conc: 58.44 ng/ml



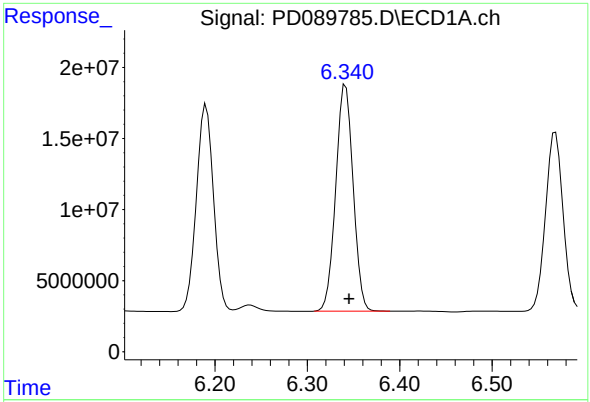
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 185101652
Conc: 49.63 ng/ml



#12 4,4'-DDE

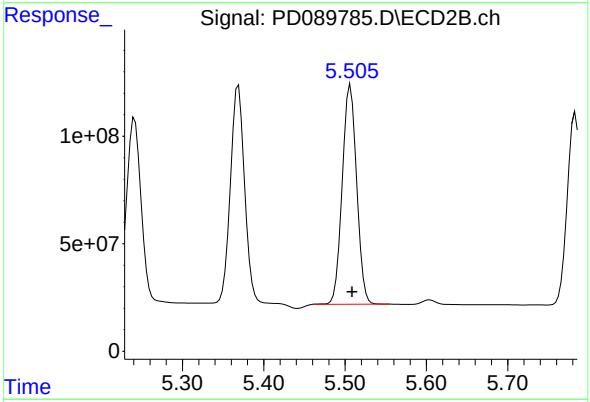
R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 1237862226
Conc: 58.56 ng/ml



#13 Dieldrin

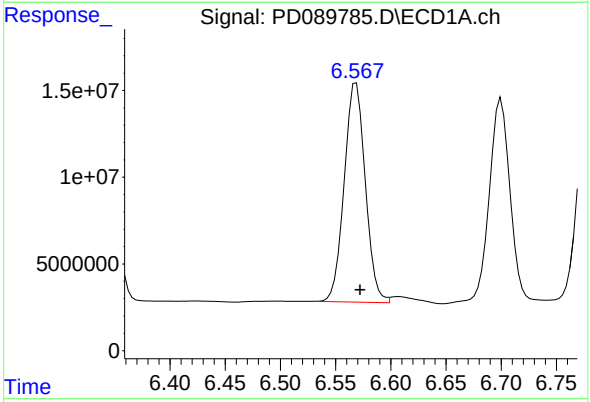
R.T.: 6.341 min
Delta R.T.: -0.004 min
Response: 208394395
Conc: 49.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



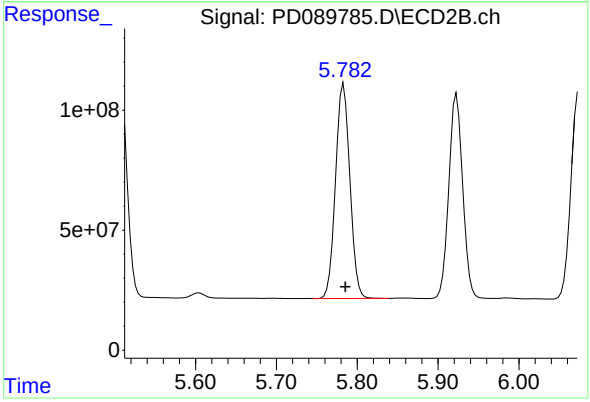
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.002 min
Response: 1254835667
Conc: 57.99 ng/ml



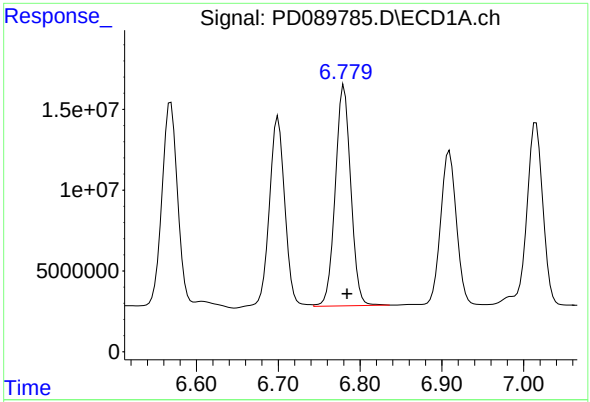
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.004 min
Response: 168021799
Conc: 46.96 ng/ml



#14 Endrin

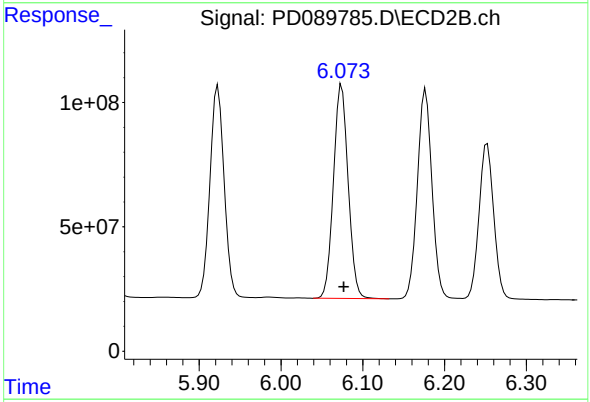
R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1102256212
Conc: 55.32 ng/ml



#15 Endosulfan II

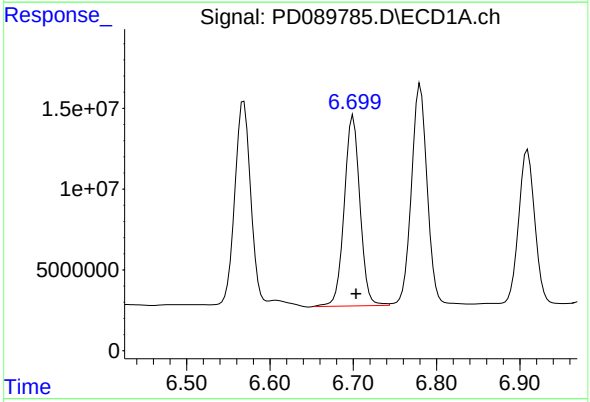
R.T.: 6.781 min
Delta R.T.: -0.003 min
Response: 179044553
Conc: 48.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



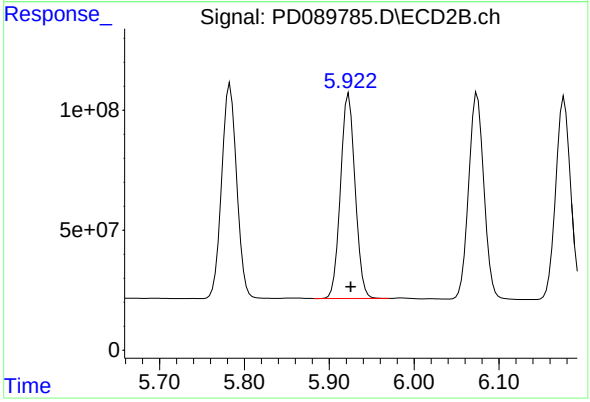
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 1071956597
Conc: 57.02 ng/ml



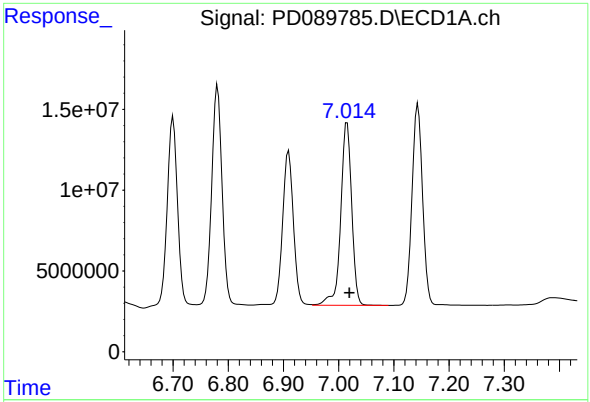
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.004 min
Response: 154369864
Conc: 51.55 ng/ml



#16 4,4'-DDD

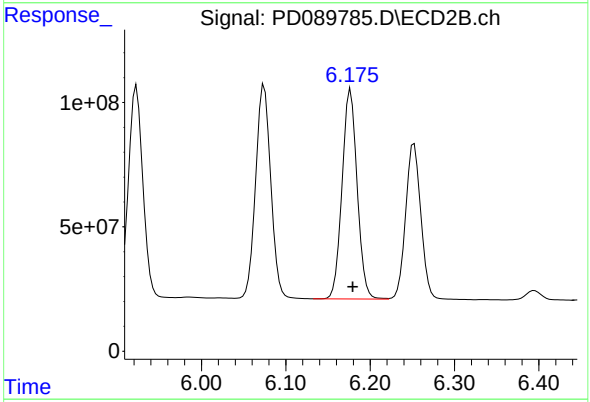
R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 1018333859
Conc: 57.75 ng/ml



#17 4,4'-DDT

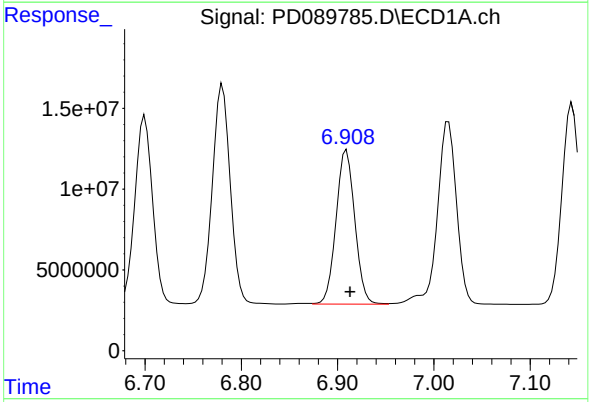
R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 156323092
Conc: 46.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



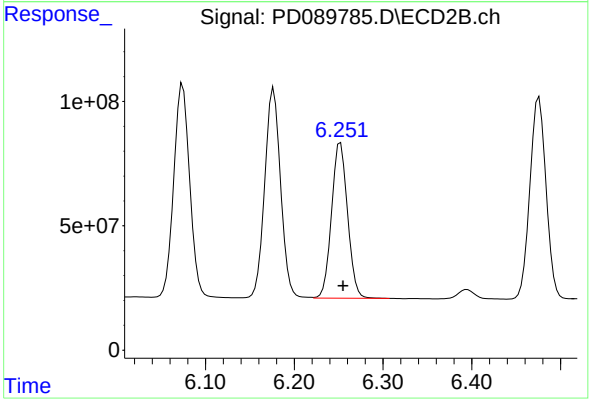
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.003 min
Response: 1048387453
Conc: 57.06 ng/ml



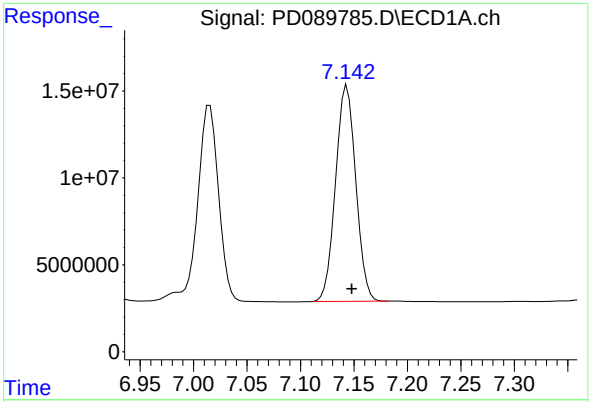
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.004 min
Response: 128631261
Conc: 51.54 ng/ml



#18 Endrin aldehyde

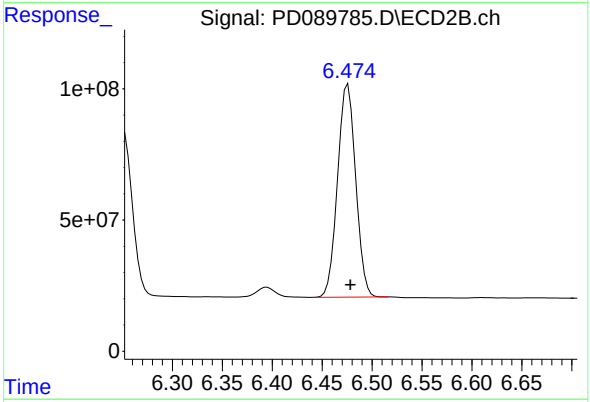
R.T.: 6.252 min
Delta R.T.: -0.003 min
Response: 782124744
Conc: 60.53 ng/ml



#19 Endosulfan Sulfate

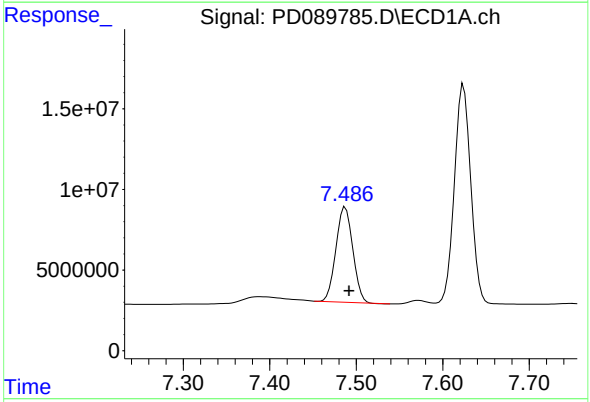
R.T.: 7.144 min
Delta R.T.: -0.005 min
Response: 163687371
Conc: 47.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



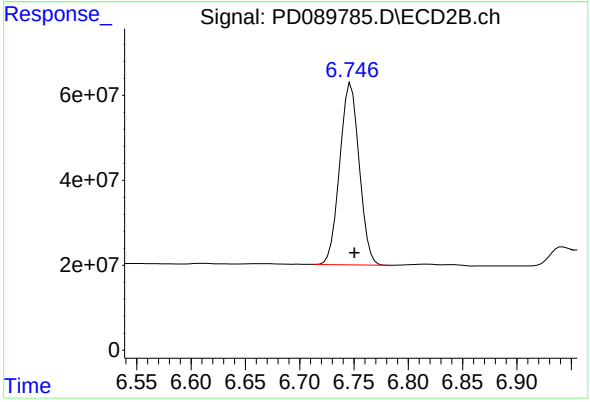
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.003 min
Response: 1026487021
Conc: 55.29 ng/ml



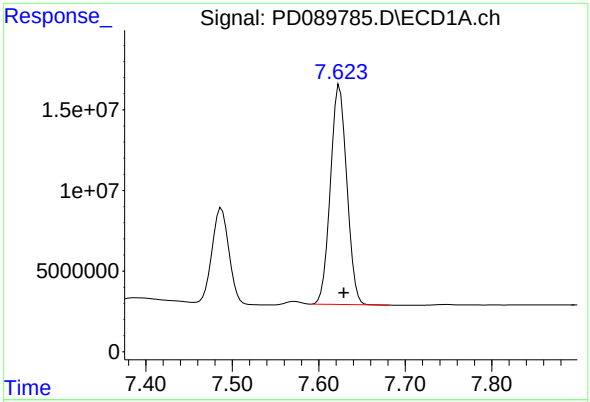
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.004 min
Response: 79288996
Conc: 44.35 ng/ml



#20 Methoxychlor

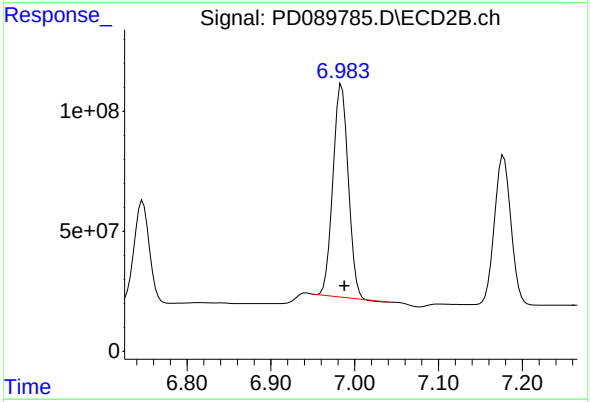
R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 534955223
Conc: 54.61 ng/ml



#21 Endrin ketone

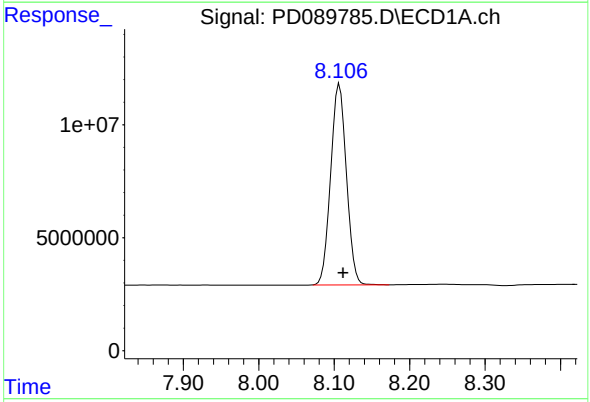
R.T.: 7.624 min
Delta R.T.: -0.005 min
Response: 178443303
Conc: 48.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



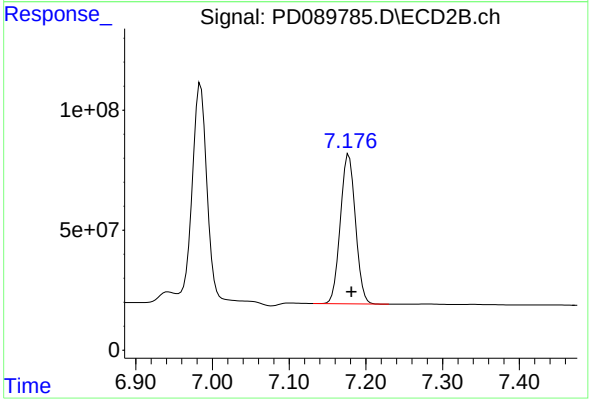
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.003 min
Response: 1121871160
Conc: 55.90 ng/ml



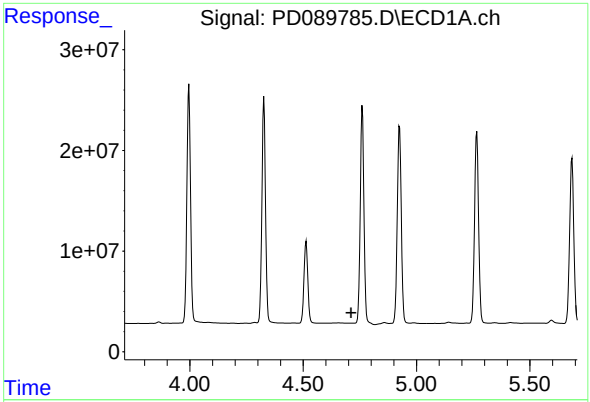
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.005 min
Response: 129190080
Conc: 46.33 ng/ml



#22 Mirex

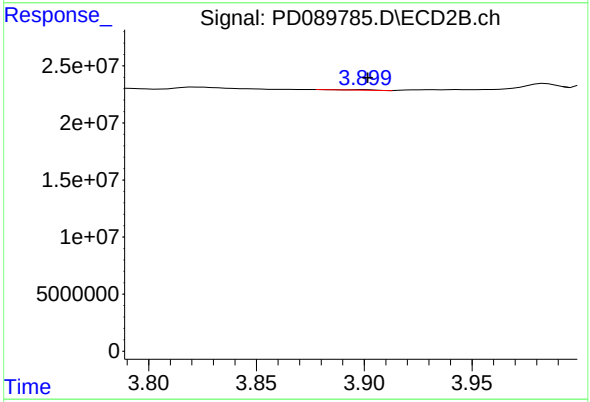
R.T.: 7.178 min
Delta R.T.: -0.003 min
Response: 854137573
Conc: 56.12 ng/ml



#23 Chlordane-1

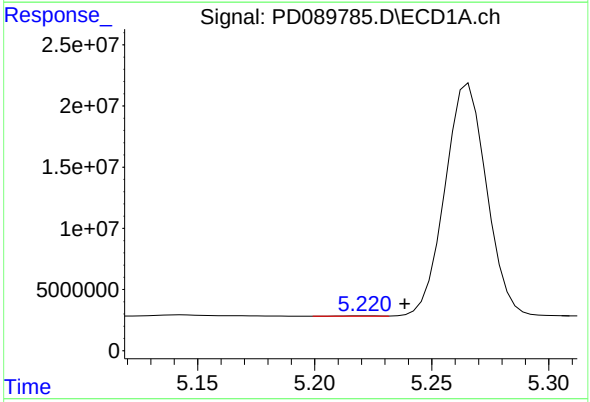
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



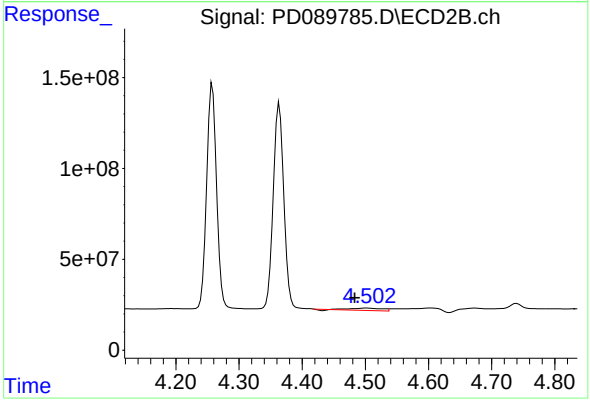
#23 Chlordane-1

R.T.: 3.900 min
Delta R.T.: -0.001 min
Response: 513245
Conc: 0.70 ng/ml



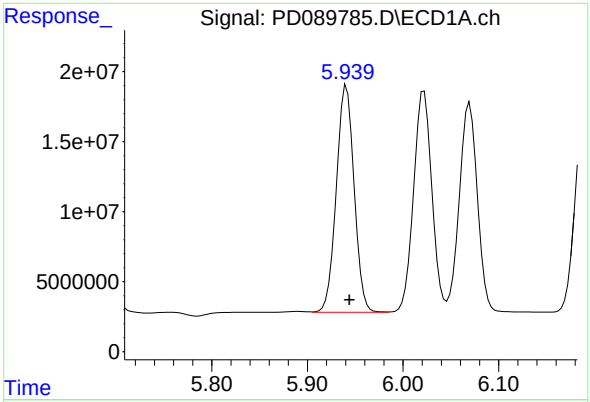
#24 Chlordane-2

R.T.: 5.222 min
Delta R.T.: -0.017 min
Response: 302894
Conc: 1.78 ng/ml



#24 Chlordane-2

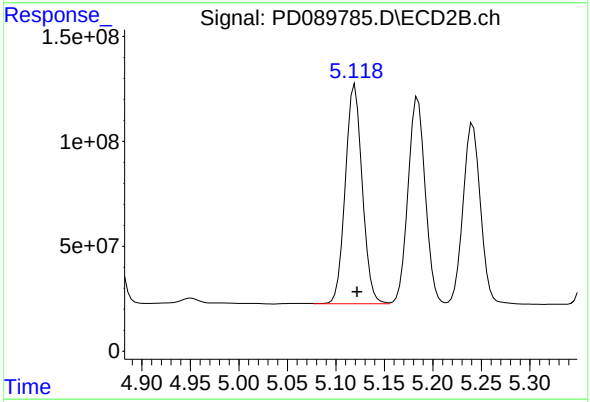
R.T.: 4.502 min
Delta R.T.: 0.018 min
Response: 43394757
Conc: 56.77 ng/ml



#25 Chlordane-3

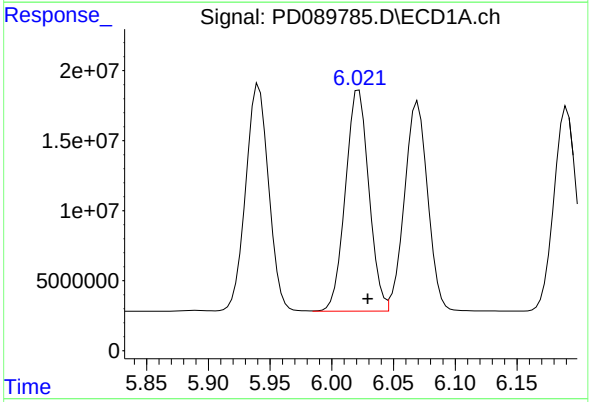
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 209866625
Conc: 306.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



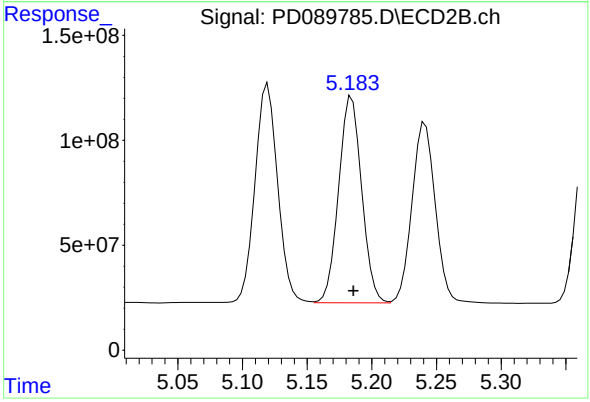
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 1270370208
Conc: 548.93 ng/ml



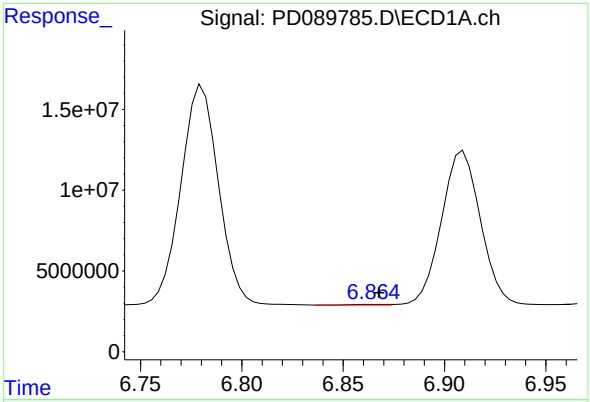
#26 Chlordane-4

R.T.: 6.022 min
Delta R.T.: -0.007 min
Response: 209255624
Conc: 249.97 ng/ml



#26 Chlordane-4

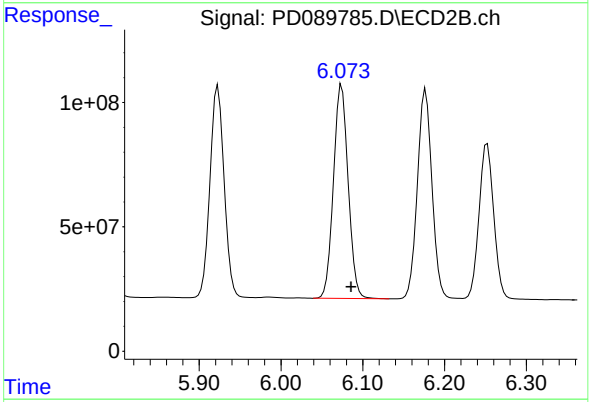
R.T.: 5.184 min
Delta R.T.: -0.001 min
Response: 1216827467
Conc: 611.61 ng/ml



#27 Chlordane-5

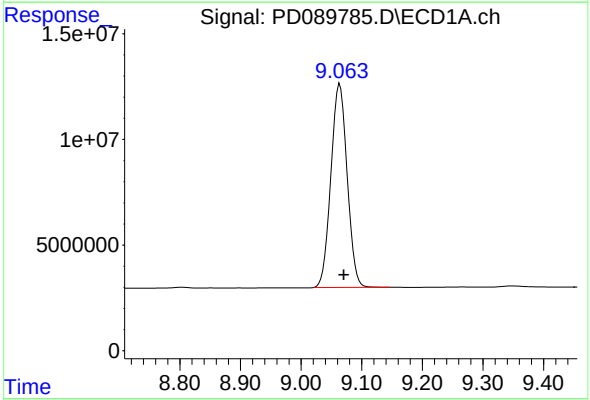
R.T.: 6.865 min
Delta R.T.: -0.002 min
Response: 484809
Conc: 3.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



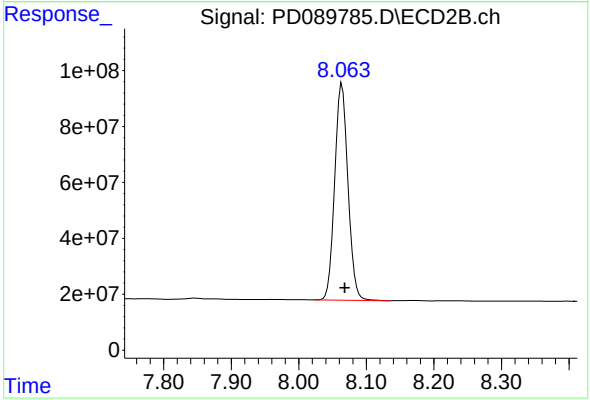
#27 Chlordane-5

R.T.: 6.074 min
Delta R.T.: -0.011 min
Response: 1071956597
Conc: 1184.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.007 min
Response: 179360721
Conc: 48.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 1060546955
Conc: 52.82 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 09:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	52067655	399.4E6	21.109	25.215	
28)	SA Decachlor...	9.066	8.065	78072148	477.4E6	21.008	23.778	
	Target Compounds							
2)	A alpha-BHC	3.996	3.389	49803565	331.3E6	10.054	13.633	#
3)	MA gamma-BHC...	4.327	3.725	49118703	304.0E6	10.336	13.496	#
4)	MA Heptachlor	0.000	4.074	0	924272	N.D.	0.040	#
5)	MB Aldrin	5.249f	4.360	347666	1002148	0.076	0.045	#
6)	B beta-BHC	4.513	4.021	20756014	130.8E6	11.252	13.555	
7)	B delta-BHC	4.769	4.257	1388791	821506	0.303	0.036	#
8)	B Heptachlo...	5.678	4.878	2782689	395394	0.666	0.019	#
9)	A Endosulfan I	0.000	5.224f	0	4928569	N.D.	0.252	#
10)	B gamma-Chl...	5.941	5.120	311013	9076379	0.074	0.419	#
11)	B alpha-Chl...	6.026	5.184	516574	7915341	0.123	0.380	#
12)	B 4,4'-DDE	6.192	5.370	428138	4351230	0.115	0.206	#
13)	MA Dieldrin	6.362f	5.499	452132	320864	0.107	0.015	#
14)	MA Endrin	6.570	5.783	174.2E6	1145.9E6	48.684	57.509	
15)	B Endosulfa...	6.767f	6.080	747910	6566075	0.204	0.349	#
16)	A 4,4'-DDD	6.700	5.924	10581315	82461865	3.533	4.677	#
17)	MA 4,4'-DDT	7.017	6.177	319.3E6	2123.3E6	95.028	115.569	
18)	B Endrin al...	6.911	6.251	2461630	24813873	0.986	1.921	#
19)	B Endosulfa...	0.000	6.456f	0	2216297	N.D.	0.119	#
20)	A Methoxychlor	7.489	6.747	393.1E6	2257.4E6	219.841	230.451	
21)	B Endrin ke...	7.625	6.984	7797473	68918489	2.099	3.434	#
22)	Mirex	8.123	7.171	87112	5992893	0.031	0.394	#
23)	Chlordane-1	0.000	3.899	0	1139727	N.D.	1.558	#
24)	Chlordane-2	5.249	4.485	347666	5181077	2.046	6.778	#
25)	Chlordane-3	5.941	5.120	311013	9076379	0.453	3.922	#
26)	Chlordane-4	6.026	5.184	516574	7915341	0.617	3.978	#
27)	Chlordane-5	0.000	6.080	0	6566075	N.D.	7.258	#

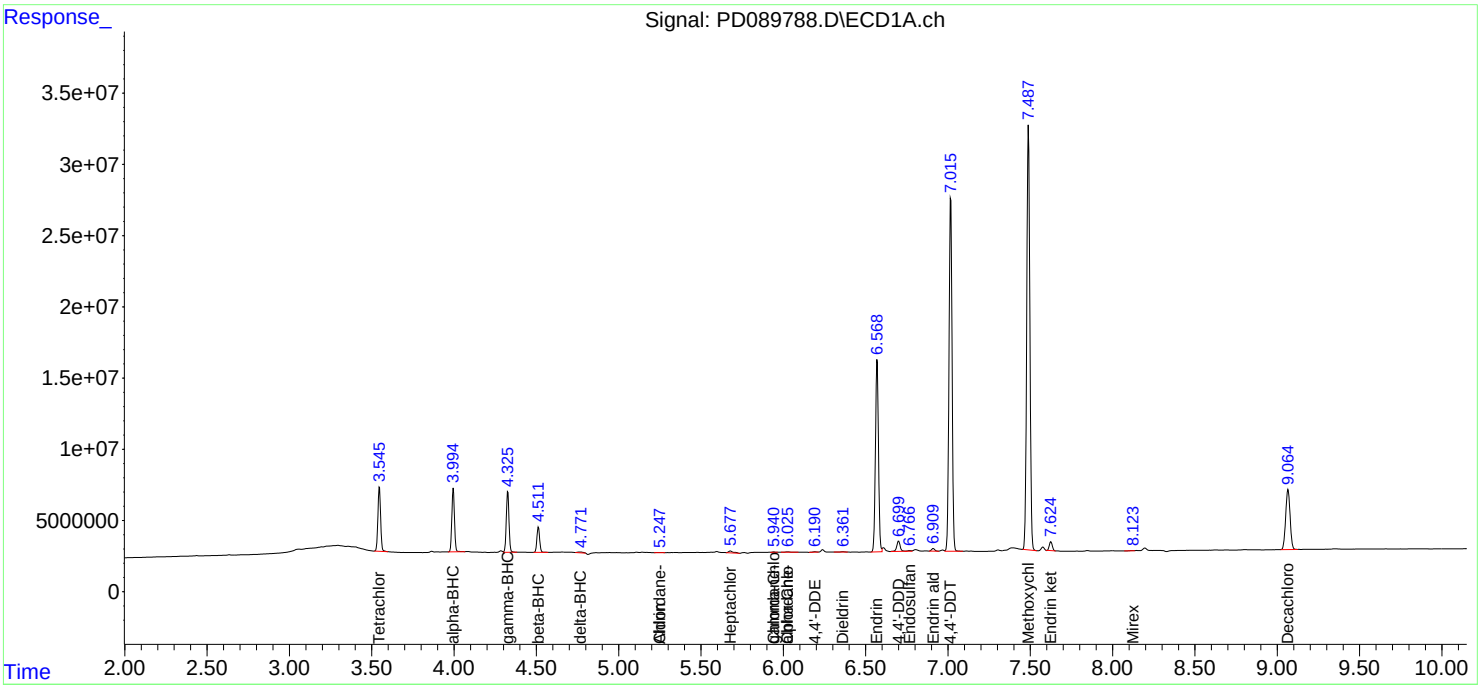
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

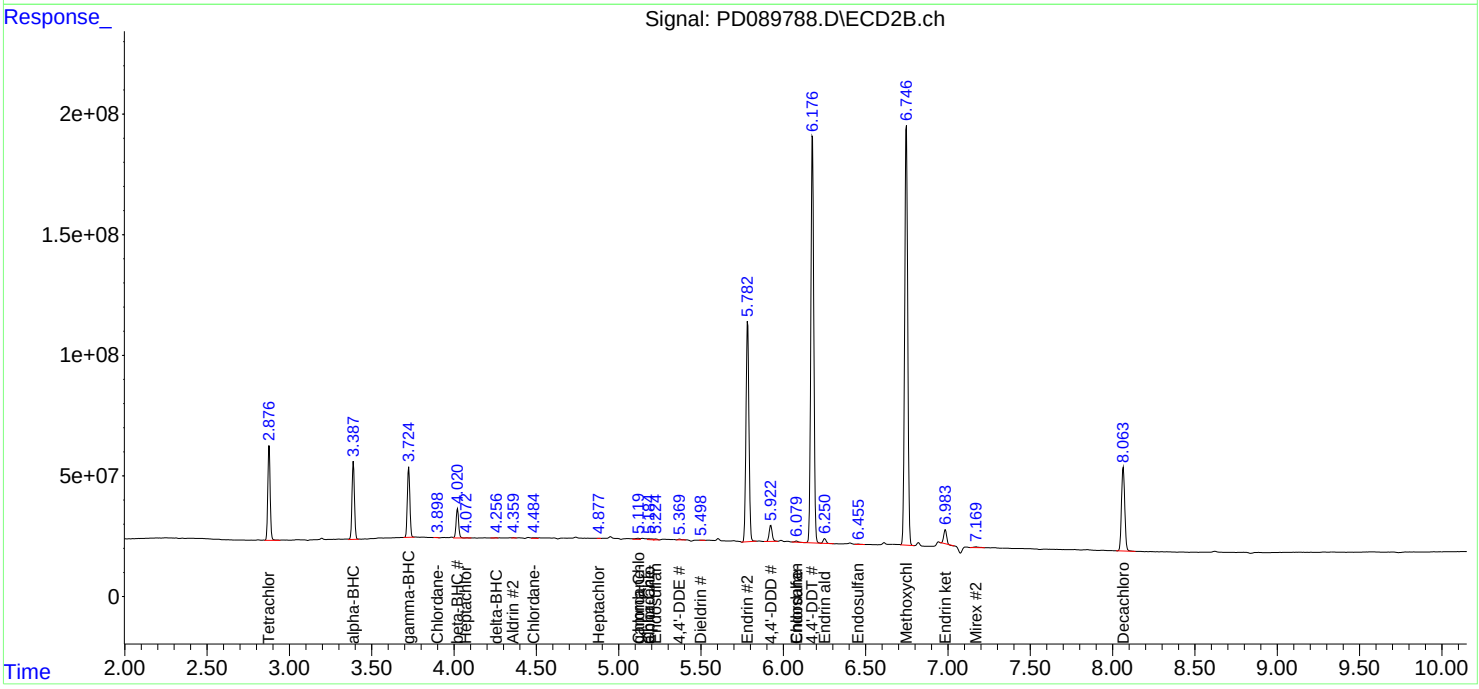
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 09:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

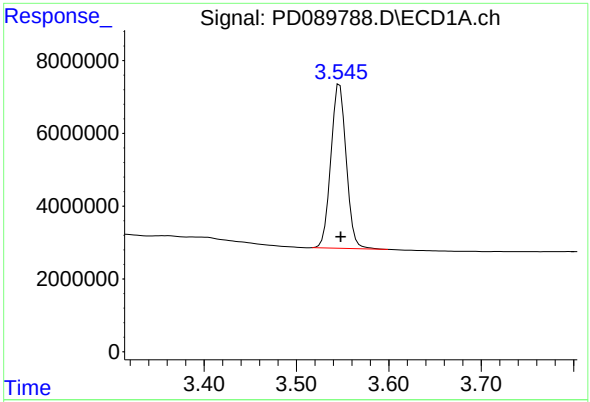
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



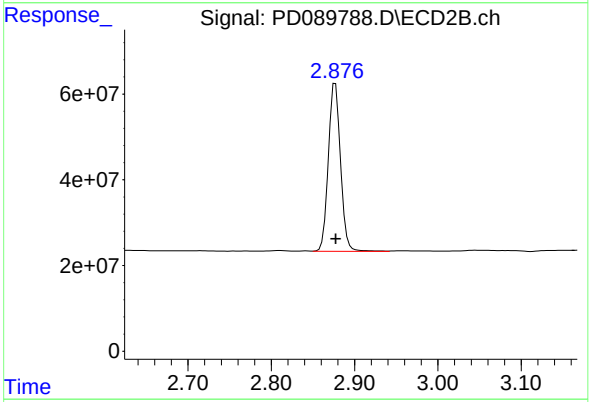




#1 Tetrachloro-m-xylene

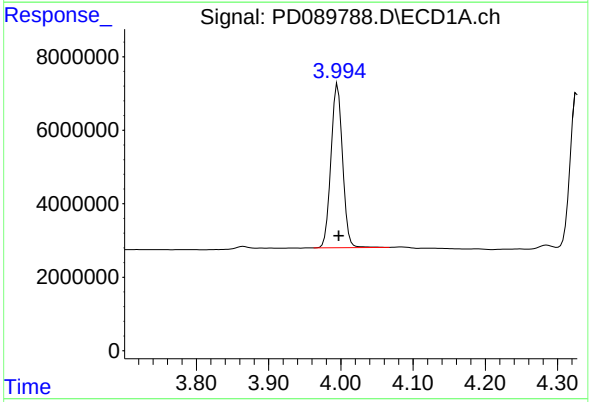
R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 52067655
Conc: 21.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



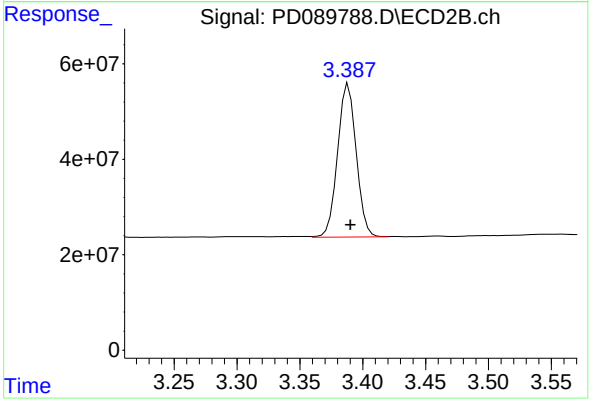
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 399355668
Conc: 25.22 ng/ml



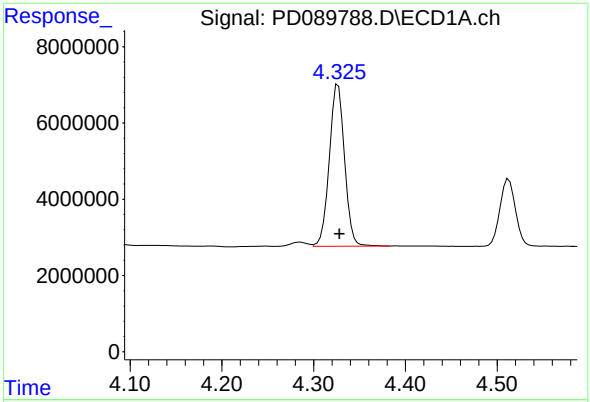
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: -0.001 min
Response: 49803565
Conc: 10.05 ng/ml



#2 alpha-BHC

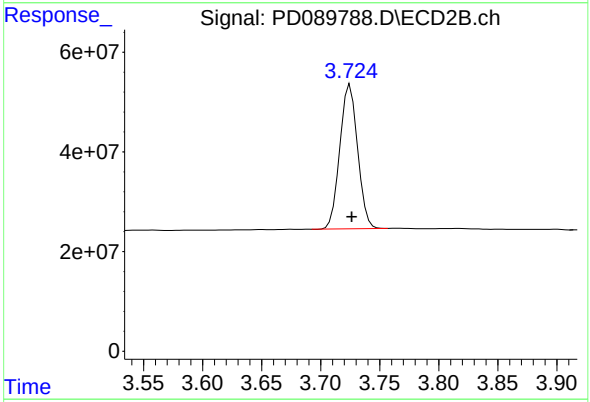
R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 331338651
Conc: 13.63 ng/ml



#3 gamma-BHC (Lindane)

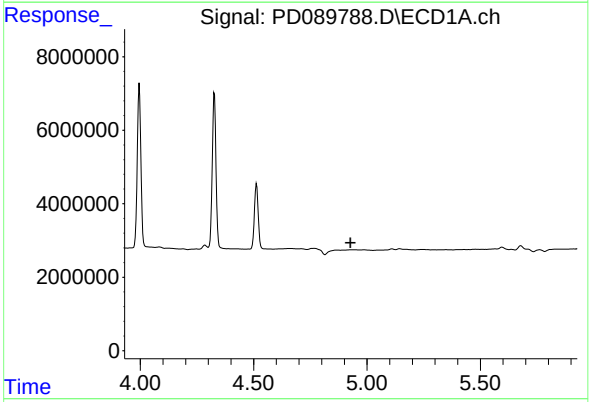
R.T.: 4.327 min
Delta R.T.: -0.002 min
Response: 49118703
Conc: 10.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



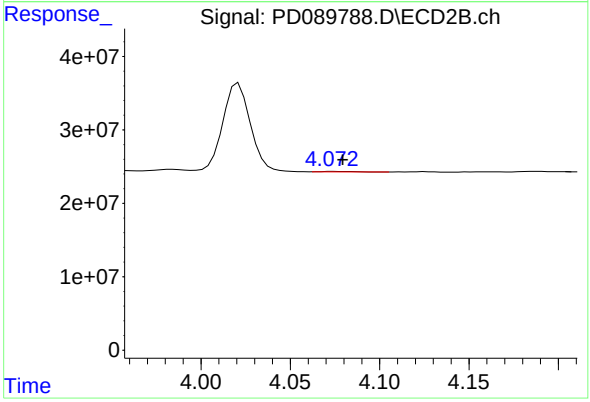
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.001 min
Response: 303977008
Conc: 13.50 ng/ml



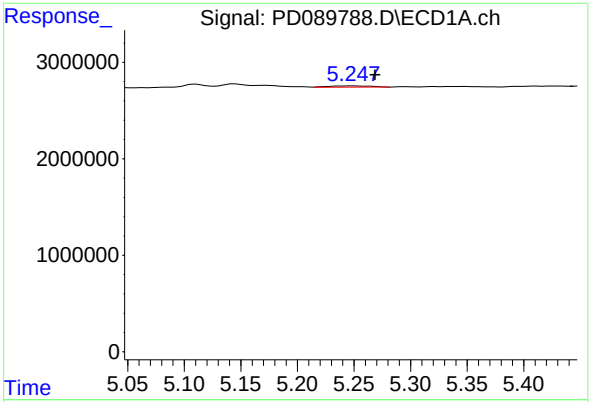
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.927 min
Response: 0
Conc: N.D.



#4 Heptachlor

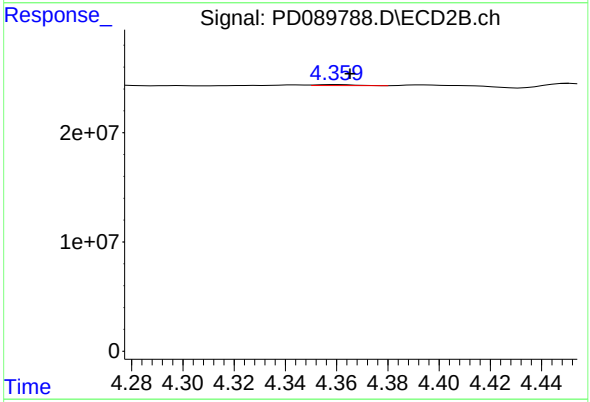
R.T.: 4.074 min
Delta R.T.: -0.006 min
Response: 924272
Conc: 0.04 ng/ml



#5 Aldrin

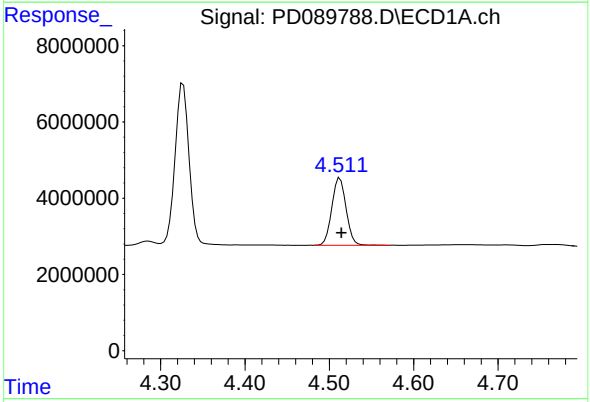
R.T.: 5.249 min
Delta R.T.: -0.020 min
Response: 347666
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



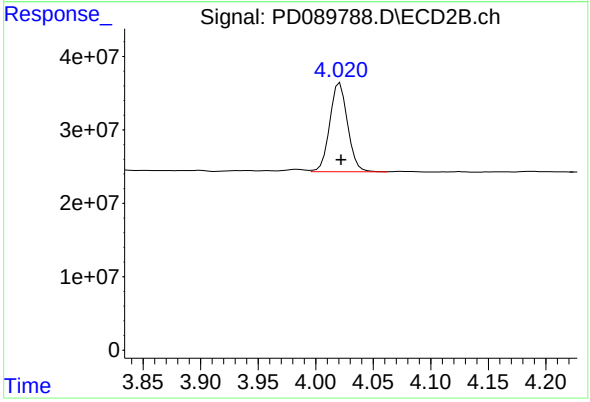
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.005 min
Response: 1002148
Conc: 0.05 ng/ml



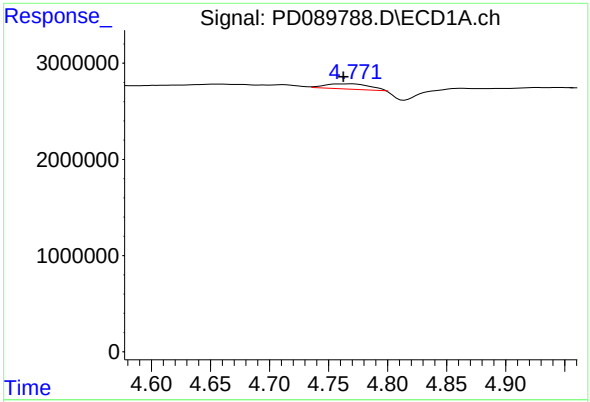
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.002 min
Response: 20756014
Conc: 11.25 ng/ml



#6 beta-BHC

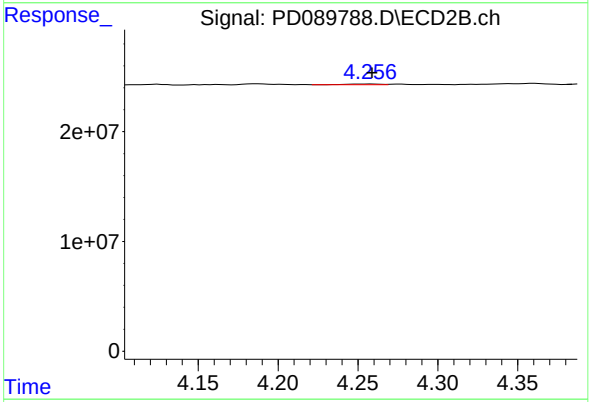
R.T.: 4.021 min
Delta R.T.: -0.001 min
Response: 130790223
Conc: 13.55 ng/ml



#7 delta-BHC

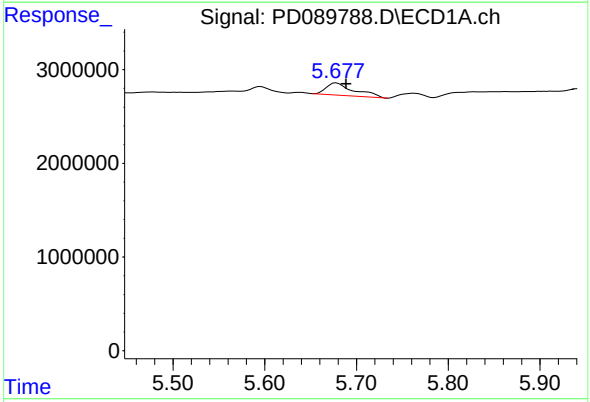
R.T.: 4.769 min
Delta R.T.: 0.007 min
Response: 1388791
Conc: 0.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



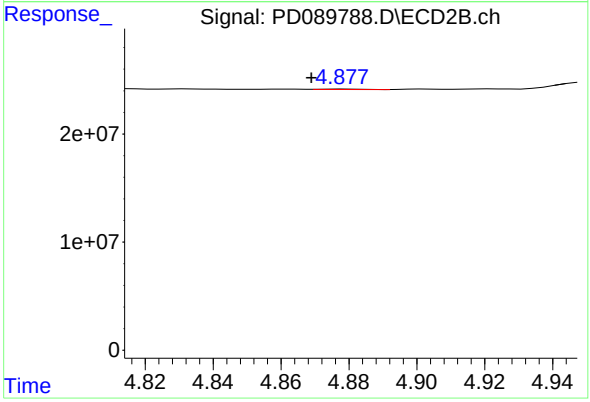
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.002 min
Response: 821506
Conc: 0.04 ng/ml



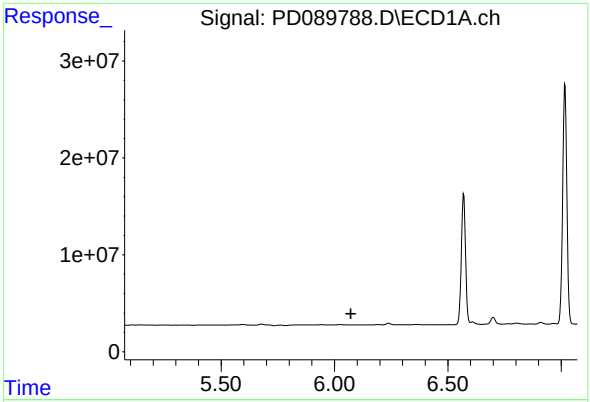
#8 Heptachlor epoxide

R.T.: 5.678 min
Delta R.T.: -0.011 min
Response: 2782689
Conc: 0.67 ng/ml



#8 Heptachlor epoxide

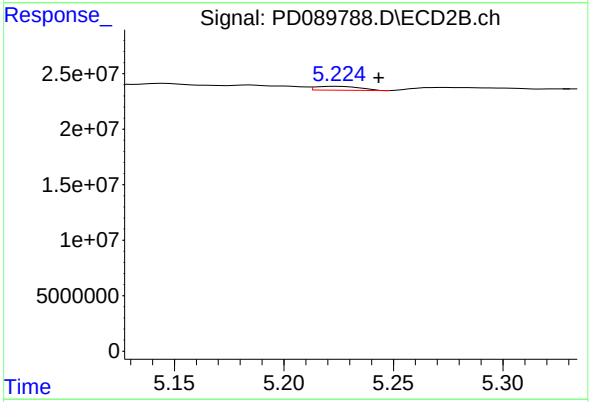
R.T.: 4.878 min
Delta R.T.: 0.009 min
Response: 395394
Conc: 0.02 ng/ml



#9 Endosulfan I

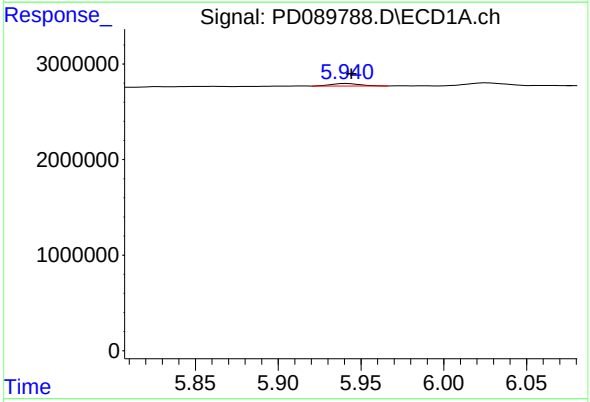
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



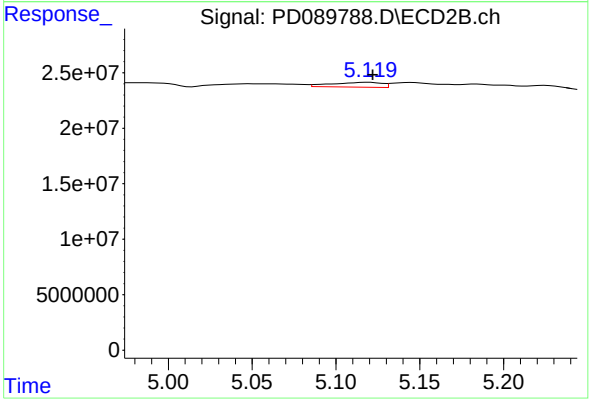
#9 Endosulfan I

R.T.: 5.224 min
Delta R.T.: -0.019 min
Response: 4928569
Conc: 0.25 ng/ml



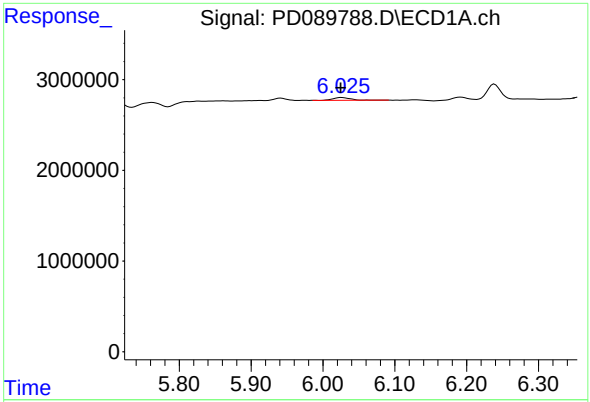
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 311013
Conc: 0.07 ng/ml



#10 gamma-Chlordane

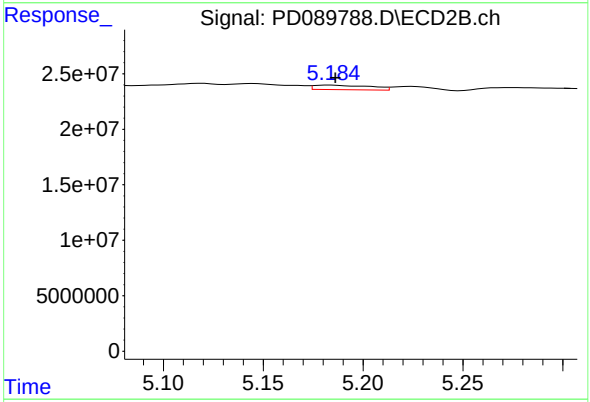
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 9076379
Conc: 0.42 ng/ml



#11 alpha-Chlordane

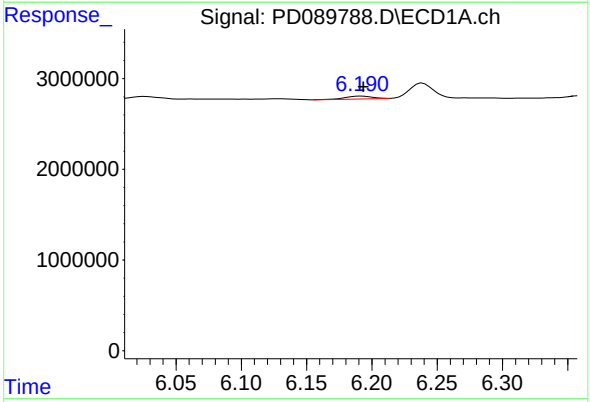
R.T.: 6.026 min
Delta R.T.: 0.001 min
Response: 516574
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



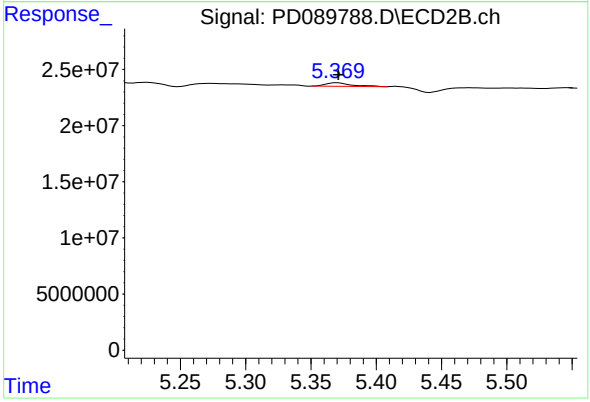
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 7915341
Conc: 0.38 ng/ml



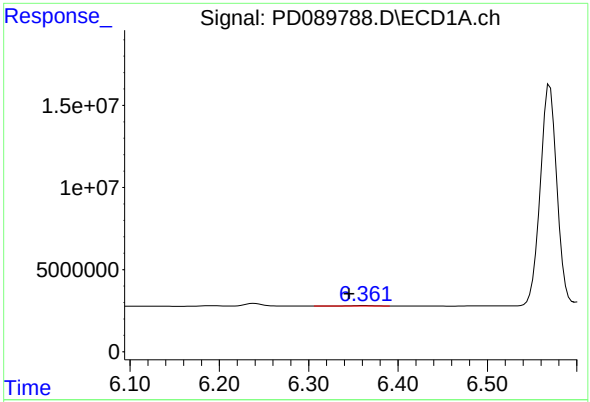
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 428138
Conc: 0.11 ng/ml



#12 4,4'-DDE

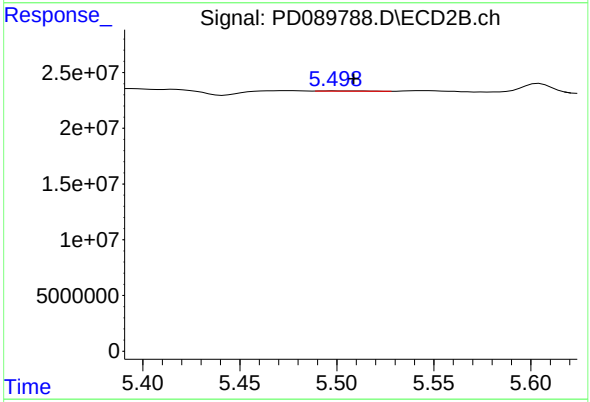
R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 4351230
Conc: 0.21 ng/ml



#13 Dieldrin

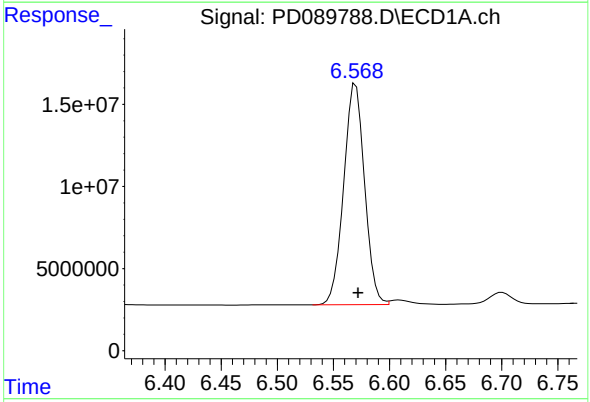
R.T.: 6.362 min
Delta R.T.: 0.017 min
Response: 452132
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



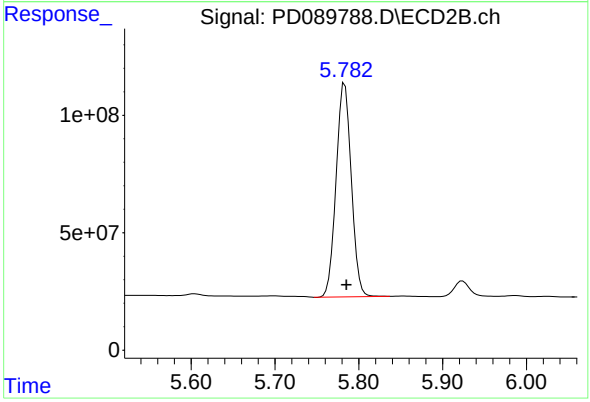
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: -0.009 min
Response: 320864
Conc: 0.01 ng/ml



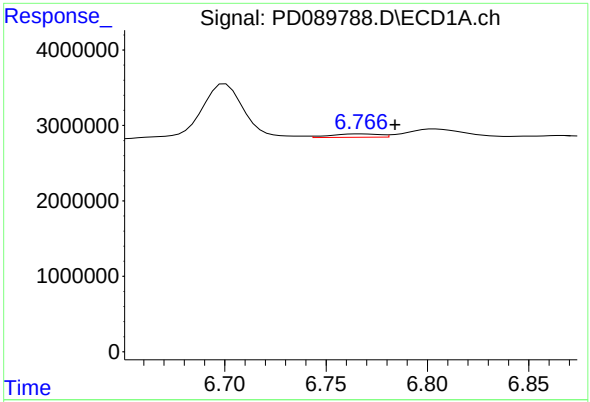
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 174178651
Conc: 48.68 ng/ml



#14 Endrin

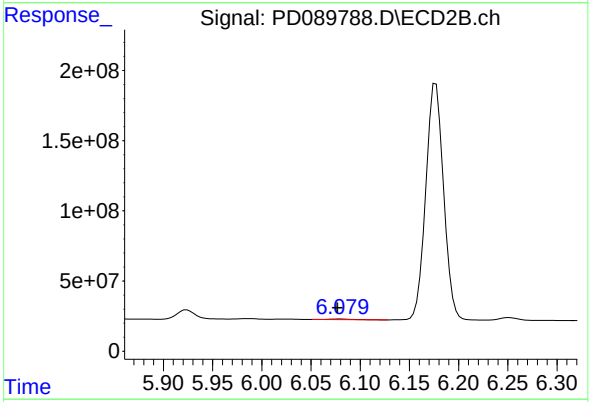
R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1145879452
Conc: 57.51 ng/ml



#15 Endosulfan II

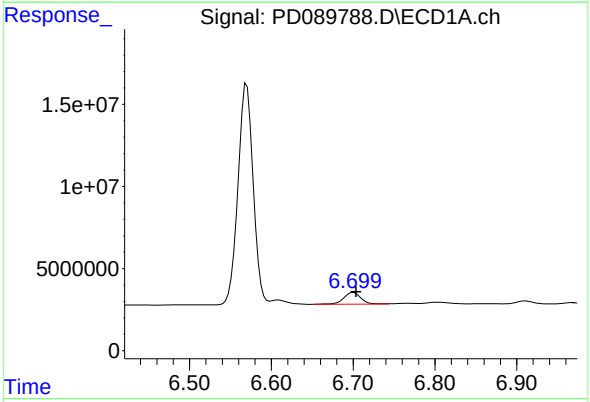
R.T.: 6.767 min
Delta R.T.: -0.017 min
Response: 747910
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



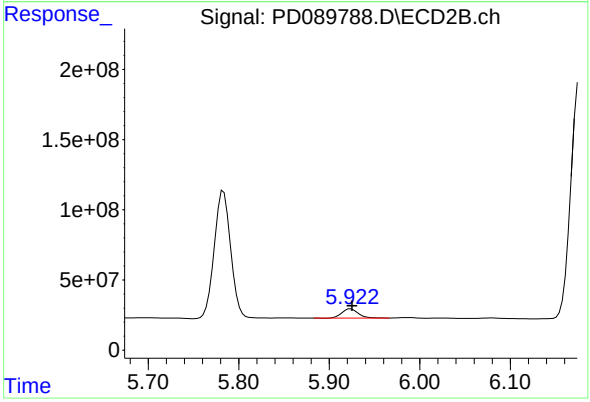
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.004 min
Response: 6566075
Conc: 0.35 ng/ml



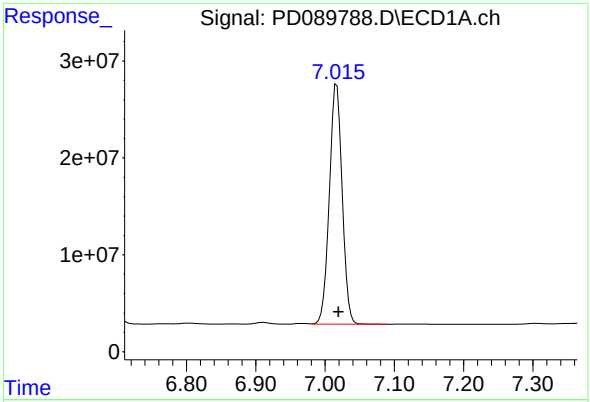
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.003 min
Response: 10581315
Conc: 3.53 ng/ml



#16 4,4'-DDD

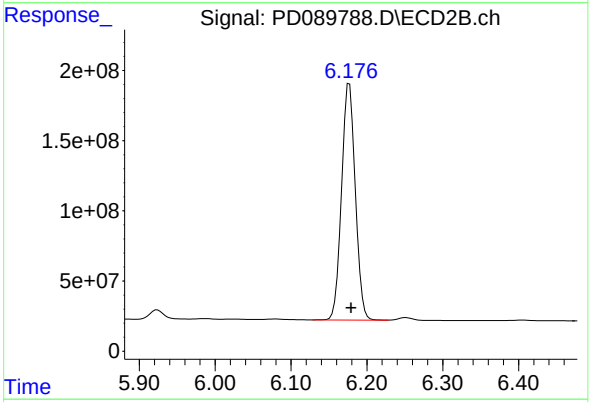
R.T.: 5.924 min
Delta R.T.: -0.002 min
Response: 82461865
Conc: 4.68 ng/ml



#17 4,4'-DDT

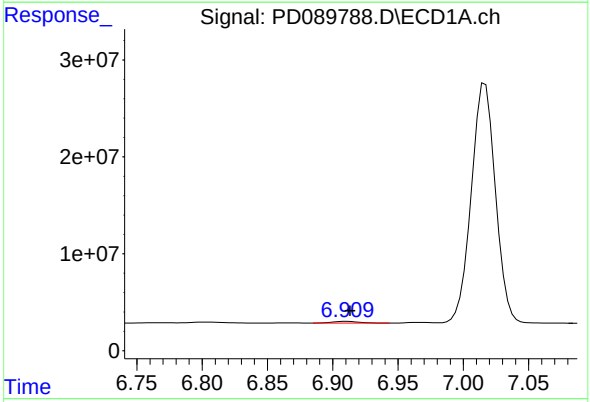
R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 319317751
Conc: 95.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



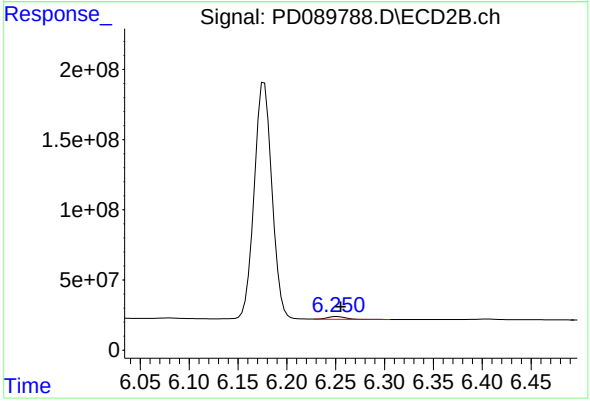
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 2123310358
Conc: 115.57 ng/ml



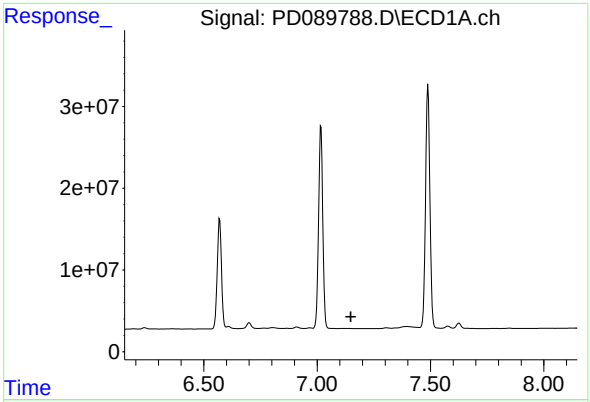
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 2461630
Conc: 0.99 ng/ml



#18 Endrin aldehyde

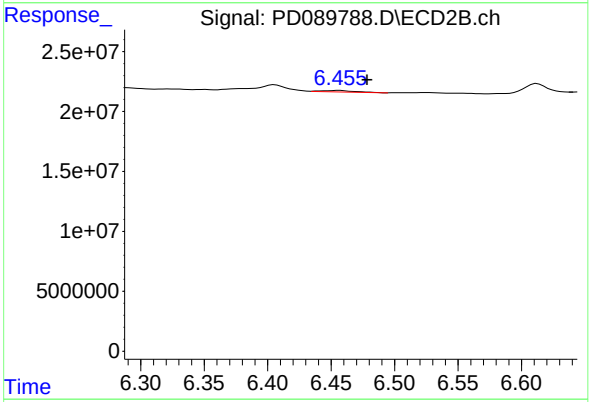
R.T.: 6.251 min
Delta R.T.: -0.004 min
Response: 24813873
Conc: 1.92 ng/ml



#19 Endosulfan Sulfate

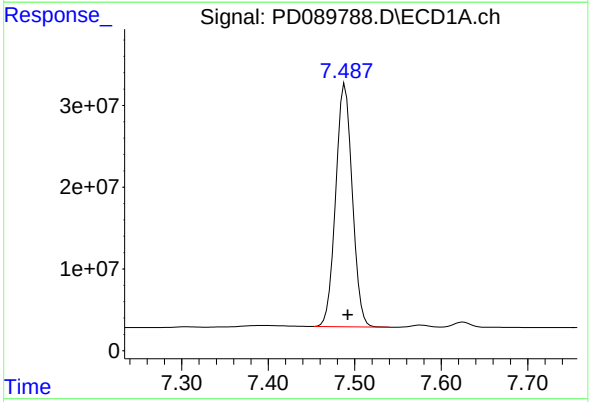
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



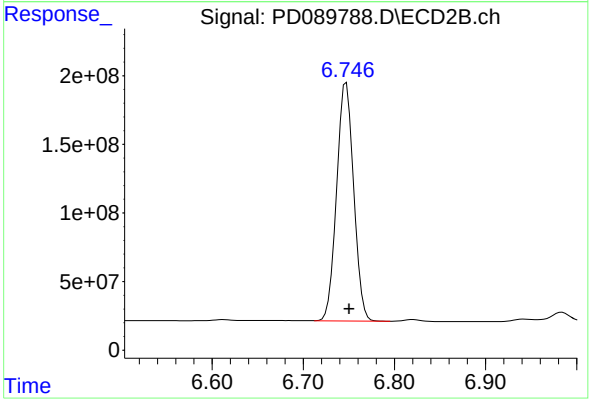
#19 Endosulfan Sulfate

R.T.: 6.456 min
Delta R.T.: -0.022 min
Response: 2216297
Conc: 0.12 ng/ml



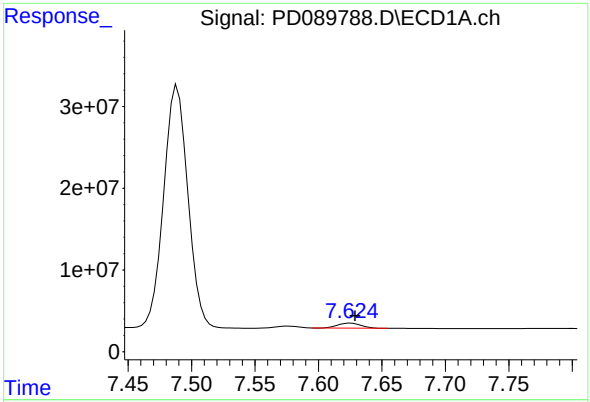
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.003 min
Response: 393069673
Conc: 219.84 ng/ml



#20 Methoxychlor

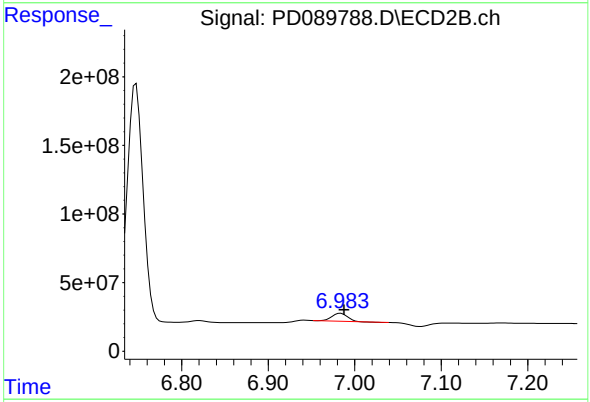
R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 2257378545
Conc: 230.45 ng/ml



#21 Endrin ketone

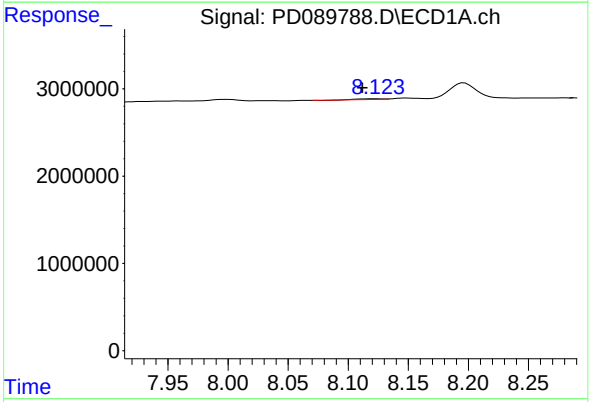
R.T.: 7.625 min
Delta R.T.: -0.003 min
Response: 7797473
Conc: 2.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



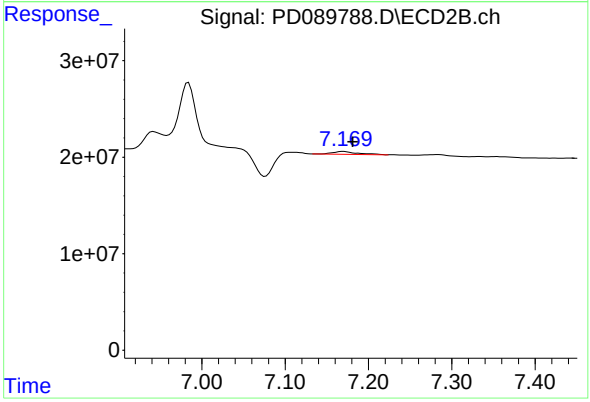
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.004 min
Response: 68918489
Conc: 3.43 ng/ml



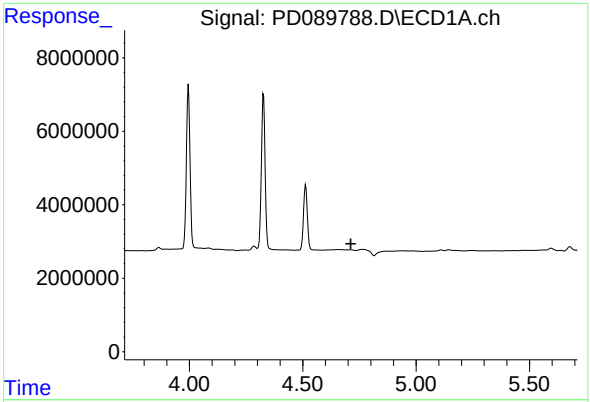
#22 Mirex

R.T.: 8.123 min
Delta R.T.: 0.011 min
Response: 87112
Conc: 0.03 ng/ml



#22 Mirex

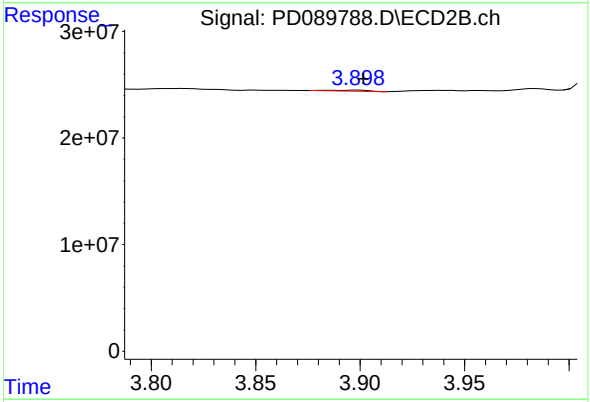
R.T.: 7.171 min
Delta R.T.: -0.010 min
Response: 5992893
Conc: 0.39 ng/ml



#23 Chlordane-1

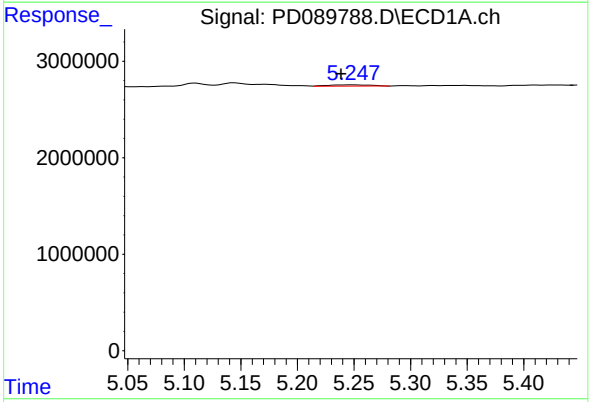
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



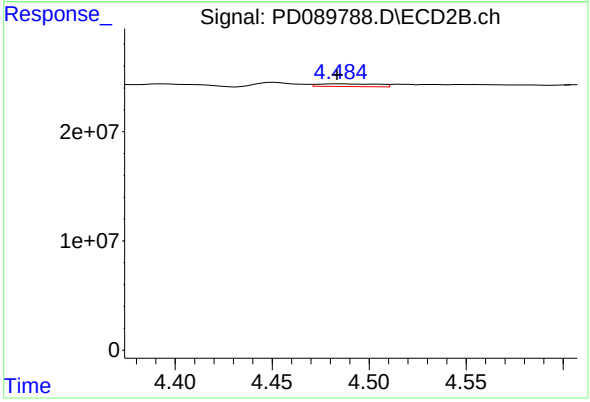
#23 Chlordane-1

R.T.: 3.899 min
Delta R.T.: -0.003 min
Response: 1139727
Conc: 1.56 ng/ml



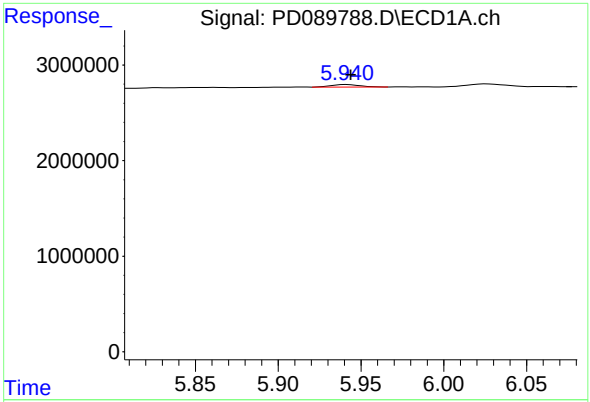
#24 Chlordane-2

R.T.: 5.249 min
Delta R.T.: 0.011 min
Response: 347666
Conc: 2.05 ng/ml



#24 Chlordane-2

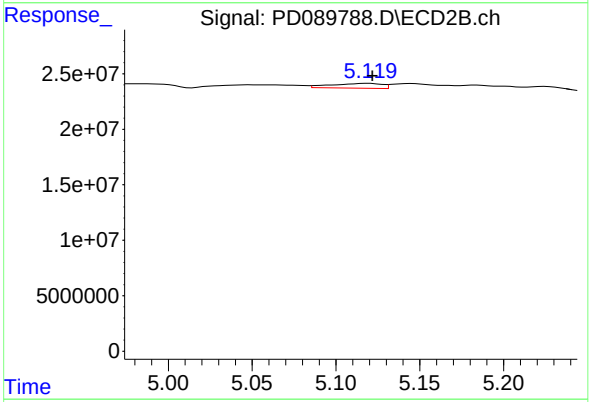
R.T.: 4.485 min
Delta R.T.: 0.001 min
Response: 5181077
Conc: 6.78 ng/ml



#25 Chlordane-3

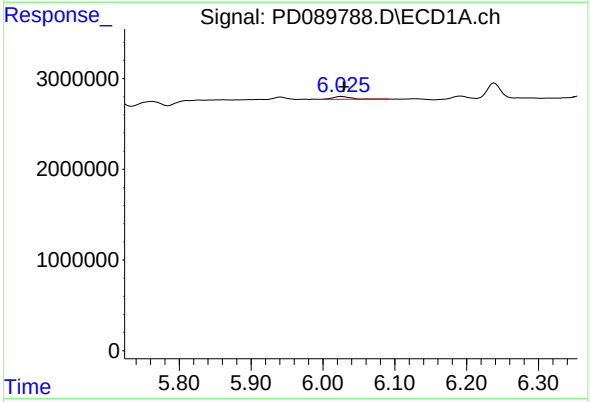
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 311013
Conc: 0.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



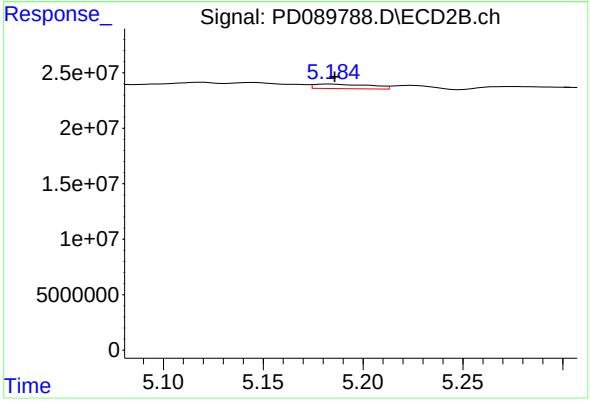
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 9076379
Conc: 3.92 ng/ml



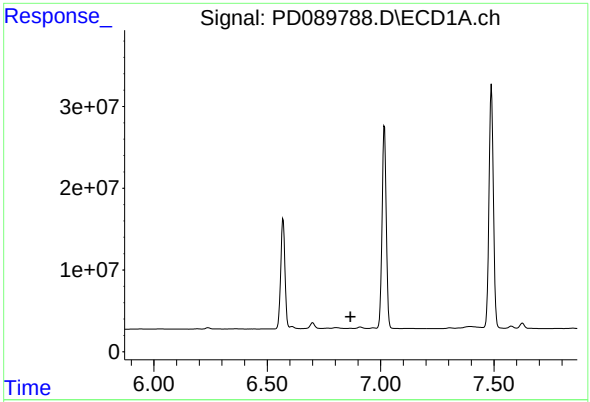
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 516574
Conc: 0.62 ng/ml



#26 Chlordane-4

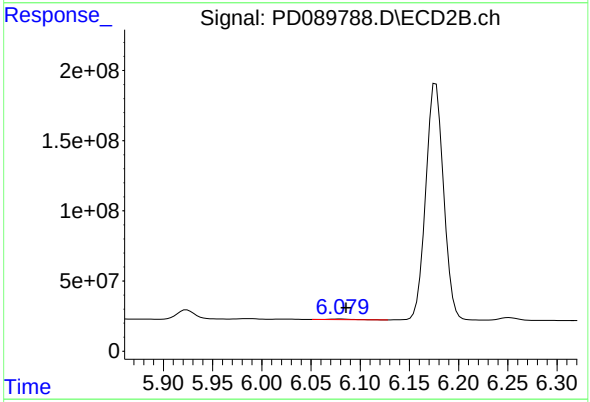
R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 7915341
Conc: 3.98 ng/ml



#27 Chlordane-5

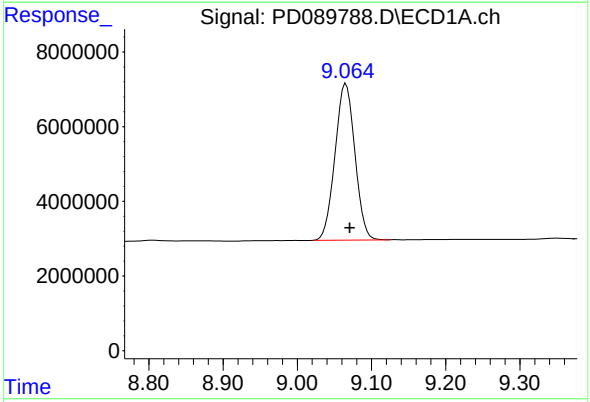
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



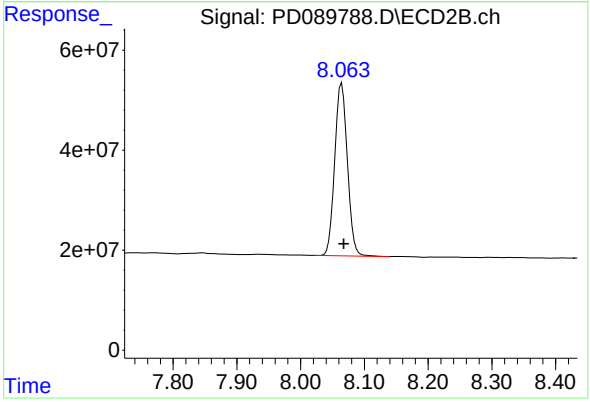
#27 Chlordane-5

R.T.: 6.080 min
Delta R.T.: -0.005 min
Response: 6566075
Conc: 7.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.005 min
Response: 78072148
Conc: 21.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 477413285
Conc: 23.78 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:17
Operator : AR\AJ
Sample : Q2747-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	20466624	172.4E6	8.298	10.888	#
28)	SA Decachlor...	9.066	8.065	38997525	245.9E6	10.494	12.249	
	Target Compounds							
2)	A alpha-BHC	0.000	3.397	0	15348199	N.D.	0.631	#
3)	MA gamma-BHC...	0.000	3.721	0	5787184	N.D.	0.257	#
4)	MA Heptachlor	4.950f	4.084	6347952	28194775	1.319	1.215	
5)	MB Aldrin	5.292f	4.366	513919	3748665	0.113	0.168	#
6)	B beta-BHC	4.533f	4.025	223789	9267689	0.121	0.960	#
7)	B delta-BHC	4.775	4.267	1775130	5628700	0.387	0.248	#
8)	B Heptachlo...	5.678	4.867	16781893	13439023	4.014	0.654	#
10)	B gamma-Chl...	5.942	5.121	12385096	77057199	2.964	3.559	
11)	B alpha-Chl...	6.026	5.184	27531926	221.3E6	6.549	10.628	#
12)	B 4,4'-DDE	6.191	5.369	21309279	192.2E6	5.713	9.091	#
13)	MA Dieldrin	6.341	5.503	471476	60128199	0.112	2.779	#
14)	MA Endrin	6.570	5.789	6921606	356.8E6	1.935	17.905	#
15)	B Endosulfa...	6.790	6.083	1791584	15976552	0.488	0.850	#
16)	A 4,4'-DDD	6.717	5.923	17061741	12059739	5.697	0.684	#
17)	MA 4,4'-DDT	7.015	6.174	2295248	46548241	0.683	2.534	#
18)	B Endrin al...	6.926	6.275f	436294	5565631	0.175	0.431	#
19)	B Endosulfa...	7.138	6.474	216907	6957031	0.063	0.375	#
20)	A Methoxychlor	7.488	6.730f	437578	22431188	0.245	2.290	#
21)	B Endrin ke...	7.612f	7.017f	1139116	1399430	0.307	0.070	#
22)	Mirex	8.114	7.176	110203	4959087	0.040	0.326	#
23)	Chlordane-1	4.710	3.900	2012012	50465928	12.080	68.999	#
24)	Chlordane-2	5.233	4.487	4799624	130.2E6	28.246	170.278	#
25)	Chlordane-3	5.942	5.121	12385096	77057199	18.059	33.296	#
26)	Chlordane-4	6.026	5.184	27531926	221.3E6	32.889	111.234	#
27)	Chlordane-5	6.867	6.083	937023	15976552	6.495	17.659	#

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

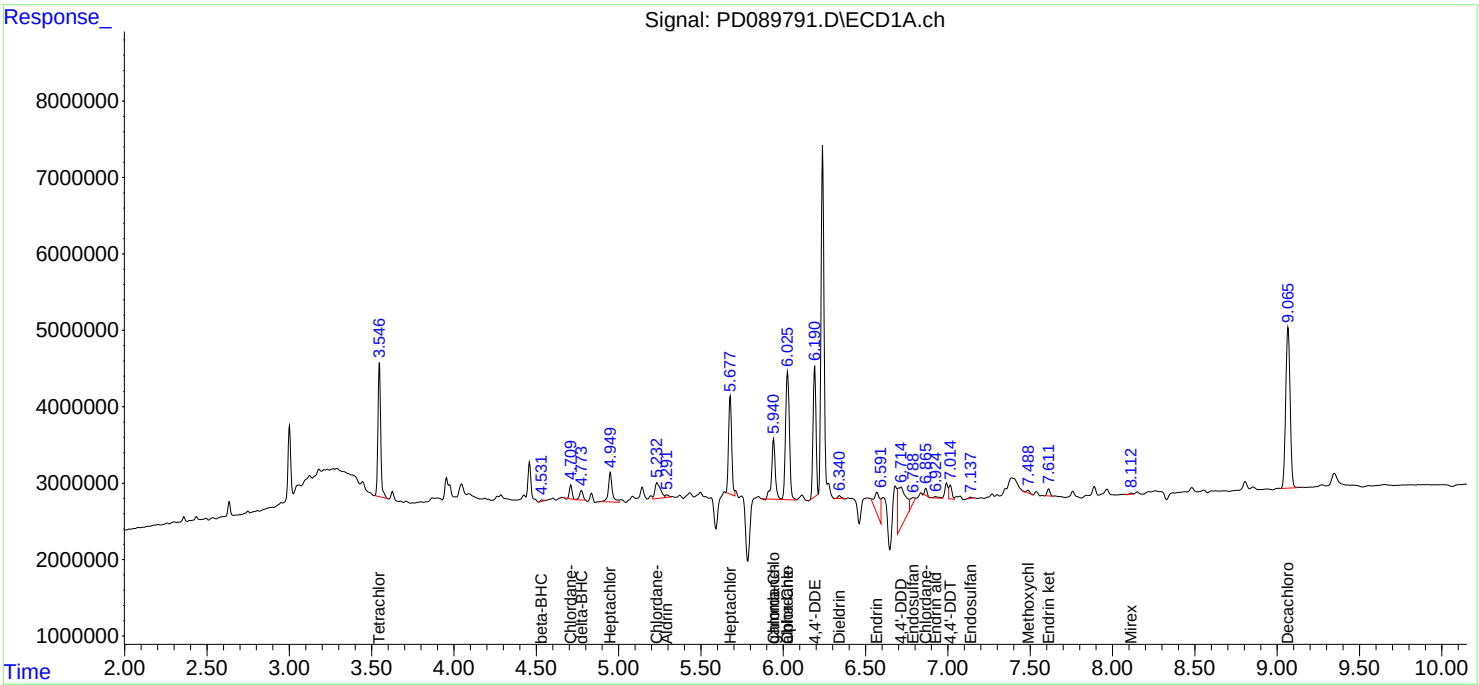
Quantitation Report (Not Reviewed)

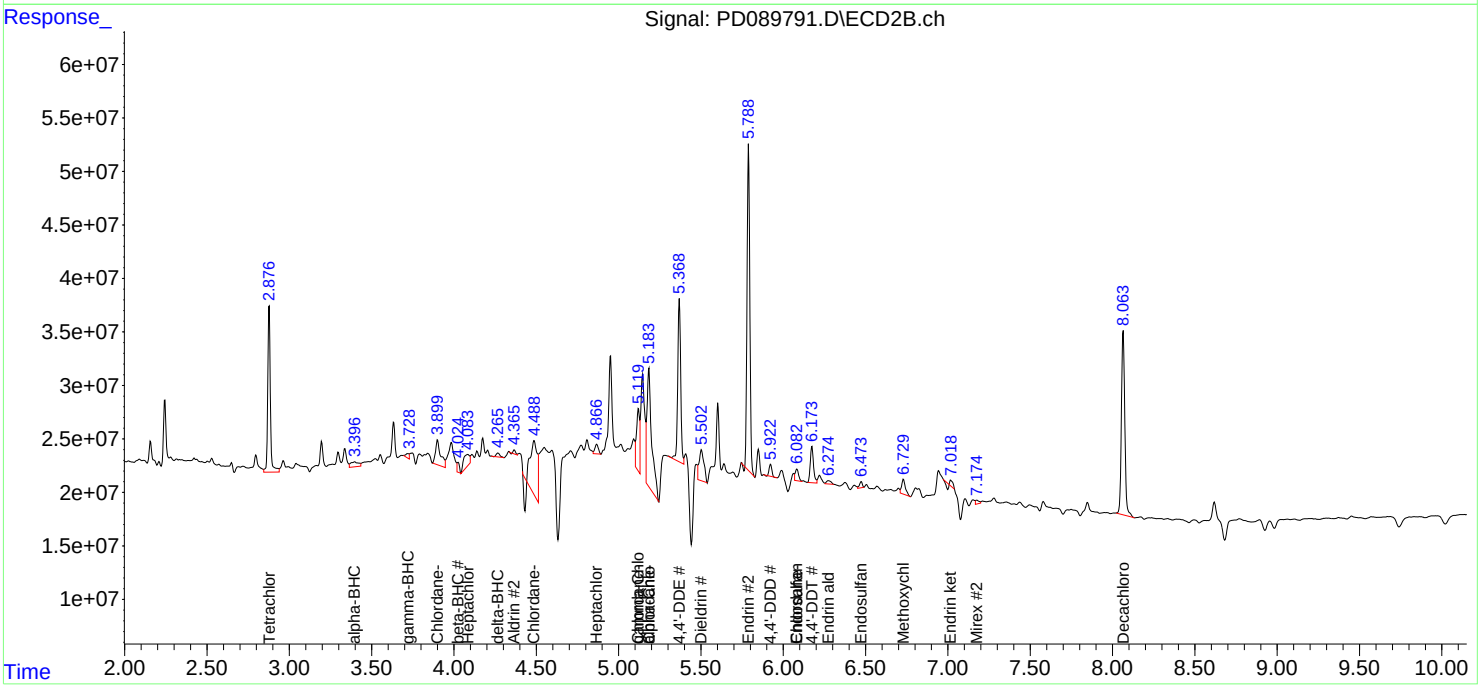
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:17
Operator : AR\AJ
Sample : Q2747-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

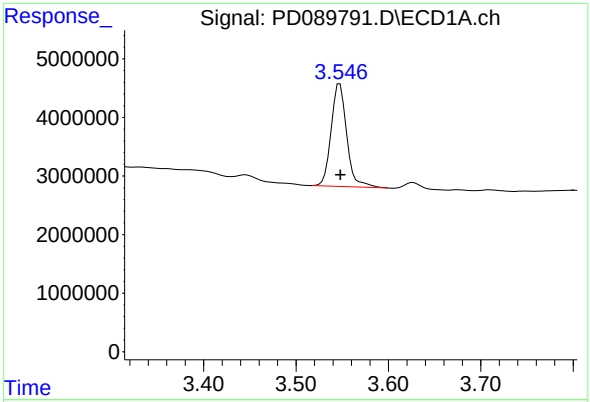
Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:14:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



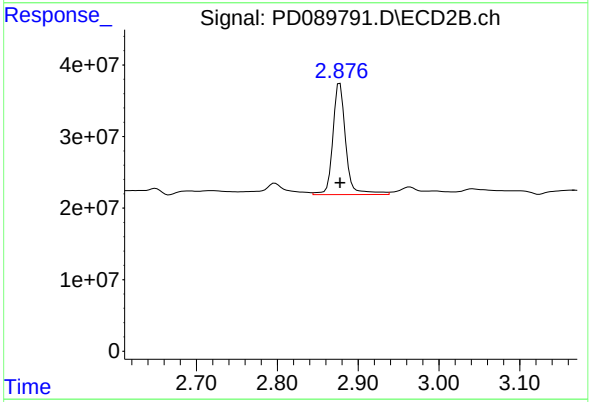




#1 Tetrachloro-m-xylene

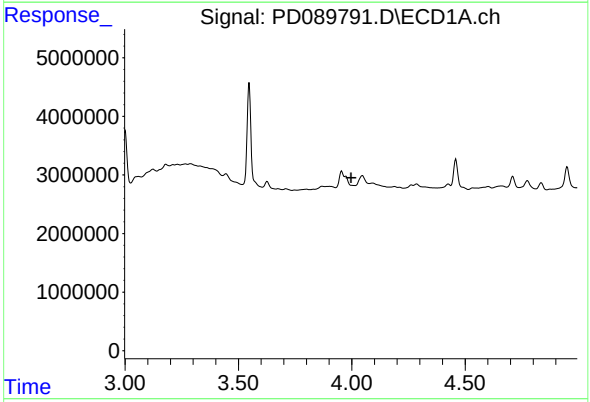
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 20466624
Conc: 8.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



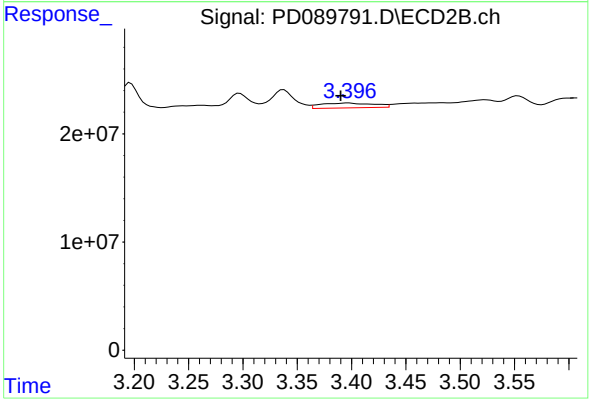
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 172448776
Conc: 10.89 ng/ml



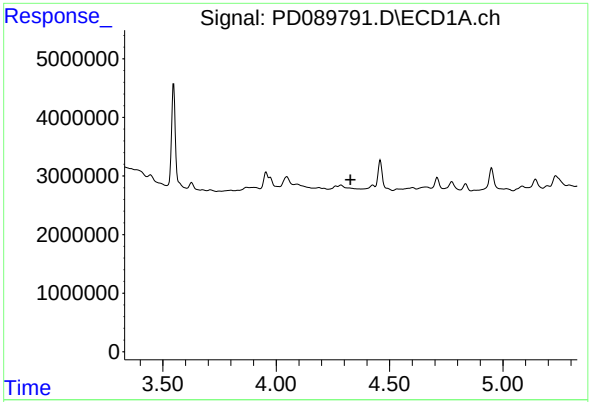
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

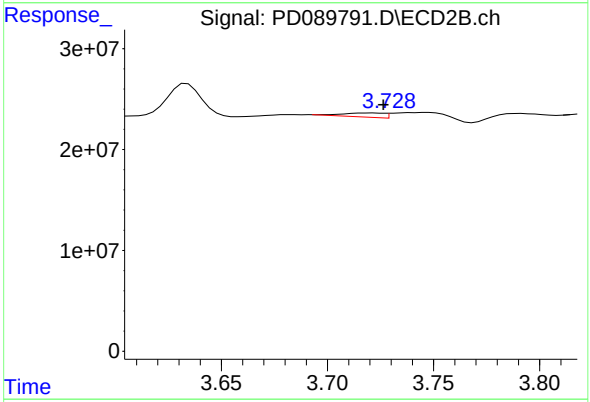
R.T.: 3.397 min
Delta R.T.: 0.007 min
Response: 15348199
Conc: 0.63 ng/ml



#3 gamma-BHC (Lindane)

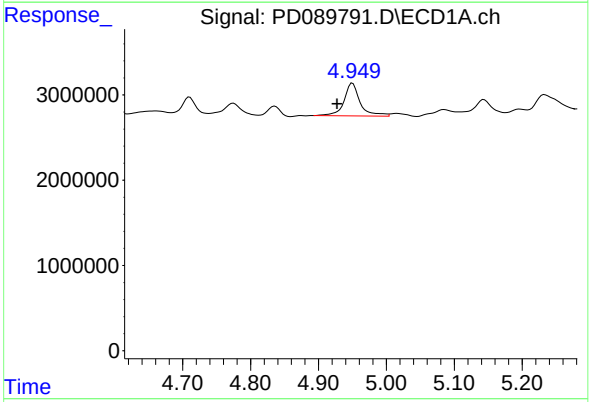
R.T.: 0.000 min
Exp R.T. : 4.328 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



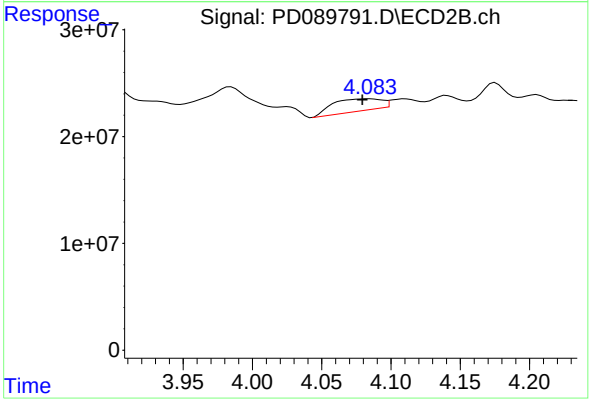
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.006 min
Response: 5787184
Conc: 0.26 ng/ml



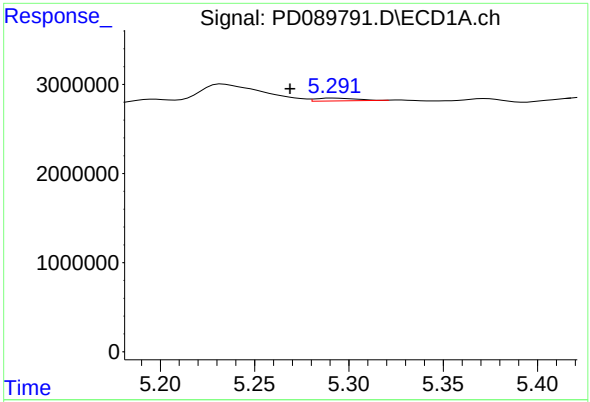
#4 Heptachlor

R.T.: 4.950 min
Delta R.T.: 0.023 min
Response: 6347952
Conc: 1.32 ng/ml



#4 Heptachlor

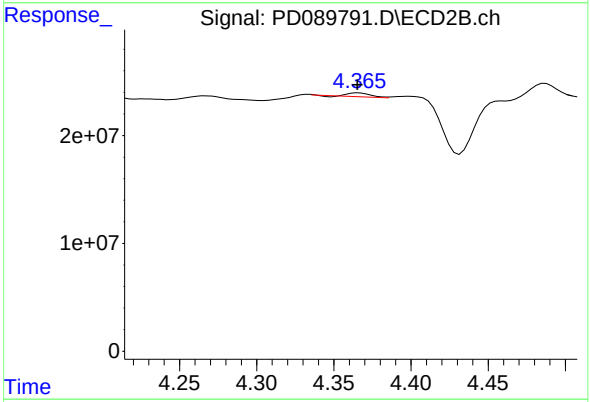
R.T.: 4.084 min
Delta R.T.: 0.005 min
Response: 28194775
Conc: 1.21 ng/ml



#5 Aldrin

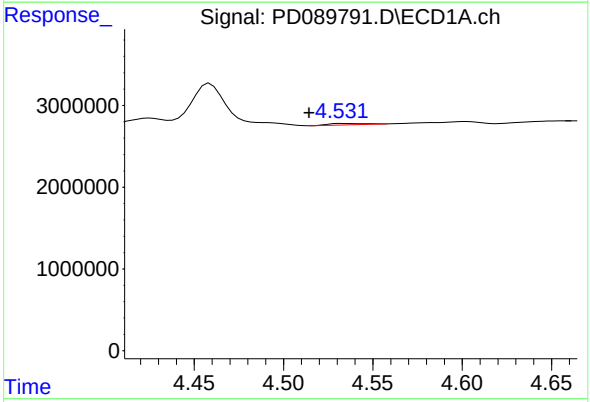
R.T.: 5.292 min
Delta R.T.: 0.024 min
Response: 513919
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



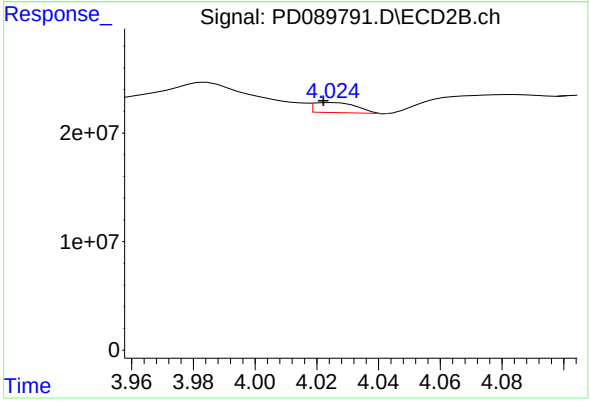
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.001 min
Response: 3748665
Conc: 0.17 ng/ml



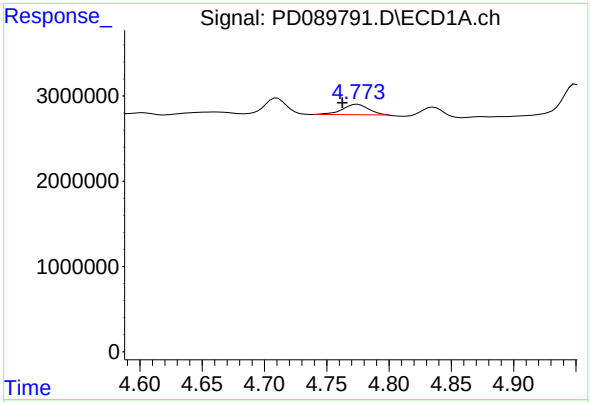
#6 beta-BHC

R.T.: 4.533 min
Delta R.T.: 0.019 min
Response: 223789
Conc: 0.12 ng/ml



#6 beta-BHC

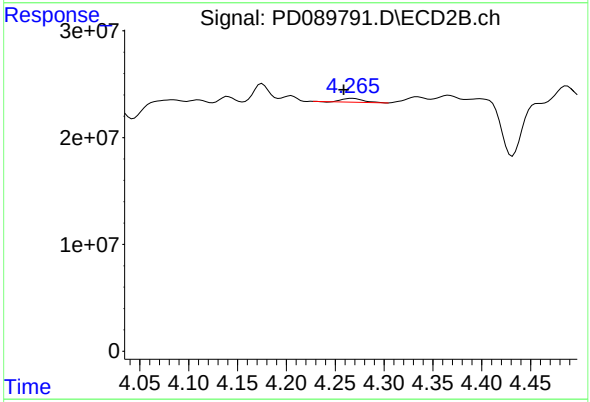
R.T.: 4.025 min
Delta R.T.: 0.003 min
Response: 9267689
Conc: 0.96 ng/ml



#7 delta-BHC

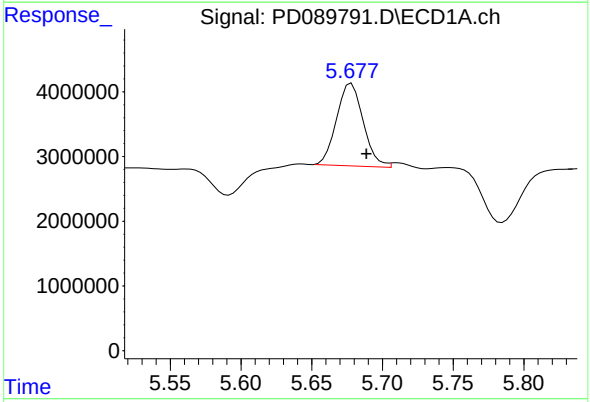
R.T.: 4.775 min
Delta R.T.: 0.012 min
Response: 1775130
Conc: 0.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



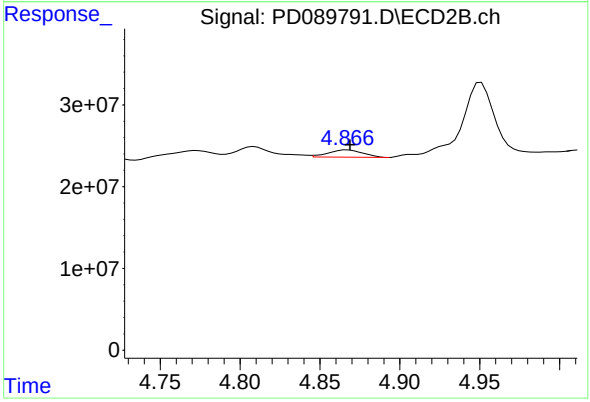
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.008 min
Response: 5628700
Conc: 0.25 ng/ml



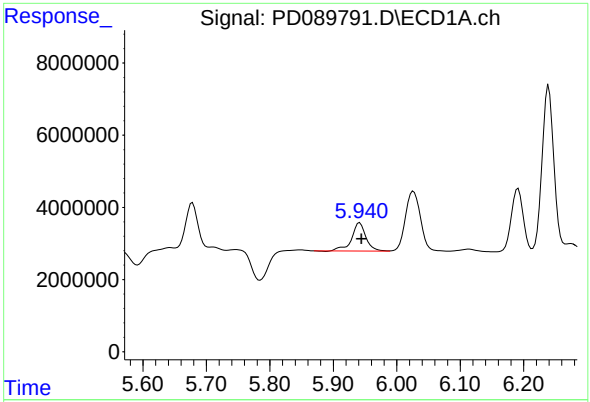
#8 Heptachlor epoxide

R.T.: 5.678 min
Delta R.T.: -0.011 min
Response: 16781893
Conc: 4.01 ng/ml



#8 Heptachlor epoxide

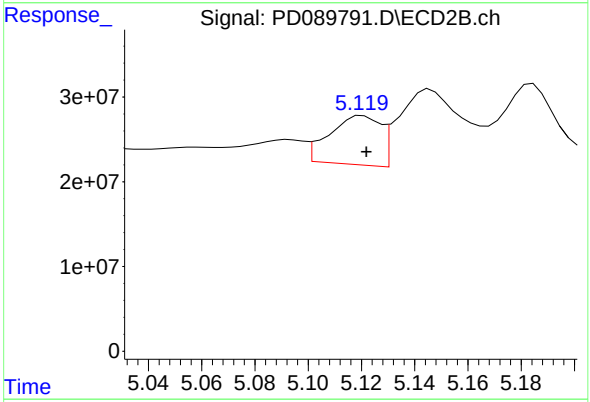
R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 13439023
Conc: 0.65 ng/ml



#10 gamma-Chlordane

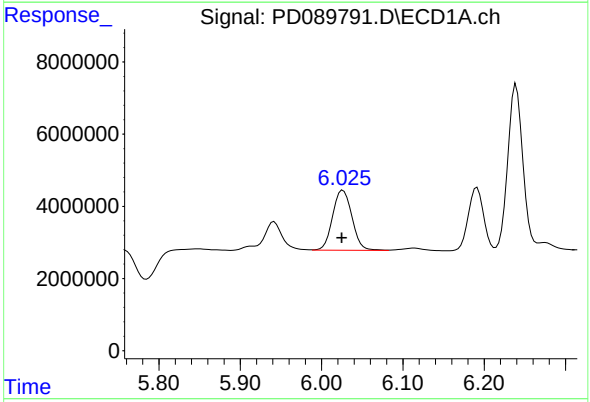
R.T.: 5.942 min
Delta R.T.: -0.003 min
Response: 12385096
Conc: 2.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



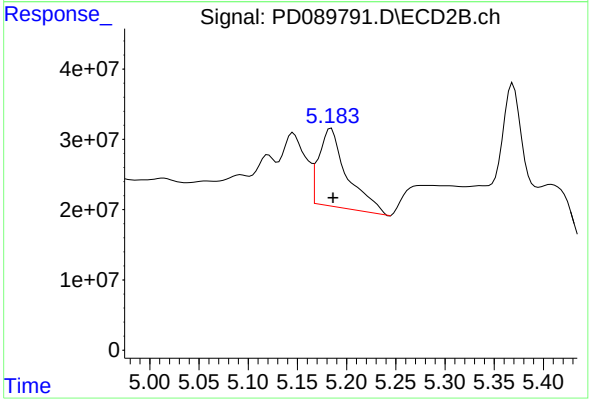
#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 77057199
Conc: 3.56 ng/ml



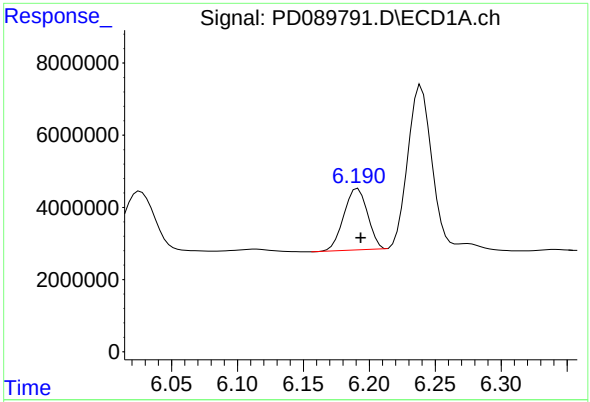
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 27531926
Conc: 6.55 ng/ml



#11 alpha-Chlordane

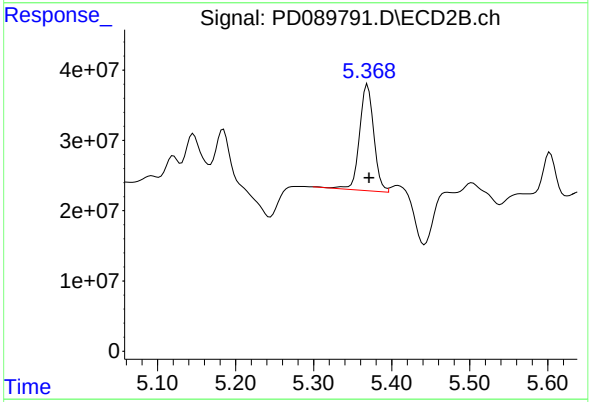
R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 221304927
Conc: 10.63 ng/ml



#12 4,4'-DDE

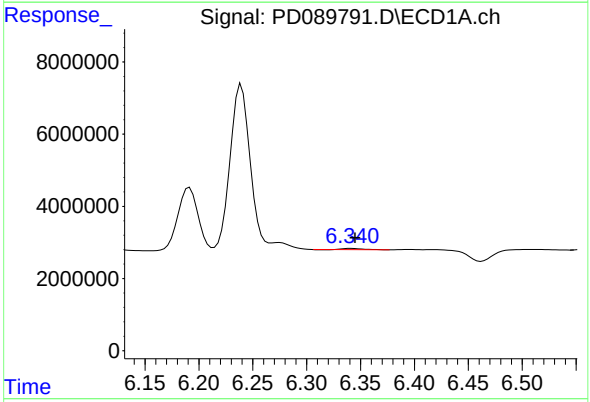
R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 21309279
Conc: 5.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



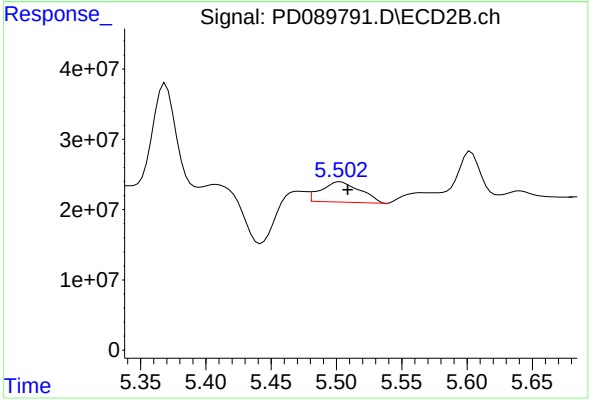
#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 192159143
Conc: 9.09 ng/ml



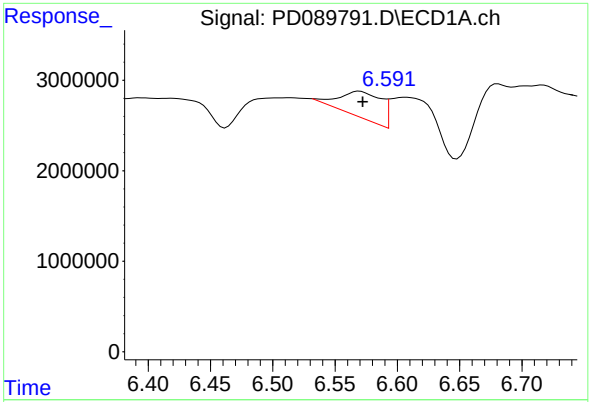
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.004 min
Response: 471476
Conc: 0.11 ng/ml



#13 Dieldrin

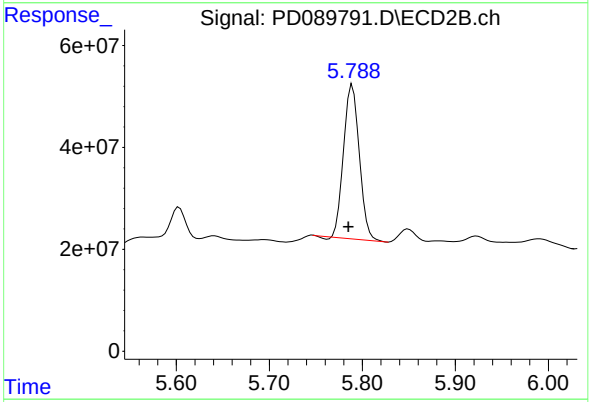
R.T.: 5.503 min
Delta R.T.: -0.006 min
Response: 60128199
Conc: 2.78 ng/ml



#14 Endrin

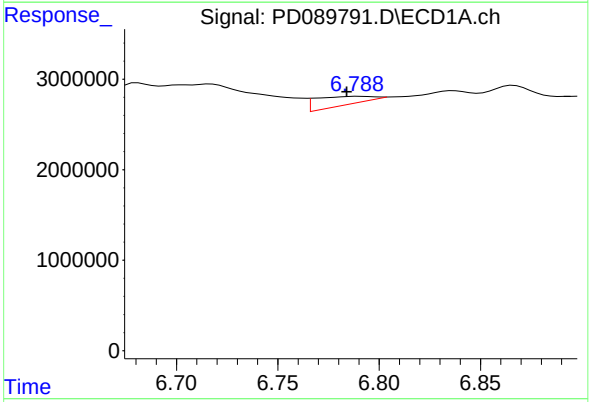
R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 6921606
Conc: 1.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



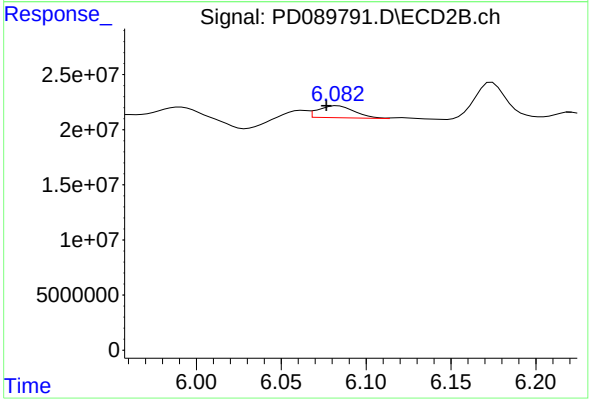
#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.004 min
Response: 356763910
Conc: 17.91 ng/ml



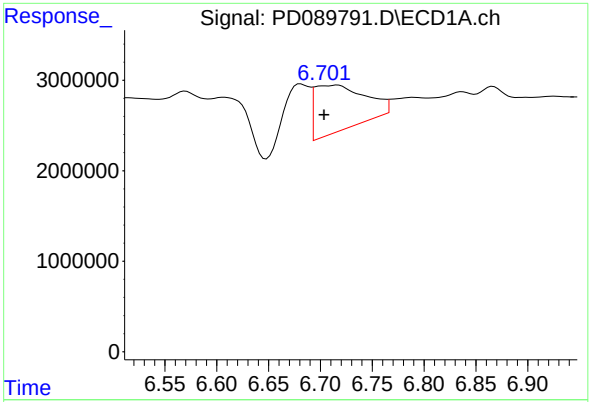
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: 0.006 min
Response: 1791584
Conc: 0.49 ng/ml



#15 Endosulfan II

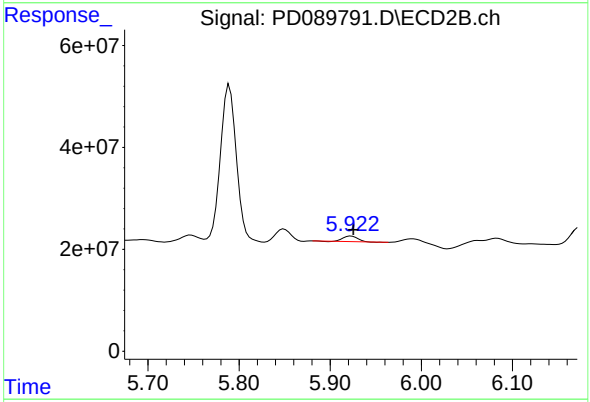
R.T.: 6.083 min
Delta R.T.: 0.006 min
Response: 15976552
Conc: 0.85 ng/ml



#16 4,4'-DDD

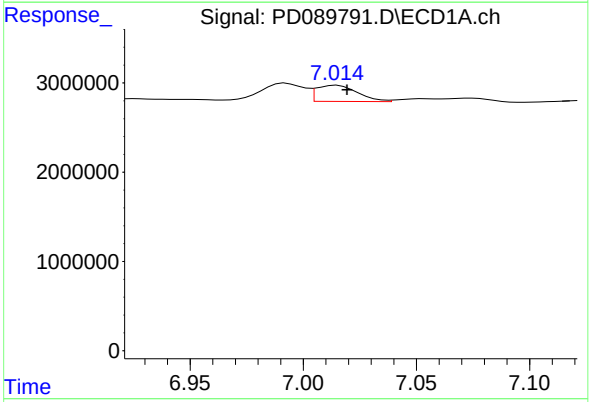
R.T.: 6.717 min
Delta R.T.: 0.013 min
Response: 17061741
Conc: 5.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



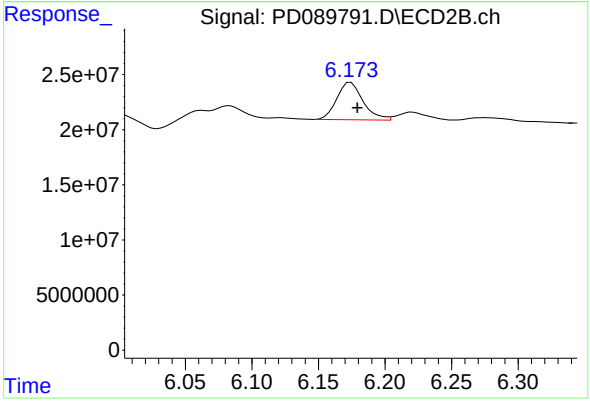
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 12059739
Conc: 0.68 ng/ml



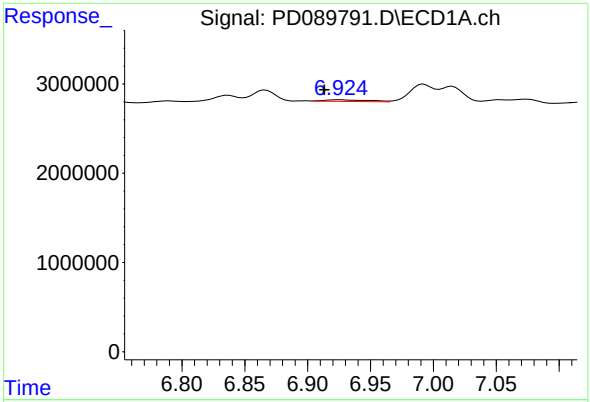
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 2295248
Conc: 0.68 ng/ml



#17 4,4'-DDT

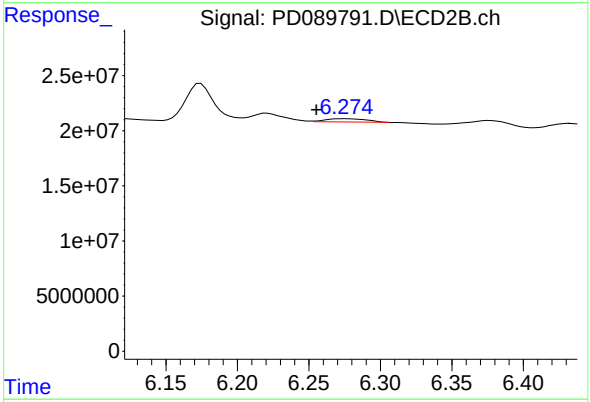
R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 46548241
Conc: 2.53 ng/ml



#18 Endrin aldehyde

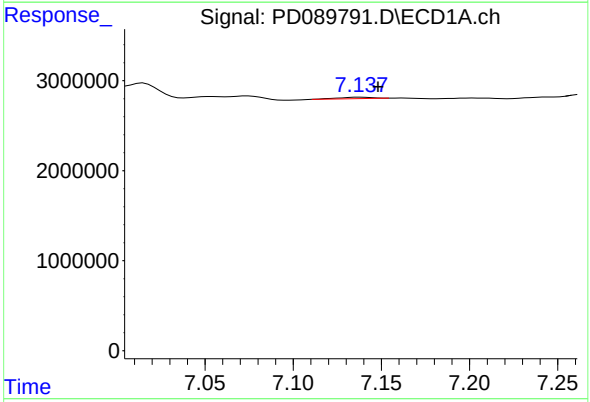
R.T.: 6.926 min
Delta R.T.: 0.012 min
Response: 436294
Conc: 0.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



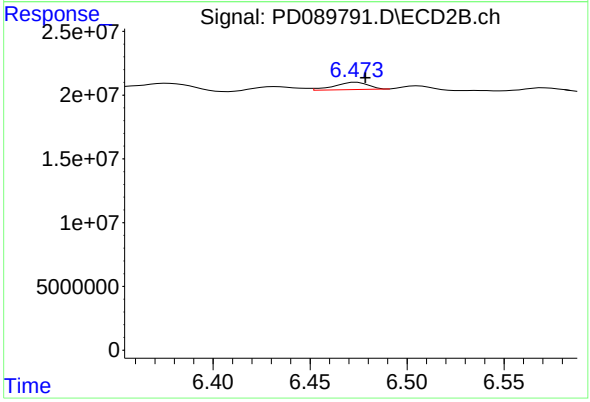
#18 Endrin aldehyde

R.T.: 6.275 min
Delta R.T.: 0.019 min
Response: 5565631
Conc: 0.43 ng/ml



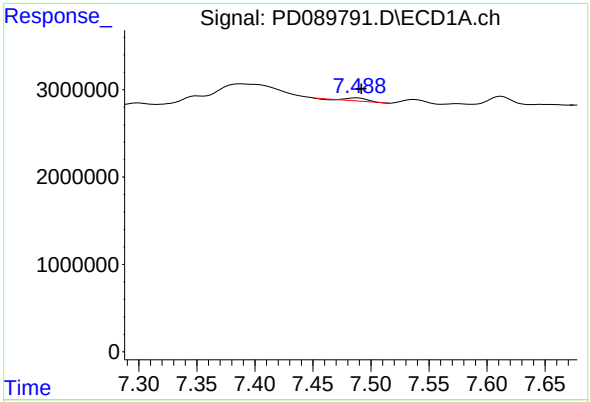
#19 Endosulfan Sulfate

R.T.: 7.138 min
Delta R.T.: -0.010 min
Response: 216907
Conc: 0.06 ng/ml



#19 Endosulfan Sulfate

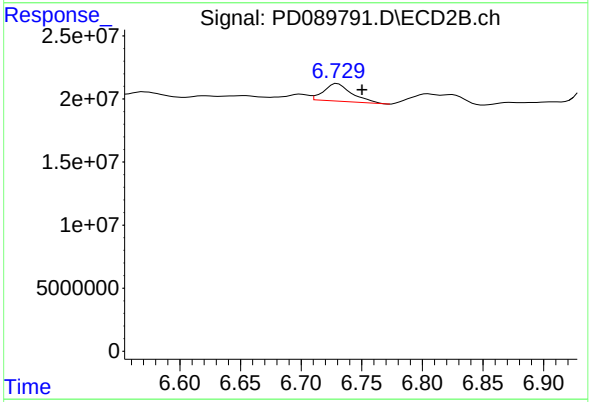
R.T.: 6.474 min
Delta R.T.: -0.004 min
Response: 6957031
Conc: 0.37 ng/ml



#20 Methoxychlor

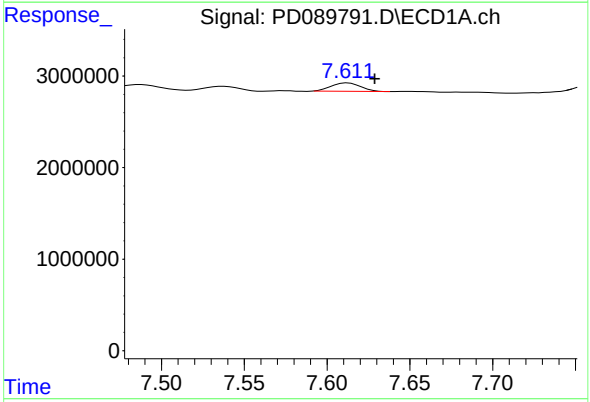
R.T.: 7.488 min
Delta R.T.: -0.004 min
Response: 437578
Conc: 0.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



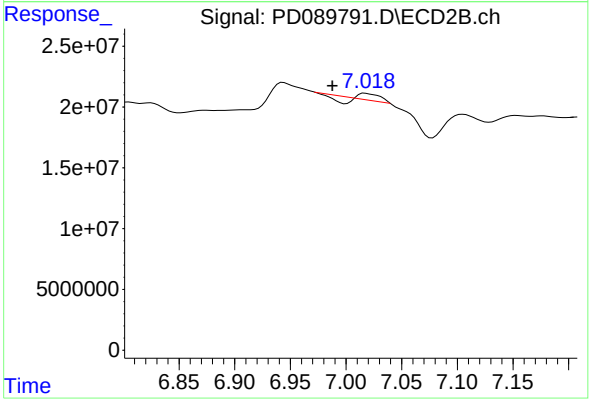
#20 Methoxychlor

R.T.: 6.730 min
Delta R.T.: -0.020 min
Response: 22431188
Conc: 2.29 ng/ml



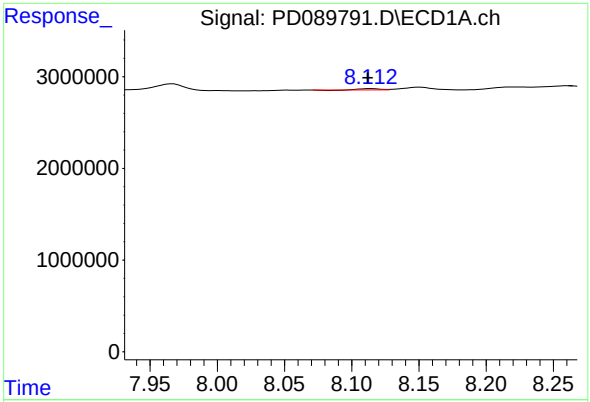
#21 Endrin ketone

R.T.: 7.612 min
Delta R.T.: -0.016 min
Response: 1139116
Conc: 0.31 ng/ml



#21 Endrin ketone

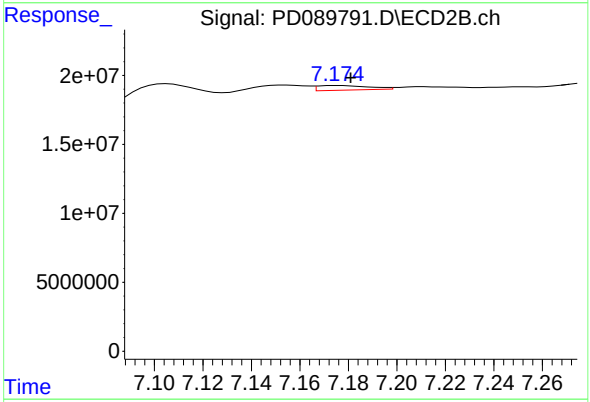
R.T.: 7.017 min
Delta R.T.: 0.030 min
Response: 1399430
Conc: 0.07 ng/ml



#22 Mirex

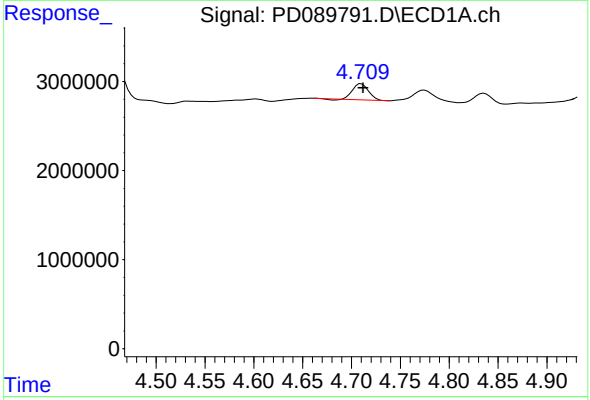
R.T.: 8.114 min
Delta R.T.: 0.002 min
Response: 110203
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



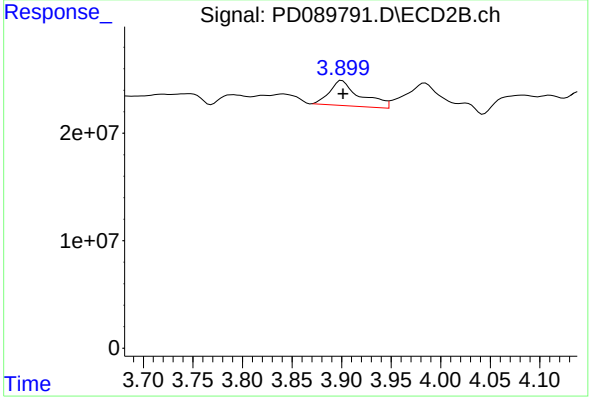
#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.005 min
Response: 4959087
Conc: 0.33 ng/ml



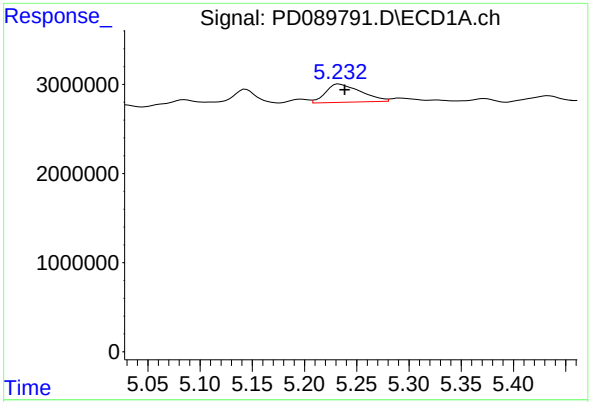
#23 Chlordane-1

R.T.: 4.710 min
Delta R.T.: -0.002 min
Response: 2012012
Conc: 12.08 ng/ml



#23 Chlordane-1

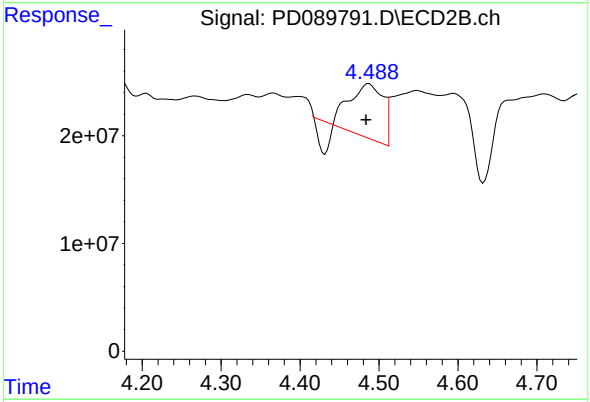
R.T.: 3.900 min
Delta R.T.: -0.001 min
Response: 50465928
Conc: 69.00 ng/ml



#24 Chlordane-2

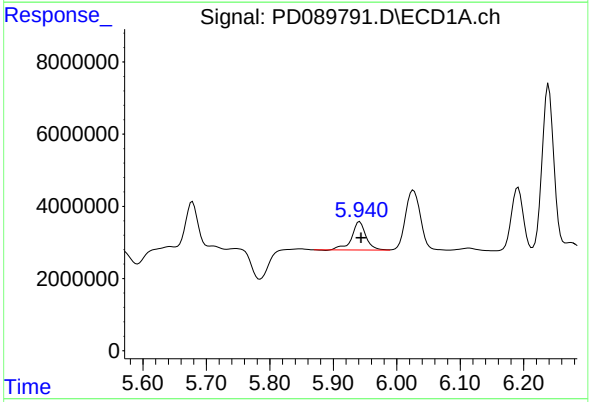
R.T.: 5.233 min
Delta R.T.: -0.005 min
Response: 4799624
Conc: 28.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



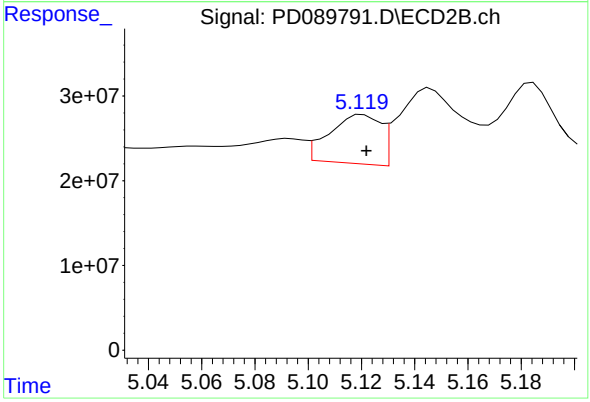
#24 Chlordane-2

R.T.: 4.487 min
Delta R.T.: 0.004 min
Response: 130153869
Conc: 170.28 ng/ml



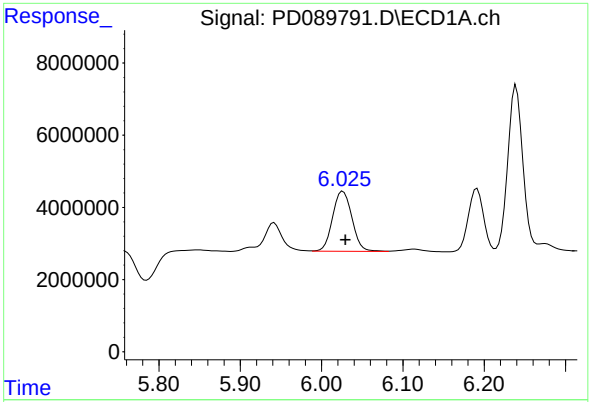
#25 Chlordane-3

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 12385096
Conc: 18.06 ng/ml



#25 Chlordane-3

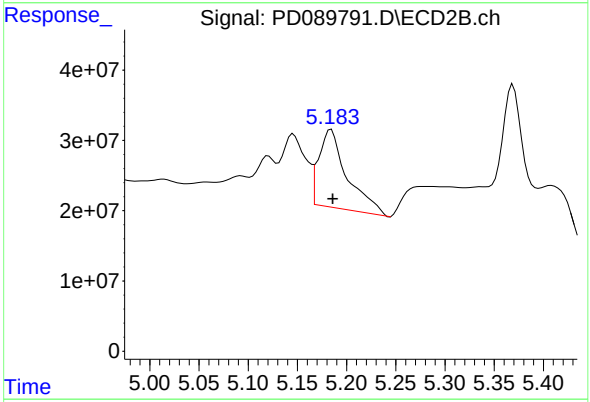
R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 77057199
Conc: 33.30 ng/ml



#26 Chlordane-4

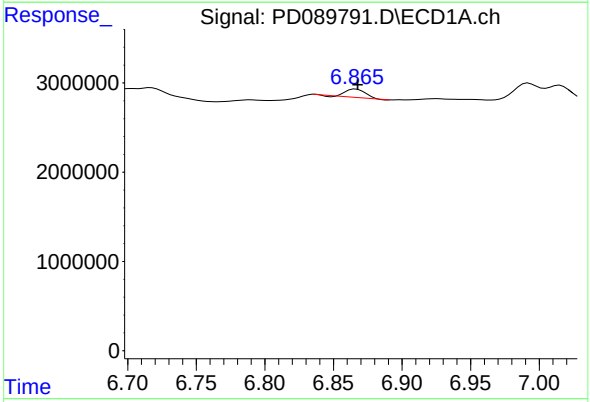
R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 27531926
Conc: 32.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



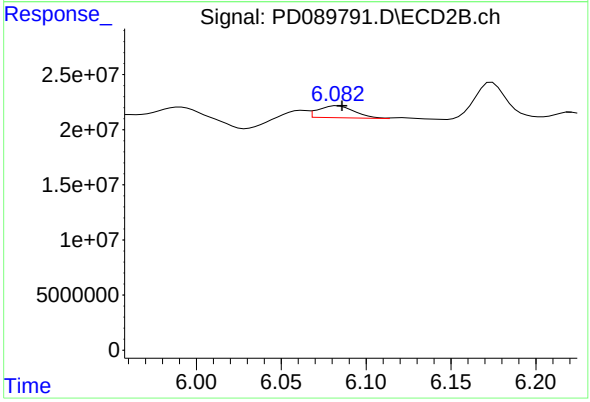
#26 Chlordane-4

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 221304927
Conc: 111.23 ng/ml



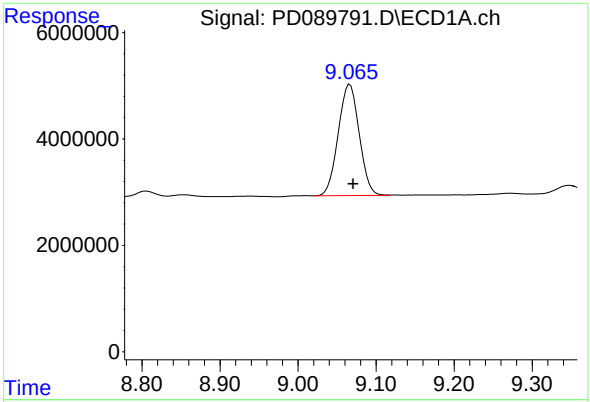
#27 Chlordane-5

R.T.: 6.867 min
Delta R.T.: -0.001 min
Response: 937023
Conc: 6.50 ng/ml



#27 Chlordane-5

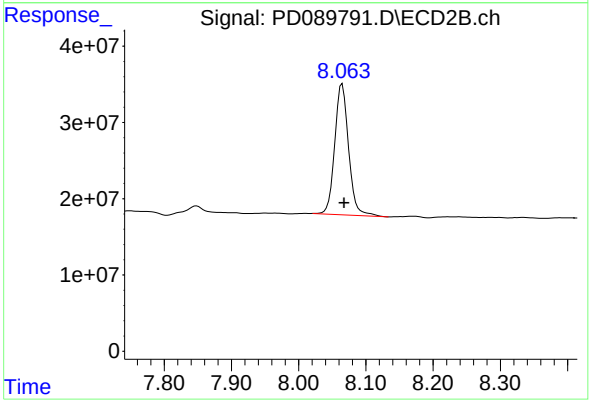
R.T.: 6.083 min
Delta R.T.: -0.003 min
Response: 15976552
Conc: 17.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.004 min
Response: 38997525
Conc: 10.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 245941226
Conc: 12.25 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	66676938	99261210	20.962	20.776
28)	SA Decachlor...	9.017	7.992	50725219	90556842	21.271	20.874
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	48281852	72680702	10.436	10.270
3)	MA gamma-BHC...	4.311	3.666	46672698	68921884	10.551	10.437
6)	B beta-BHC	4.498	3.962	18987747	30564619	10.520	10.835
14)	MA Endrin	6.543	5.710	163.5E6	289.9E6	54.016	53.632
17)	MA 4,4'-DDT	6.990	6.109	314.0E6	562.5E6	109.497	111.208
18)	B Endrin al...	0.000	6.180	0	12998853	N.D.	0.219 #
20)	A Methoxychlor	7.463	6.682	392.3E6	694.1E6	267.202	253.290

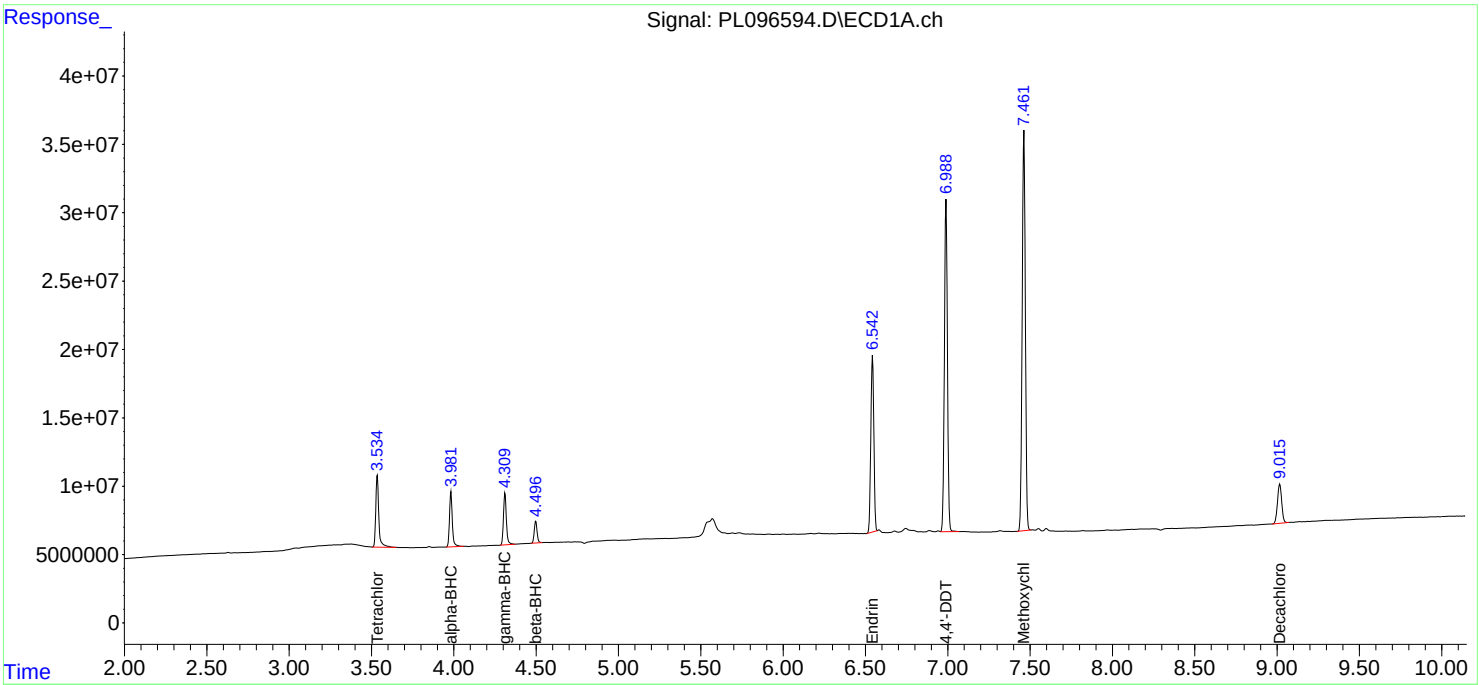
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

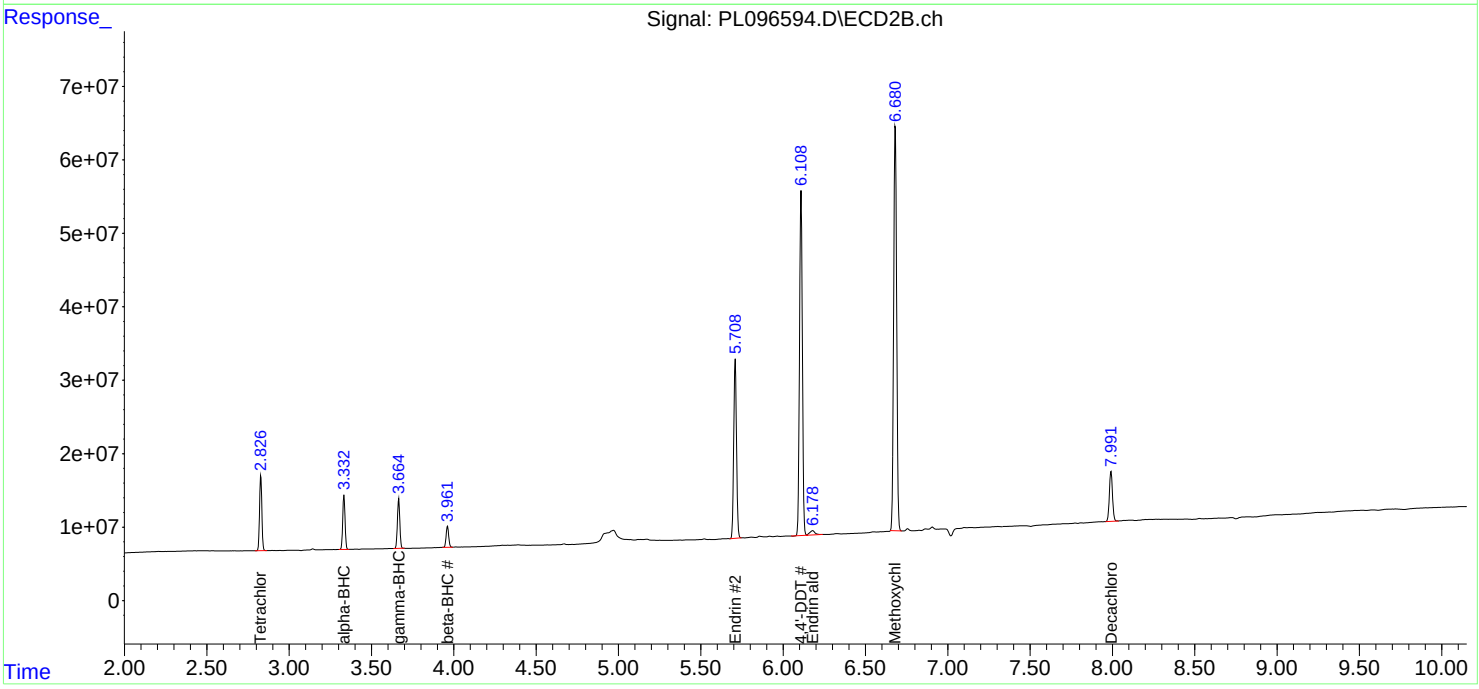
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

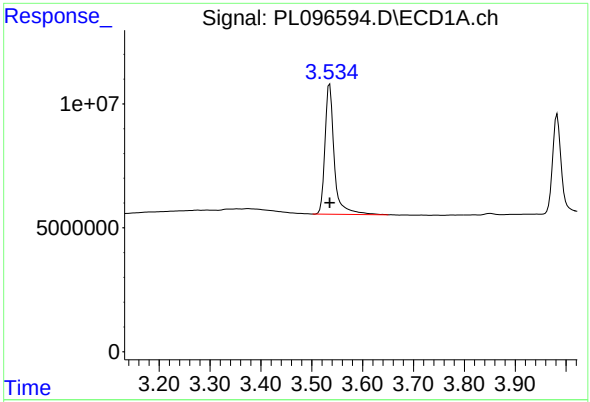
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



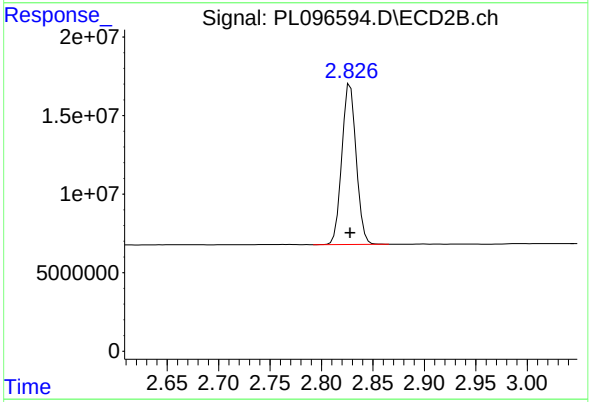




#1 Tetrachloro-m-xylene

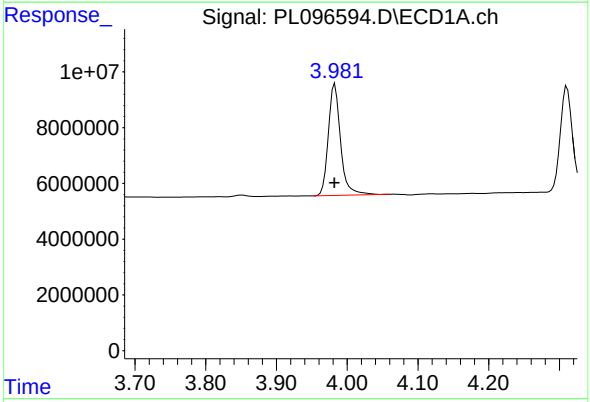
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 66676938
Conc: 20.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



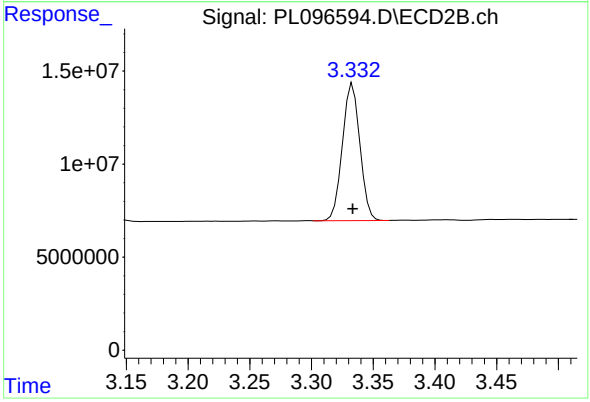
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99261210
Conc: 20.78 ng/ml



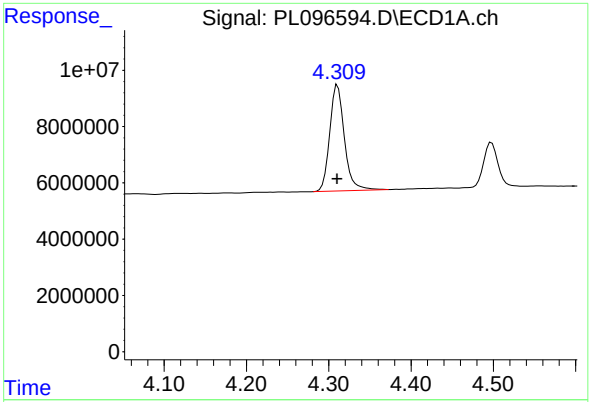
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 48281852
Conc: 10.44 ng/ml



#2 alpha-BHC

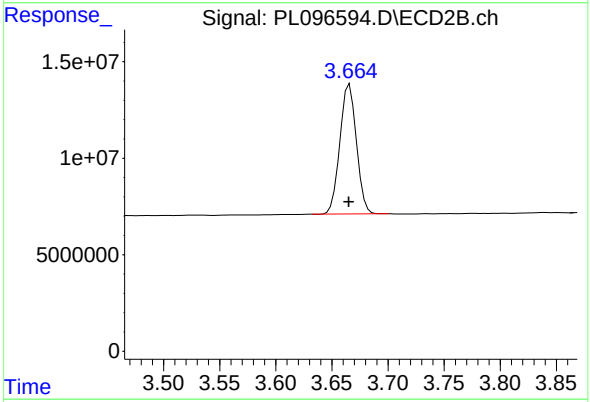
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 72680702
Conc: 10.27 ng/ml



#3 gamma-BHC (Lindane)

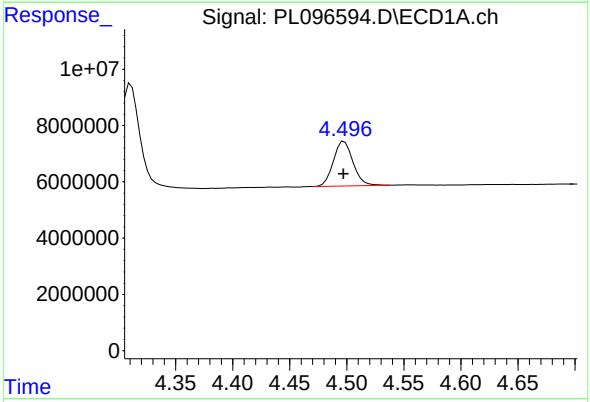
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 46672698
Conc: 10.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



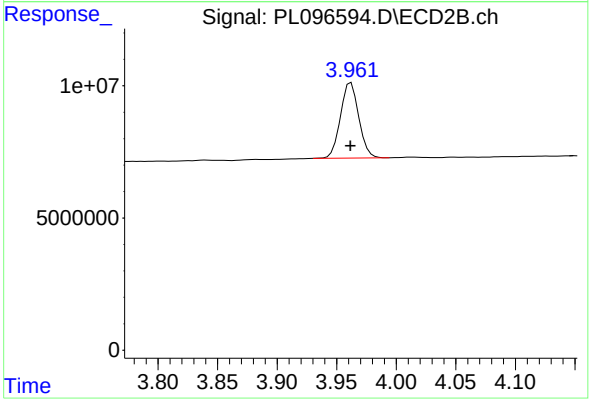
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 68921884
Conc: 10.44 ng/ml



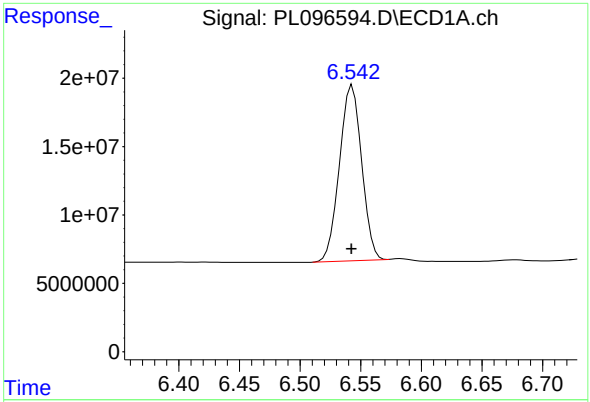
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 18987747
Conc: 10.52 ng/ml



#6 beta-BHC

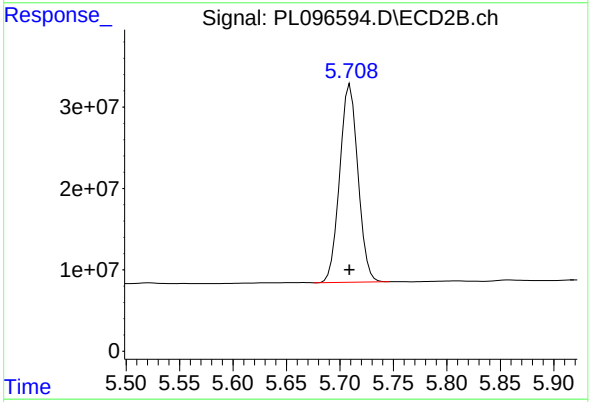
R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 30564619
Conc: 10.84 ng/ml



#14 Endrin

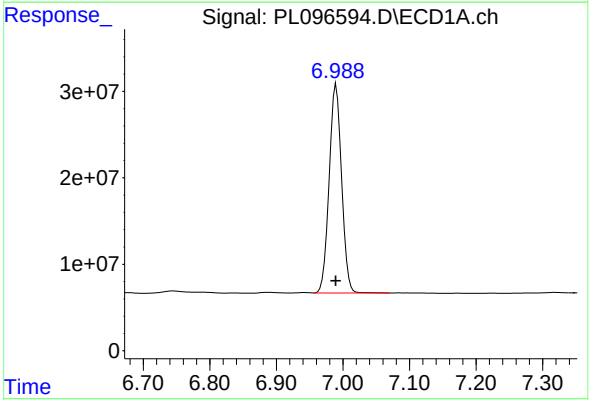
R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 163494961
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



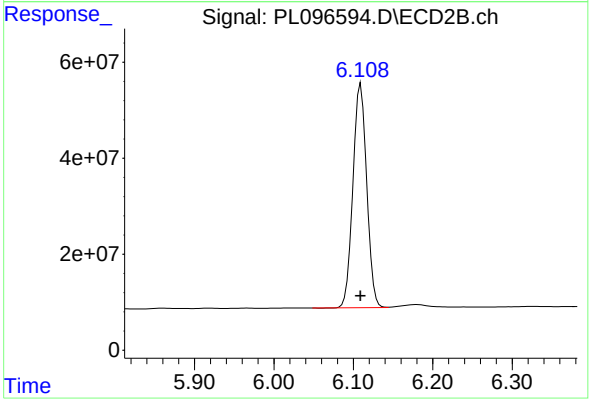
#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 289935231
Conc: 53.63 ng/ml



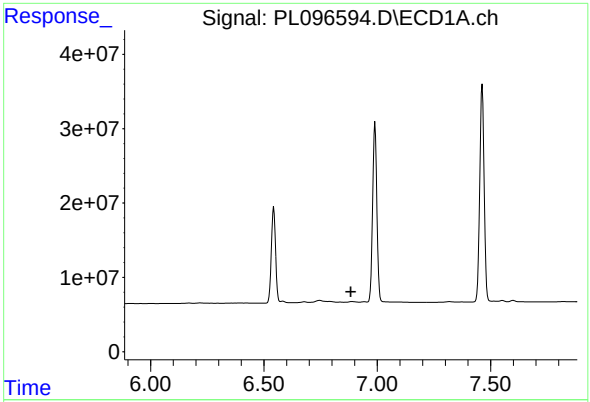
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 314003596
Conc: 109.50 ng/ml



#17 4,4'-DDT

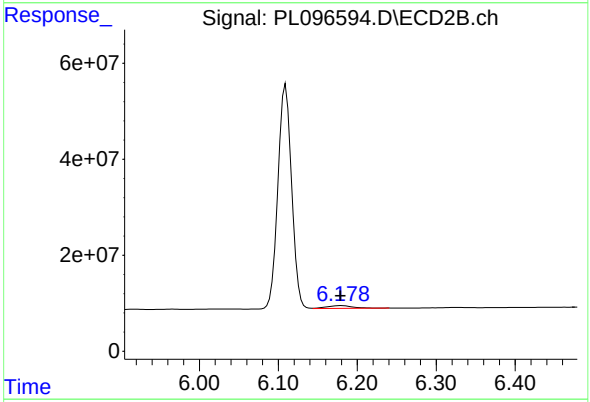
R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 562525716
Conc: 111.21 ng/ml



#18 Endrin aldehyde

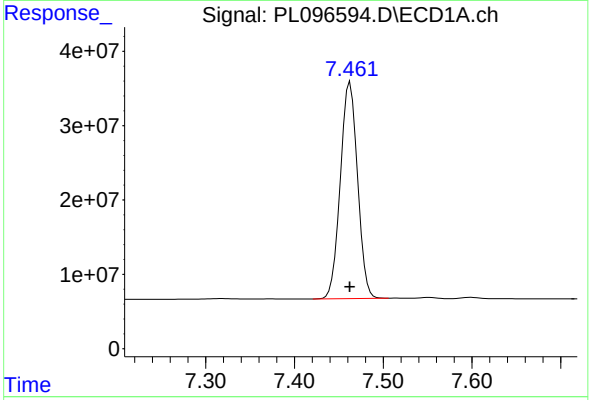
R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



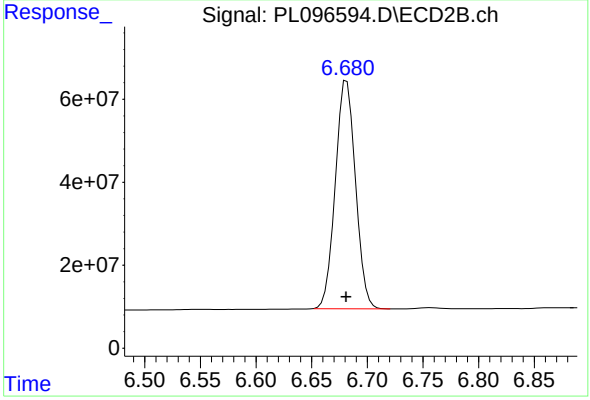
#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.001 min
Response: 12998853
Conc: 0.22 ng/ml



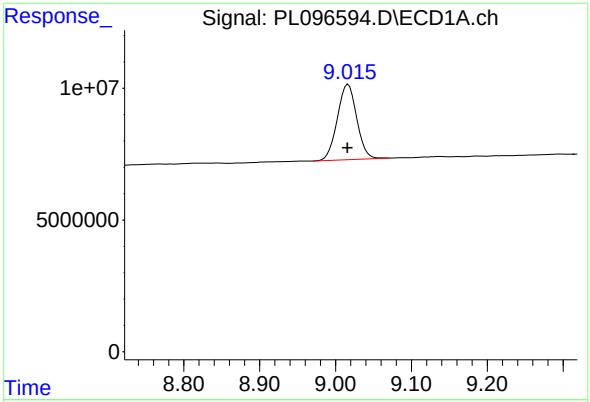
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 392347777
Conc: 267.20 ng/ml



#20 Methoxychlor

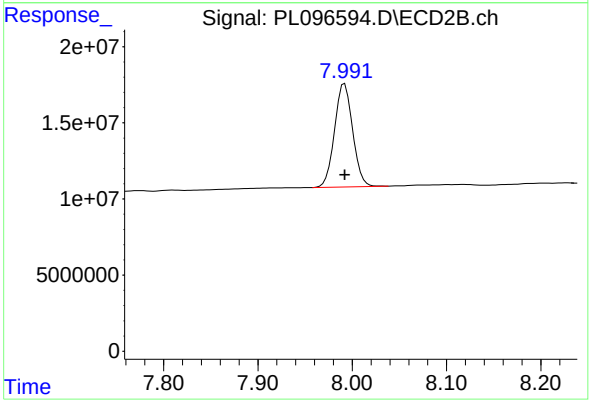
R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 694139453
Conc: 253.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: 0.000 min
Response: 50725219
Conc: 21.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 90556842
Conc: 20.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	53837096	81066871	16.926	16.968
28)	SA Decachlor...	9.016	7.993	41967810	75251539	17.599	17.346
	Target Compounds						
9)	A Endosulfan I	6.045	5.170	28022040	48036256	7.792	8.684
10)	B gamma-Chl...	5.916	5.052	31638592	48929496	8.314	8.321
12)	B 4,4'-DDE	6.166	5.304	54660848	96001382	17.022	17.409
13)	MA Dieldrin	6.316	5.435	63095073	99918926	17.001	16.917
19)	B Endosulfa...	7.118	6.403	50325612	88476396	17.513	17.395
20)	A Methoxychlor	7.463	6.682	128.9E6	238.4E6	87.784	87.000
21)	B Endrin ke...	7.598	6.907	51693529	95186865	17.193	17.090
25)	Chlordane-3	5.916	5.052	31638592	48929496	47.368	70.372 #

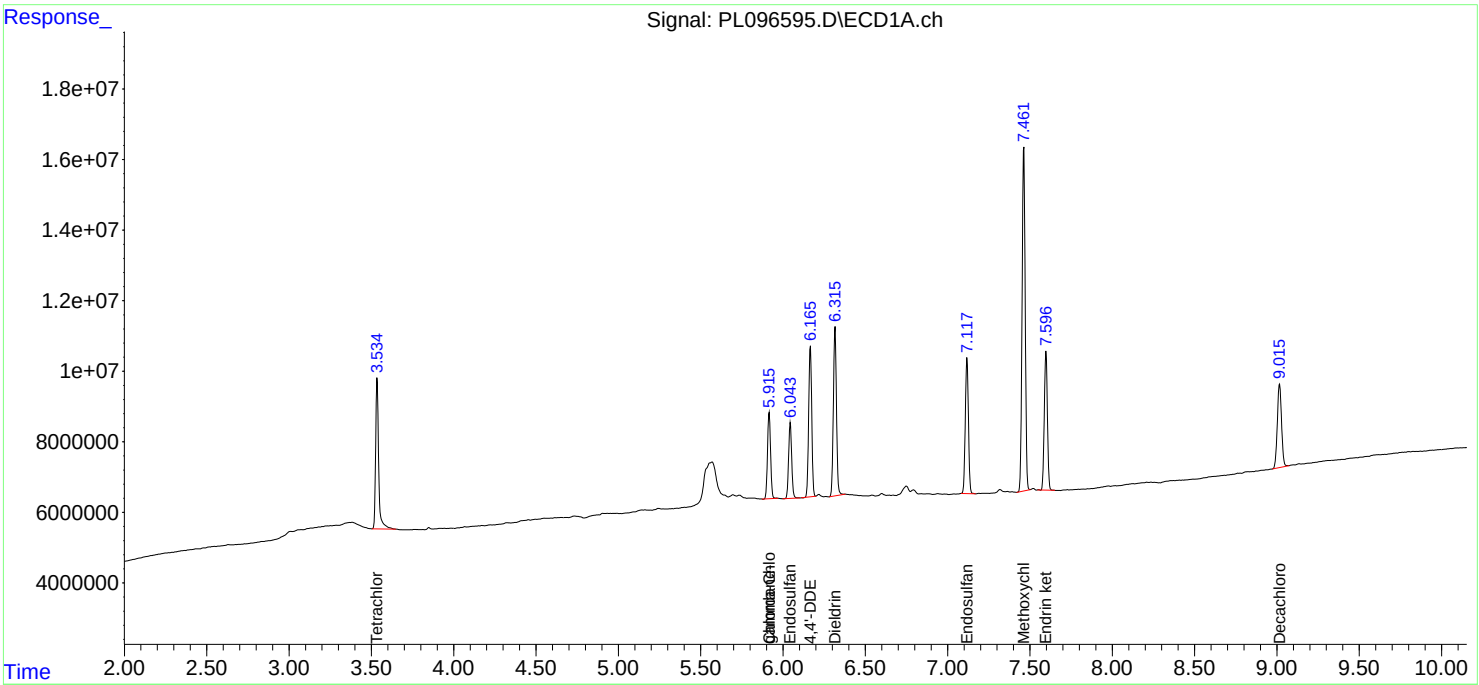
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

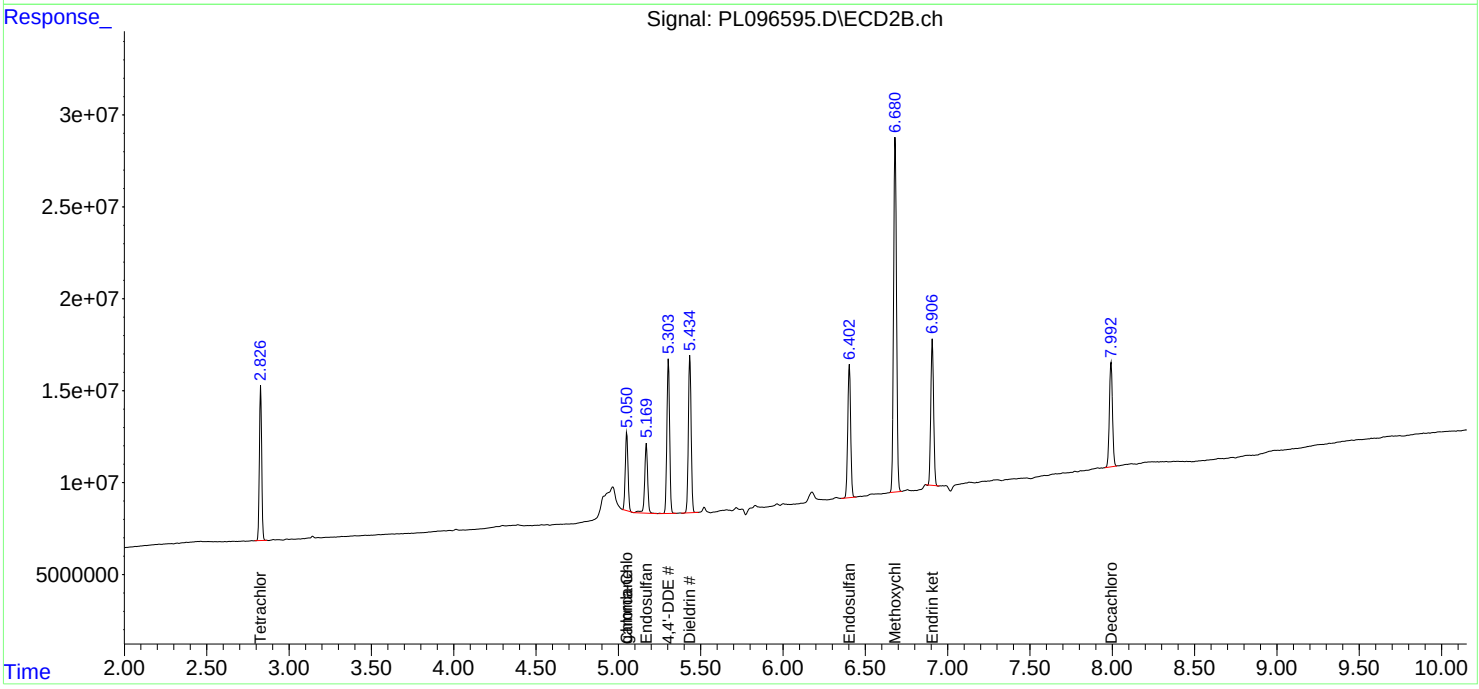
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

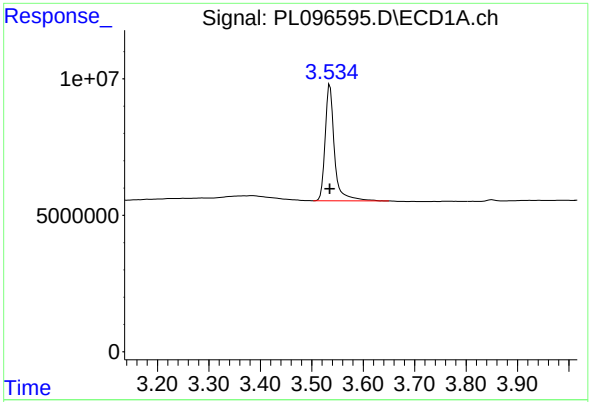
Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



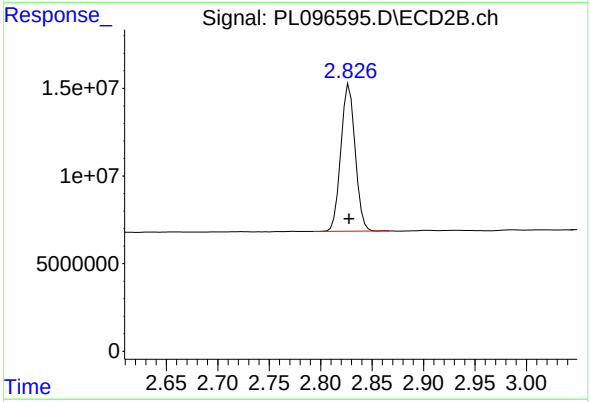




#1 Tetrachloro-m-xylene

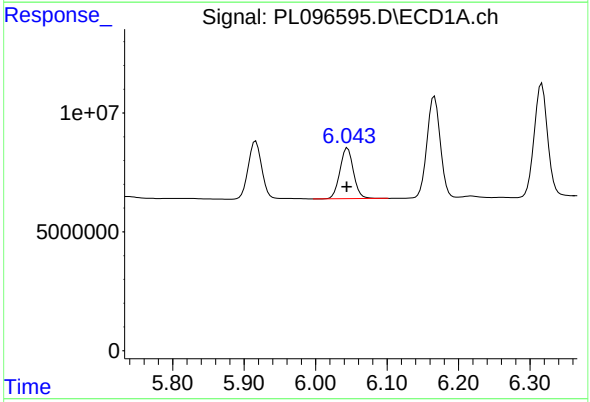
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 53837096
Conc: 16.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



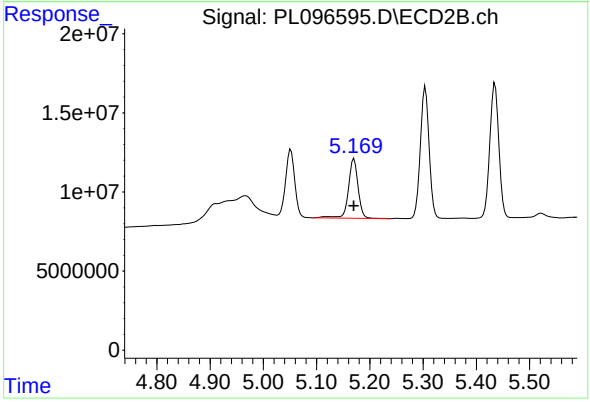
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 81066871
Conc: 16.97 ng/ml



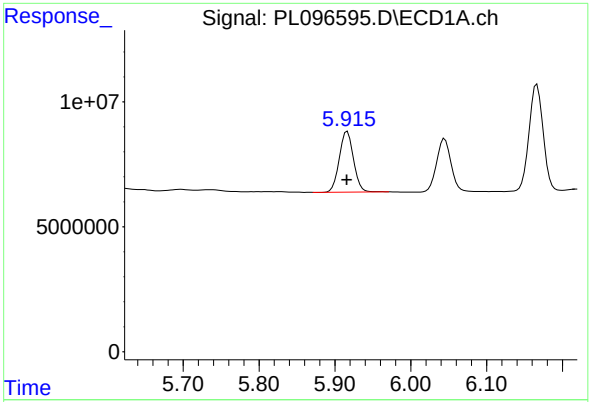
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: 0.001 min
Response: 28022040
Conc: 7.79 ng/ml



#9 Endosulfan I

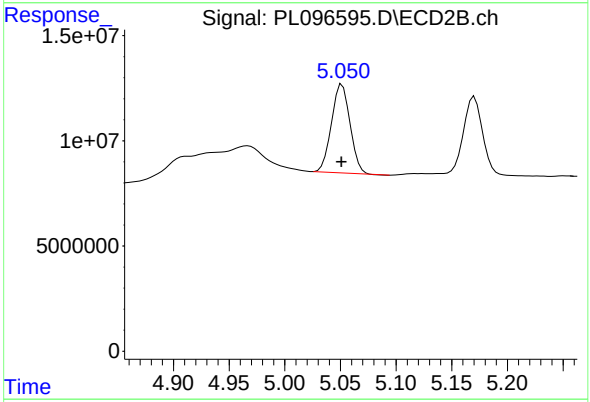
R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 48036256
Conc: 8.68 ng/ml



#10 gamma-Chlordane

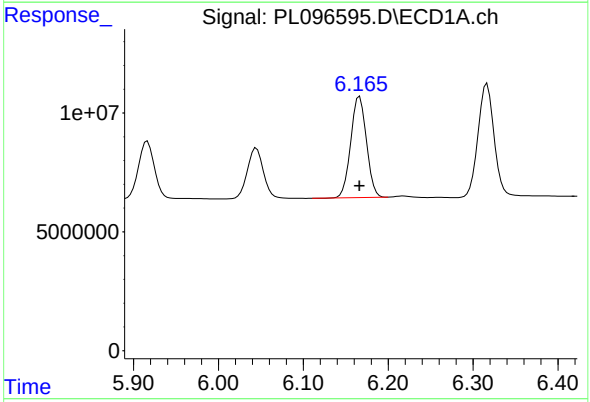
R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 8.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



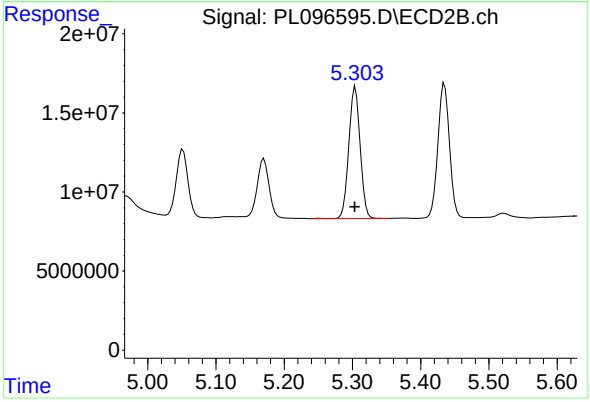
#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 48929496
Conc: 8.32 ng/ml



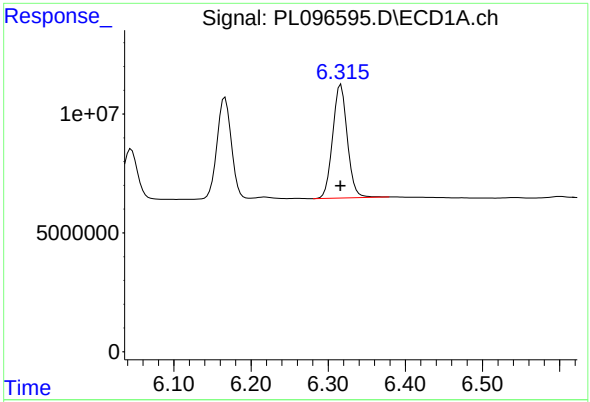
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 54660848
Conc: 17.02 ng/ml



#12 4,4'-DDE

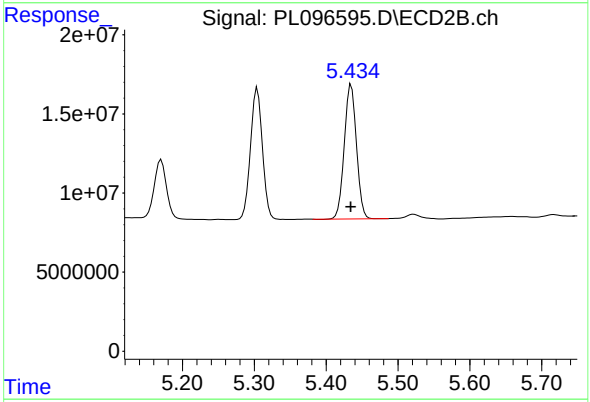
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 96001382
Conc: 17.41 ng/ml



#13 Dieldrin

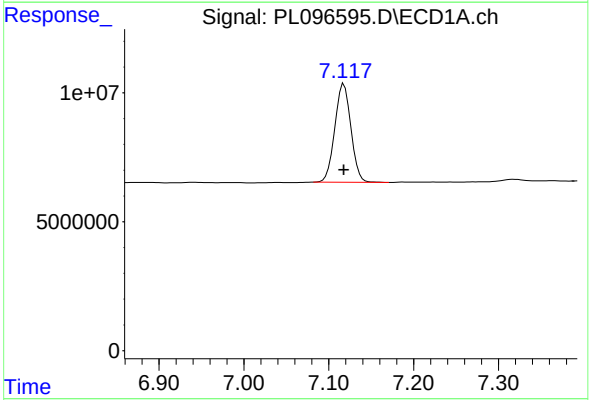
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 63095073
Conc: 17.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



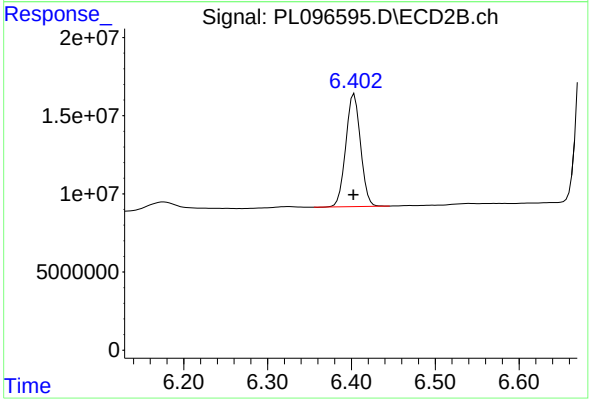
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 99918926
Conc: 16.92 ng/ml



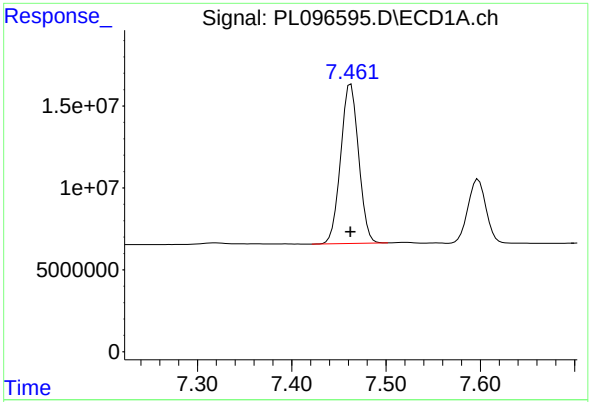
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50325612
Conc: 17.51 ng/ml



#19 Endosulfan Sulfate

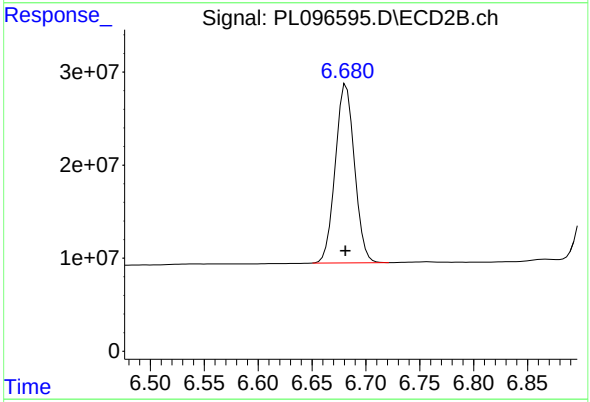
R.T.: 6.403 min
Delta R.T.: 0.001 min
Response: 88476396
Conc: 17.40 ng/ml



#20 Methoxychlor

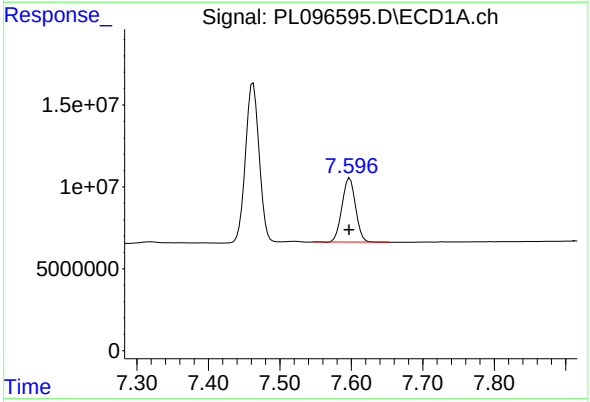
R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 128897891
Conc: 87.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



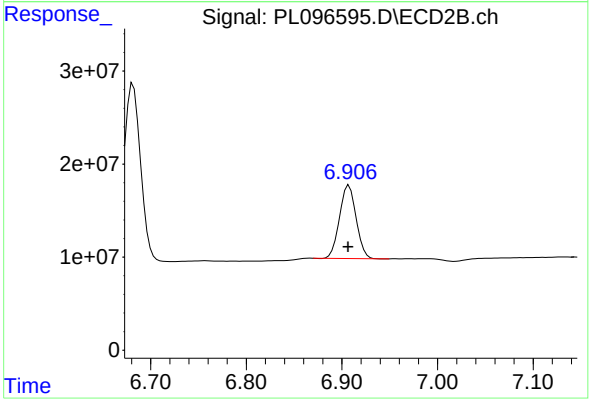
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 238424041
Conc: 87.00 ng/ml



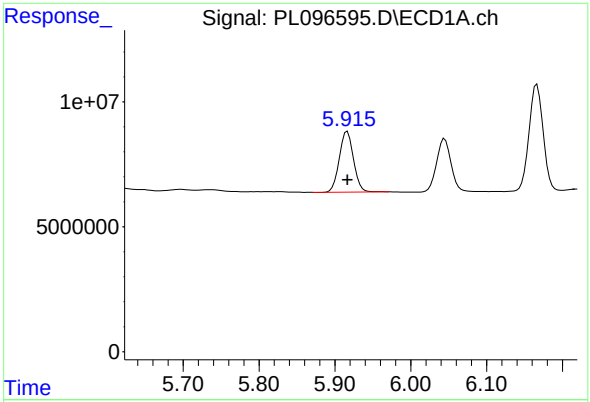
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: 0.000 min
Response: 51693529
Conc: 17.19 ng/ml



#21 Endrin ketone

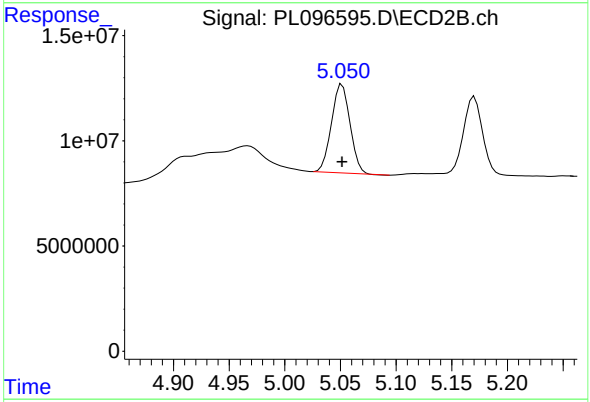
R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 95186865
Conc: 17.09 ng/ml



#25 Chlordane-3

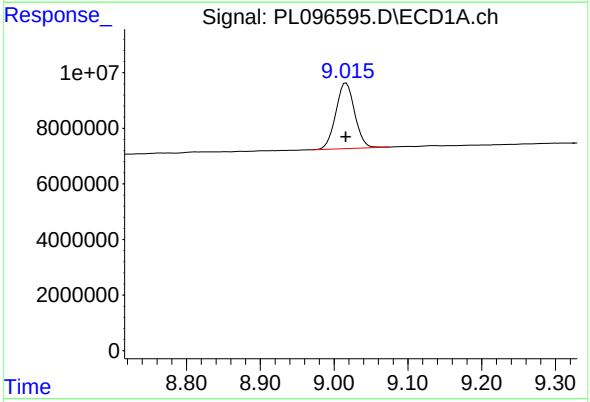
R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 47.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



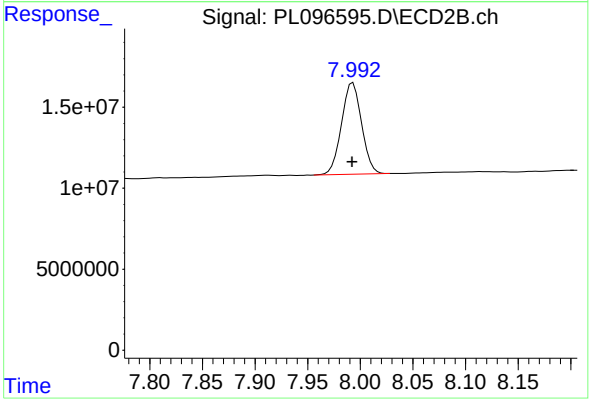
#25 Chlordane-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 48929496
Conc: 70.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 41967810
Conc: 17.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 75251539
Conc: 17.35 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	80667083	120.4E6	25.718	25.447
28)	SA Decachlor...	9.016	7.992	61253778	110.7E6	26.443	26.222
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	113.7E6	176.1E6	24.483	24.678
3)	MA gamma-BHC...	4.311	3.665	109.5E6	164.7E6	24.930	24.831
4)	MA Heptachlor	4.903	4.014	103.9E6	167.4E6	25.150	25.138
5)	MB Aldrin	5.242	4.297	106.1E6	154.6E6	24.852	24.810
6)	B beta-BHC	4.497	3.961	46424655	71835591	26.066	25.815
7)	B delta-BHC	4.743	4.195	98875722	161.7E6	24.853	24.903
8)	B Heptachlo...	5.662	4.799	97796537	143.3E6	25.420	25.140
9)	A Endosulfan I	6.044	5.170	89274310	138.5E6	25.243	25.835
10)	B gamma-Chl...	5.916	5.051	95166219	147.9E6	25.039	25.072
11)	B alpha-Chl...	5.996	5.115	96944619	147.4E6	25.499	25.414
12)	B 4,4'-DDE	6.166	5.303	77835138	135.9E6	24.731	24.536
13)	MA Dieldrin	6.316	5.434	91962286	148.1E6	24.768	25.106
14)	MA Endrin	6.542	5.709	76652120	133.6E6	25.664	24.852
15)	B Endosulfa...	6.755	6.001	79391270	129.4E6	26.092	25.256
16)	A 4,4'-DDD	6.675	5.856	62524397	117.6E6	24.773	25.050
17)	MA 4,4'-DDT	6.989	6.109	70933756	126.1E6	24.589	24.645
18)	B Endrin al...	6.884	6.179	54110594	101.7E6	25.464	27.119
19)	B Endosulfa...	7.117	6.403	71756969	128.4E6	25.163	25.362
20)	A Methoxychlor	7.462	6.681	37688830	69721101	25.500	25.524
21)	B Endrin ke...	7.597	6.907	75730573	138.5E6	25.211	25.044
22)	Mirex	8.076	7.097	63693911	111.6E6	26.118	26.231

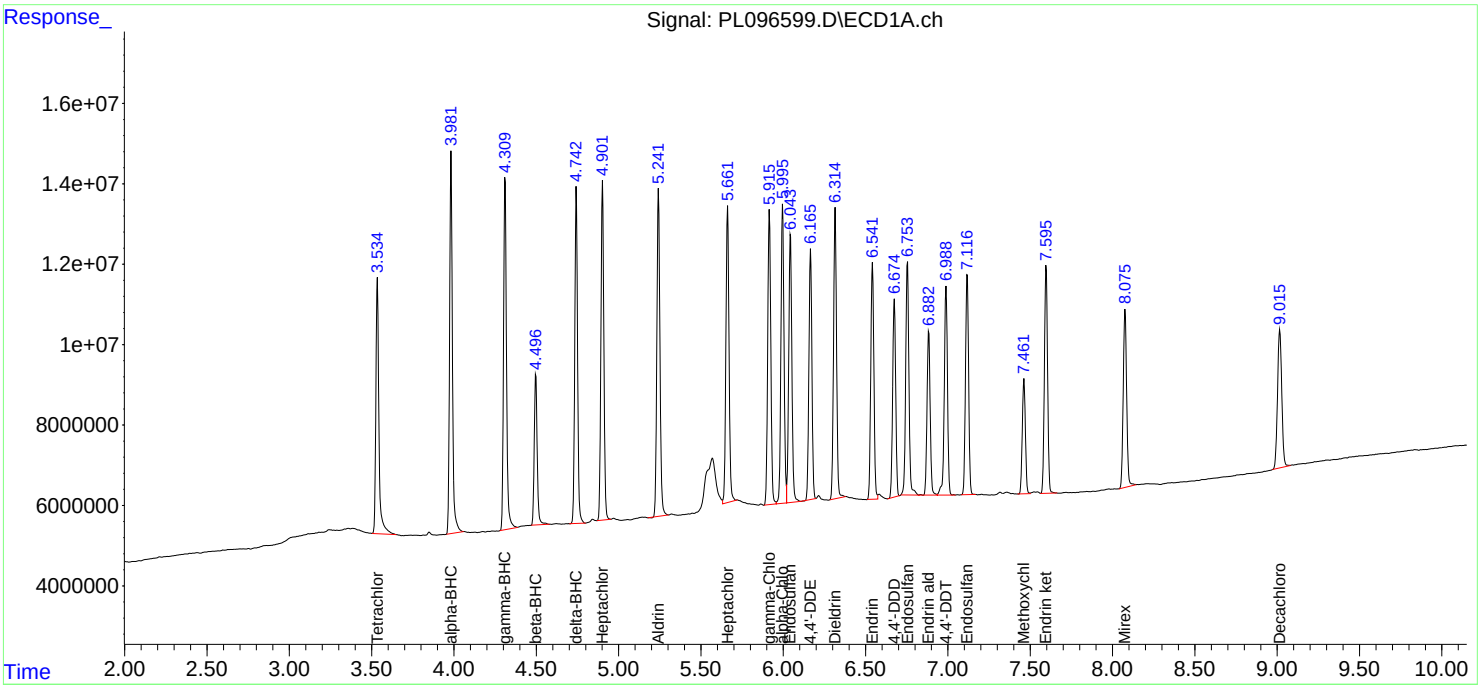
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

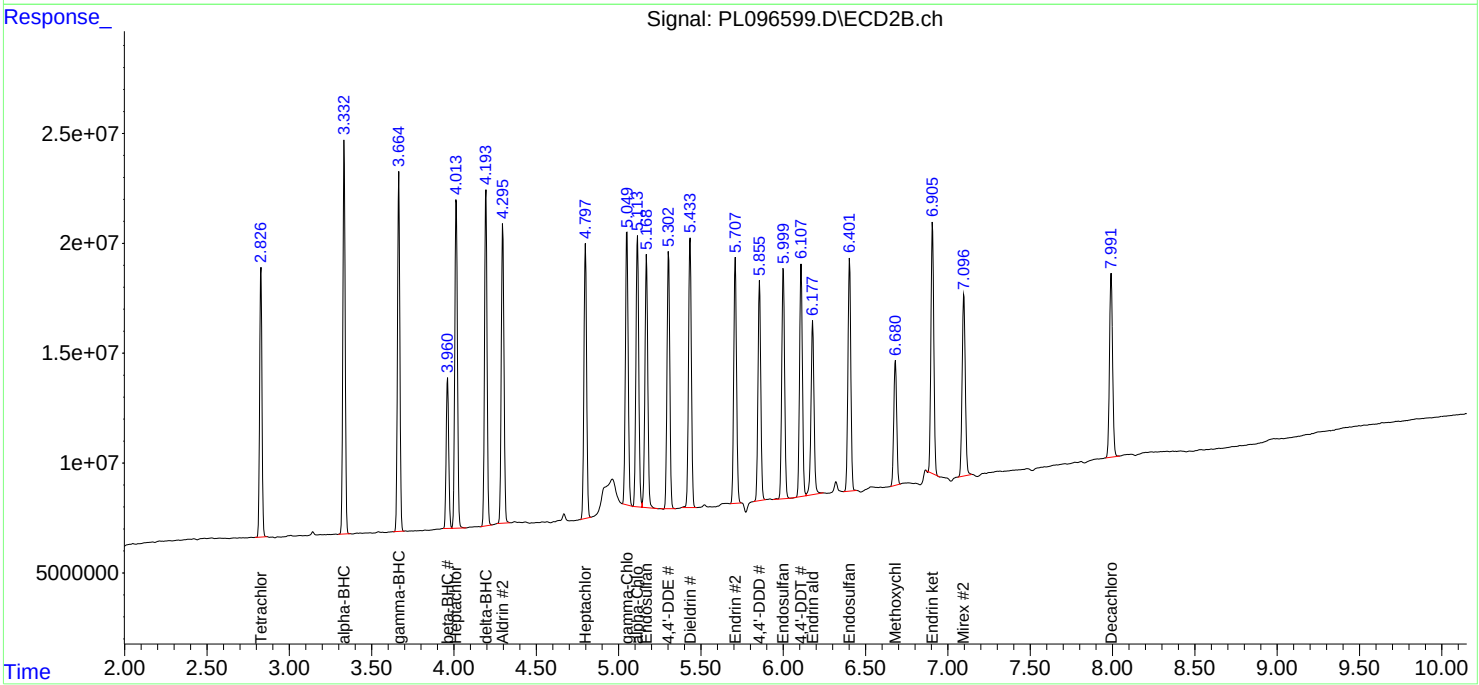
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

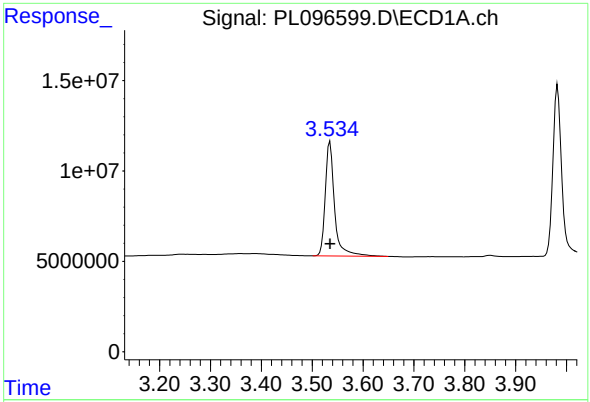
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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



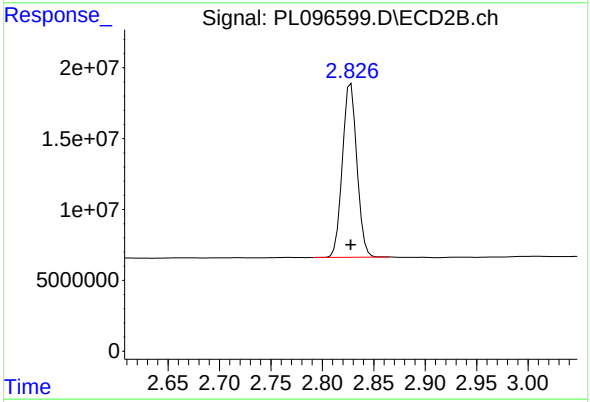




#1 Tetrachloro-m-xylene

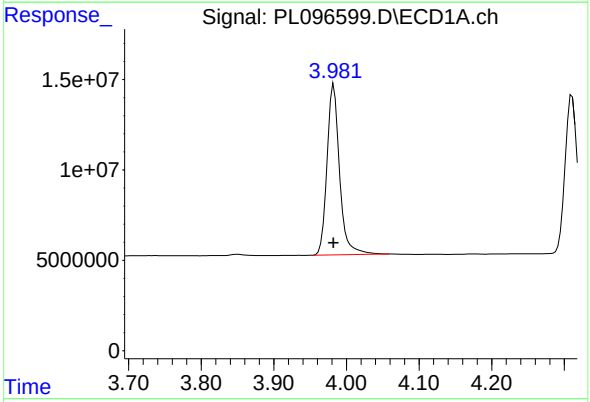
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 80667083
Conc: 25.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



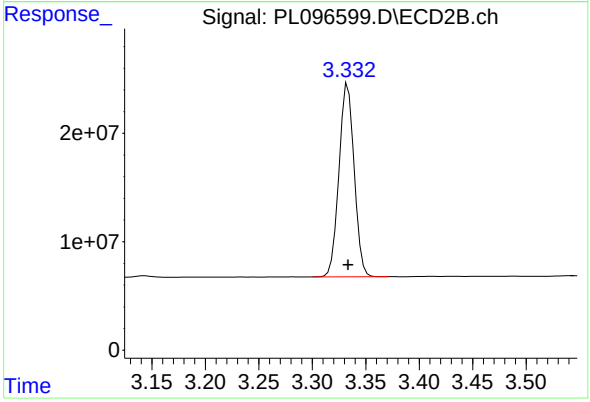
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 120387362
Conc: 25.45 ng/ml



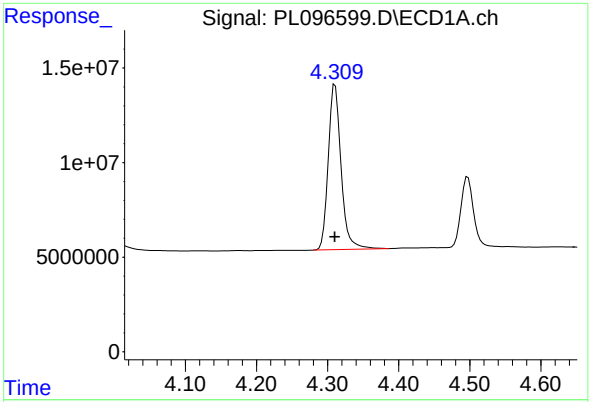
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 113727400
Conc: 24.48 ng/ml



#2 alpha-BHC

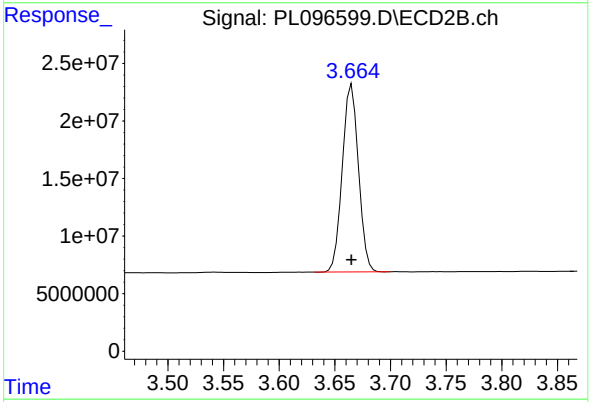
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 176134463
Conc: 24.68 ng/ml



#3 gamma-BHC (Lindane)

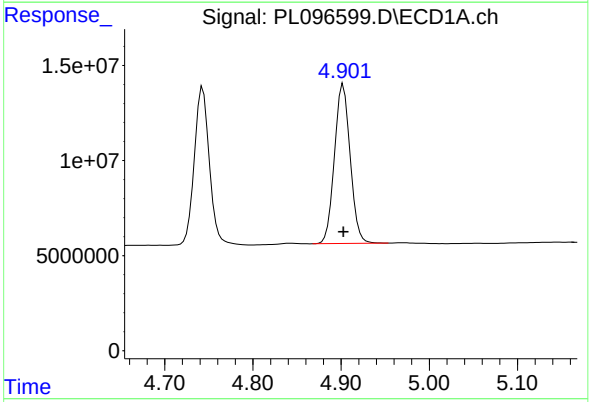
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 109455262
Conc: 24.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



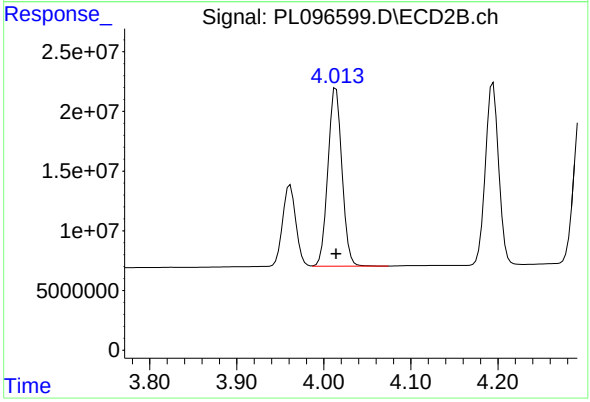
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 164738265
Conc: 24.83 ng/ml



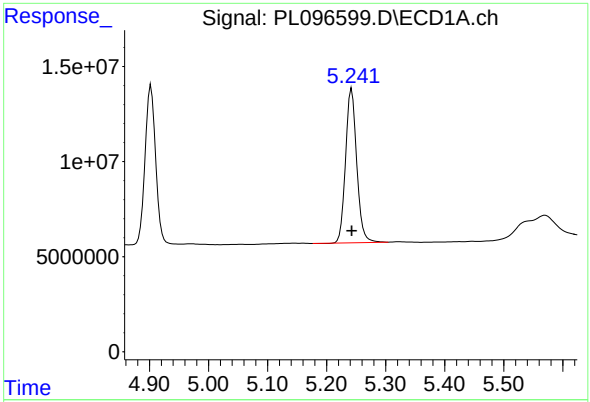
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 103855678
Conc: 25.15 ng/ml



#4 Heptachlor

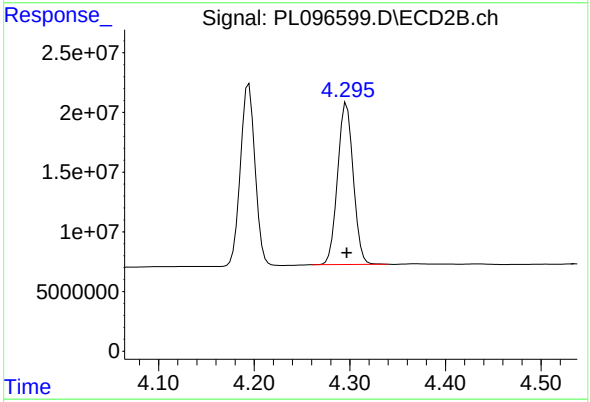
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 167381908
Conc: 25.14 ng/ml



#5 Aldrin

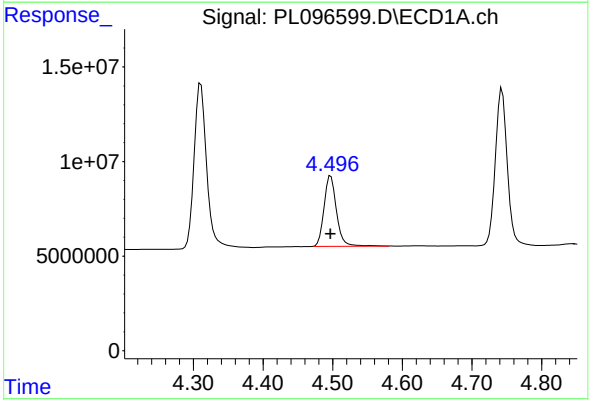
R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 106077325
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



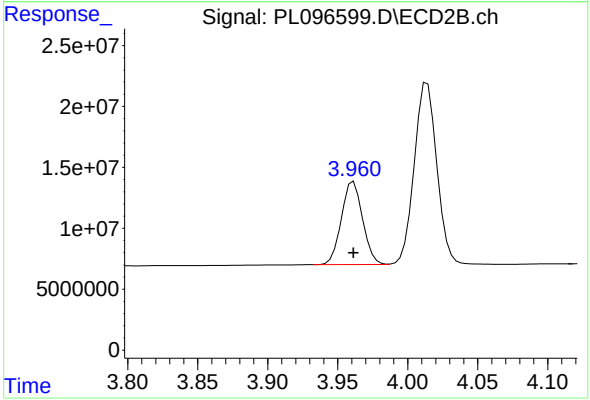
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 154569484
Conc: 24.81 ng/ml



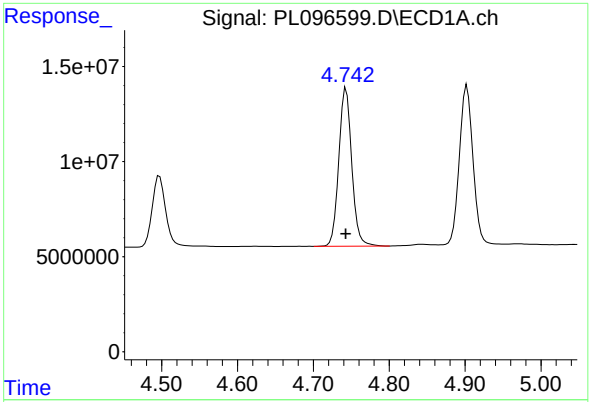
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 46424655
Conc: 26.07 ng/ml



#6 beta-BHC

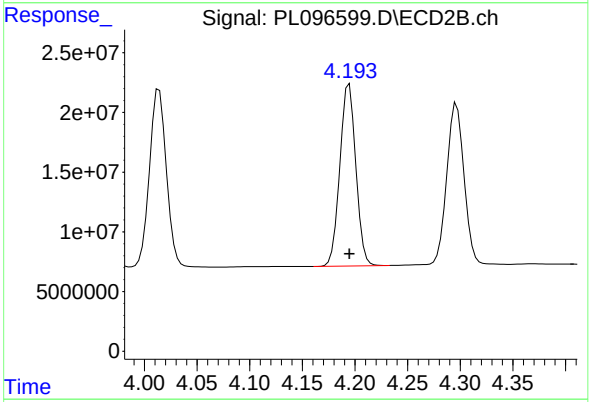
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 71835591
Conc: 25.81 ng/ml



#7 delta-BHC

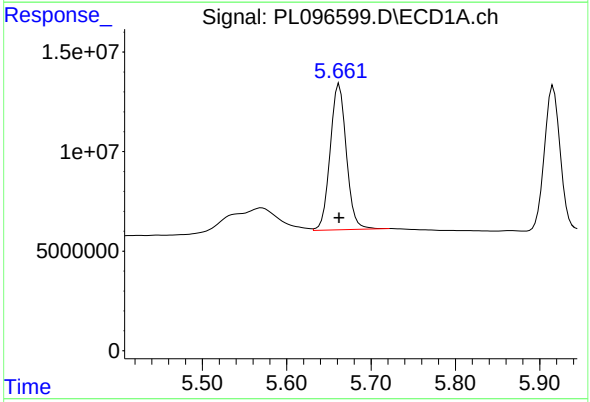
R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 98875722
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



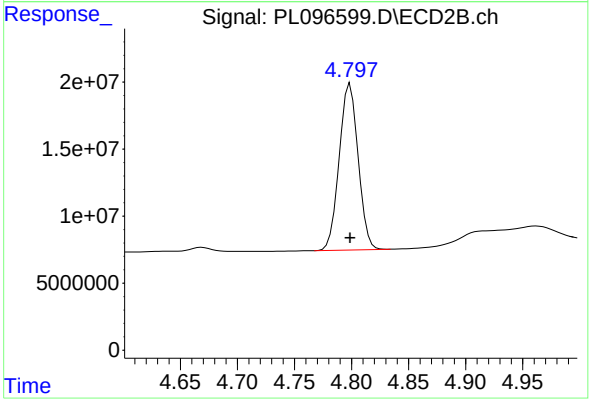
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 161747114
Conc: 24.90 ng/ml



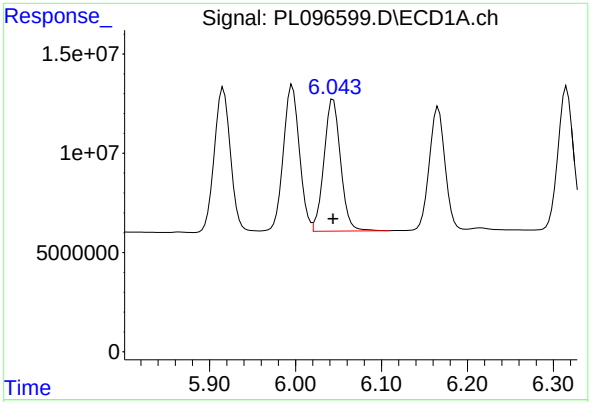
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 97796537
Conc: 25.42 ng/ml



#8 Heptachlor epoxide

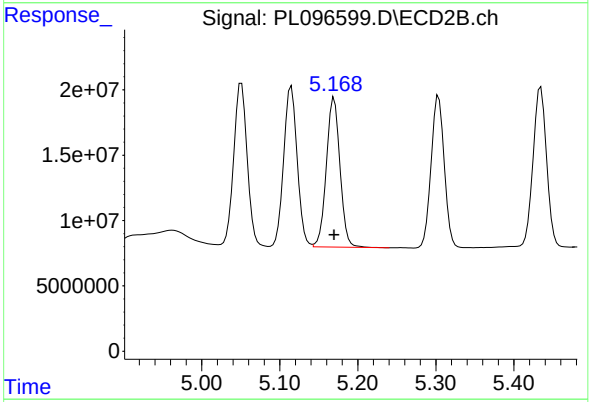
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 143274077
Conc: 25.14 ng/ml



#9 Endosulfan I

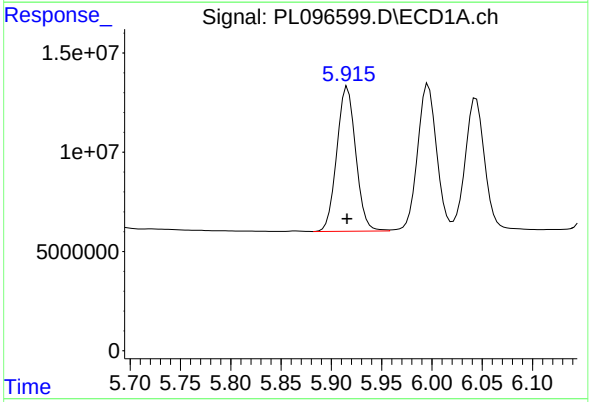
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 89274310
Conc: 25.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



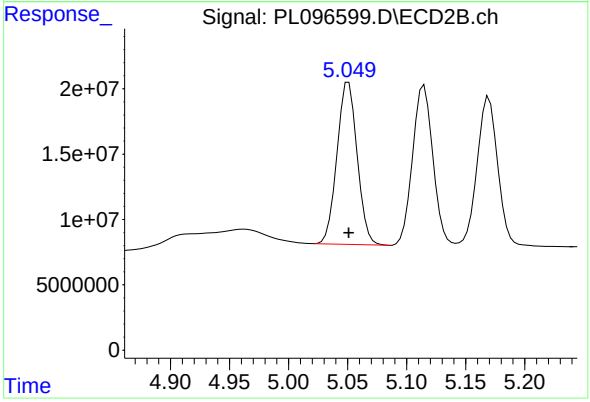
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 138547710
Conc: 25.84 ng/ml



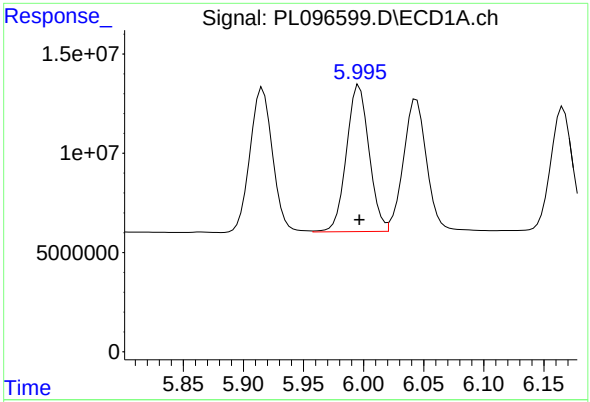
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 95166219
Conc: 25.04 ng/ml



#10 gamma-Chlordane

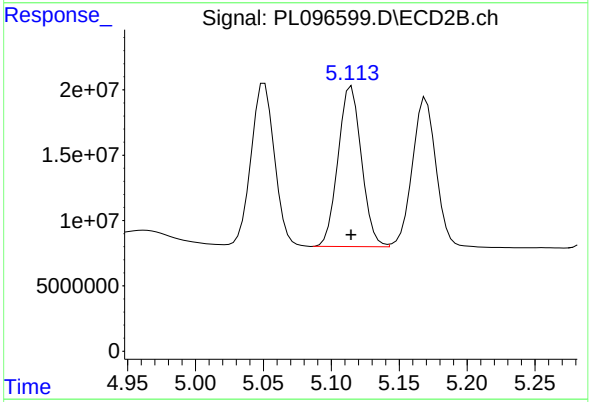
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 147883477
Conc: 25.07 ng/ml



#11 alpha-Chlordane

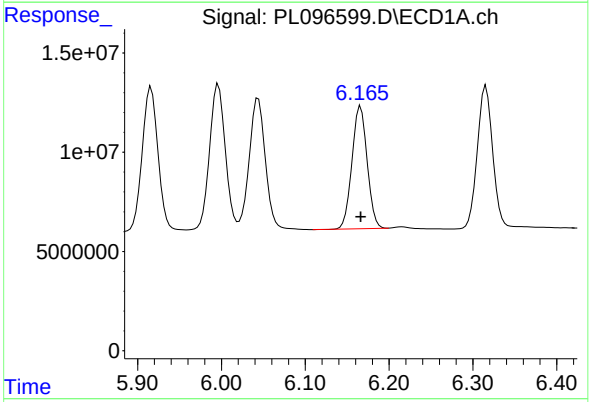
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 96944619
Conc: 25.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



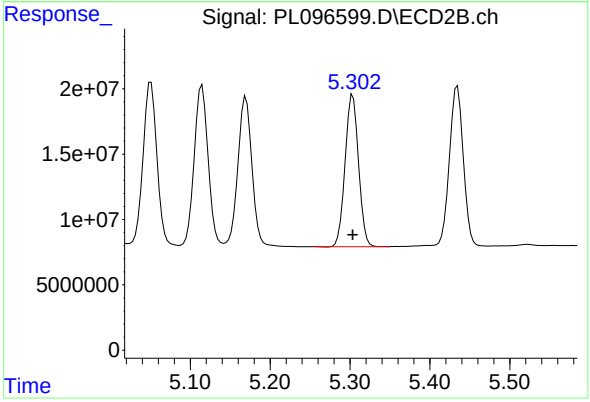
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 147407858
Conc: 25.41 ng/ml



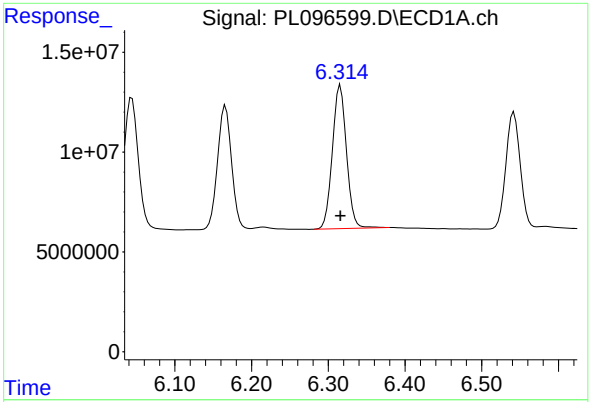
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 77835138
Conc: 24.73 ng/ml



#12 4,4'-DDE

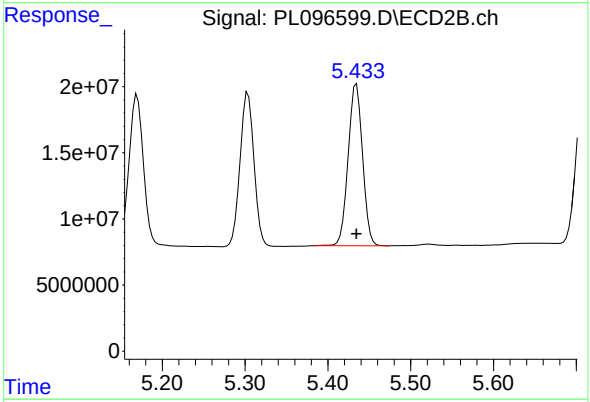
R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 135946511
Conc: 24.54 ng/ml



#13 Dieldrin

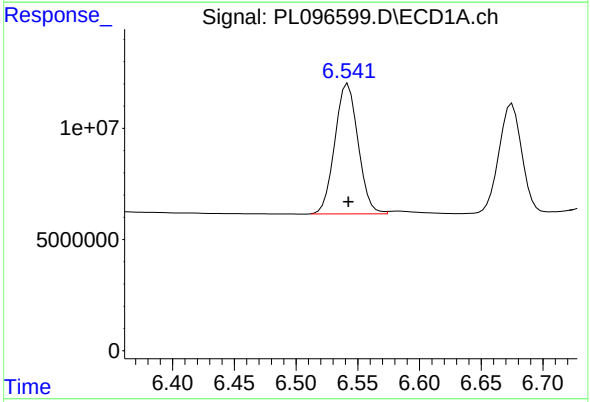
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 91962286
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



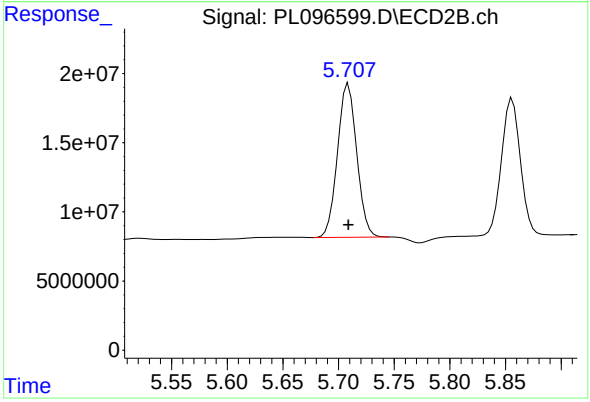
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 148077198
Conc: 25.11 ng/ml



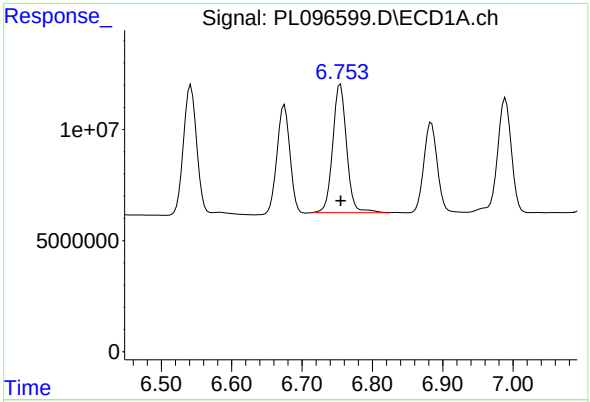
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 76652120
Conc: 25.66 ng/ml



#14 Endrin

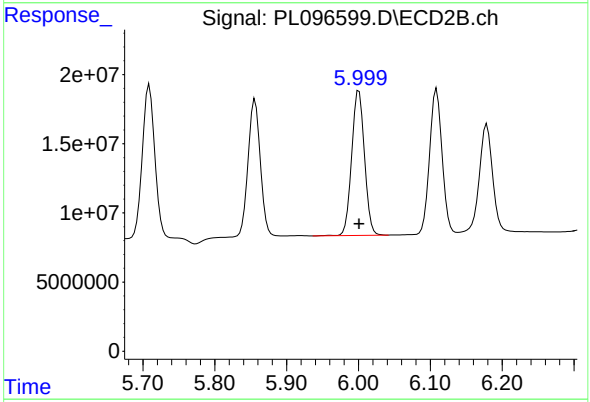
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 133610110
Conc: 24.85 ng/ml



#15 Endosulfan II

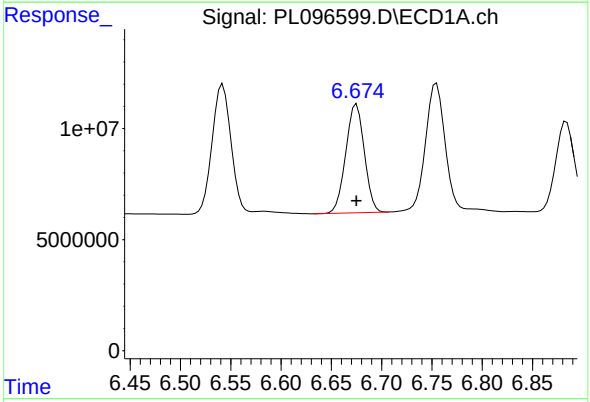
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 79391270
Conc: 26.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



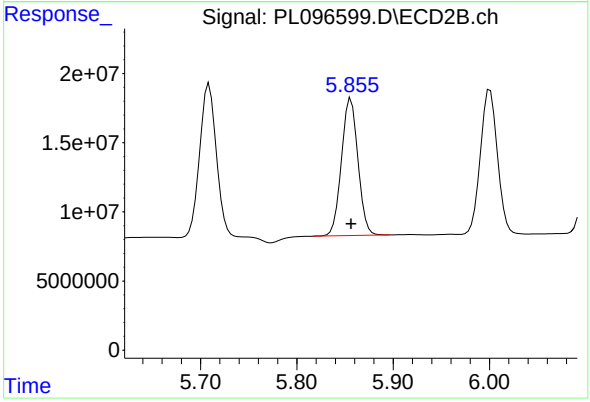
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 129380147
Conc: 25.26 ng/ml



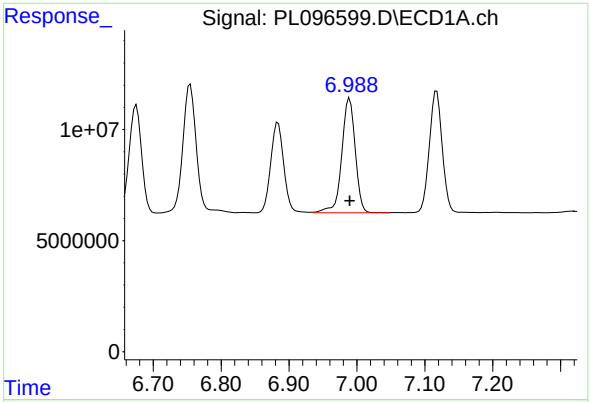
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 62524397
Conc: 24.77 ng/ml



#16 4,4'-DDD

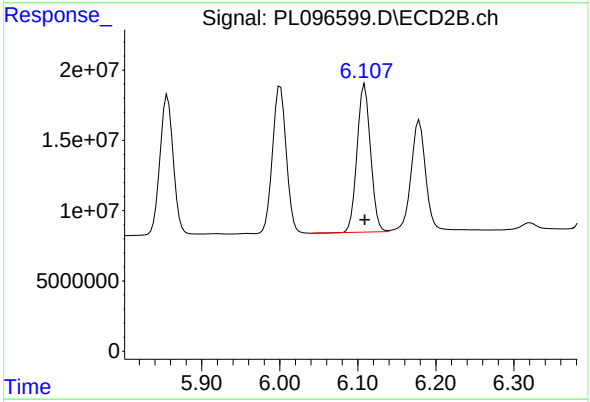
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 117568590
Conc: 25.05 ng/ml



#17 4,4'-DDT

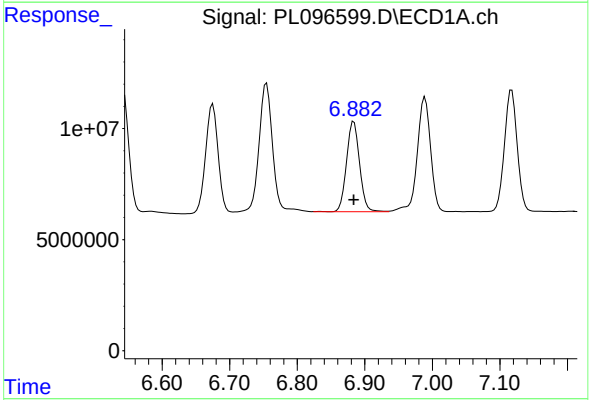
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 70933756
Conc: 24.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



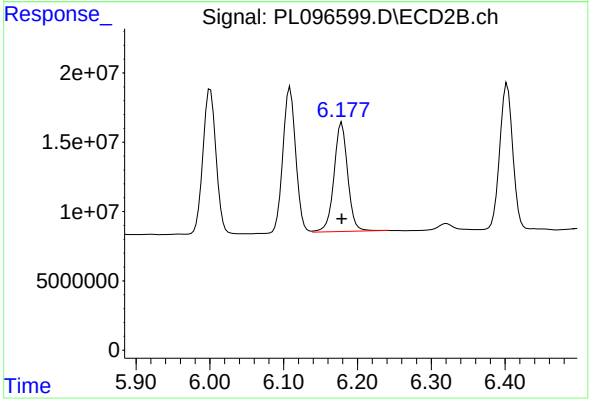
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 126146252
Conc: 24.65 ng/ml



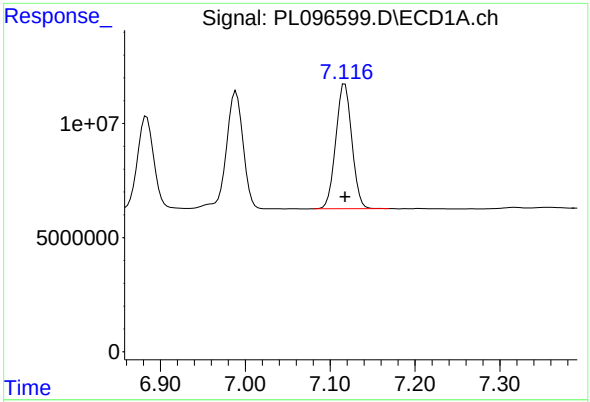
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 54110594
Conc: 25.46 ng/ml



#18 Endrin aldehyde

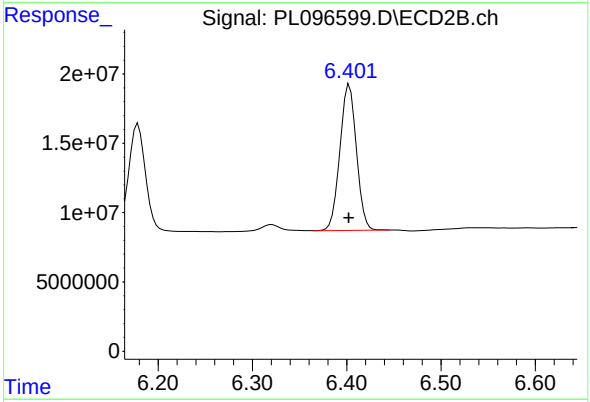
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 101733323
Conc: 27.12 ng/ml



#19 Endosulfan Sulfate

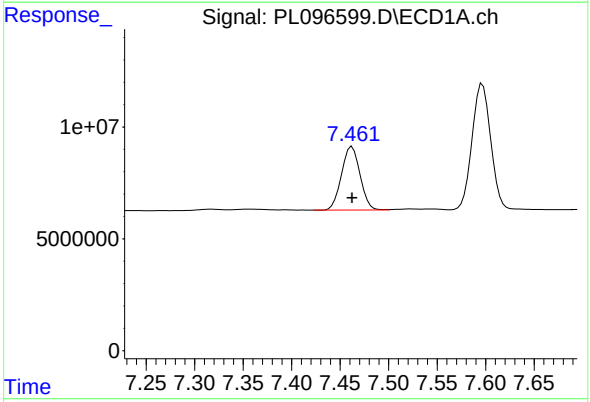
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 71756969
Conc: 25.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



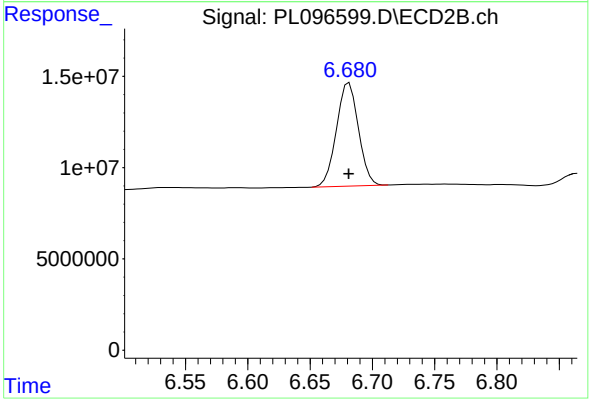
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 128398736
Conc: 25.36 ng/ml



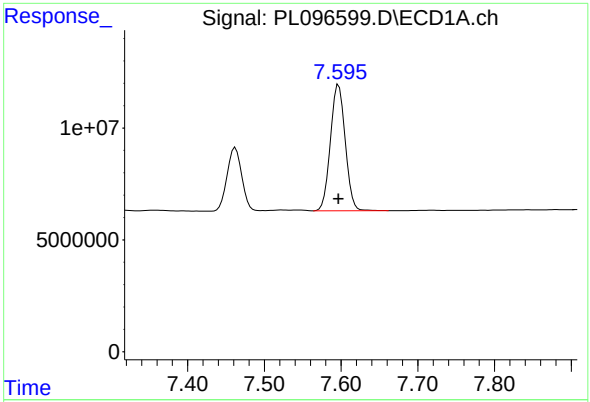
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 37688830
Conc: 25.50 ng/ml



#20 Methoxychlor

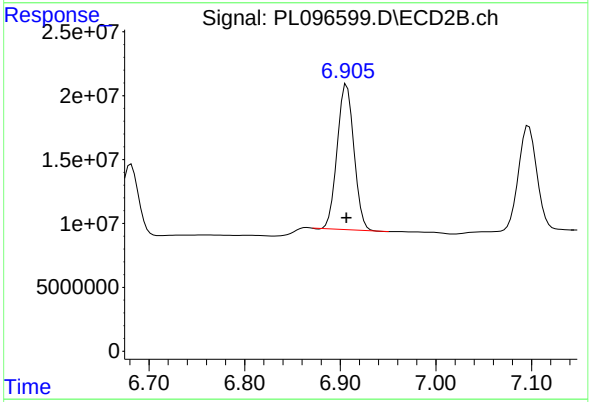
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 69721101
Conc: 25.52 ng/ml



#21 Endrin ketone

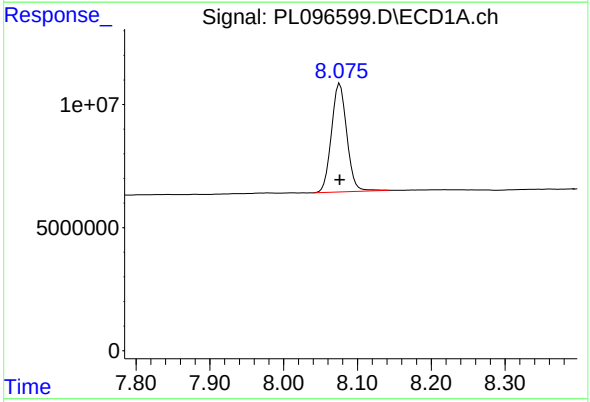
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 75730573
Conc: 25.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



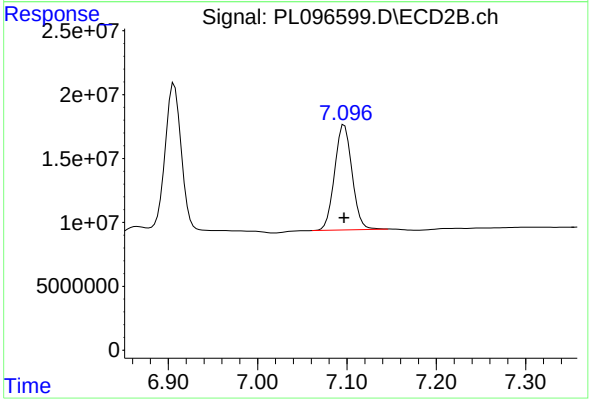
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 138475607
Conc: 25.04 ng/ml



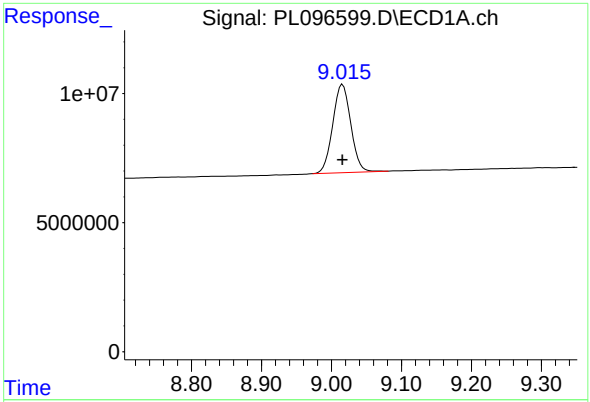
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 63693911
Conc: 26.12 ng/ml



#22 Mirex

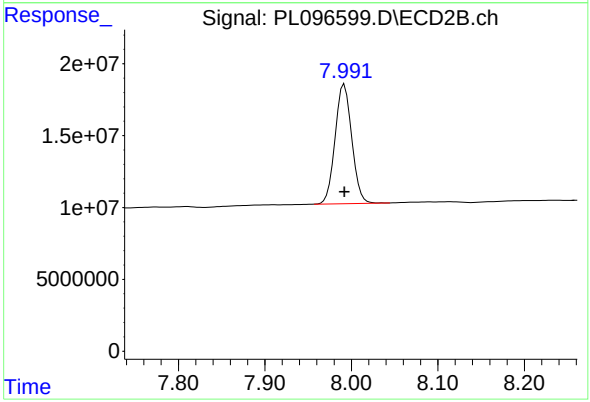
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 111590978
Conc: 26.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 61253778
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 110748988
Conc: 26.22 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.827	16289913	24636469	5.193	5.207	
28)	SA Decachlor...	9.016	7.992	13081800	24155779	5.647	5.719	
	Target Compounds							
2)	A alpha-BHC	3.981	3.333	21891026	33671129	4.713	4.718	
3)	MA gamma-BHC...	4.310	3.664	21804234	32260997	4.966	4.863	
4)	MA Heptachlor	4.902	4.013	22657647	33277461	5.487	4.998	
5)	MB Aldrin	5.242	4.296	23335409	30546909	5.467	4.903	
6)	B beta-BHC	4.497	3.961	9319336	14886777	5.233	5.350	
7)	B delta-BHC	4.742	4.194	19209773	31362311	4.828	4.829	
8)	B Heptachlo...	5.662	4.798	21916244	28926139	5.697	5.076	
9)	A Endosulfan I	6.043	5.169	18404240	30432392	5.204	5.675	
10)	B gamma-Chl...	5.915	5.050	18527805	28851412	4.875	4.891	
11)	B alpha-Chl...	5.996	5.115	19648624	31301796	5.168	5.397	
12)	B 4,4'-DDE	6.165	5.303	16169148	26895387	5.138	4.854	
13)	MA Dieldrin	6.315	5.434	17886564	29267822	4.817	4.962	
14)	MA Endrin	6.541	5.709	14803966	27745055	4.957	5.161	
15)	B Endosulfa...	6.754	6.000	16262556	26018008	5.345	5.079	
16)	A 4,4'-DDD	6.674	5.856	12297723	23708739	4.873	5.052	
17)	MA 4,4'-DDT	6.989	6.108	13672011	24000169	4.739	4.689	
18)	B Endrin al...	6.884	6.178	11040304	29990732	5.195	7.995	#
19)	B Endosulfa...	7.117	6.402	14782385	26237528	5.184	5.182	
20)	A Methoxychlor	7.462	6.681	7310793	14153462	4.946	5.181	
21)	B Endrin ke...	7.597	6.907	15006830	27568439	4.996	4.986	
22)	Mirex	8.076	7.097	13350221	24190284	5.474	5.686	

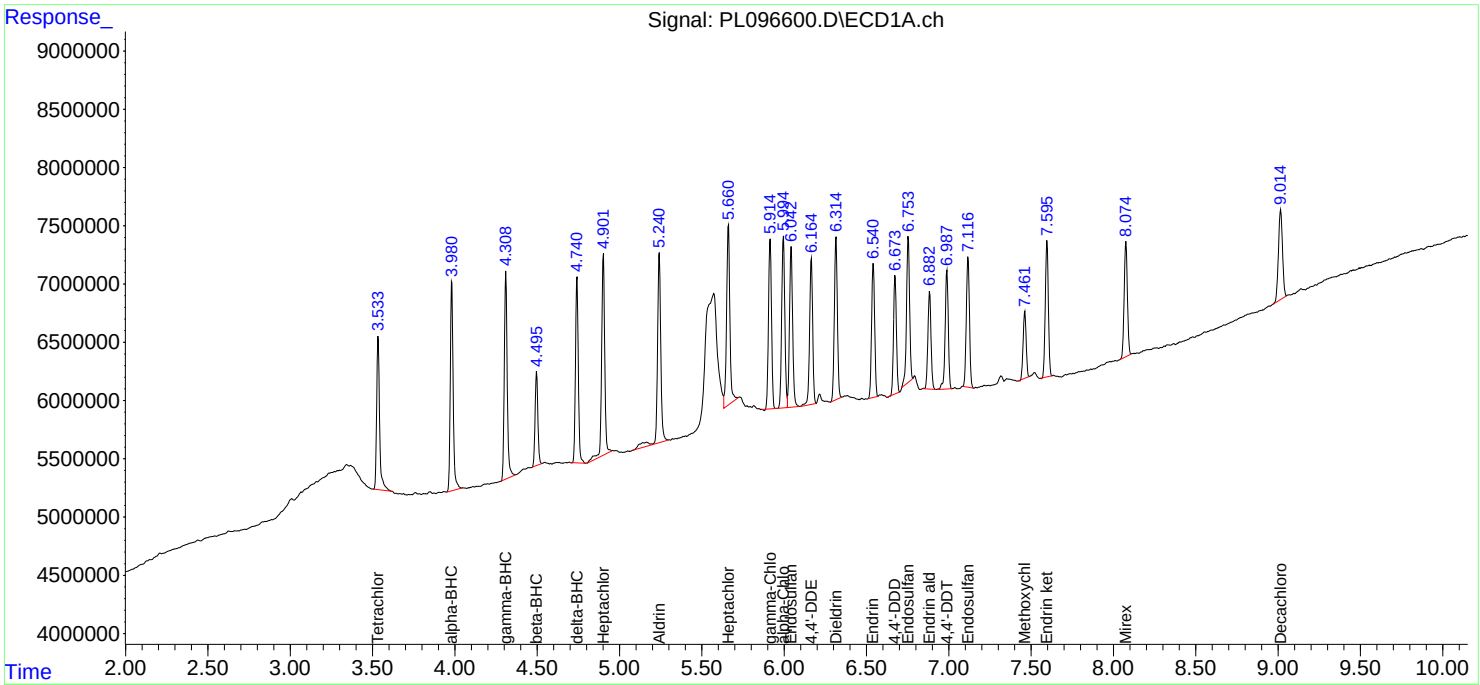
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

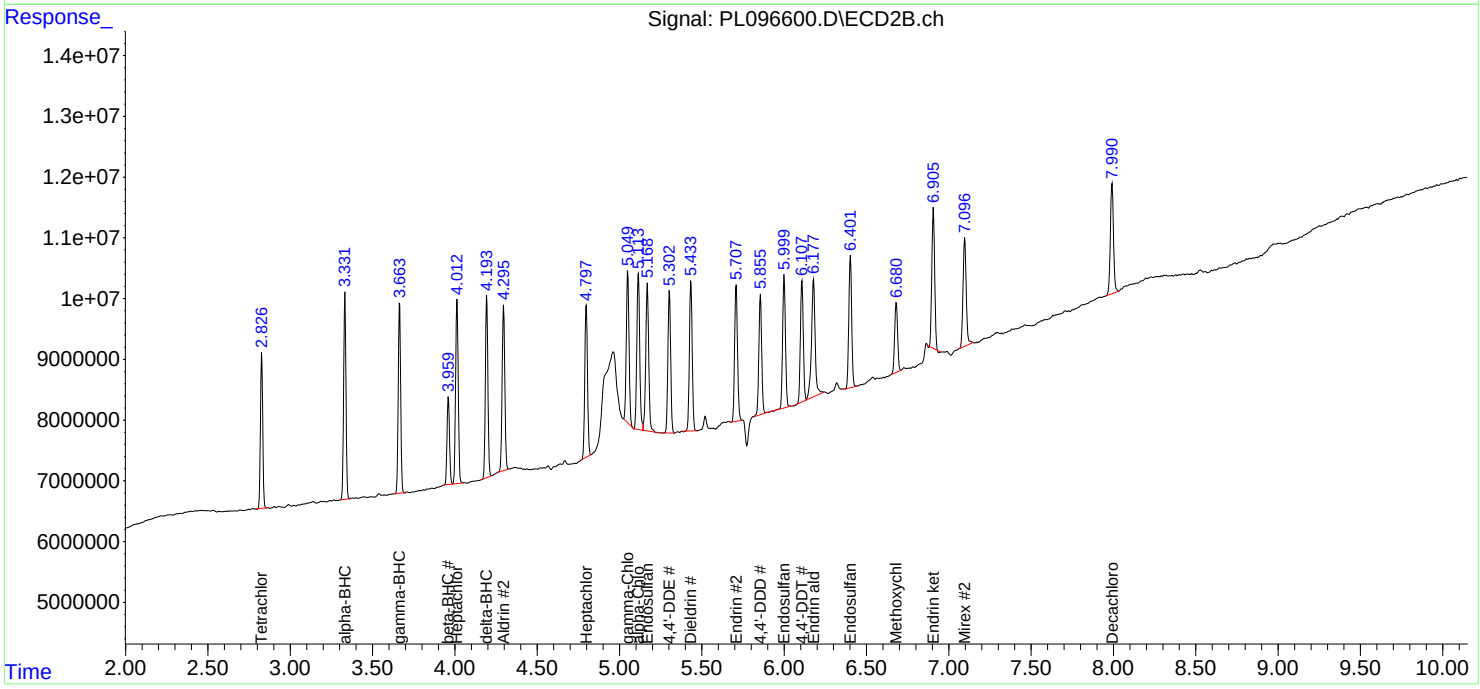
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

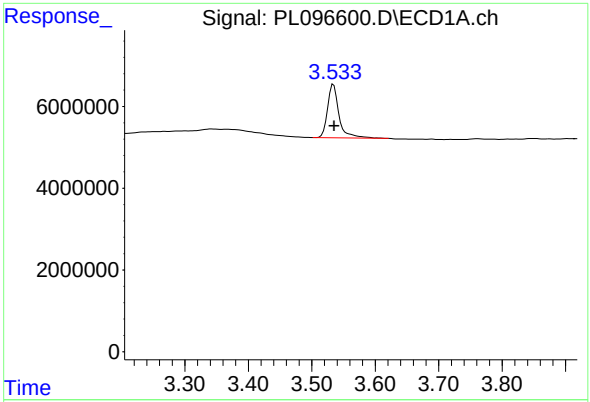
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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



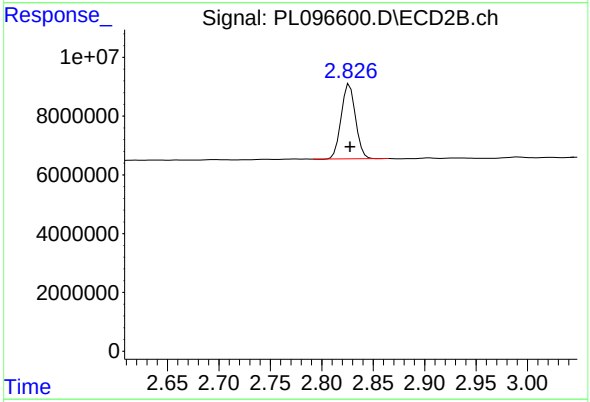




#1 Tetrachloro-m-xylene

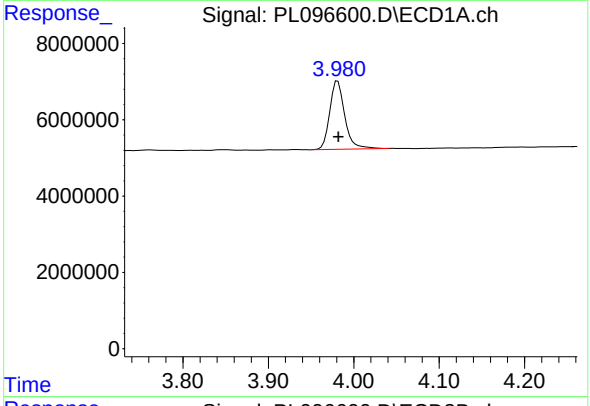
R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 16289913
Conc: 5.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



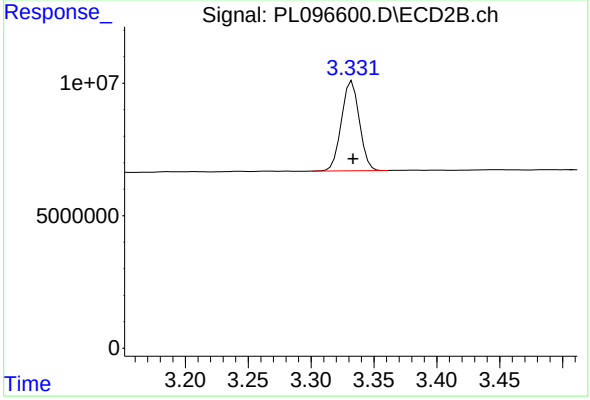
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 24636469
Conc: 5.21 ng/ml



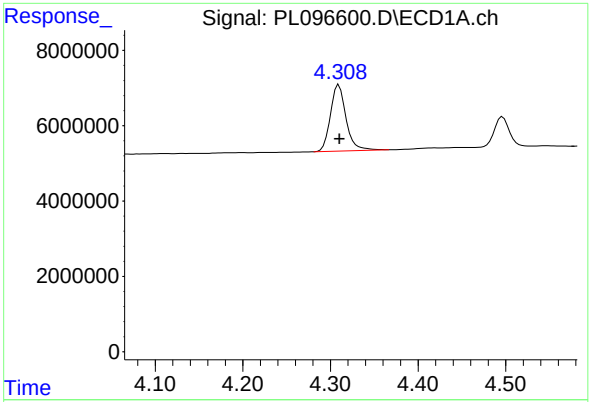
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: 0.000 min
Response: 21891026
Conc: 4.71 ng/ml



#2 alpha-BHC

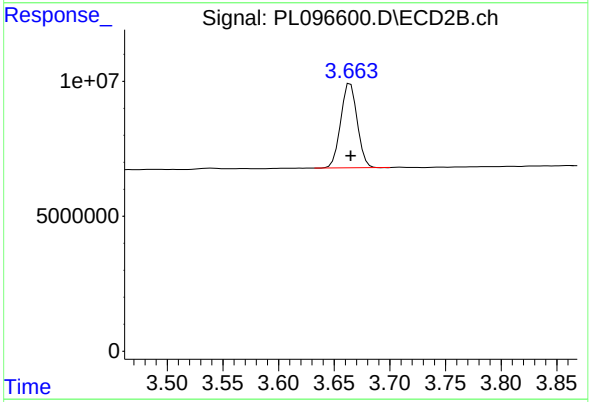
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 33671129
Conc: 4.72 ng/ml



#3 gamma-BHC (Lindane)

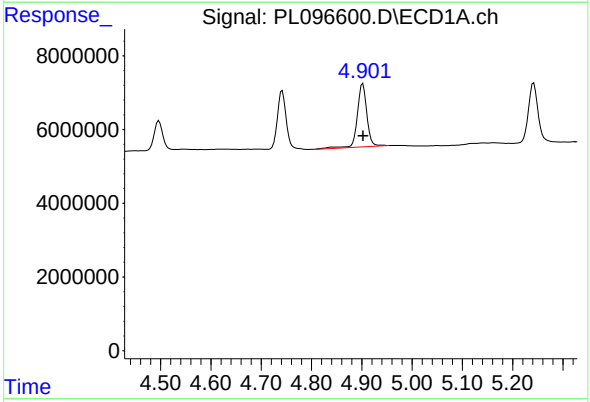
R.T.: 4.310 min
Delta R.T.: 0.000 min
Response: 21804234
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



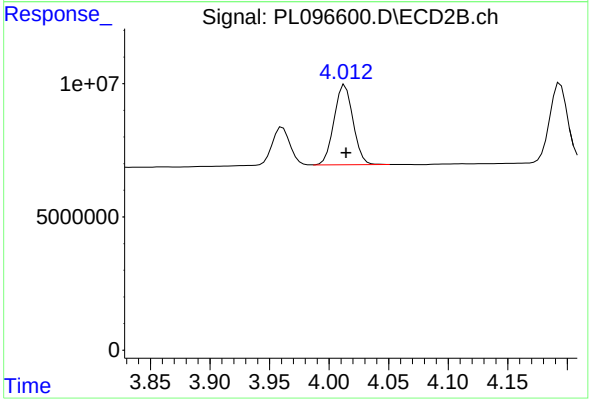
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 32260997
Conc: 4.86 ng/ml



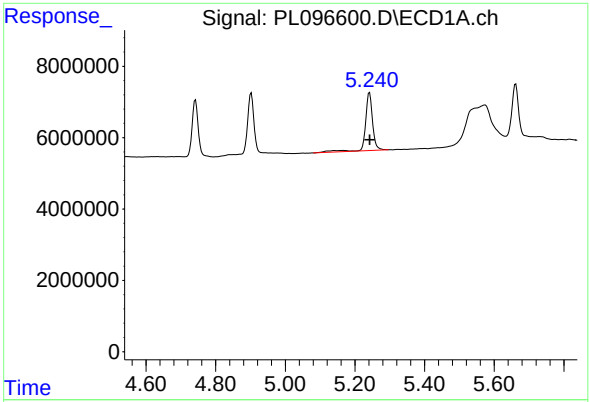
#4 Heptachlor

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 22657647
Conc: 5.49 ng/ml



#4 Heptachlor

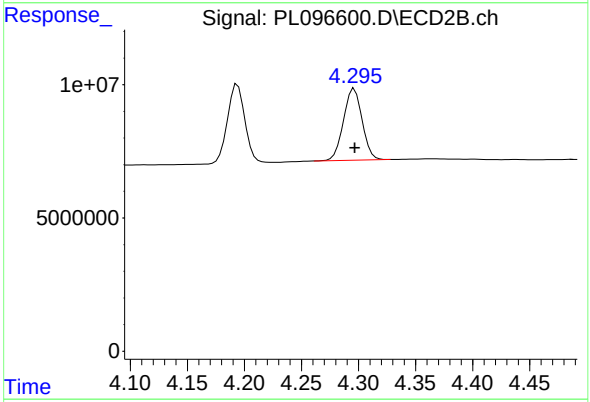
R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 33277461
Conc: 5.00 ng/ml



#5 Aldrin

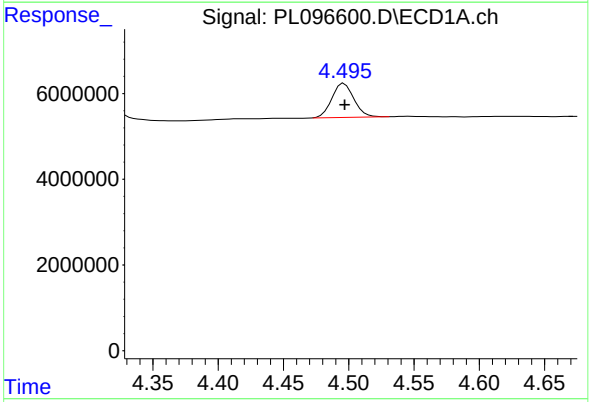
R.T.: 5.242 min
Delta R.T.: -0.001 min
Response: 23335409
Conc: 5.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



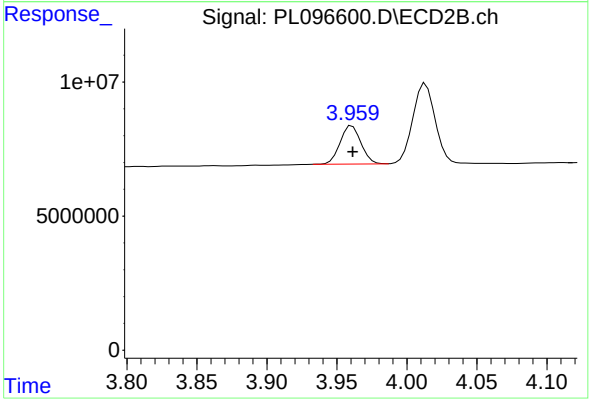
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: 0.000 min
Response: 30546909
Conc: 4.90 ng/ml



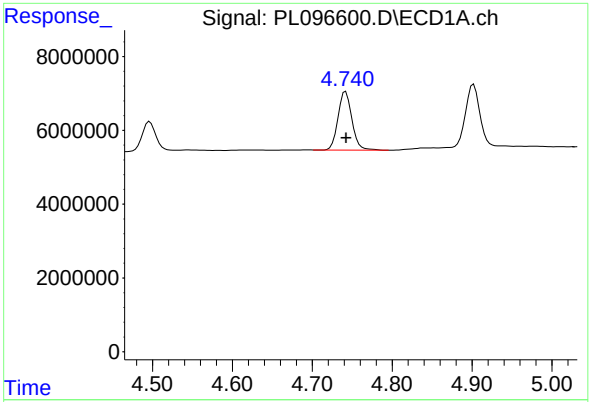
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 9319336
Conc: 5.23 ng/ml



#6 beta-BHC

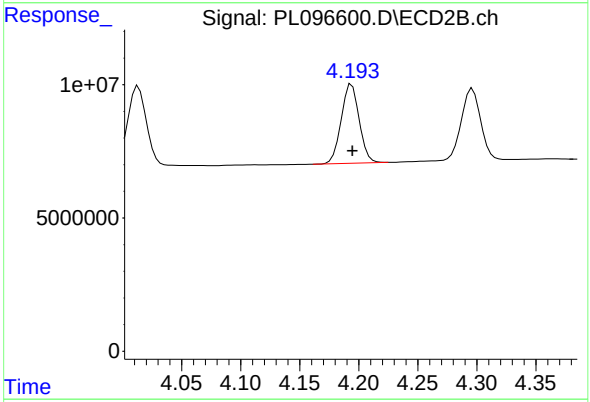
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 14886777
Conc: 5.35 ng/ml



#7 delta-BHC

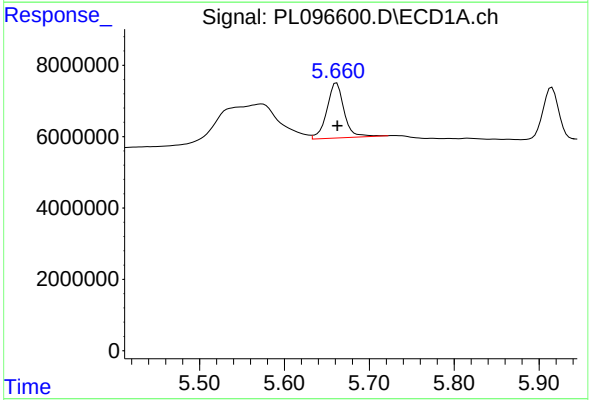
R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 19209773
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



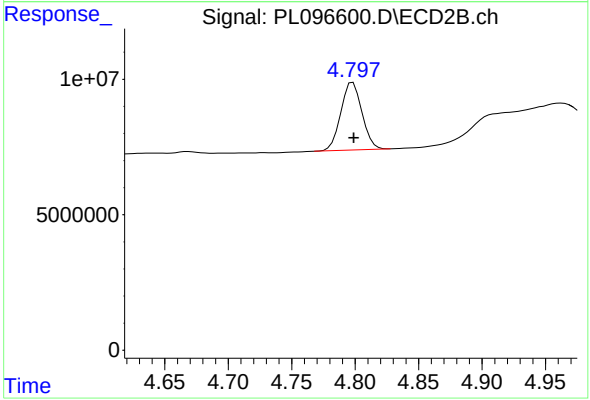
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: 0.000 min
Response: 31362311
Conc: 4.83 ng/ml



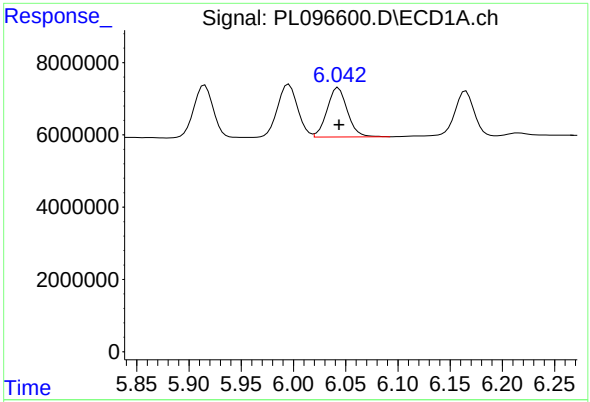
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 21916244
Conc: 5.70 ng/ml



#8 Heptachlor epoxide

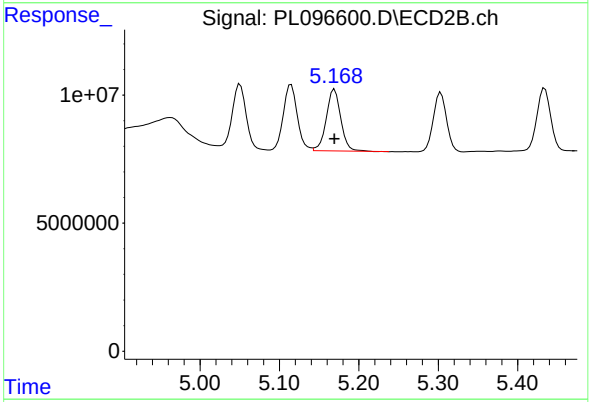
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 28926139
Conc: 5.08 ng/ml



#9 Endosulfan I

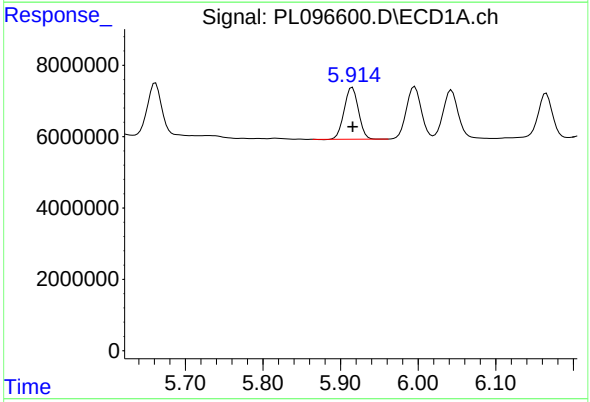
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 18404240
Conc: 5.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



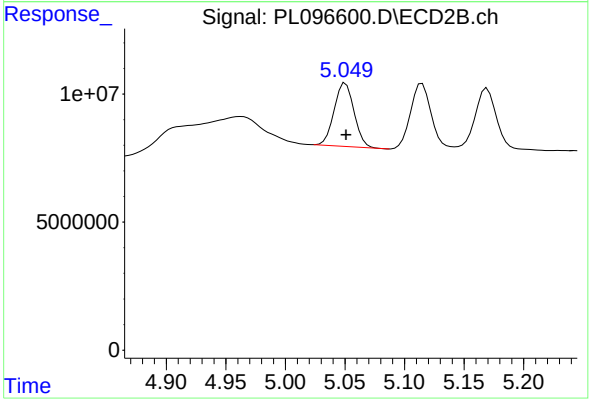
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 30432392
Conc: 5.67 ng/ml



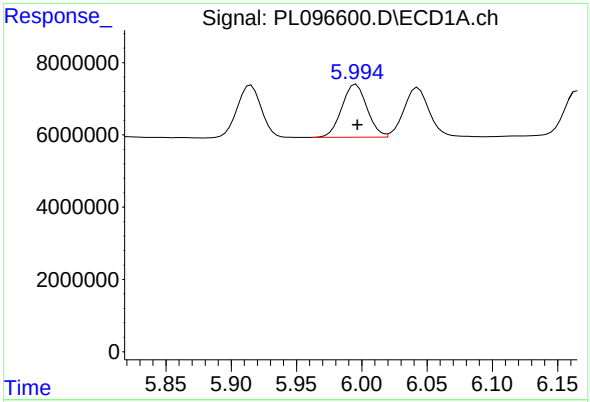
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 18527805
Conc: 4.87 ng/ml



#10 gamma-Chlordane

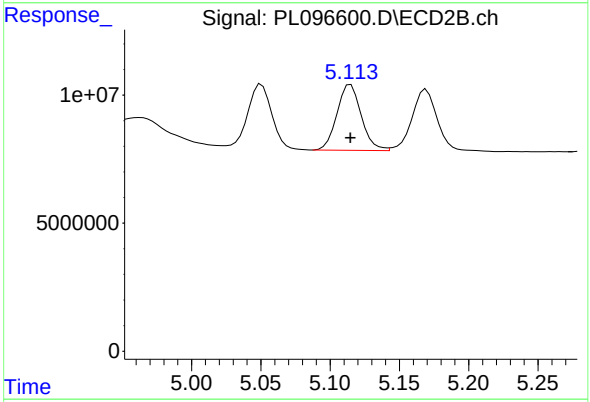
R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 28851412
Conc: 4.89 ng/ml



#11 alpha-Chlordane

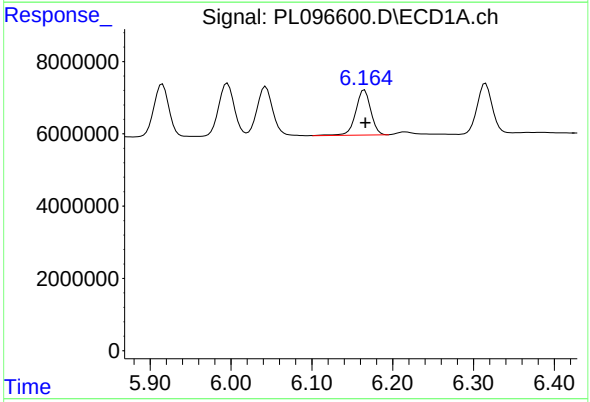
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 19648624
Conc: 5.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



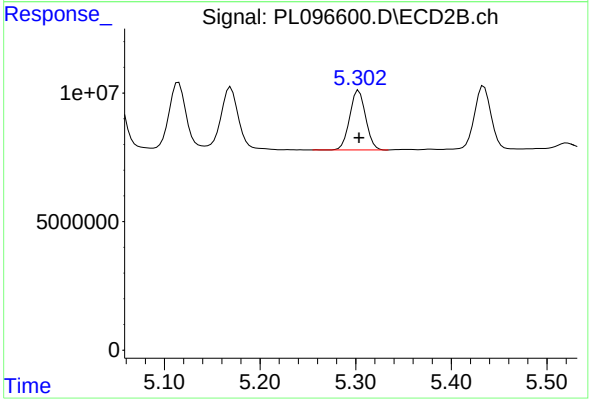
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 31301796
Conc: 5.40 ng/ml



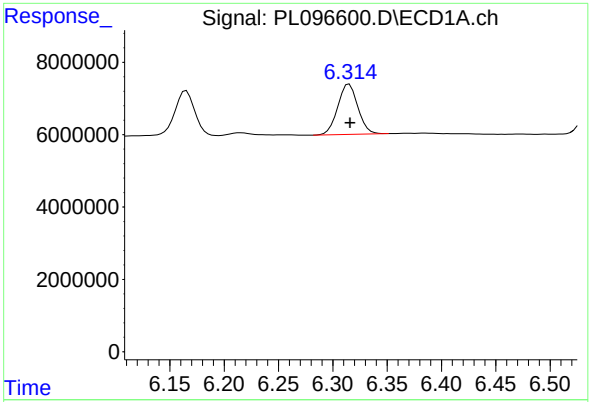
#12 4,4'-DDE

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 16169148
Conc: 5.14 ng/ml



#12 4,4'-DDE

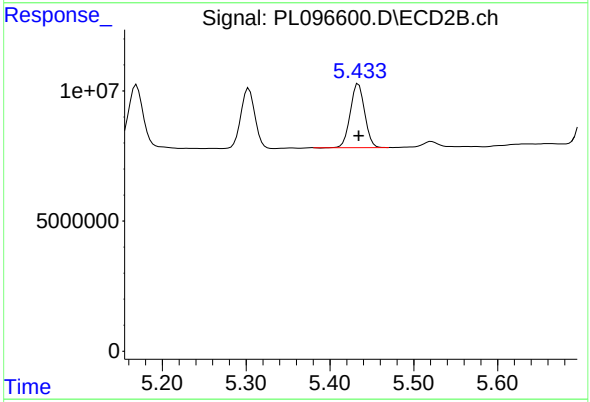
R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 26895387
Conc: 4.85 ng/ml



#13 Dieldrin

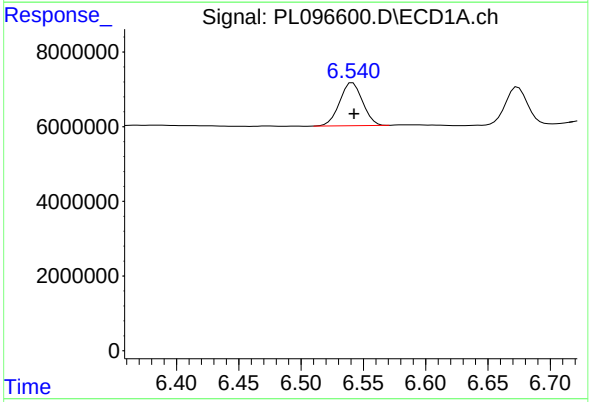
R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 17886564
Conc: 4.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



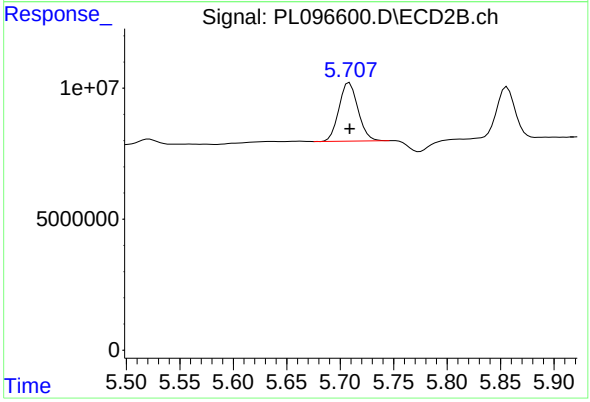
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 29267822
Conc: 4.96 ng/ml



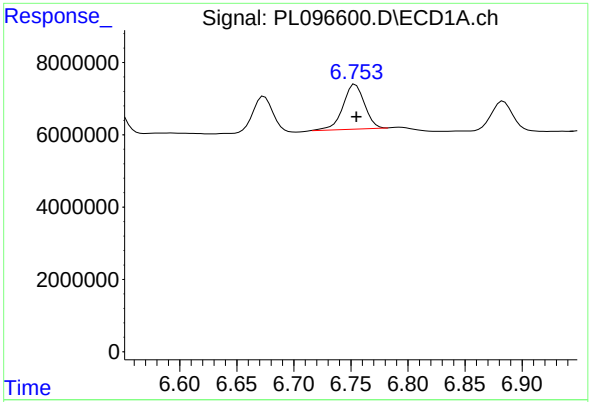
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.001 min
Response: 14803966
Conc: 4.96 ng/ml



#14 Endrin

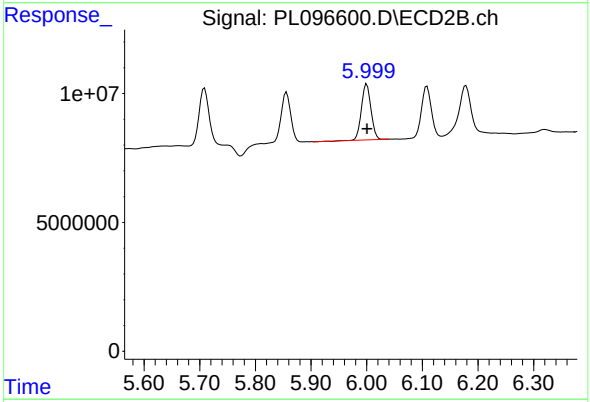
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 27745055
Conc: 5.16 ng/ml



#15 Endosulfan II

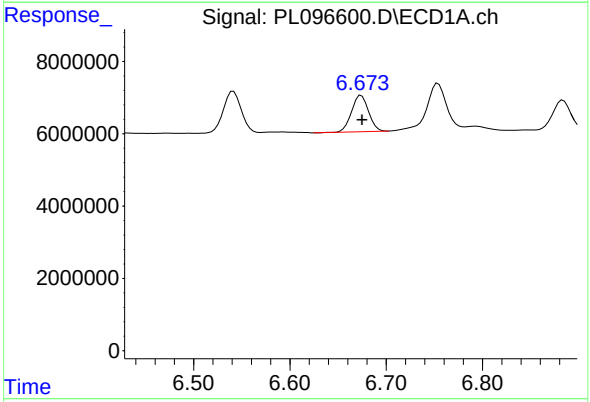
R.T.: 6.754 min
Delta R.T.: -0.001 min
Response: 16262556
Conc: 5.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



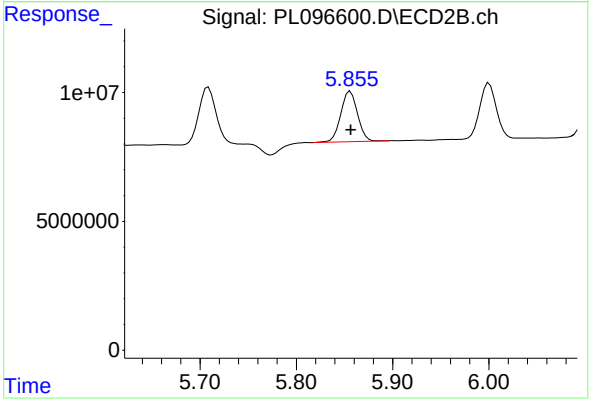
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 26018008
Conc: 5.08 ng/ml



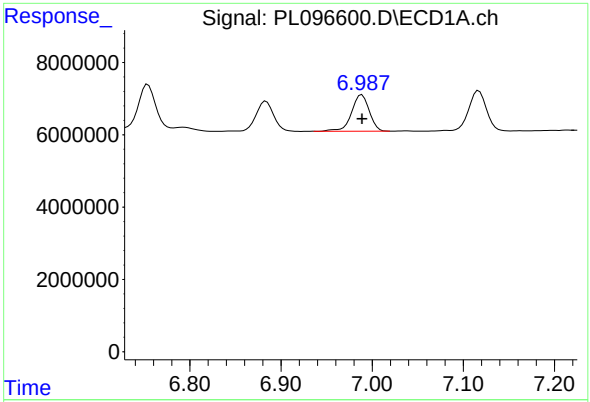
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 12297723
Conc: 4.87 ng/ml



#16 4,4'-DDD

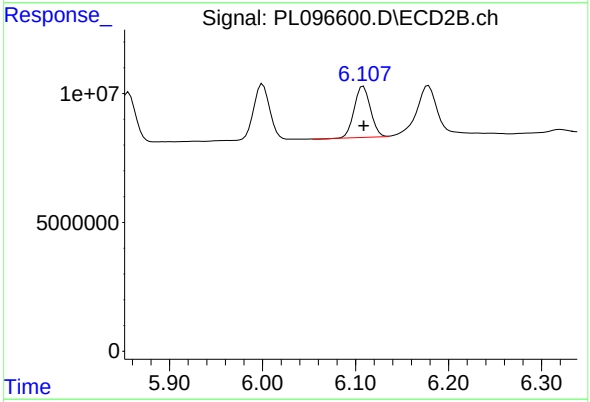
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 23708739
Conc: 5.05 ng/ml



#17 4,4'-DDT

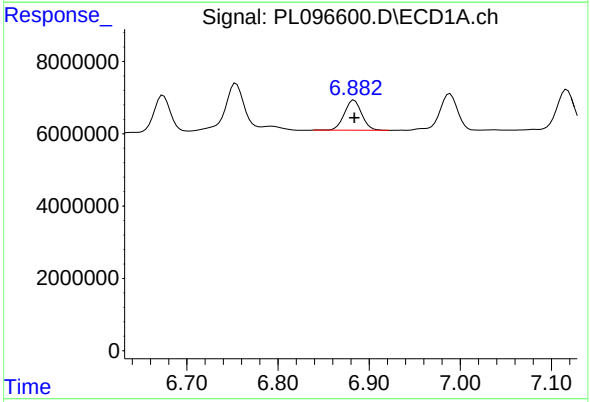
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 13672011
Conc: 4.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



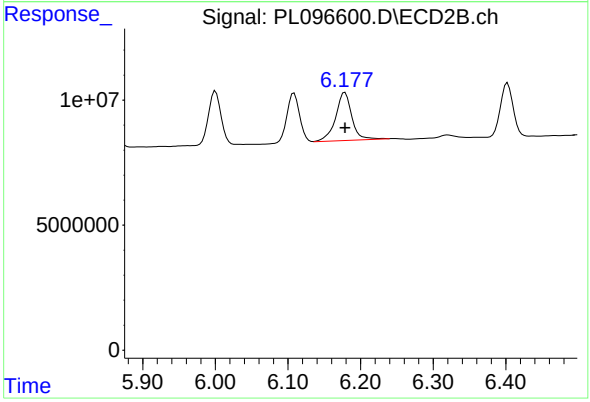
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 24000169
Conc: 4.69 ng/ml



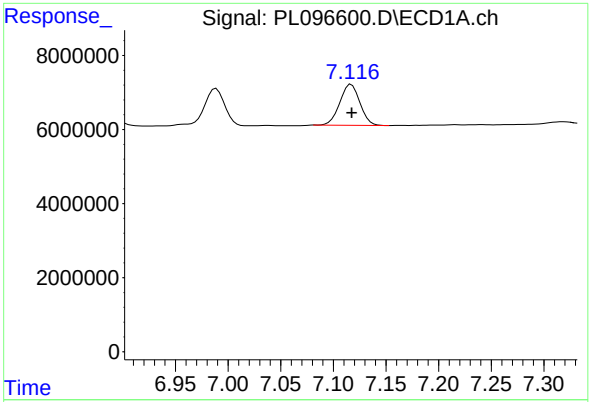
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 11040304
Conc: 5.20 ng/ml



#18 Endrin aldehyde

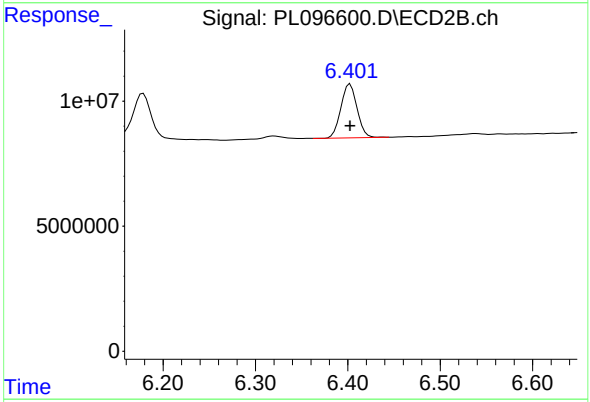
R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 29990732
Conc: 7.99 ng/ml



#19 Endosulfan Sulfate

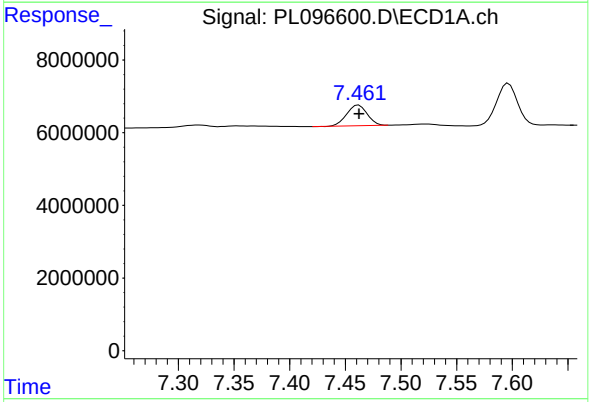
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 14782385
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



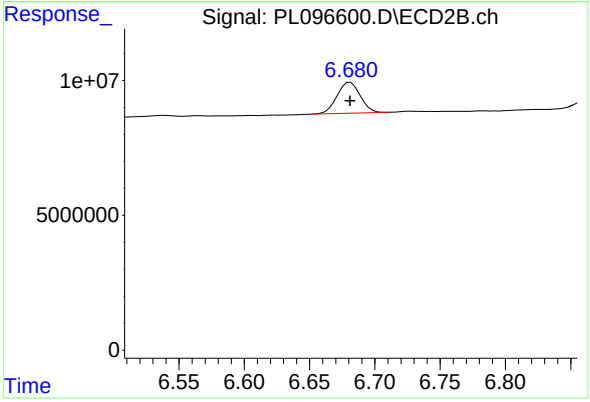
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 26237528
Conc: 5.18 ng/ml



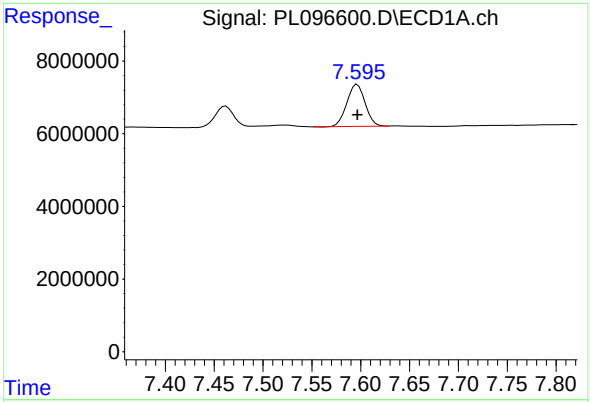
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 7310793
Conc: 4.95 ng/ml



#20 Methoxychlor

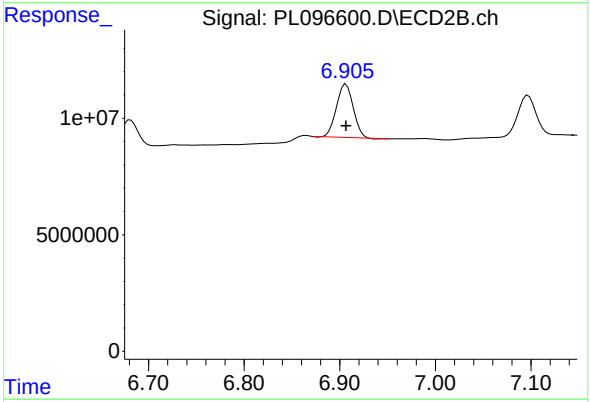
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 14153462
Conc: 5.18 ng/ml



#21 Endrin ketone

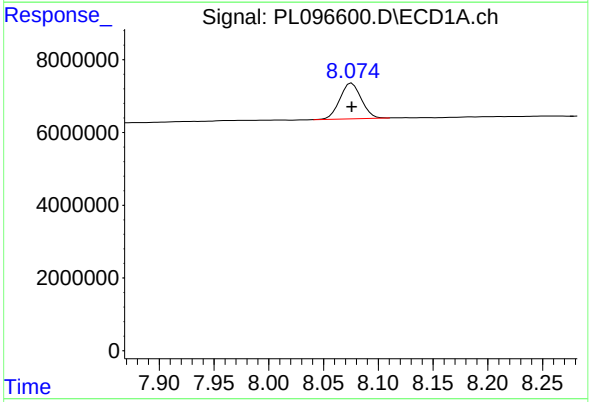
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 15006830
Conc: 5.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



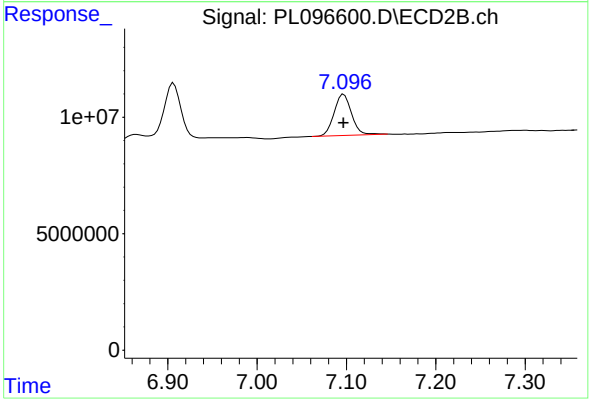
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 27568439
Conc: 4.99 ng/ml



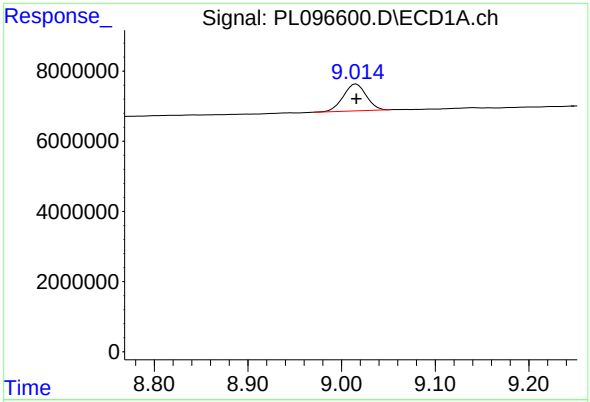
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 13350221
Conc: 5.47 ng/ml



#22 Mirex

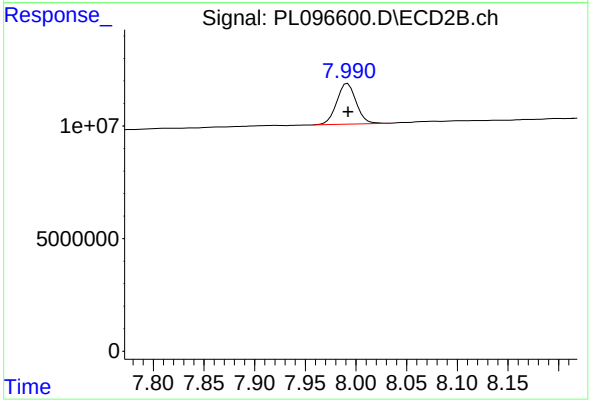
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 24190284
Conc: 5.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 13081800
Conc: 5.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 24155779
Conc: 5.72 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:47:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:20:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	161.0E6	247.3E6	50.630	51.756
28)	SA Decachlor...	9.015	7.992	117.1E6	221.9E6	49.100	51.159
	Target Compounds						
2)	A alpha-BHC	3.983	3.334	237.2E6	373.0E6	51.282	52.705
3)	MA gamma-BHC...	4.311	3.666	223.6E6	346.0E6	50.545	52.400
4)	MA Heptachlor	4.903	4.014	211.3E6	346.4E6	50.843	51.992
5)	MB Aldrin	5.243	4.297	215.6E6	324.1E6	50.122	52.220
6)	B beta-BHC	4.497	3.961	91859349	145.4E6	50.893	51.555
7)	B delta-BHC	0.000	4.195	0	338.7E6	N.D.	52.325 #
8)	B Heptachlo...	5.662	4.799	194.2E6	295.6E6	50.346	51.754
9)	A Endosulfan I	6.044	5.170	178.4E6	277.2E6	49.613	50.116
10)	B gamma-Chl...	5.916	5.051	193.4E6	305.7E6	50.837	51.997
11)	B alpha-Chl...	5.996	5.115	191.7E6	300.1E6	49.735	50.869
12)	B 4,4'-DDE	6.166	5.304	158.1E6	286.3E6	49.223	51.924
13)	MA Dieldrin	6.316	5.435	186.8E6	306.3E6	50.341	51.858
14)	MA Endrin	6.543	5.709	147.3E6	272.8E6	48.674	50.462
15)	B Endosulfa...	6.755	6.001	158.8E6	265.2E6	49.582	51.632
16)	A 4,4'-DDD	6.675	5.856	126.9E6	242.0E6	50.209	51.423
17)	MA 4,4'-DDT	6.989	6.109	144.5E6	261.7E6	50.400	51.730
18)	B Endrin al...	6.883	6.179	108.5E6	197.4E6	50.570	53.386
19)	B Endosulfa...	7.117	6.402	143.9E6	262.8E6	50.068	51.670
20)	A Methoxychlor	7.462	6.681	74330342	140.5E6	50.622	51.276
21)	B Endrin ke...	7.597	6.907	153.3E6	289.7E6	50.977	52.006
22)	Mirex	8.076	7.097	123.5E6	221.2E6	49.793	50.730
24)	Chlordane-2	5.243f	0.000	215.6E6	0	1231.798	N.D. #
25)	Chlordane-3	5.916	5.051	193.4E6	305.7E6	289.617	439.735 #
26)	Chlordane-4	5.996	5.115	191.7E6	300.1E6	231.618	482.173 #
27)	Chlordane-5	0.000	6.001	0	265.2E6	N.D.	1039.524 #

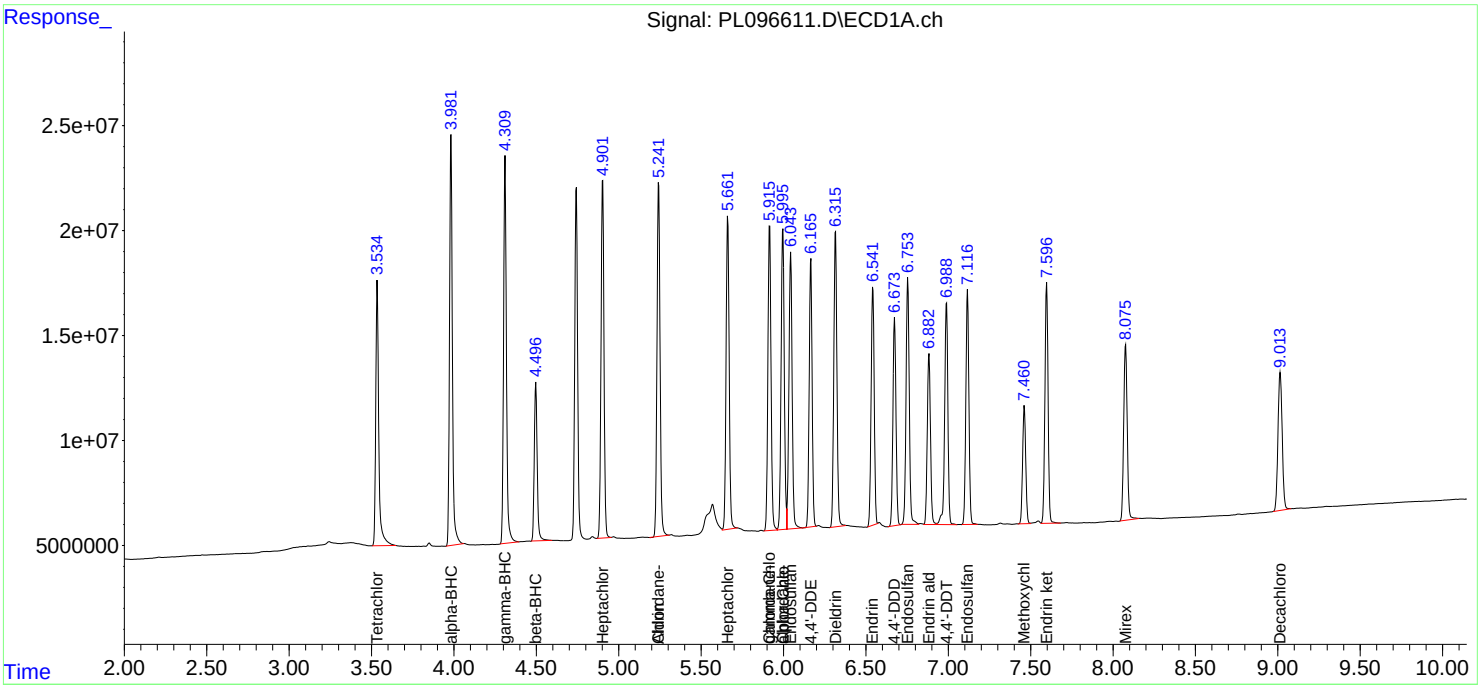
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

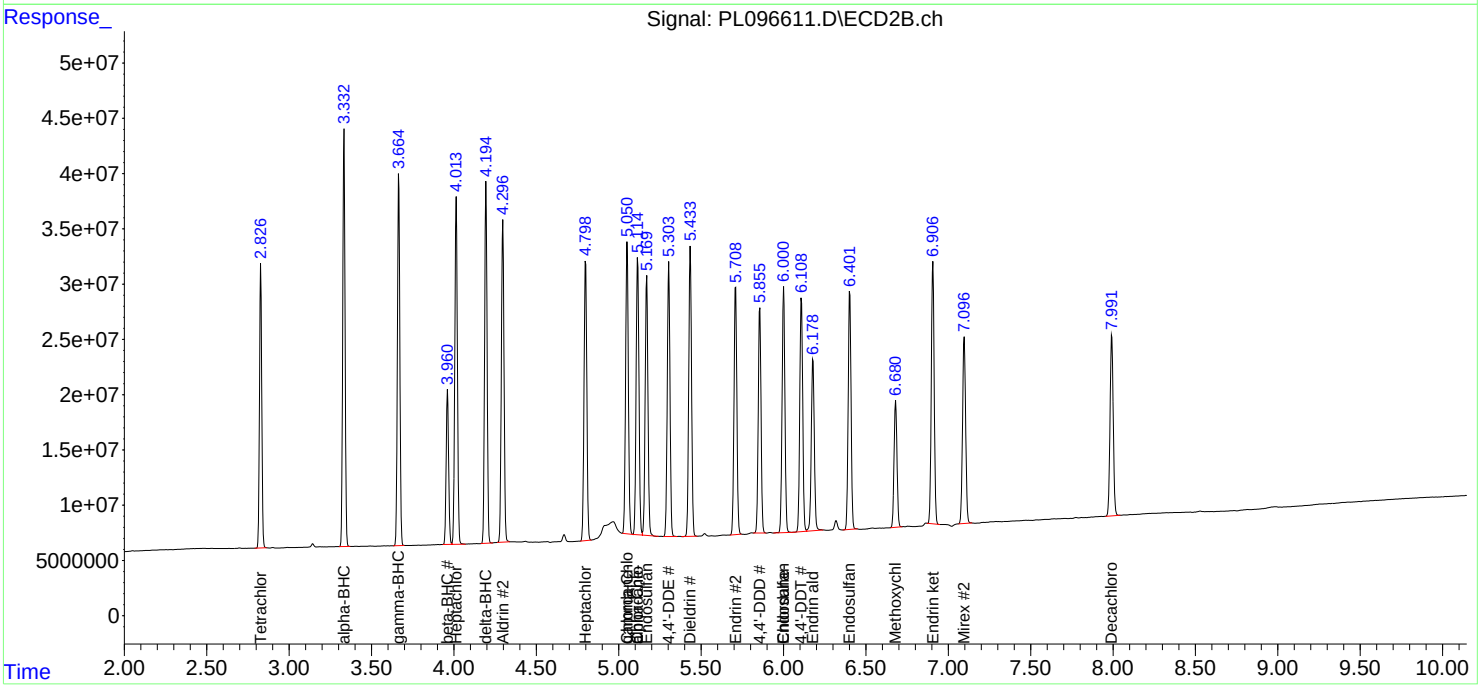
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

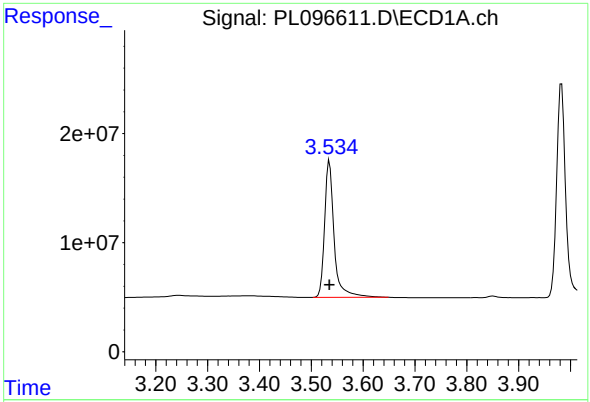
Instrument :
ECD_L
ClientSampleId :
ICVPL072825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:47:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:20:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



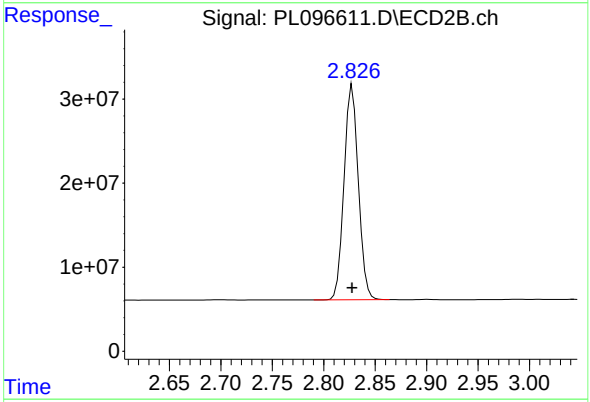




#1 Tetrachloro-m-xylene

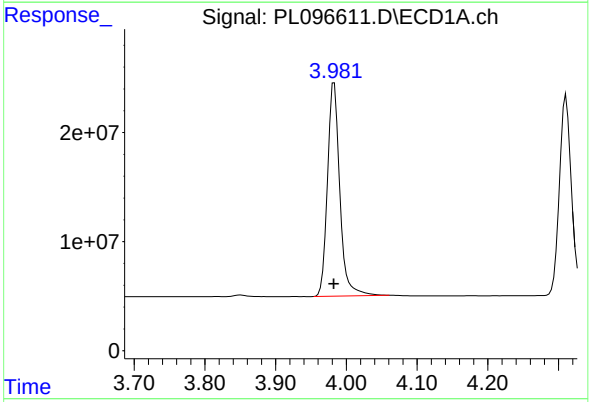
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 161043183
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



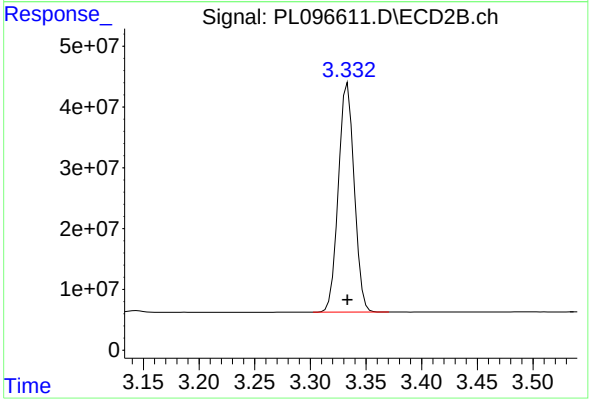
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 247278851
Conc: 51.76 ng/ml



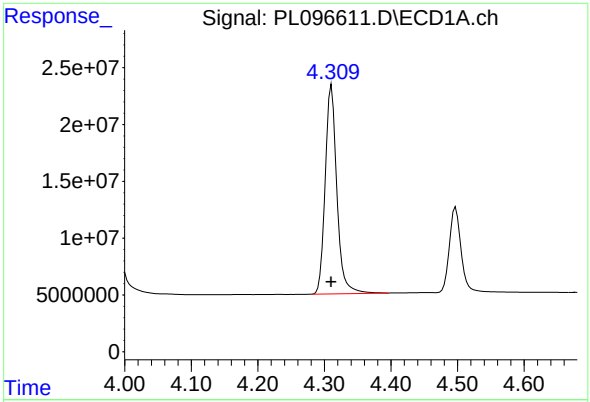
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 237249143
Conc: 51.28 ng/ml



#2 alpha-BHC

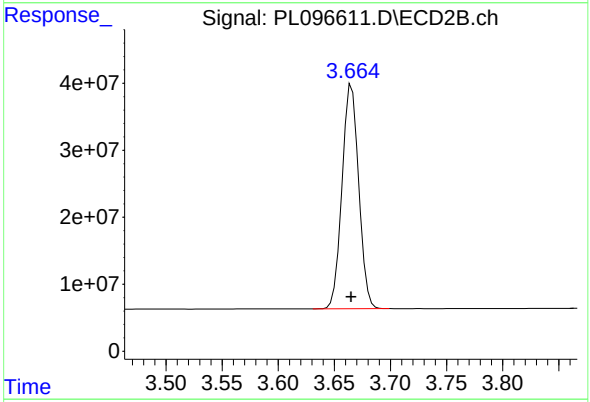
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 372995453
Conc: 52.71 ng/ml



#3 gamma-BHC (Lindane)

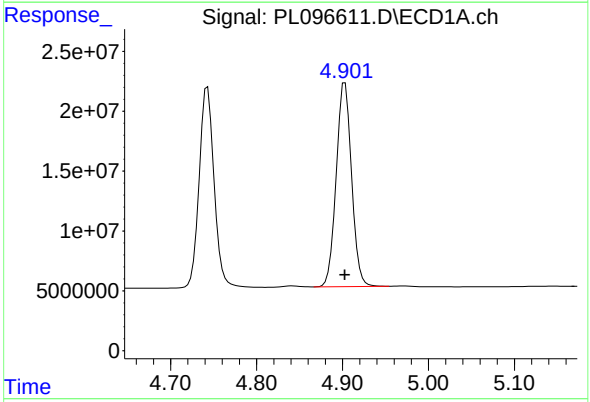
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 223584100
Conc: 50.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



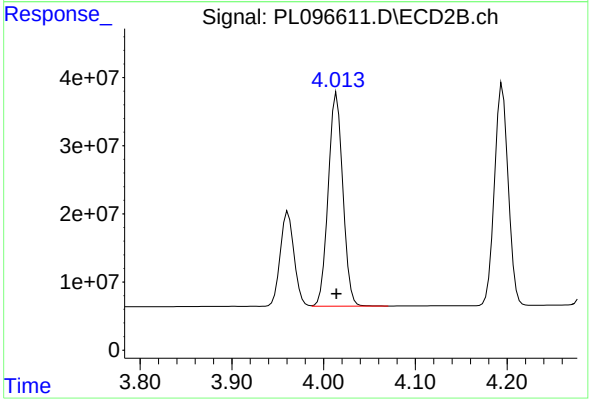
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 346014885
Conc: 52.40 ng/ml



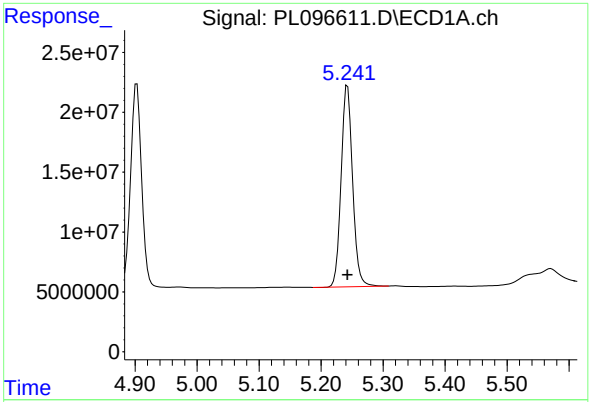
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 211285693
Conc: 50.84 ng/ml



#4 Heptachlor

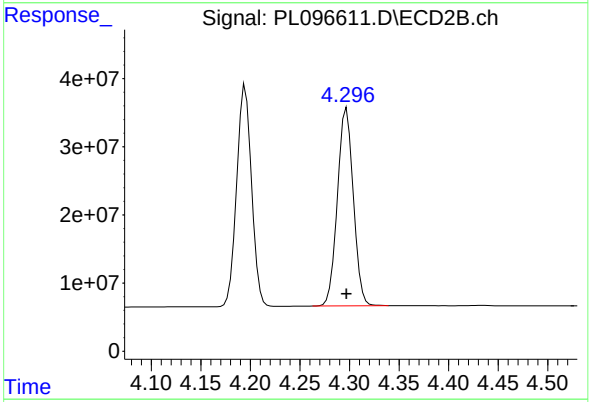
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 346369326
Conc: 51.99 ng/ml



#5 Aldrin

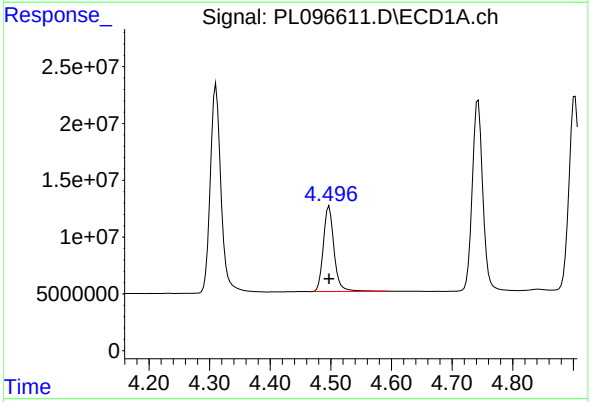
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 215573068
Conc: 50.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



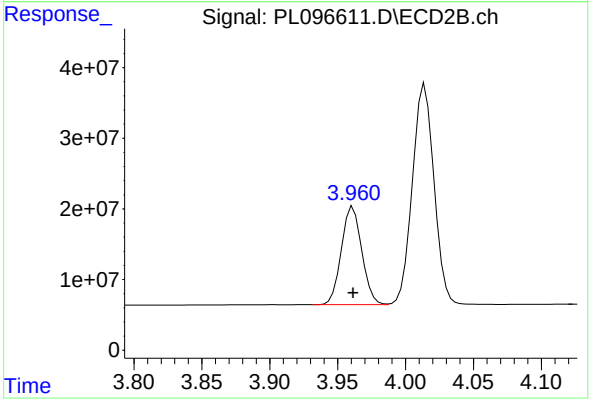
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 324132499
Conc: 52.22 ng/ml



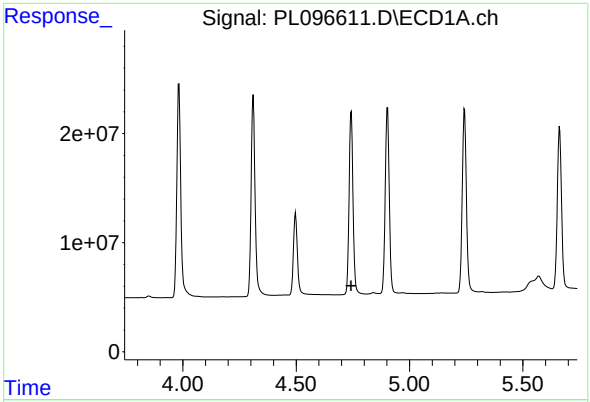
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 91859349
Conc: 50.89 ng/ml



#6 beta-BHC

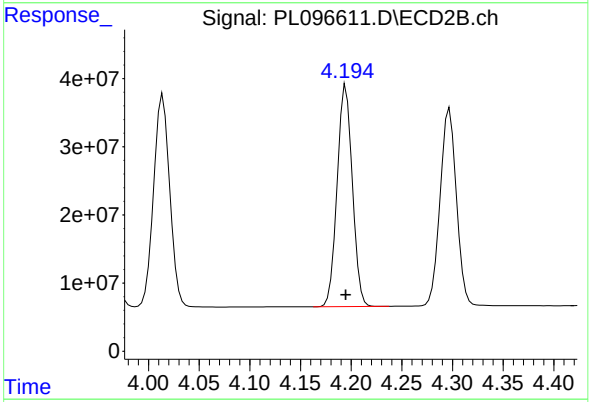
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 145431130
Conc: 51.55 ng/ml



#7 delta-BHC

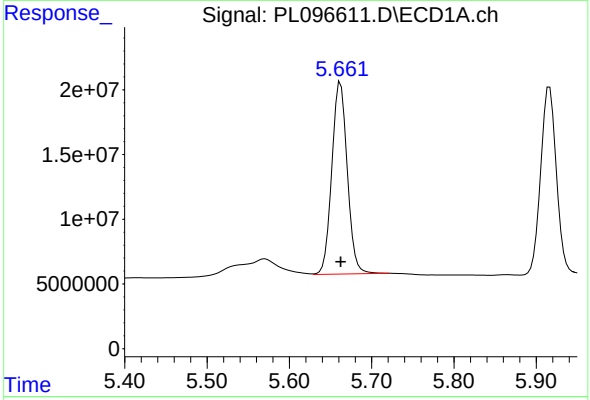
R.T.: 0.000 min
Exp R.T. : 4.743 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



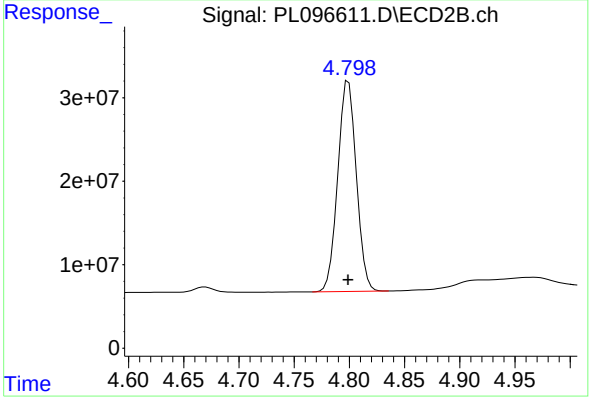
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 338731728
Conc: 52.32 ng/ml



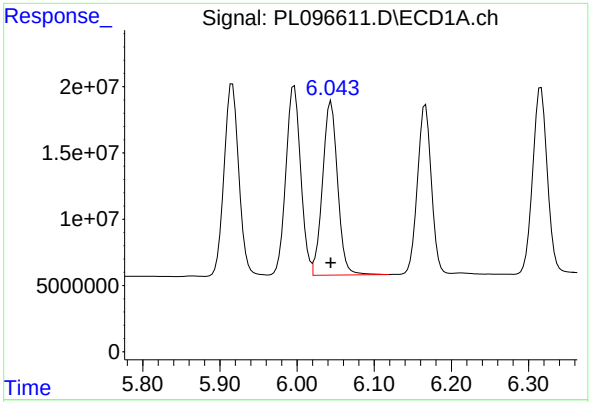
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 194162959
Conc: 50.35 ng/ml



#8 Heptachlor epoxide

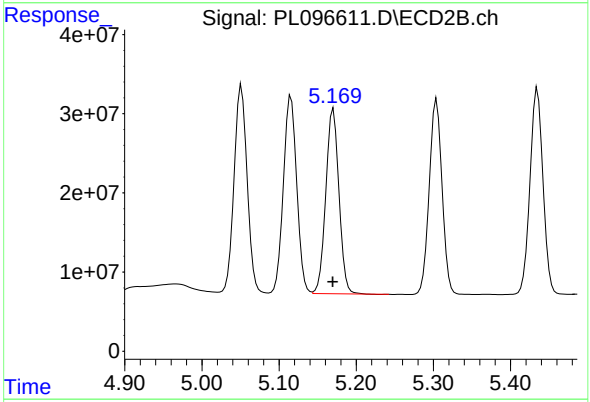
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 295584103
Conc: 51.75 ng/ml



#9 Endosulfan I

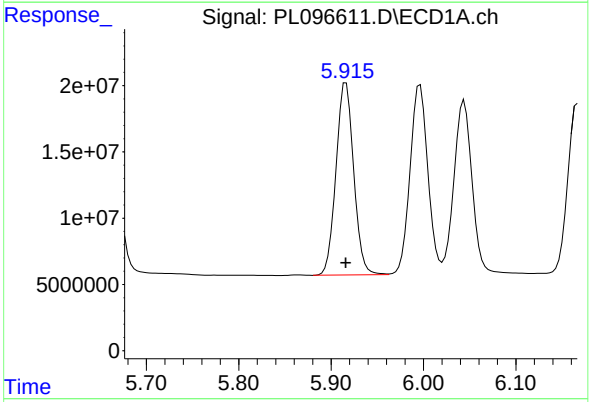
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 178427332
Conc: 49.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



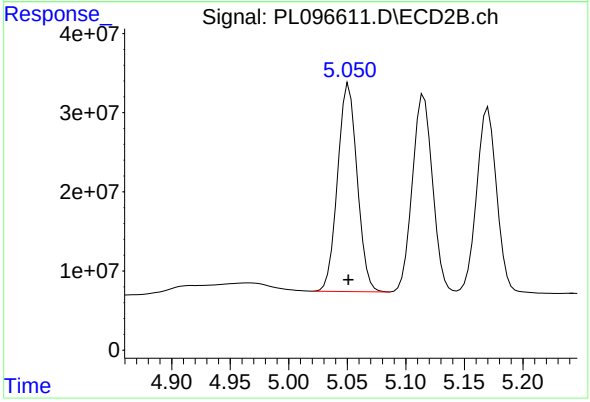
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 277213283
Conc: 50.12 ng/ml



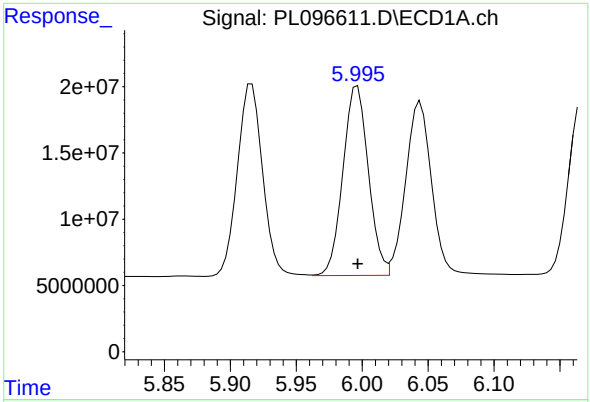
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 193445906
Conc: 50.84 ng/ml



#10 gamma-Chlordane

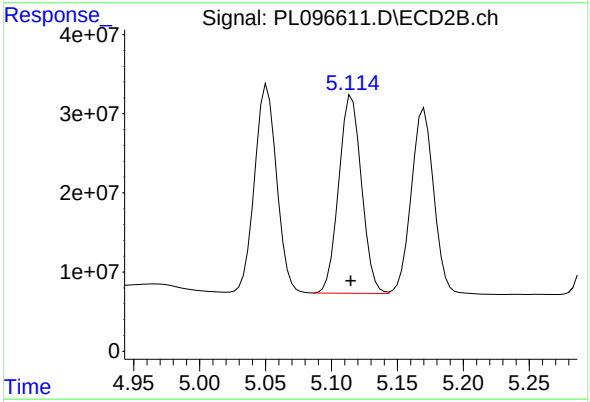
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 305748780
Conc: 52.00 ng/ml



#11 alpha-Chlordane

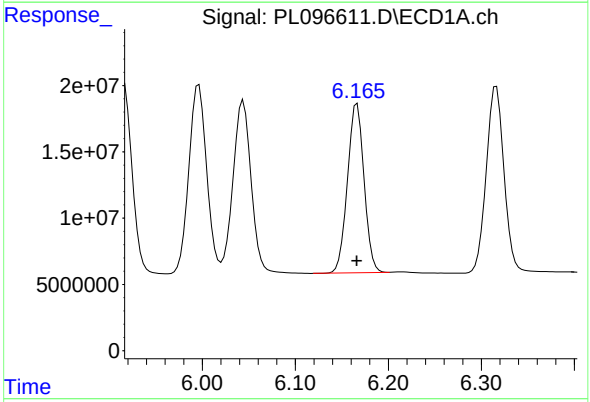
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 191709507
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



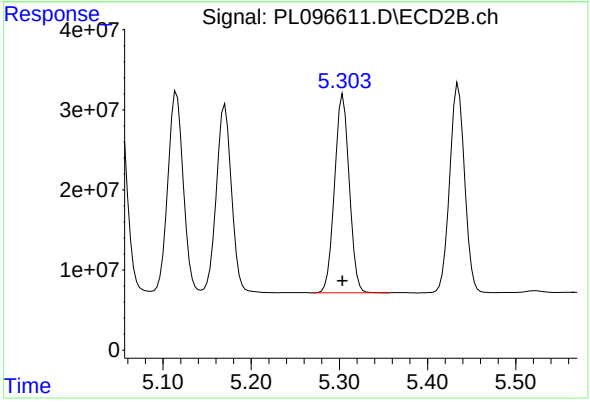
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300071767
Conc: 50.87 ng/ml



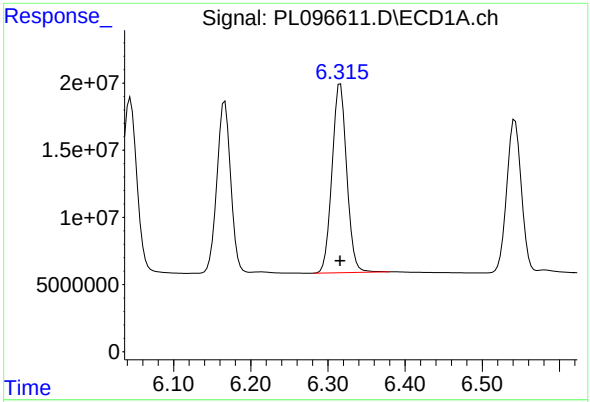
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 158068181
Conc: 49.22 ng/ml



#12 4,4'-DDE

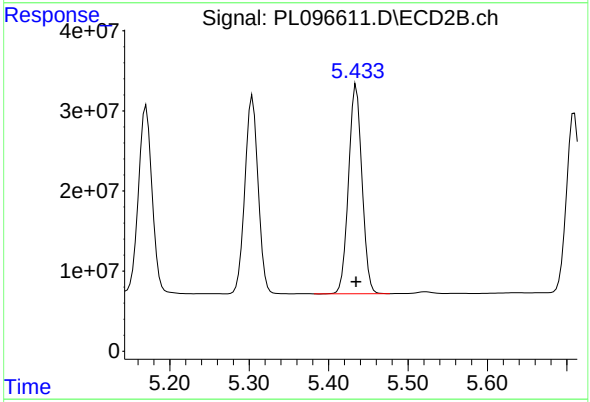
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 286332408
Conc: 51.92 ng/ml



#13 Dieldrin

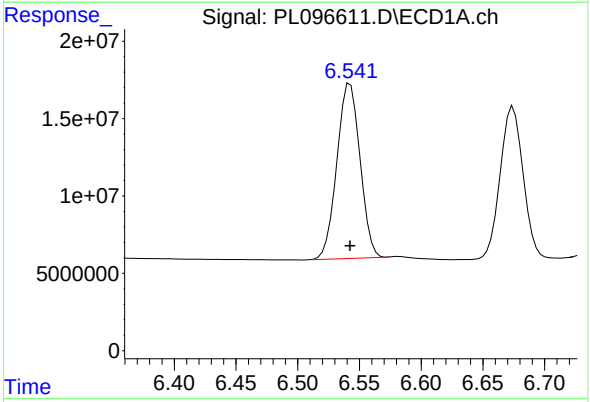
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 186821697
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



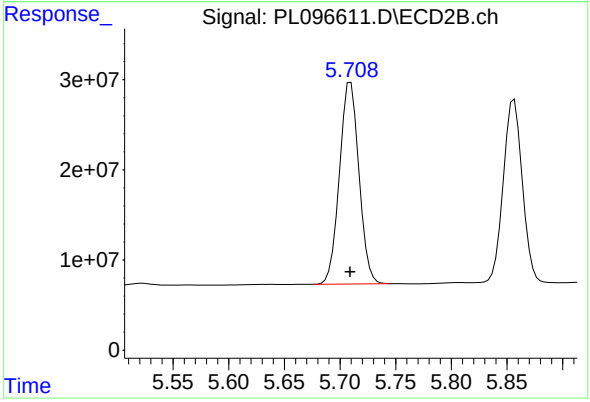
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 306303510
Conc: 51.86 ng/ml



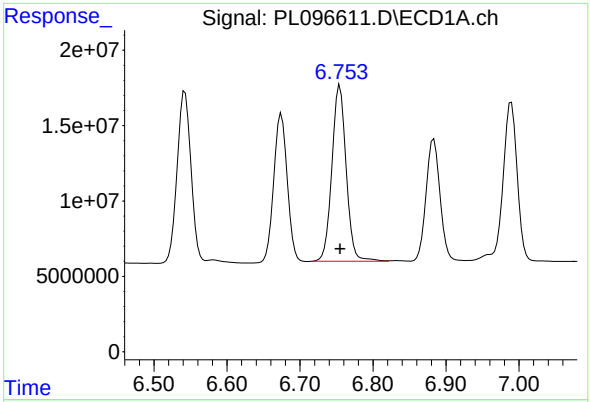
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 147327440
Conc: 48.67 ng/ml



#14 Endrin

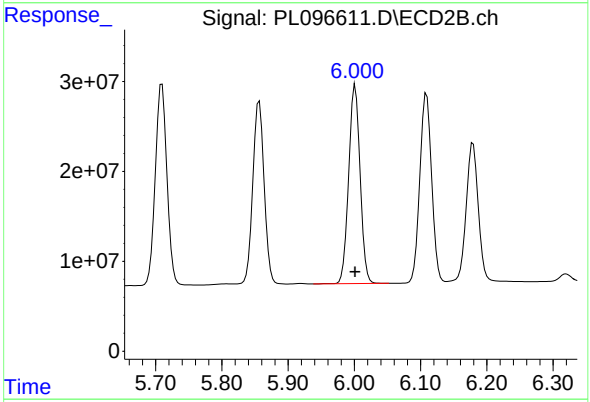
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 272795312
Conc: 50.46 ng/ml



#15 Endosulfan II

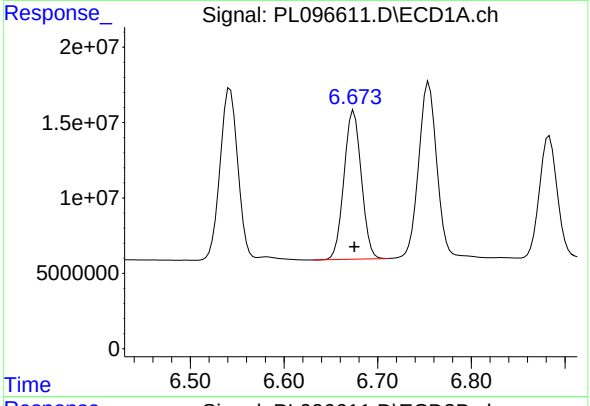
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 158792104
Conc: 49.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



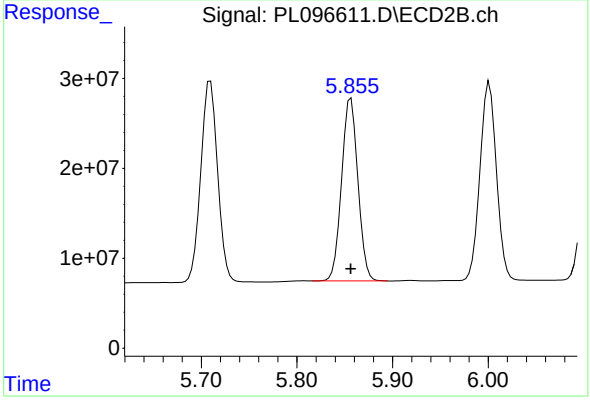
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 265195055
Conc: 51.63 ng/ml



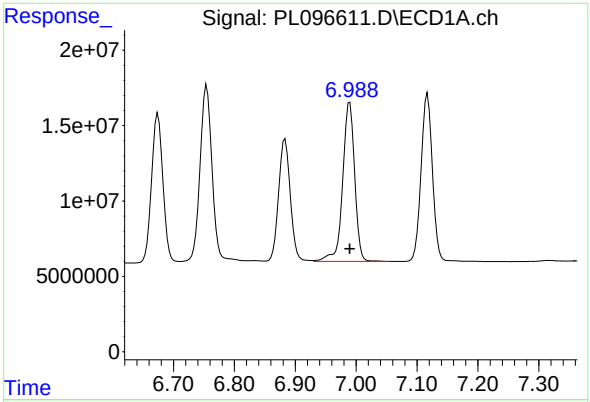
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 126947170
Conc: 50.21 ng/ml



#16 4,4'-DDD

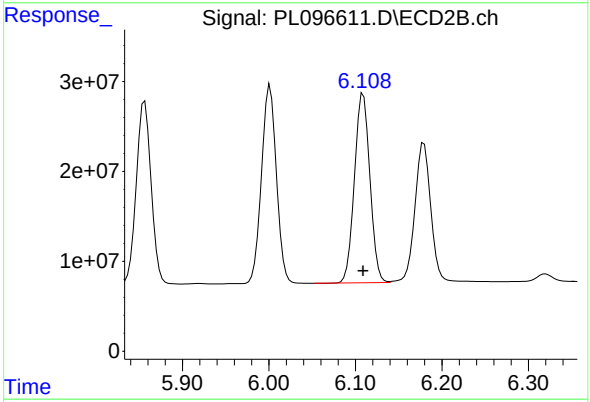
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 241958902
Conc: 51.42 ng/ml



#17 4,4'-DDT

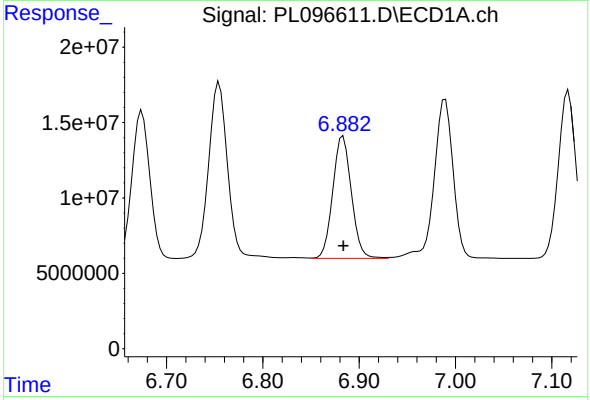
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 144531756
Conc: 50.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



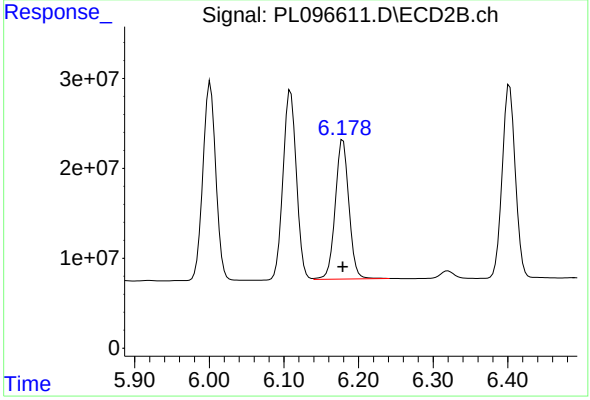
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 261665047
Conc: 51.73 ng/ml



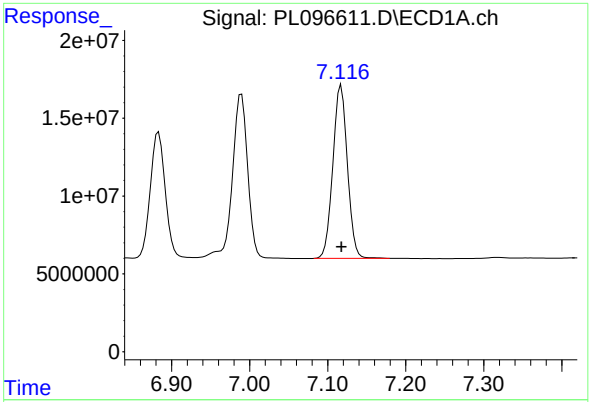
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 108518783
Conc: 50.57 ng/ml



#18 Endrin aldehyde

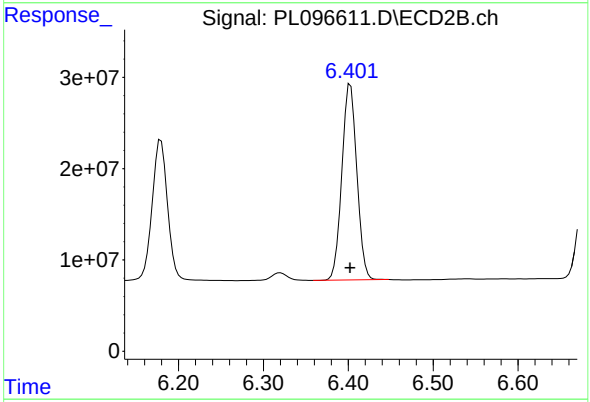
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 197425966
Conc: 53.39 ng/ml



#19 Endosulfan Sulfate

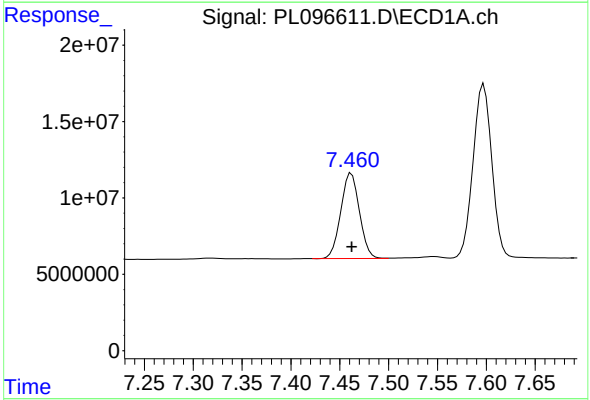
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 143881166
Conc: 50.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



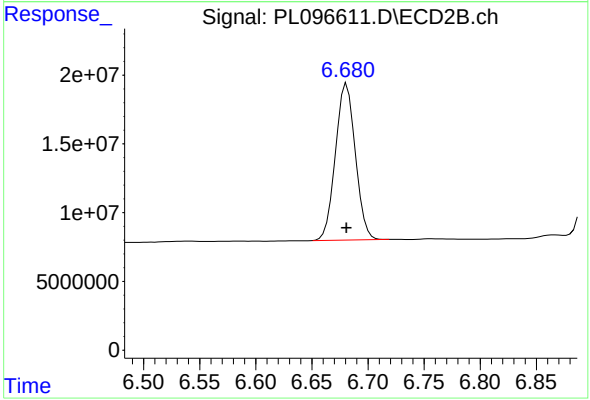
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 262804486
Conc: 51.67 ng/ml



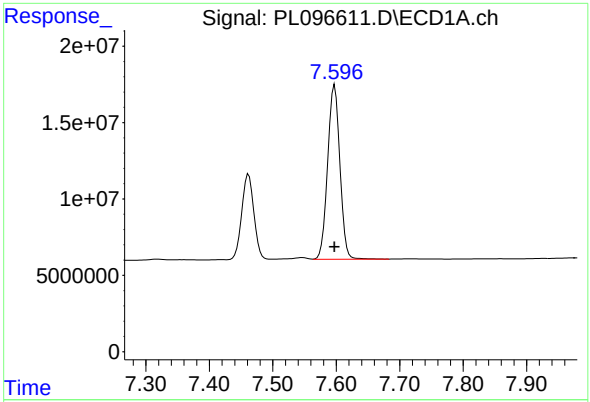
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 74330342
Conc: 50.62 ng/ml



#20 Methoxychlor

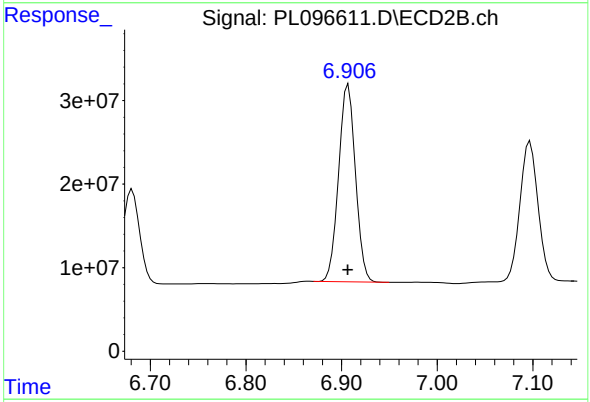
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 140523051
Conc: 51.28 ng/ml



#21 Endrin ketone

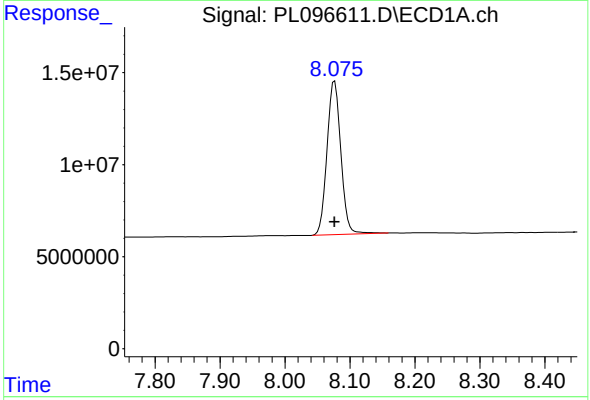
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 153274359
Conc: 50.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



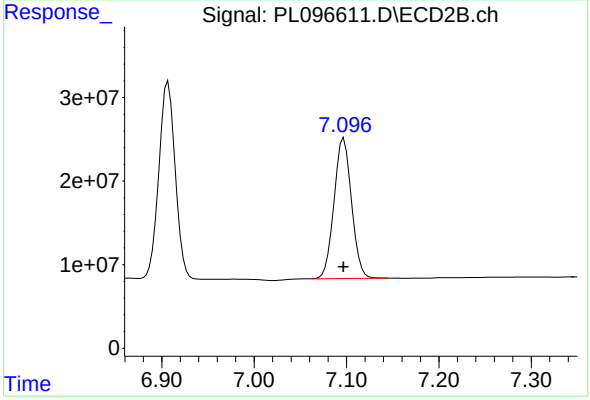
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 289661773
Conc: 52.01 ng/ml



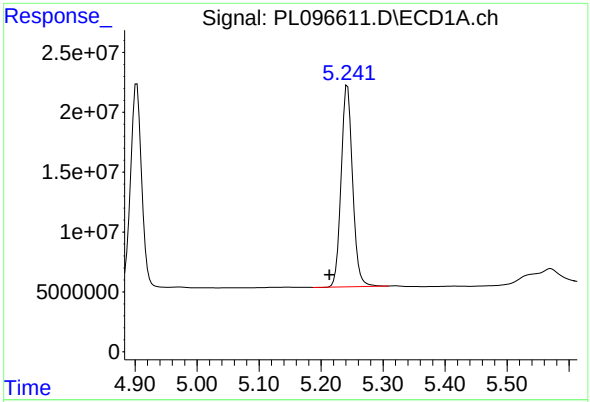
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 123454153
Conc: 49.79 ng/ml



#22 Mirex

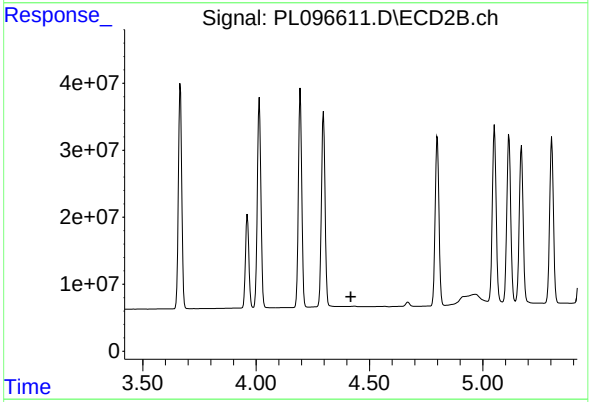
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 221225472
Conc: 50.73 ng/ml



#24 Chlordane-2

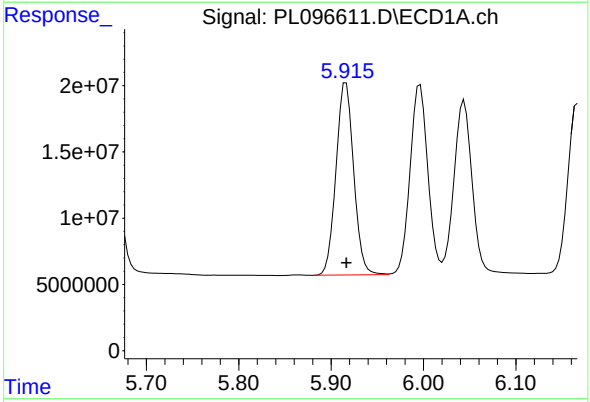
R.T.: 5.243 min
Delta R.T.: 0.029 min
Response: 215573068
Conc: 1231.80 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



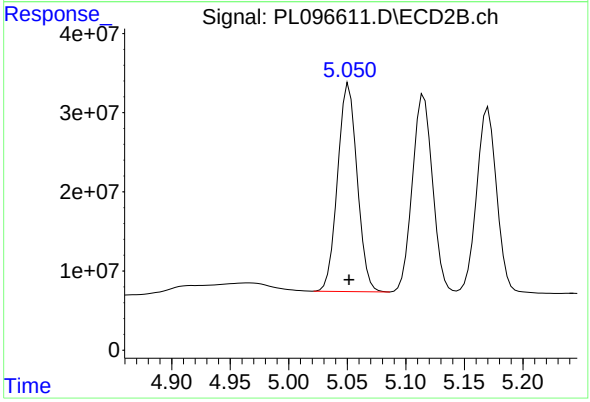
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



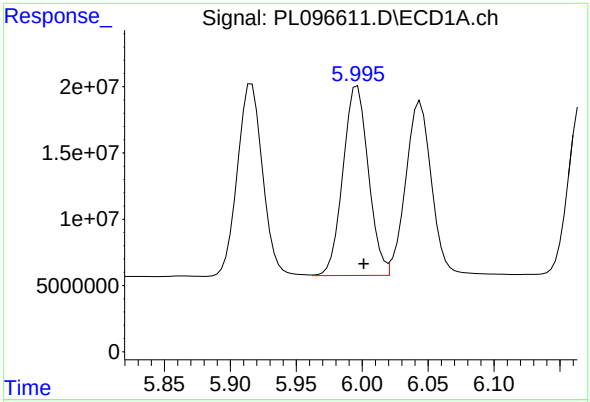
#25 Chlordane-3

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 193445906
Conc: 289.62 ng/ml



#25 Chlordane-3

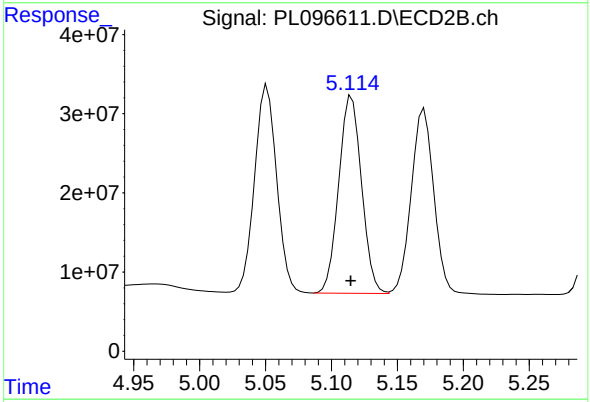
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 305748780
Conc: 439.73 ng/ml



#26 Chlordane-4

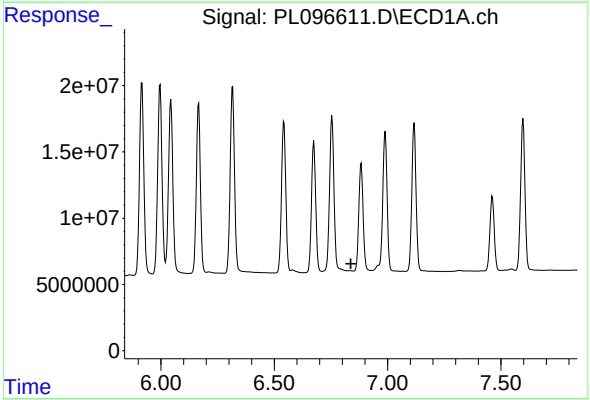
R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 191709507
Conc: 231.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



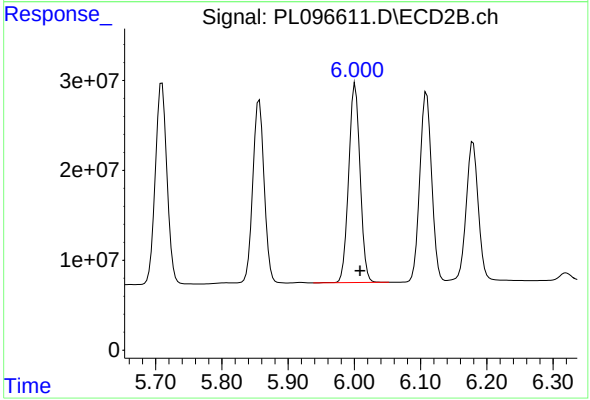
#26 Chlordane-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300071767
Conc: 482.17 ng/ml



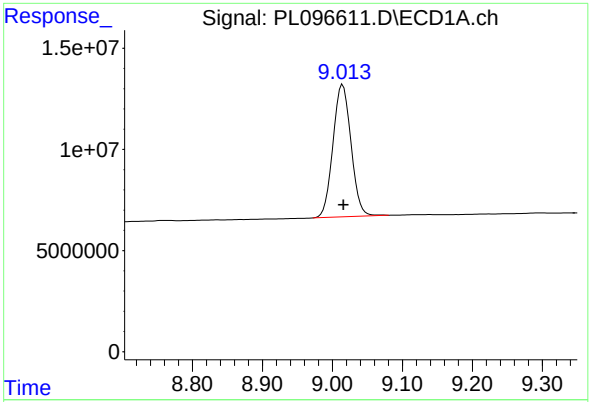
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

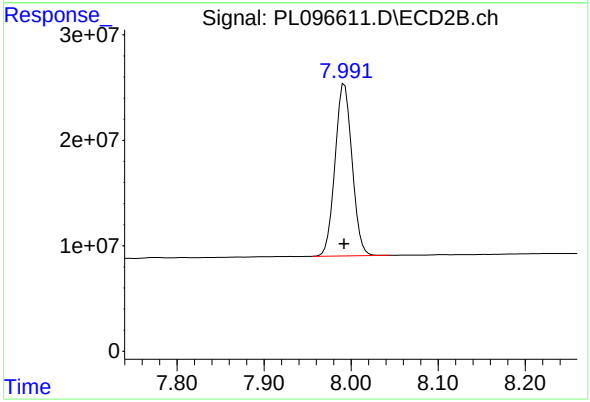
R.T.: 6.001 min
Delta R.T.: -0.007 min
Response: 265195055
Conc: 1039.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.001 min
Response: 117087022
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 221944303
Conc: 51.16 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 09:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.825	77015896	126.9E6	24.213	26.569	
28)	SA Decachlor...	9.012	7.990	61470037	115.4E6	25.777	26.595	
	Target Compounds							
2)	A alpha-BHC	3.981	3.332	54242042	84882165	11.725	11.994	
3)	MA gamma-BHC...	4.309	3.664	52430005	80405774	11.853	12.176	
6)	B beta-BHC	4.496	3.960	22693183	36906535	12.573	13.083	
8)	B Heptachlo...	5.653	0.000	1532903	0	0.397	N.D.	#
14)	MA Endrin	6.541	5.707	164.4E6	299.7E6	54.301	55.439	
16)	A 4,4'-DDD	6.673	5.855	18365176	32856042	7.264	6.983	
17)	MA 4,4'-DDT	6.987	6.107	311.8E6	571.3E6	108.735	112.941	
18)	B Endrin al...	6.883	6.178	6444942	18849958	3.003	1.906	#
20)	A Methoxychlor	7.460	6.679	382.2E6	686.8E6	260.259	250.628	
21)	B Endrin ke...	7.594	6.905	17550030	31486837	5.837	5.653	

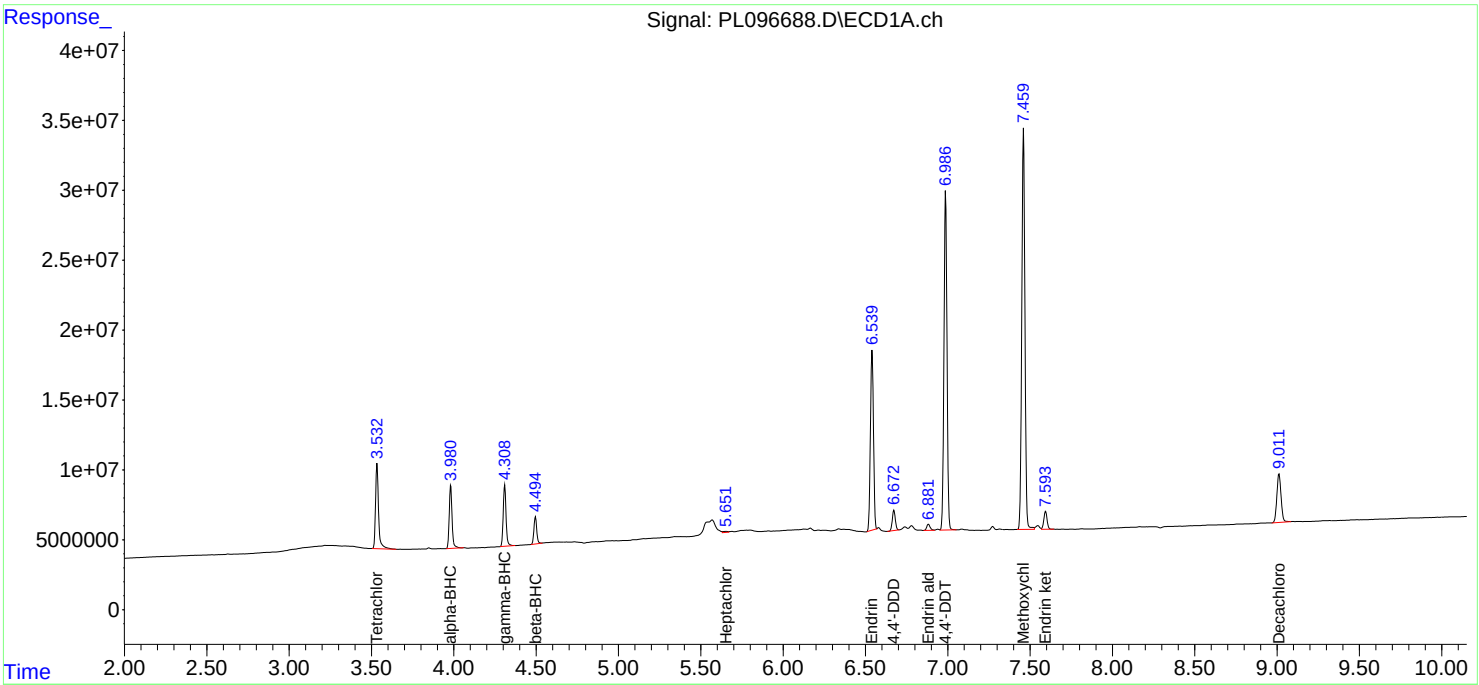
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

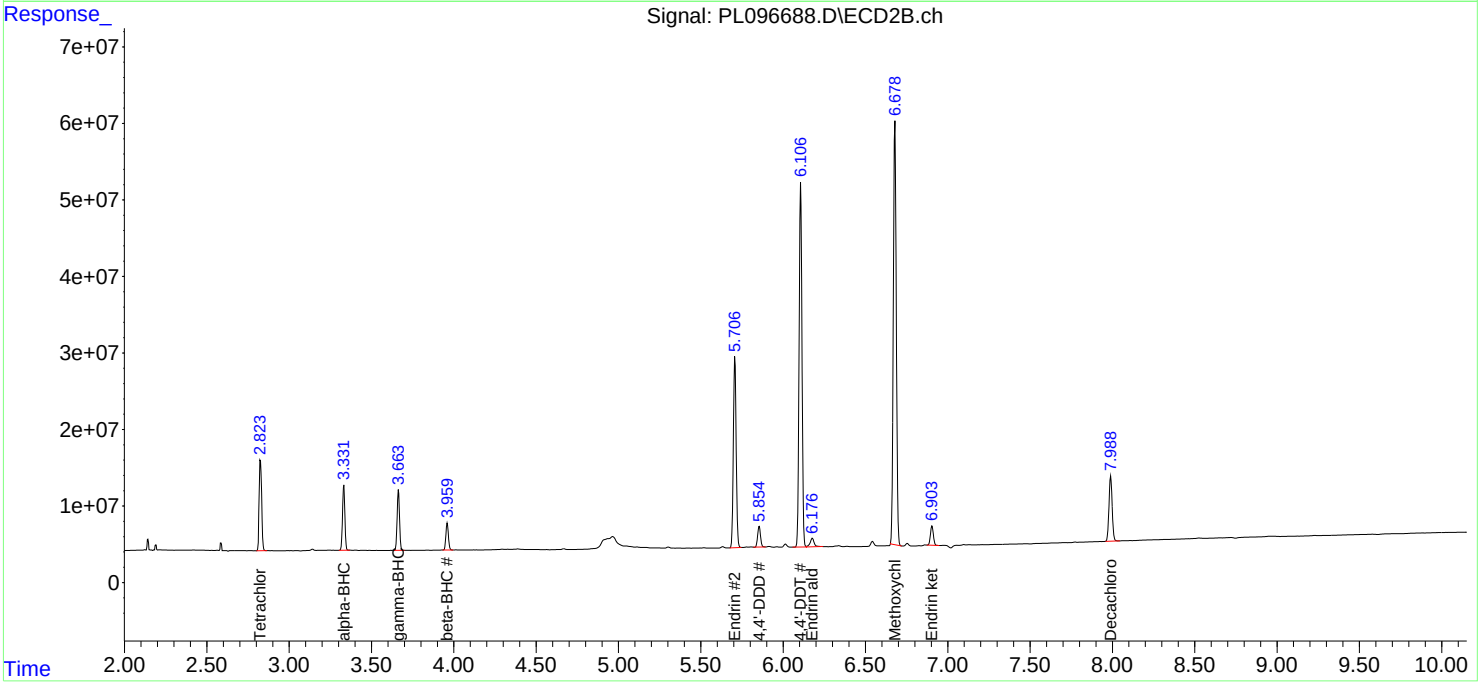
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 09:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

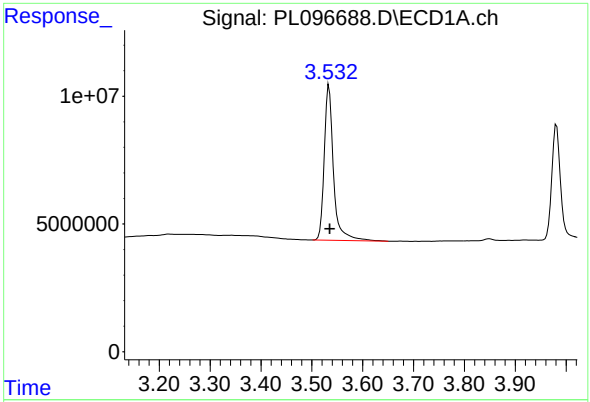
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



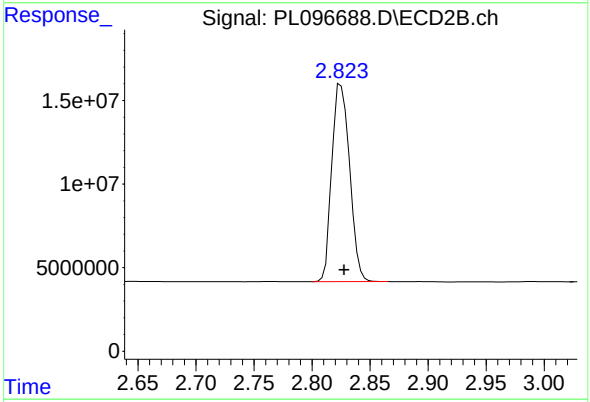




#1 Tetrachloro-m-xylene

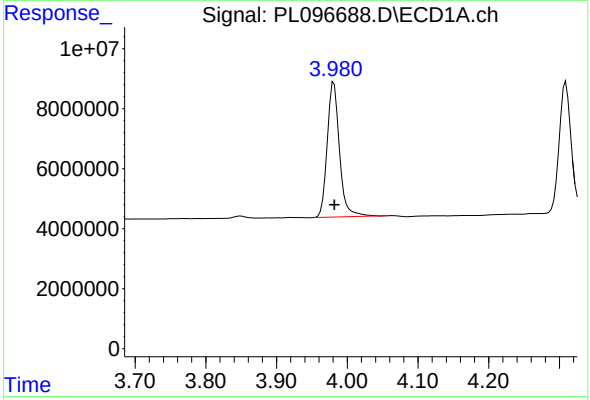
R.T.: 3.534 min
Delta R.T.: -0.001 min
Response: 77015896
Conc: 24.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



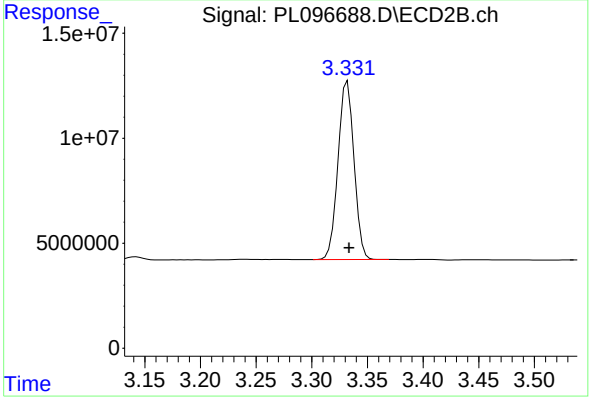
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.002 min
Response: 126939868
Conc: 26.57 ng/ml



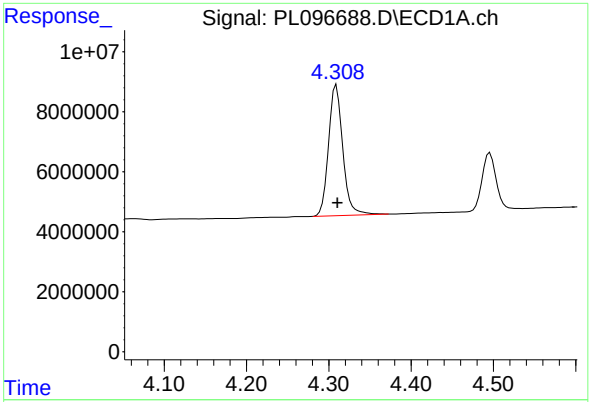
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: 0.000 min
Response: 54242042
Conc: 11.72 ng/ml



#2 alpha-BHC

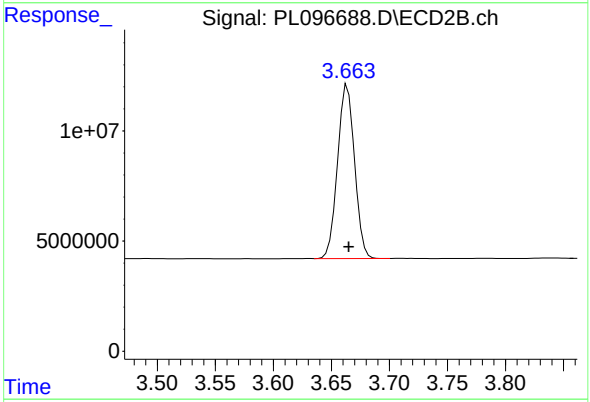
R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 84882165
Conc: 11.99 ng/ml



#3 gamma-BHC (Lindane)

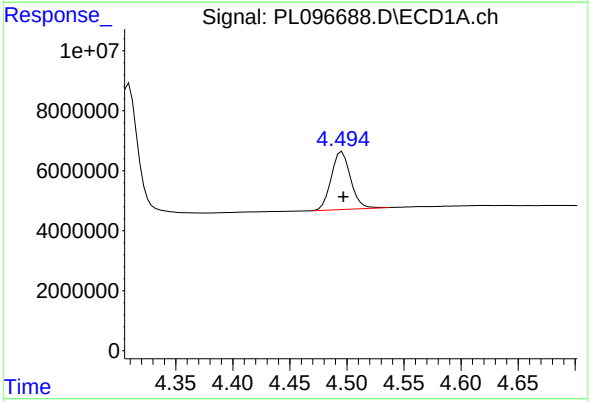
R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 52430005
Conc: 11.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



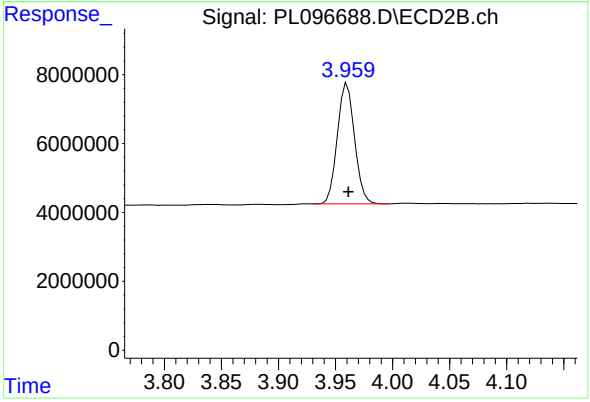
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.001 min
Response: 80405774
Conc: 12.18 ng/ml



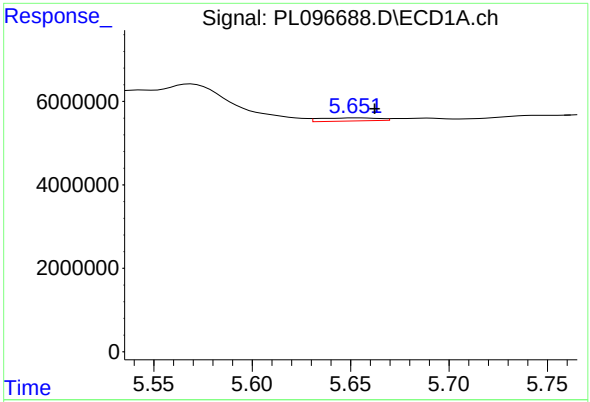
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 22693183
Conc: 12.57 ng/ml



#6 beta-BHC

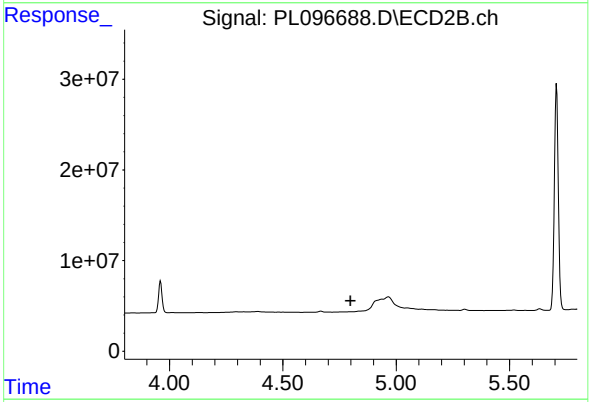
R.T.: 3.960 min
Delta R.T.: 0.000 min
Response: 36906535
Conc: 13.08 ng/ml



#8 Heptachlor epoxide

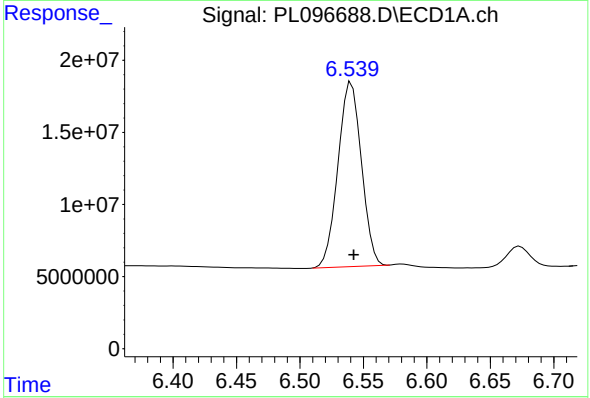
R.T.: 5.653 min
Delta R.T.: -0.009 min
Response: 1532903
Conc: 0.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



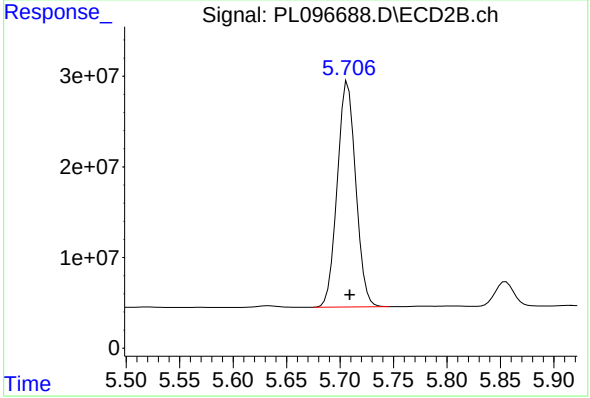
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



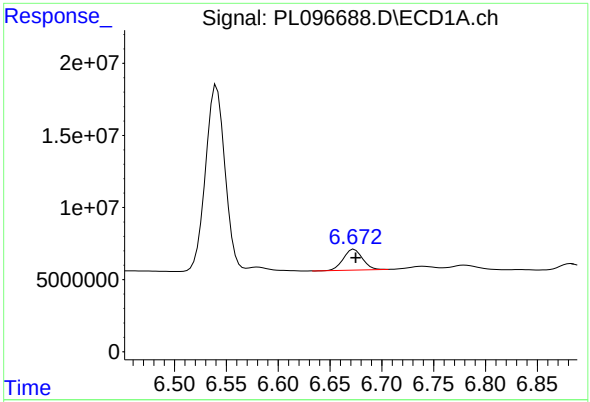
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 164358392
Conc: 54.30 ng/ml



#14 Endrin

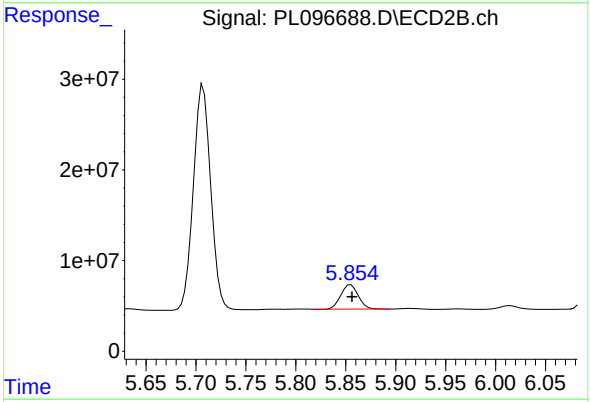
R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 299703230
Conc: 55.44 ng/ml



#16 4,4'-DDD

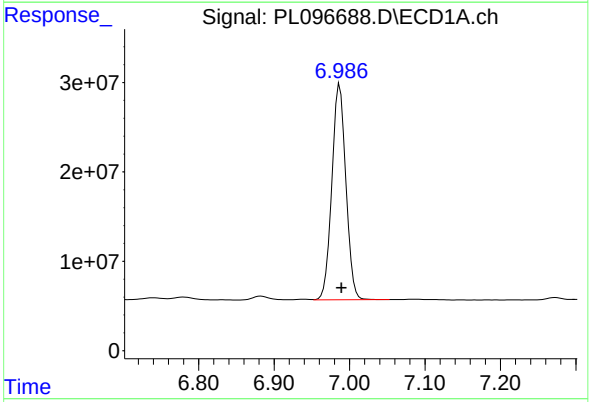
R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 18365176
Conc: 7.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



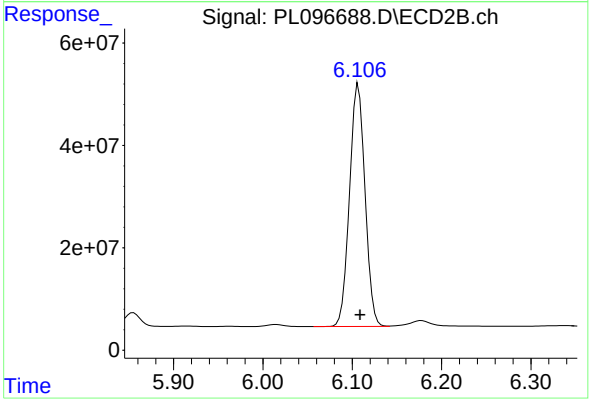
#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.001 min
Response: 32856042
Conc: 6.98 ng/ml



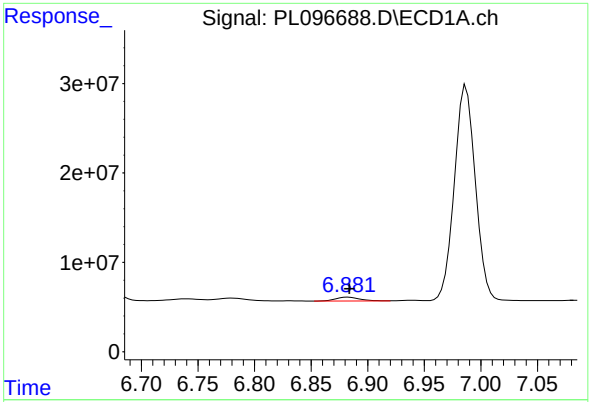
#17 4,4'-DDT

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 311818033
Conc: 108.74 ng/ml



#17 4,4'-DDT

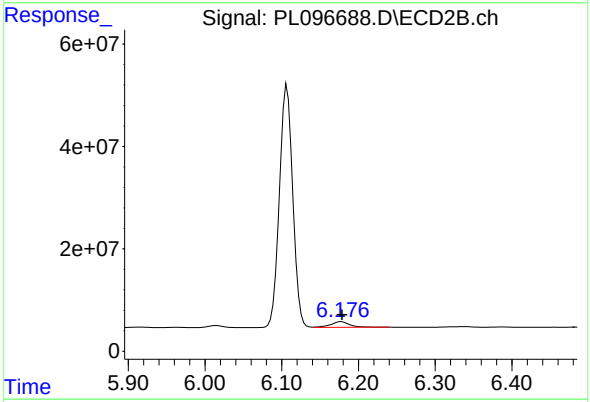
R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 571289046
Conc: 112.94 ng/ml



#18 Endrin aldehyde

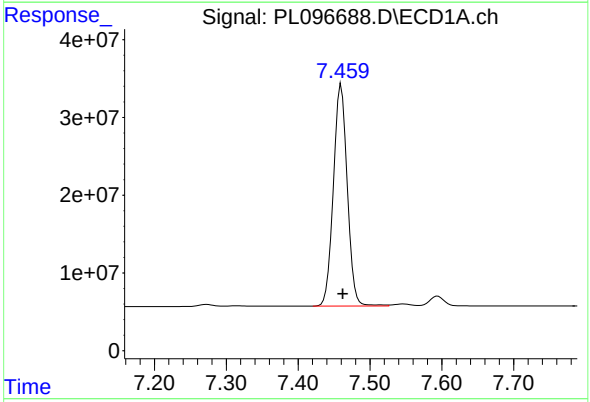
R.T.: 6.883 min
Delta R.T.: -0.001 min
Response: 6444942
Conc: 3.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



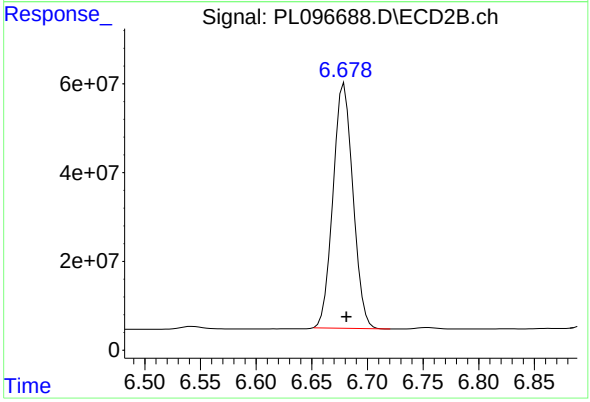
#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 18849958
Conc: 1.91 ng/ml



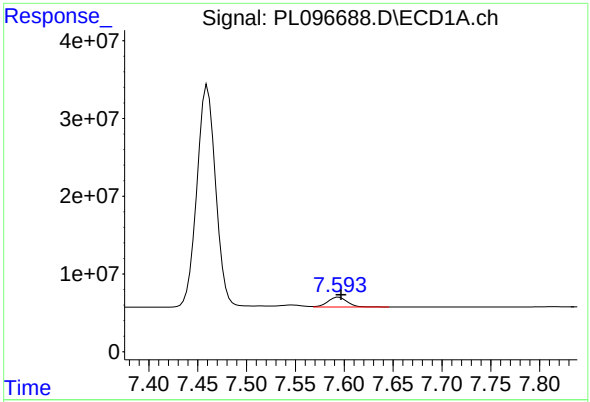
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 382152607
Conc: 260.26 ng/ml



#20 Methoxychlor

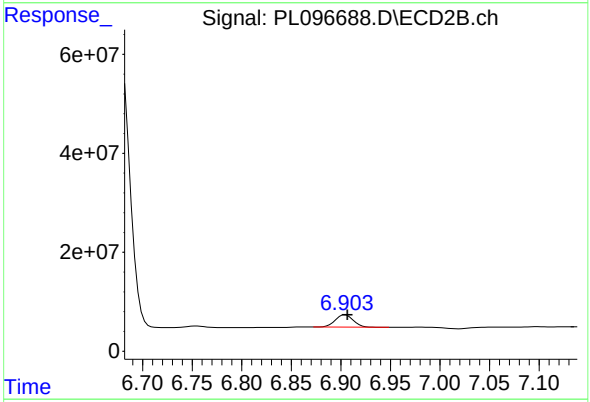
R.T.: 6.679 min
Delta R.T.: -0.002 min
Response: 686845140
Conc: 250.63 ng/ml



#21 Endrin ketone

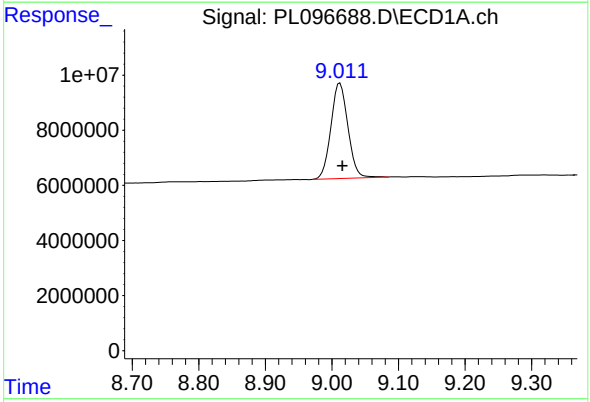
R.T.: 7.594 min
Delta R.T.: -0.002 min
Response: 17550030
Conc: 5.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



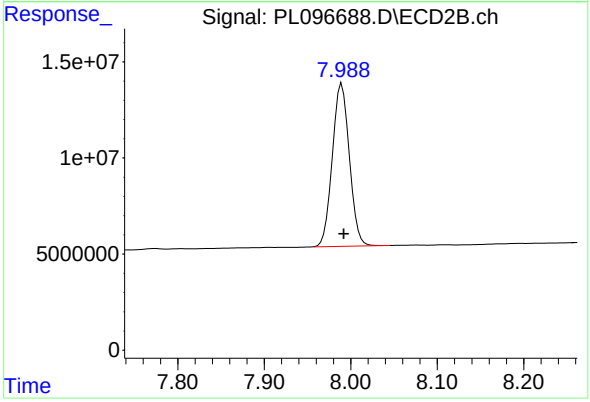
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.002 min
Response: 31486837
Conc: 5.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.012 min
Delta R.T.: -0.004 min
Response: 61470037
Conc: 25.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 115376995
Conc: 26.59 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.533	2.825	171.0E6	265.6E6	53.761	55.586	
28)	SA Decachlor...	9.015	7.990	131.6E6	244.4E6	55.167	56.347	
	Target Compounds							
2)	A alpha-BHC	3.981	3.330	251.3E6	393.3E6	54.328	55.580	
3)	MA gamma-BHC...	4.309	3.663	238.5E6	363.5E6	53.914	55.047	
4)	MA Heptachlor	4.902	4.011	224.9E6	352.3E6	54.120	52.883	
5)	MB Aldrin	5.241	4.294	217.0E6	339.6E6	50.462	54.708	
6)	B beta-BHC	4.496	3.959	98411164	154.6E6	54.522	54.804	
7)	B delta-BHC	0.000	4.192	0	354.5E6	N.D.	54.765	#
8)	B Heptachlo...	5.661	4.797	205.8E6	308.6E6	53.371	54.032	
9)	A Endosulfan I	6.043	5.167	192.1E6	290.0E6	53.402	52.422	
10)	B gamma-Chl...	5.916	5.049	208.0E6	324.6E6	54.665	55.209	
11)	B alpha-Chl...	5.996	5.113	206.1E6	316.1E6	53.478	53.592	
12)	B 4,4'-DDE	6.166	5.302	169.9E6	304.3E6	52.901	55.190	
13)	MA Dieldrin	6.315	5.433	200.1E6	323.6E6	53.927	54.786	
14)	MA Endrin	6.542	5.707	147.3E6	258.7E6	48.674	47.845	
15)	B Endosulfa...	6.755	6.000	164.8E6	278.9E6	51.443	54.300	
16)	A 4,4'-DDD	6.675	5.855	144.4E6	260.2E6	57.131	55.298	
17)	MA 4,4'-DDT	6.989	6.107	138.7E6	259.9E6	48.361	51.385	
18)	B Endrin al...	6.883	6.178	118.6E6	206.9E6	55.277	56.103	
19)	B Endosulfa...	7.117	6.401	154.2E6	277.0E6	53.645	54.456	
20)	A Methoxychlor	7.462	6.680	68407863	130.9E6	46.588	47.761	
21)	B Endrin ke...	7.596	6.906	170.4E6	314.1E6	56.687	56.396	
22)	Mirex	8.076	7.096	133.4E6	235.9E6	53.791	54.088	
24)	Chlordane-2	5.241f	0.000	217.0E6	0	1240.174	N.D.	#
25)	Chlordane-3	5.916	5.049	208.0E6	324.6E6	311.426	466.901	#
26)	Chlordane-4	5.996	5.113	206.1E6	316.1E6	249.052	507.984	#
27)	Chlordane-5	0.000	6.000	0	278.9E6	N.D.	1093.242	#

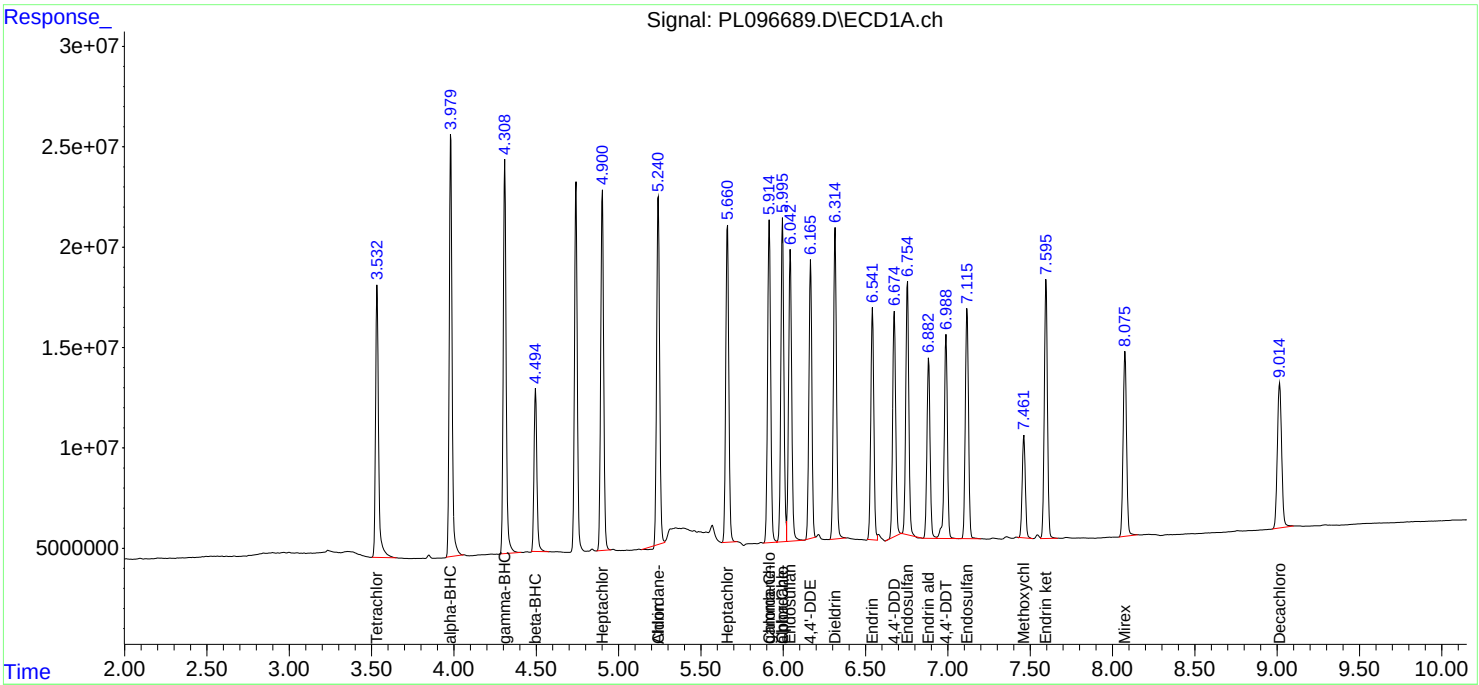
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

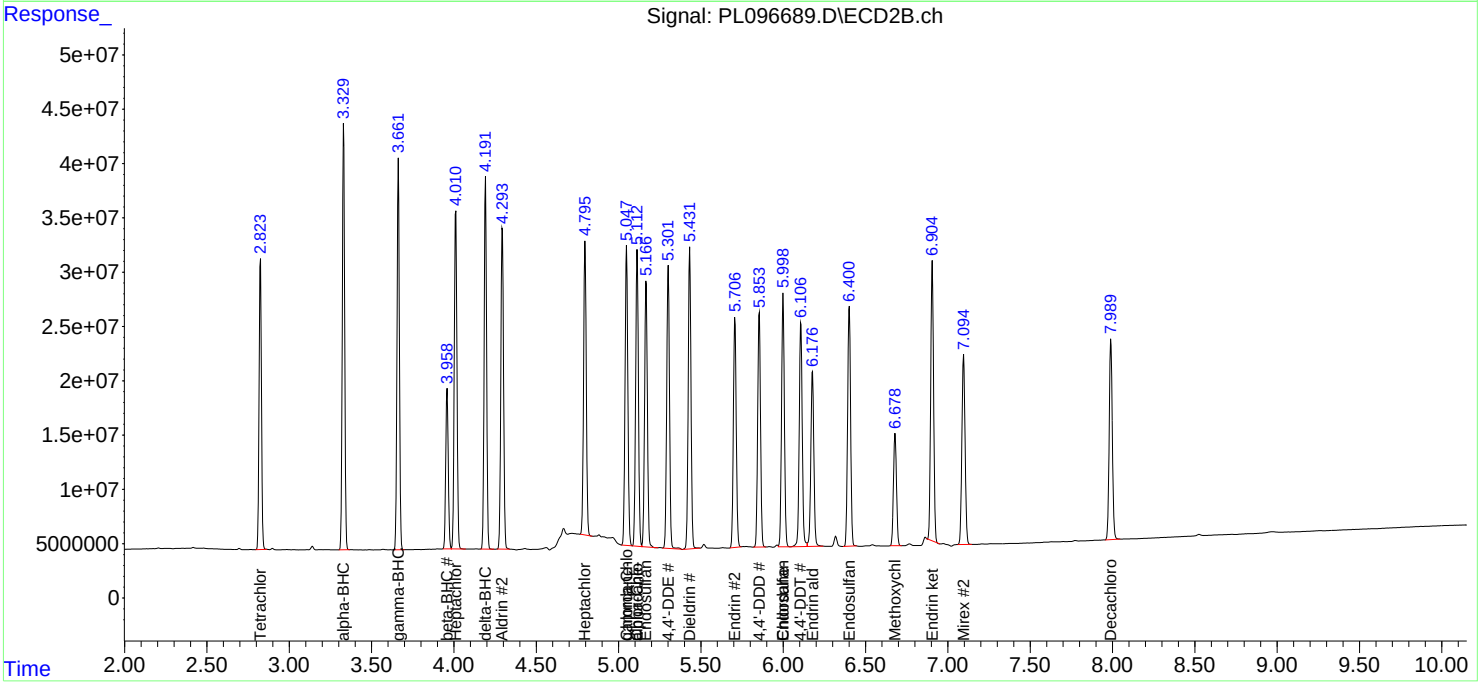
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

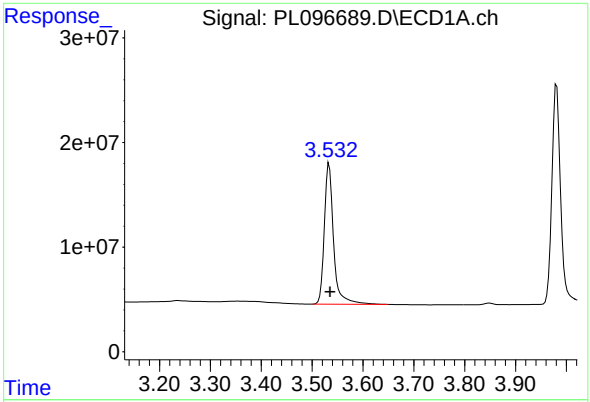
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



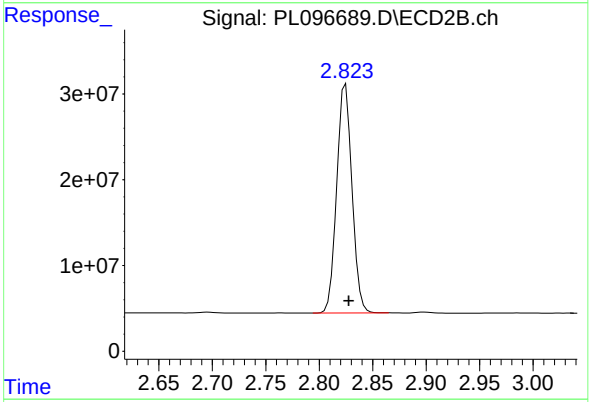




#1 Tetrachloro-m-xylene

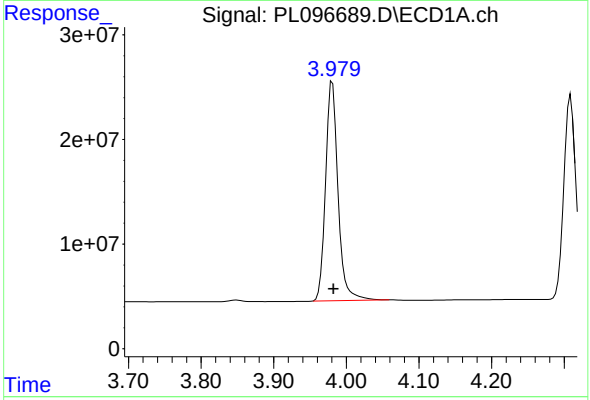
R.T.: 3.533 min
Delta R.T.: -0.002 min
Response: 171002096
Conc: 53.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



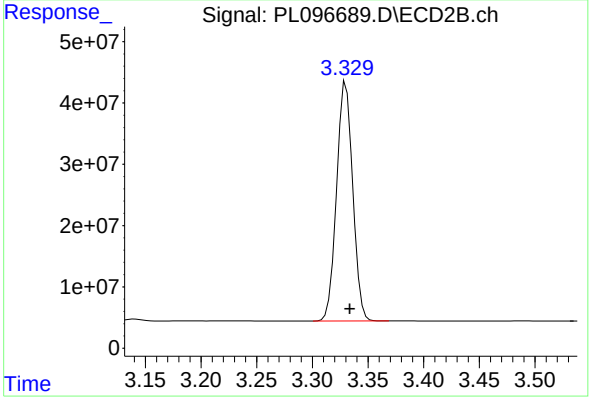
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 265575924
Conc: 55.59 ng/ml



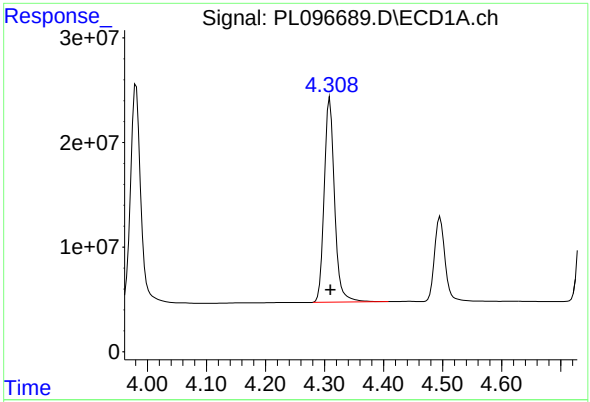
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 251339698
Conc: 54.33 ng/ml



#2 alpha-BHC

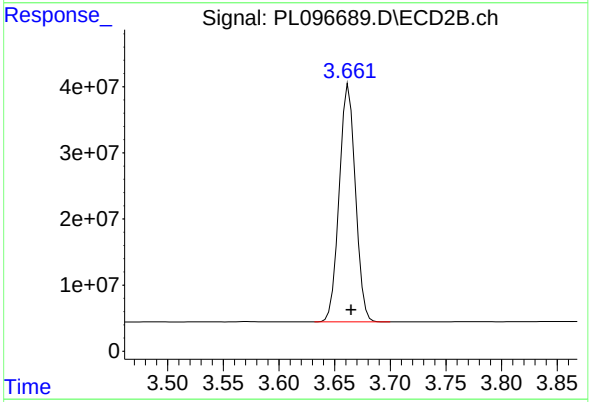
R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 393338752
Conc: 55.58 ng/ml



#3 gamma-BHC (Lindane)

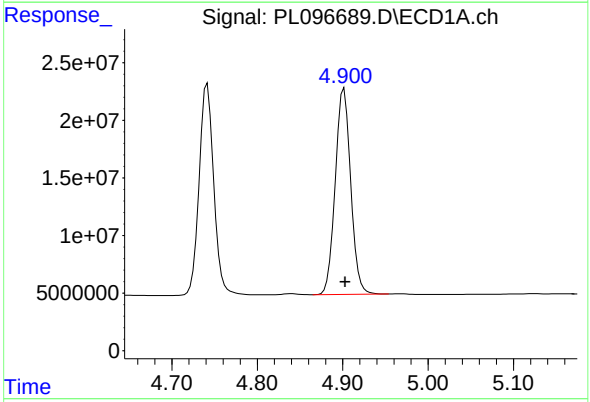
R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 238483690
Conc: 53.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



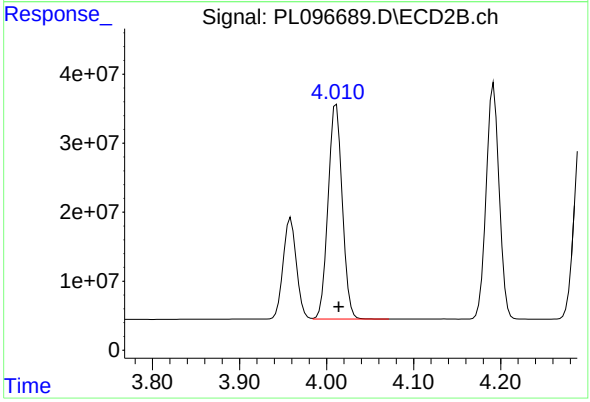
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 363495154
Conc: 55.05 ng/ml



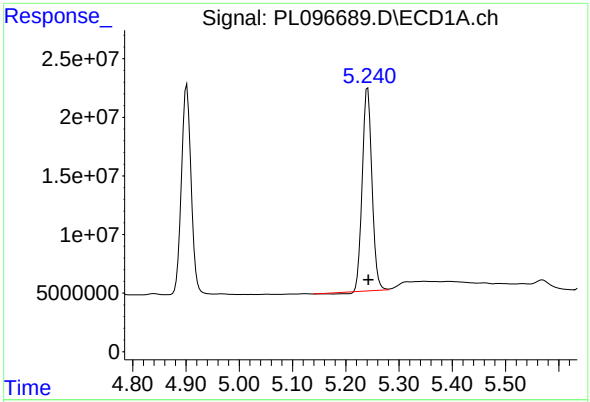
#4 Heptachlor

R.T.: 4.902 min
Delta R.T.: -0.001 min
Response: 224904836
Conc: 54.12 ng/ml



#4 Heptachlor

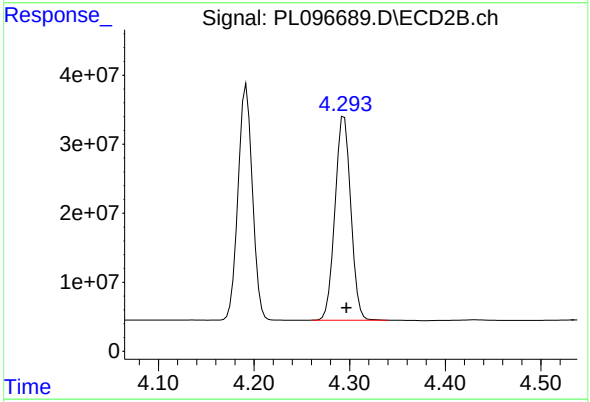
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 352302039
Conc: 52.88 ng/ml



#5 Aldrin

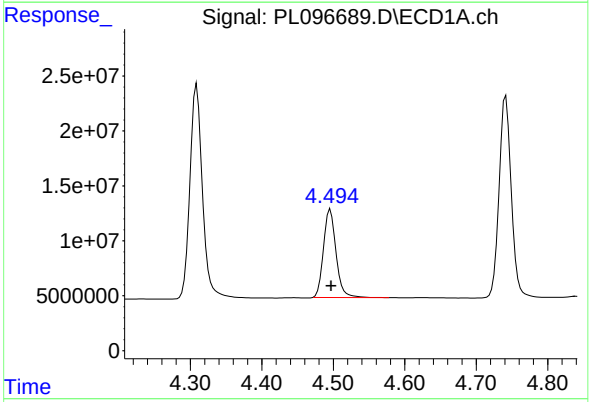
R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 217038924
Conc: 50.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



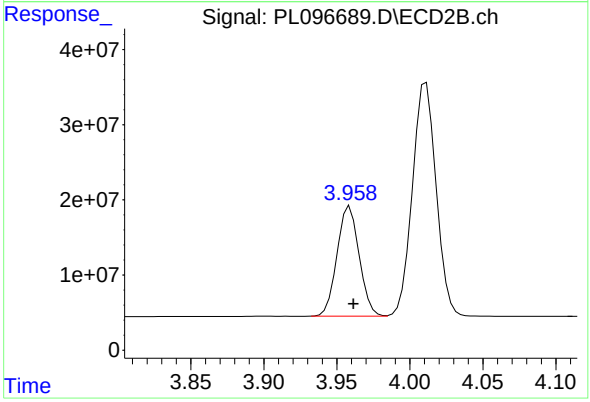
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 339578157
Conc: 54.71 ng/ml



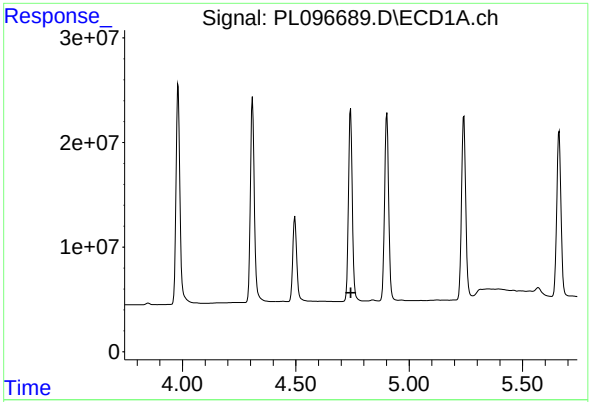
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 98411164
Conc: 54.52 ng/ml



#6 beta-BHC

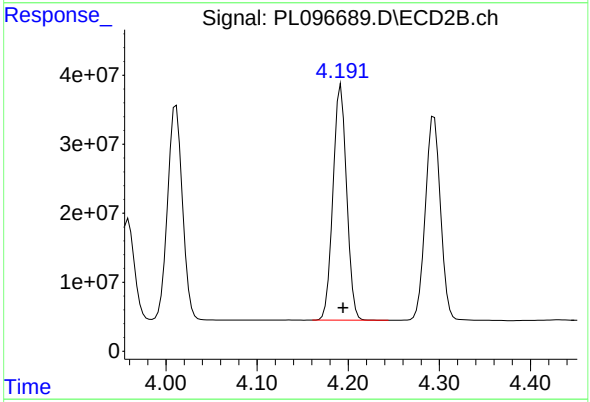
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 154596770
Conc: 54.80 ng/ml



#7 delta-BHC

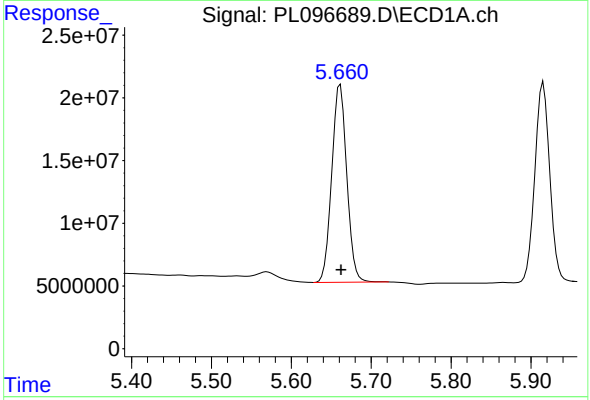
R.T.: 0.000 min
Exp R.T. : 4.743 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



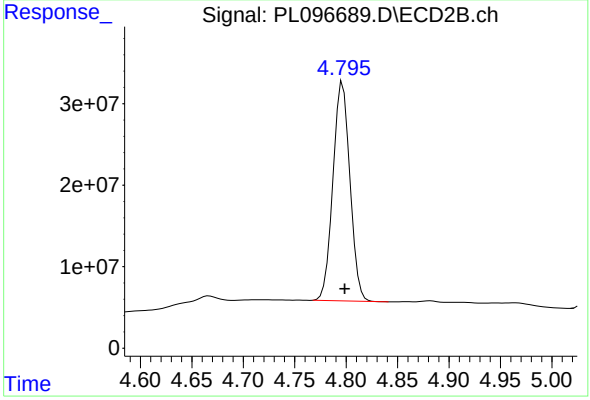
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.002 min
Response: 354526855
Conc: 54.76 ng/ml



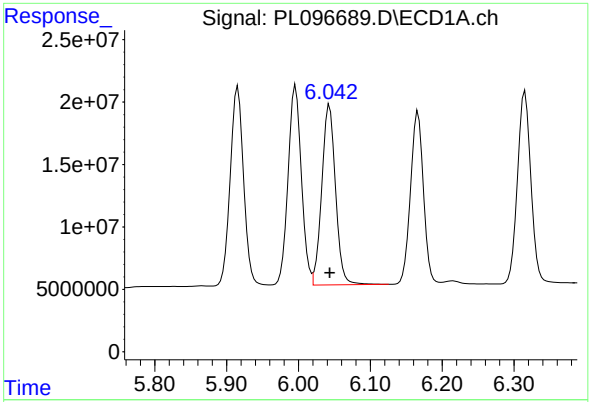
#8 Heptachlor epoxide

R.T.: 5.661 min
Delta R.T.: 0.000 min
Response: 205828347
Conc: 53.37 ng/ml



#8 Heptachlor epoxide

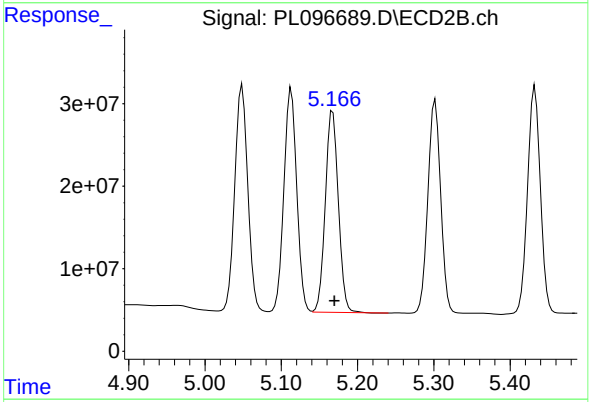
R.T.: 4.797 min
Delta R.T.: -0.002 min
Response: 308593256
Conc: 54.03 ng/ml



#9 Endosulfan I

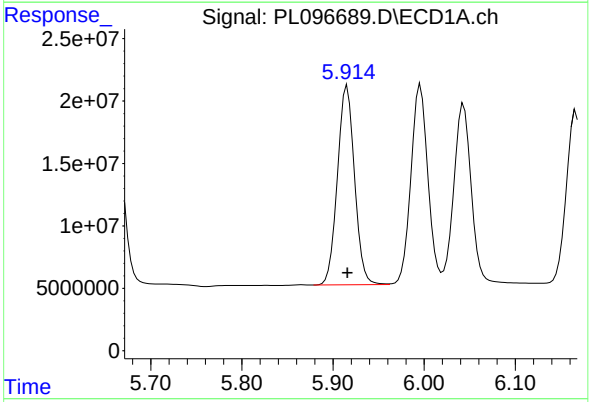
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 192053037
Conc: 53.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



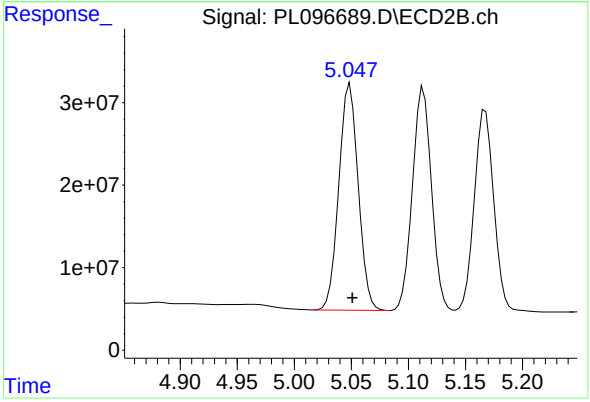
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 289964819
Conc: 52.42 ng/ml



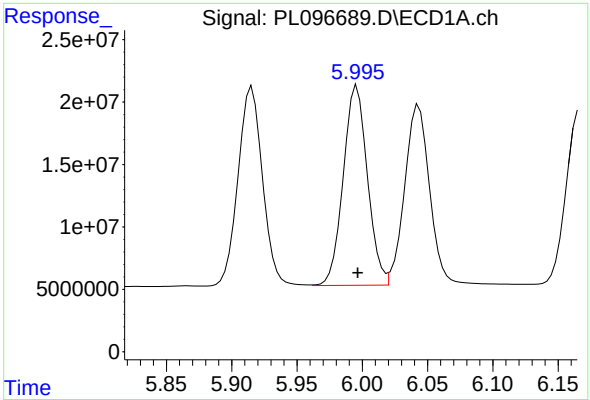
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 208013165
Conc: 54.66 ng/ml



#10 gamma-Chlordane

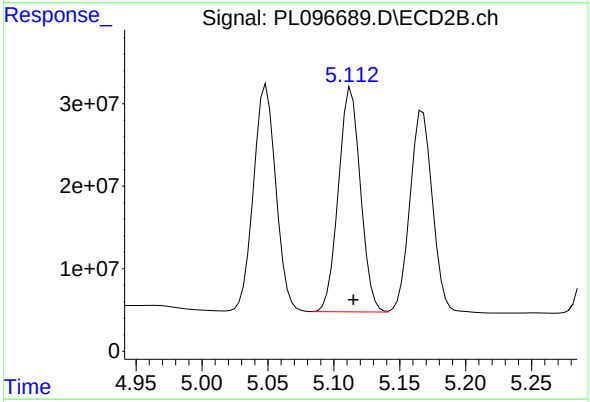
R.T.: 5.049 min
Delta R.T.: -0.002 min
Response: 324637632
Conc: 55.21 ng/ml



#11 alpha-Chlordane

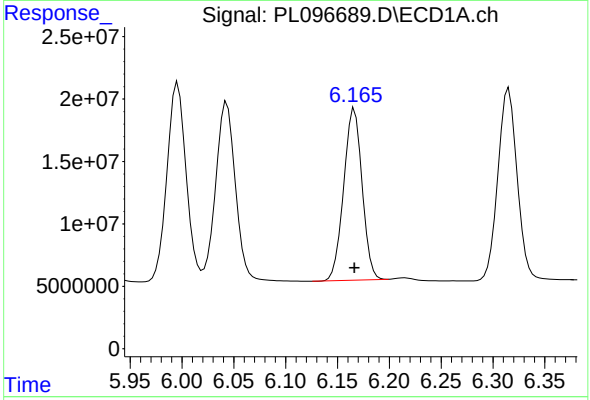
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 206139760
Conc: 53.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



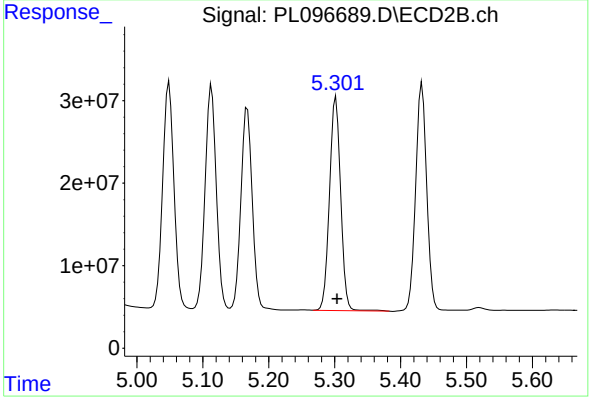
#11 alpha-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.002 min
Response: 316134660
Conc: 53.59 ng/ml



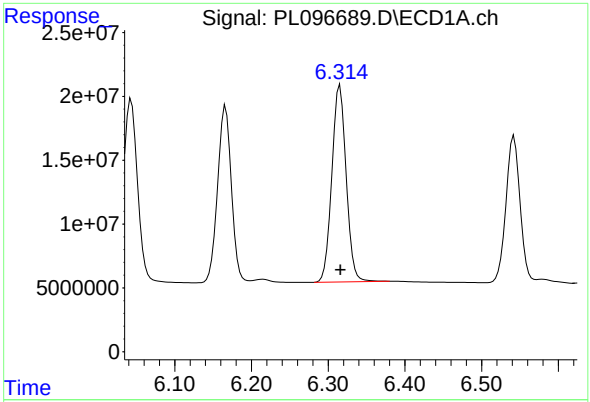
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 169876818
Conc: 52.90 ng/ml



#12 4,4'-DDE

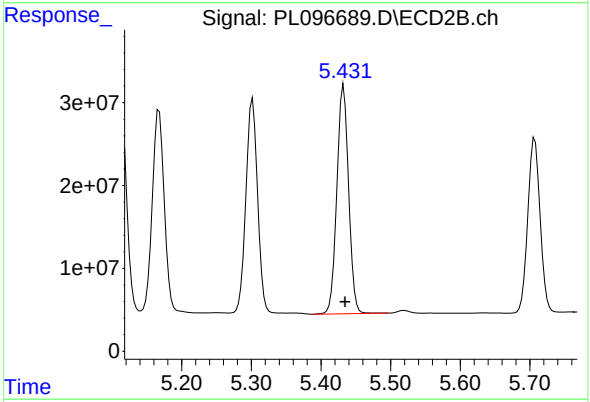
R.T.: 5.302 min
Delta R.T.: -0.002 min
Response: 304342540
Conc: 55.19 ng/ml



#13 Dieldrin

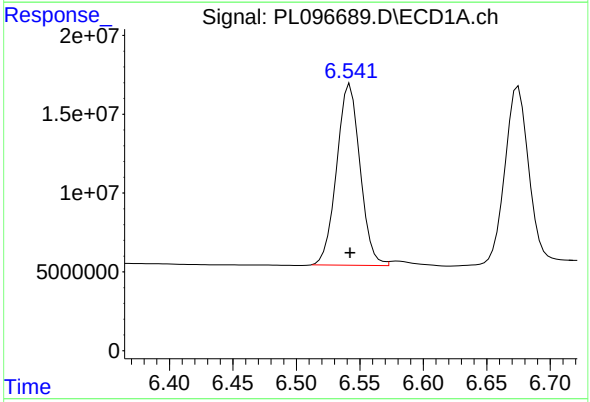
R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 200131763
Conc: 53.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



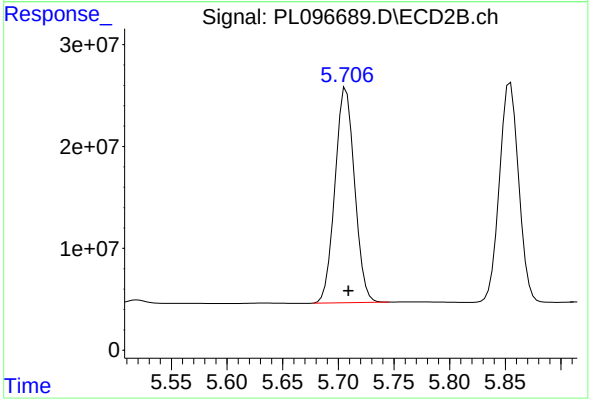
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.002 min
Response: 323598526
Conc: 54.79 ng/ml



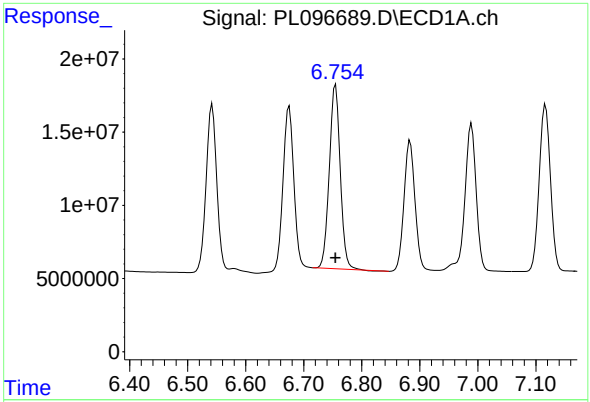
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 147326484
Conc: 48.67 ng/ml



#14 Endrin

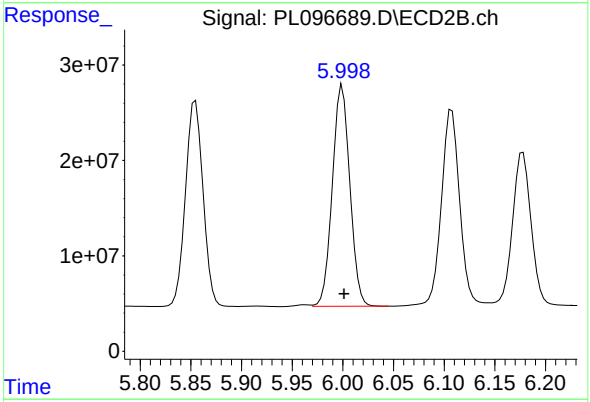
R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 258650304
Conc: 47.85 ng/ml



#15 Endosulfan II

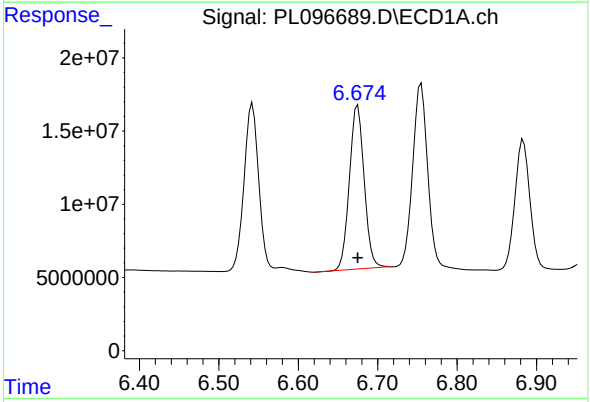
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 164752997
Conc: 51.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



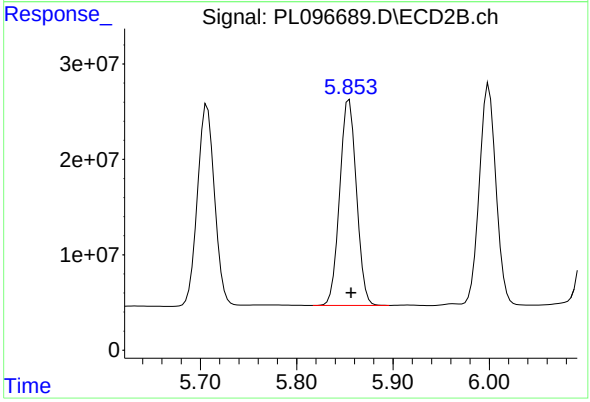
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.001 min
Response: 278899190
Conc: 54.30 ng/ml



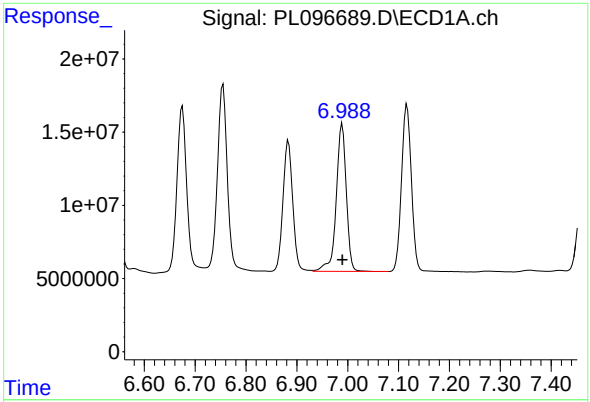
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 144448438
Conc: 57.13 ng/ml



#16 4,4'-DDD

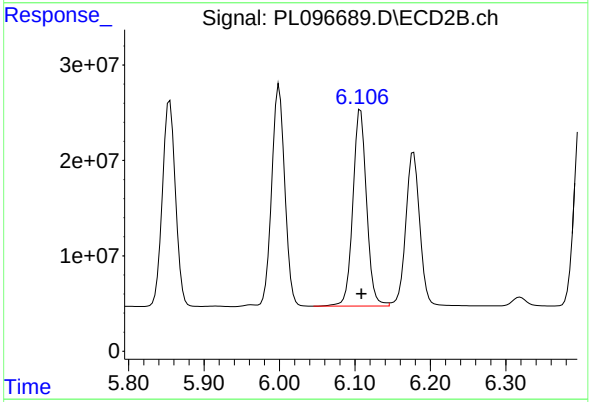
R.T.: 5.855 min
Delta R.T.: -0.002 min
Response: 260192538
Conc: 55.30 ng/ml



#17 4,4'-DDT

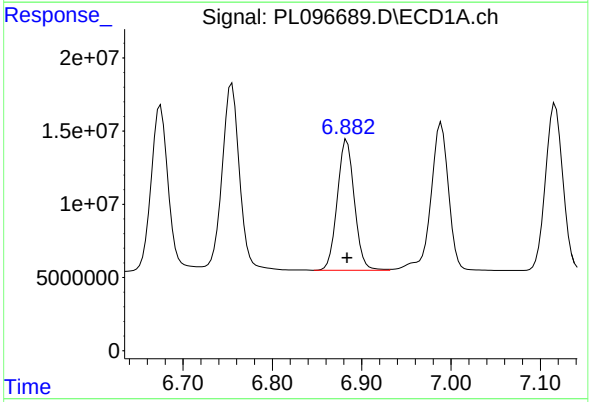
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 138684568
Conc: 48.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



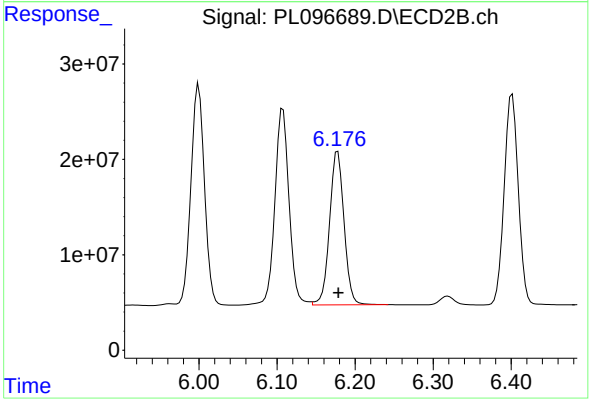
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.001 min
Response: 259919443
Conc: 51.38 ng/ml



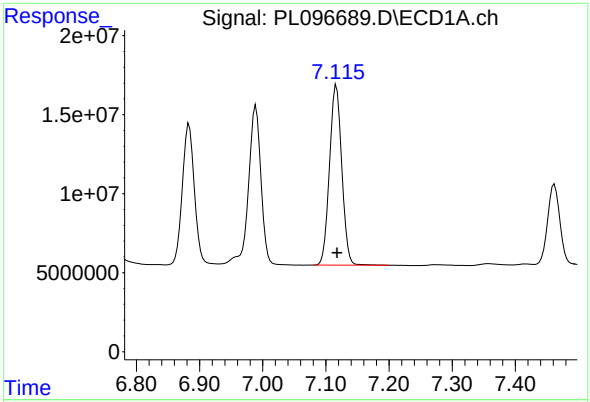
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 118620702
Conc: 55.28 ng/ml



#18 Endrin aldehyde

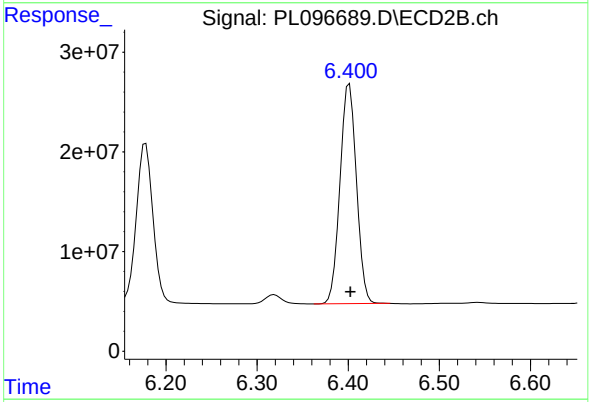
R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 206850259
Conc: 56.10 ng/ml



#19 Endosulfan Sulfate

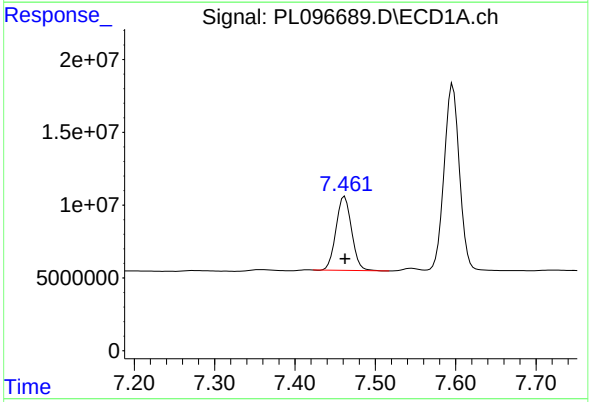
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 154159853
Conc: 53.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



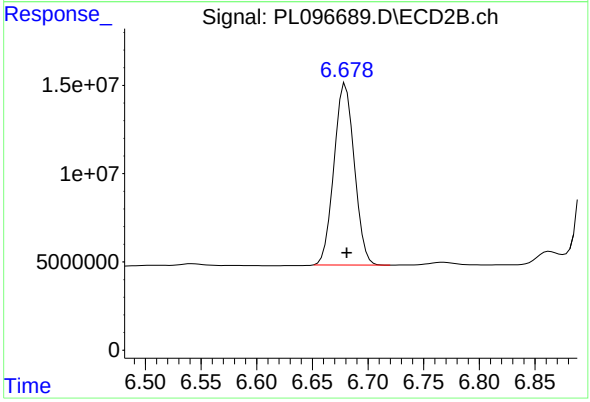
#19 Endosulfan Sulfate

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 276974882
Conc: 54.46 ng/ml



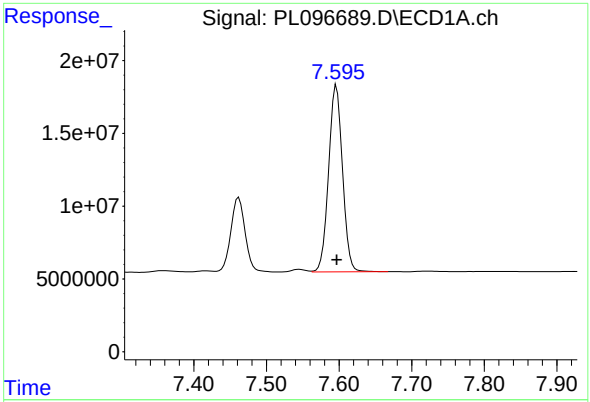
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 68407863
Conc: 46.59 ng/ml



#20 Methoxychlor

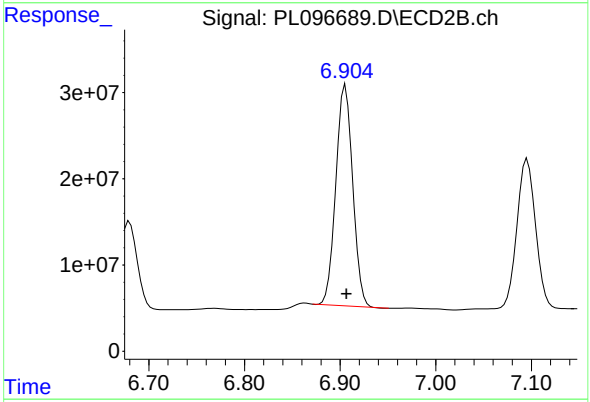
R.T.: 6.680 min
Delta R.T.: -0.001 min
Response: 130889973
Conc: 47.76 ng/ml



#21 Endrin ketone

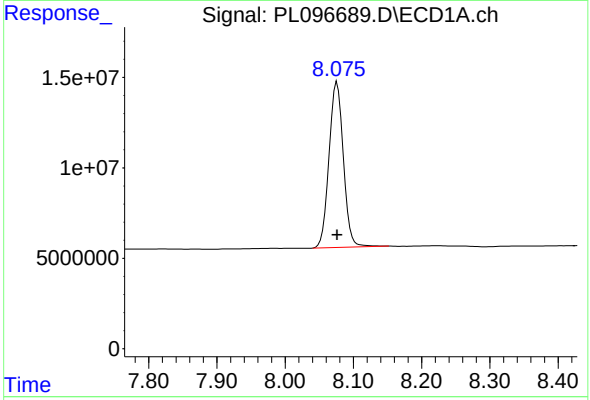
R.T.: 7.596 min
Delta R.T.: 0.000 min
Response: 170442668
Conc: 56.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



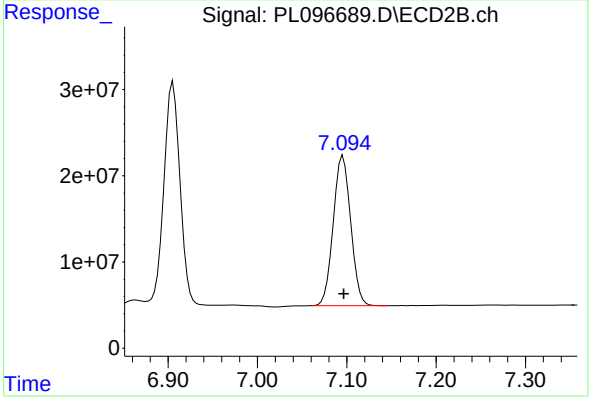
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.001 min
Response: 314108977
Conc: 56.40 ng/ml



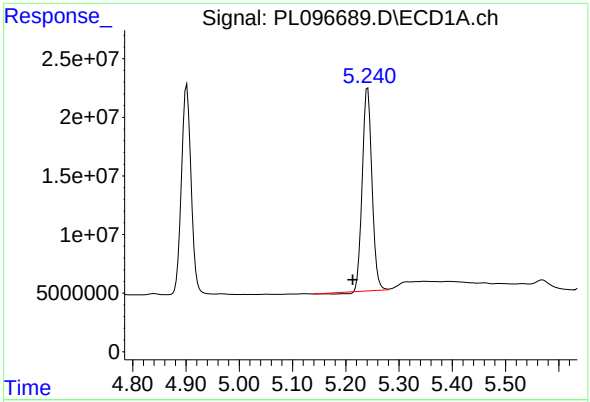
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 133366031
Conc: 53.79 ng/ml



#22 Mirex

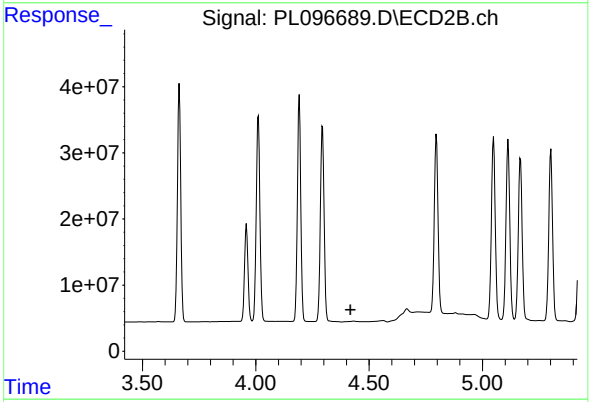
R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 235869786
Conc: 54.09 ng/ml



#24 Chlordane-2

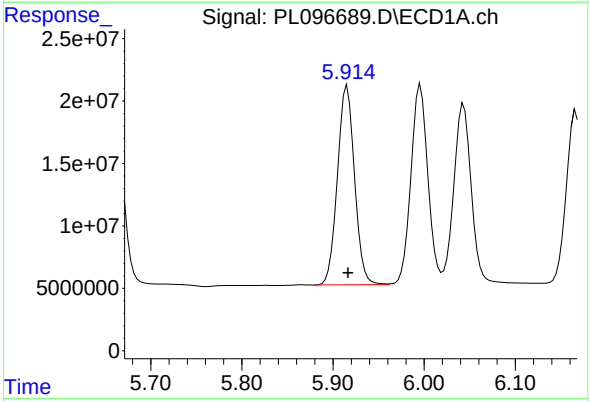
R.T.: 5.241 min
Delta R.T.: 0.028 min
Response: 217038924
Conc: 1240.17 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



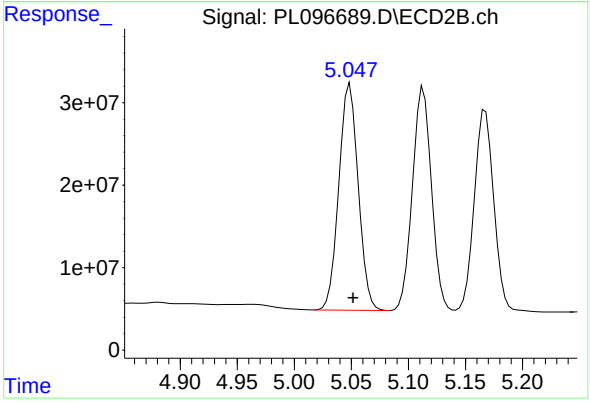
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



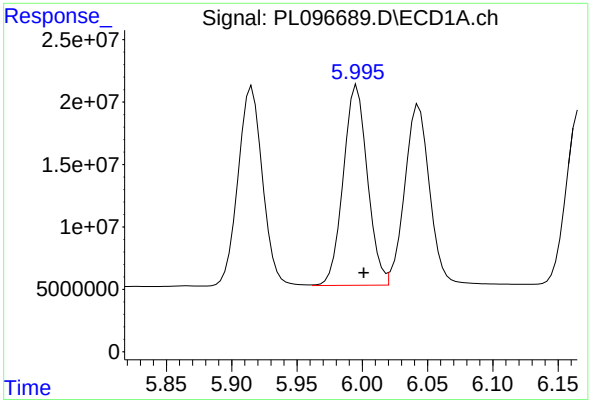
#25 Chlordane-3

R.T.: 5.916 min
Delta R.T.: -0.001 min
Response: 208013165
Conc: 311.43 ng/ml



#25 Chlordane-3

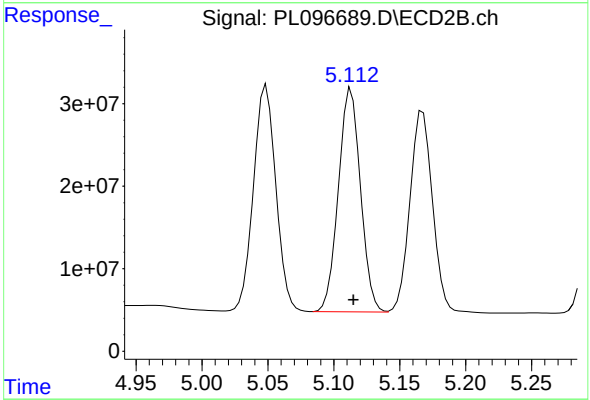
R.T.: 5.049 min
Delta R.T.: -0.003 min
Response: 324637632
Conc: 466.90 ng/ml



#26 Chlordane-4

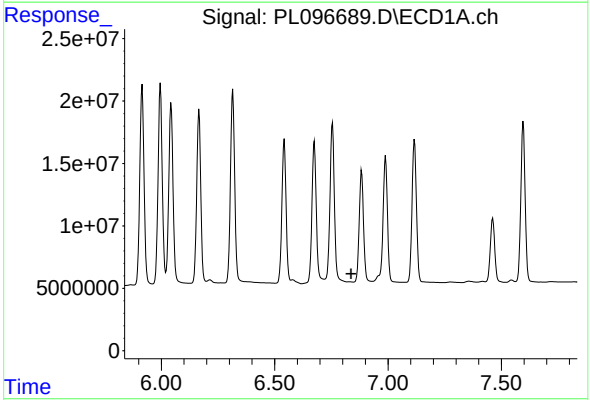
R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 206139760
Conc: 249.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



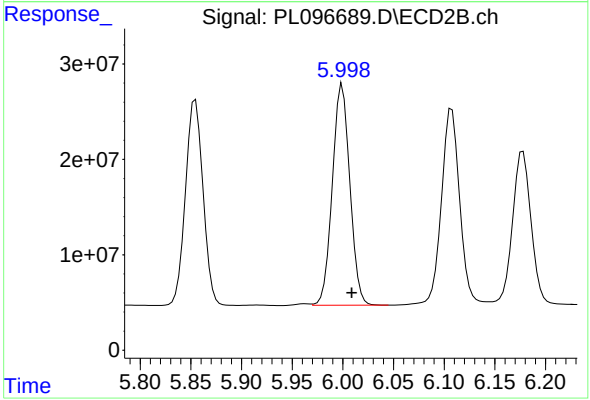
#26 Chlordane-4

R.T.: 5.113 min
Delta R.T.: -0.002 min
Response: 316134660
Conc: 507.98 ng/ml



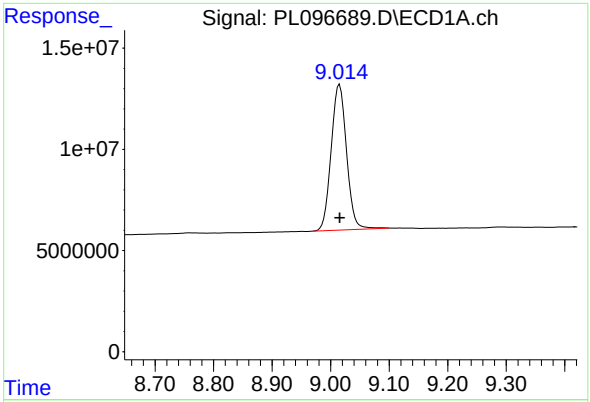
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

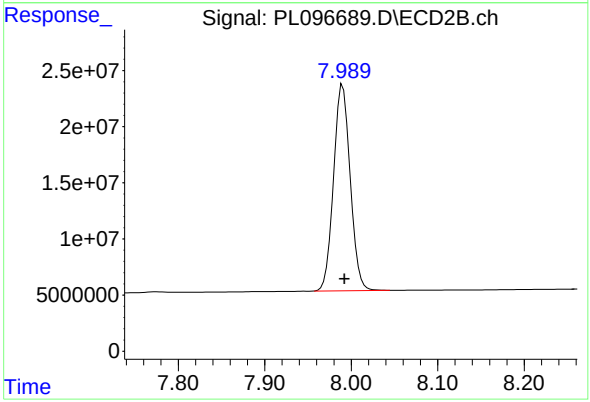
R.T.: 6.000 min
Delta R.T.: -0.009 min
Response: 278899190
Conc: 1093.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 131554170
Conc: 55.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 244449232
Conc: 56.35 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 12:52
Operator : AR\AJ
Sample : PB169093BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169093BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.533	2.824	64885131	99607735	20.399	20.848
28)	SA Decachlor...	9.017	7.990	52303080	98525020	21.933	22.710
	Target Compounds						
2)	A alpha-BHC	3.981	3.330	245.1E6	376.8E6	52.972	53.247
3)	MA gamma-BHC...	4.309	3.662	230.1E6	347.5E6	52.022	52.632
4)	MA Heptachlor	4.901	4.011	213.8E6	327.2E6	51.450	49.116
5)	MB Aldrin	5.241	4.294	221.6E6	326.6E6	51.528	52.619
6)	B beta-BHC	4.496	3.959	94325080	144.8E6	52.259	51.330
7)	B delta-BHC	0.000	4.192	0	339.8E6	N.D.	52.491 #
8)	B Heptachlo...	5.662	4.796	199.0E6	296.3E6	51.603	51.885
9)	A Endosulfan I	6.043	5.167	186.7E6	277.3E6	51.907	50.124
10)	B gamma-Chl...	5.915	5.048	200.6E6	311.4E6	52.723	52.958
11)	B alpha-Chl...	5.995	5.112	197.8E6	302.9E6	51.314	51.354
12)	B 4,4'-DDE	6.166	5.301	168.7E6	288.3E6	52.534	52.279
13)	MA Dieldrin	6.316	5.432	192.3E6	306.2E6	51.826	51.839
14)	MA Endrin	6.542	5.707	135.8E6	234.6E6	44.871	43.395
15)	B Endosulfa...	6.755	5.999	157.5E6	268.5E6	49.165	52.271
16)	A 4,4'-DDD	6.675	5.854	138.6E6	259.1E6	54.819	55.063
17)	MA 4,4'-DDT	6.990	6.107	125.7E6	226.4E6	43.824	44.764
18)	B Endrin al...	6.884	6.177	126.4E6	218.9E6	58.892	59.565
19)	B Endosulfa...	7.118	6.400	149.6E6	266.0E6	52.066	52.293
20)	A Methoxychlor	7.462	6.679	61330578	116.2E6	41.768	42.415
21)	B Endrin ke...	7.597	6.905	168.6E6	310.5E6	56.063	55.750
22)	Mirex	8.076	7.095	125.7E6	220.0E6	50.715	50.450
24)	Chlordane-2	5.241f	0.000	221.6E6	0	1266.364	N.D. #
25)	Chlordane-3	5.915	5.048	200.6E6	311.4E6	300.362	447.858 #
26)	Chlordane-4	5.995	5.112	197.8E6	302.9E6	238.974	486.774 #
27)	Chlordane-5	0.000	5.999	0	268.5E6	N.D.	1052.387 #

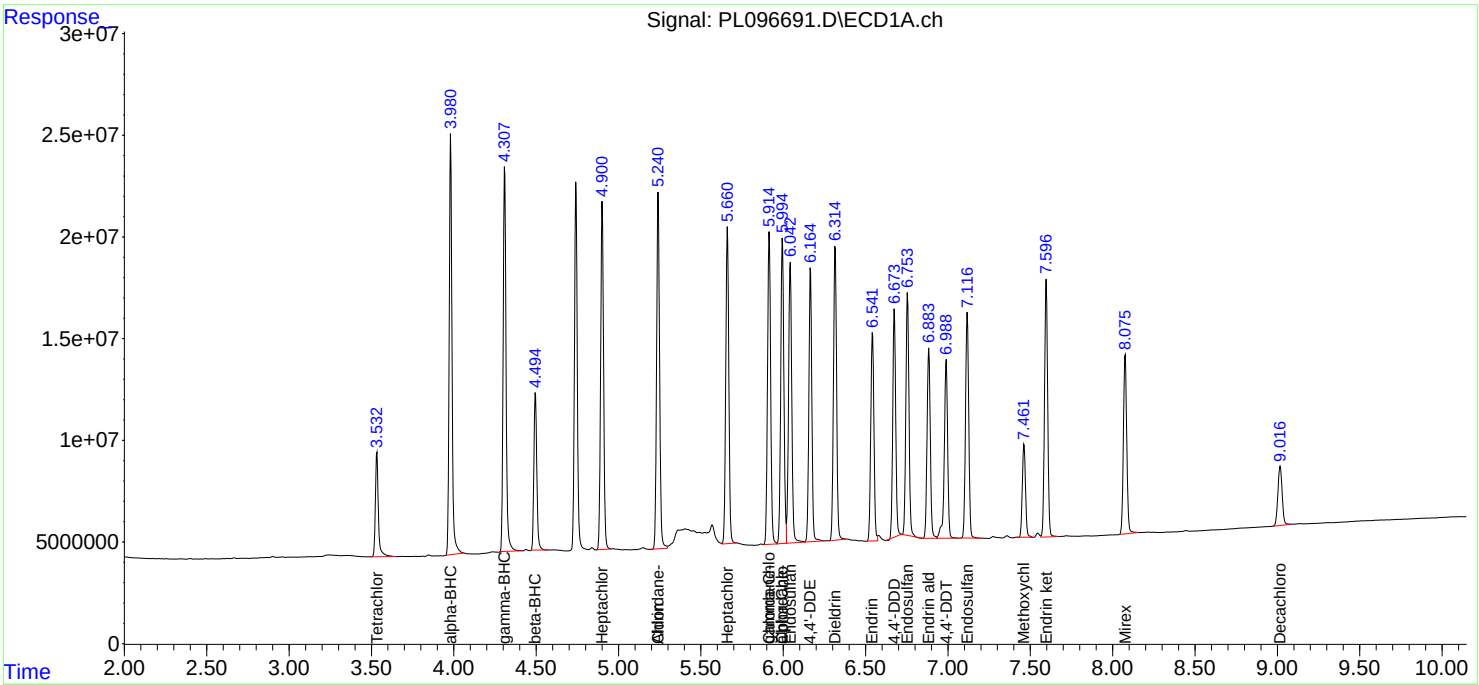
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

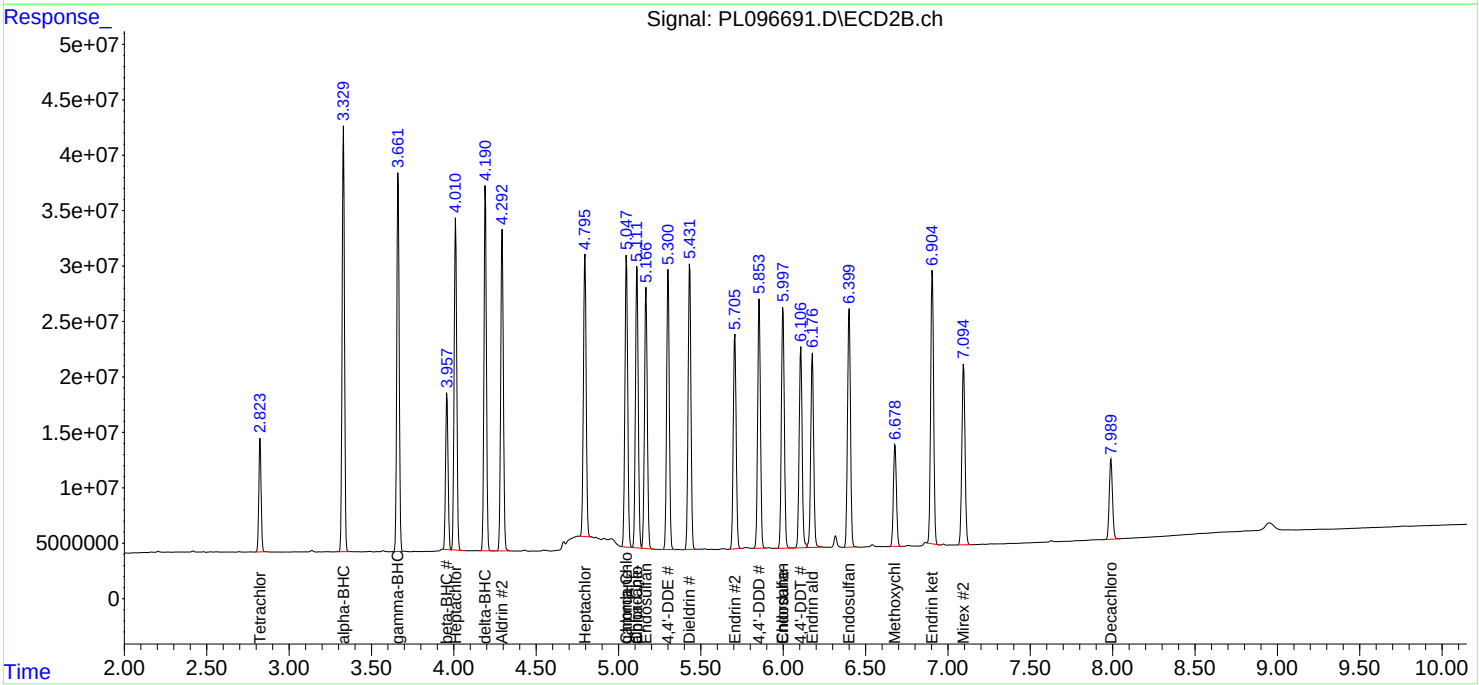
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 12:52
Operator : AR\AJ
Sample : PB169093BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

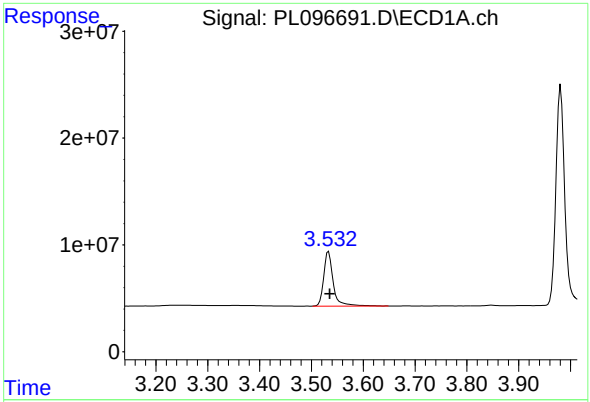
Instrument :
ECD_L
ClientSampleId :
PB169093BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:43:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



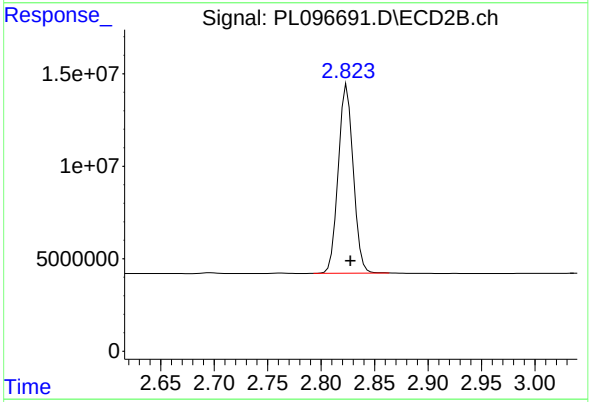




#1 Tetrachloro-m-xylene

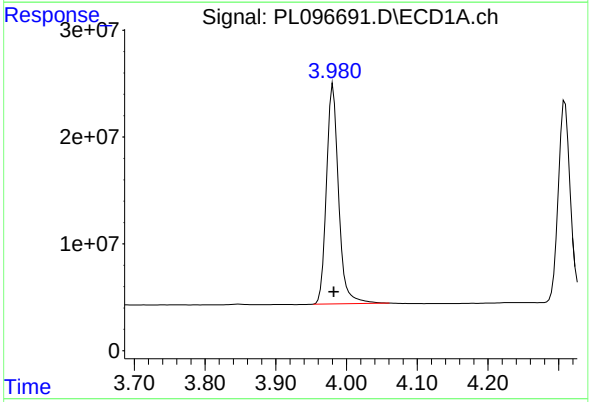
R.T.: 3.533 min
Delta R.T.: -0.002 min
Response: 64885131
Conc: 20.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



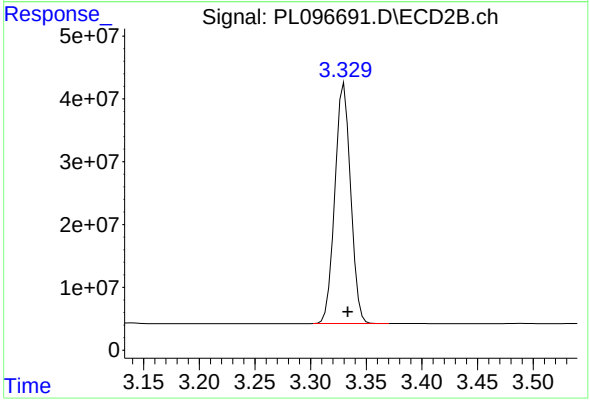
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.003 min
Response: 99607735
Conc: 20.85 ng/ml



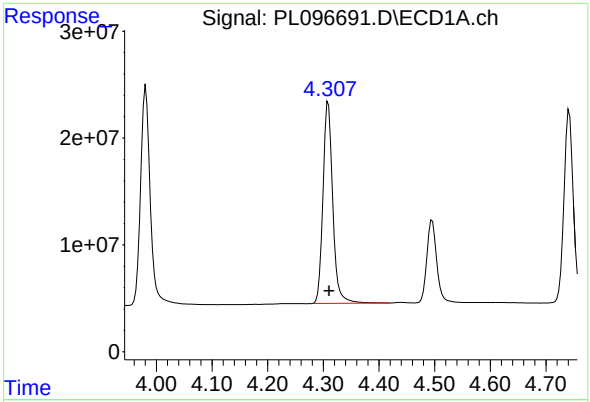
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 245066041
Conc: 52.97 ng/ml



#2 alpha-BHC

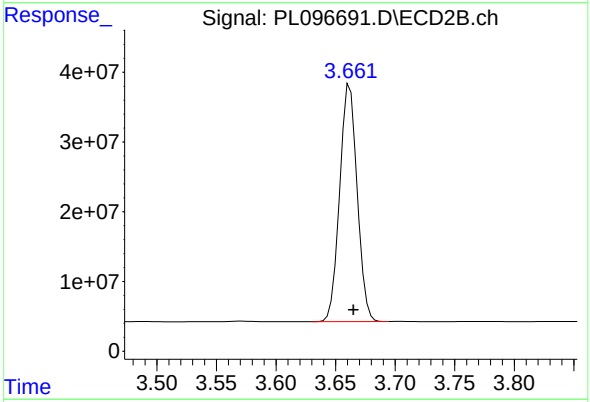
R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 376834361
Conc: 53.25 ng/ml



#3 gamma-BHC (Lindane)

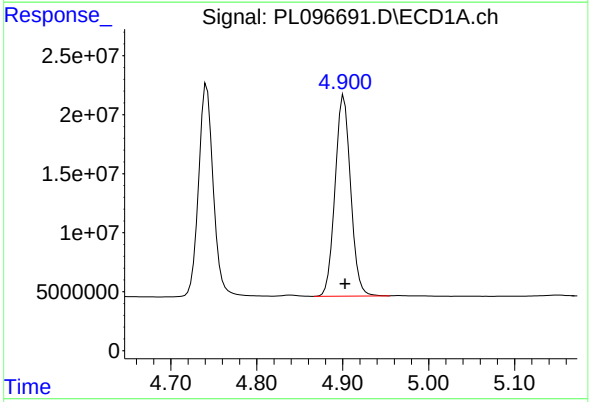
R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 230114861
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



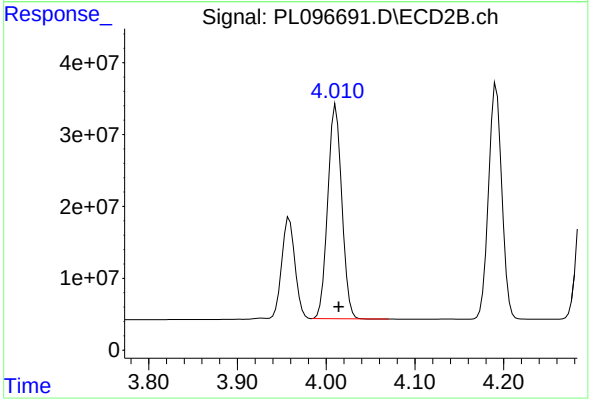
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 347546945
Conc: 52.63 ng/ml



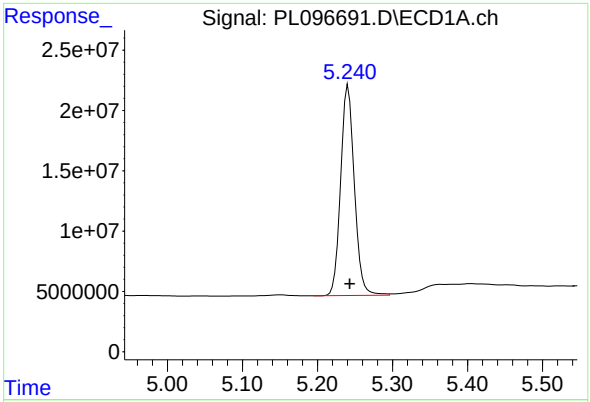
#4 Heptachlor

R.T.: 4.901 min
Delta R.T.: -0.001 min
Response: 213811042
Conc: 51.45 ng/ml



#4 Heptachlor

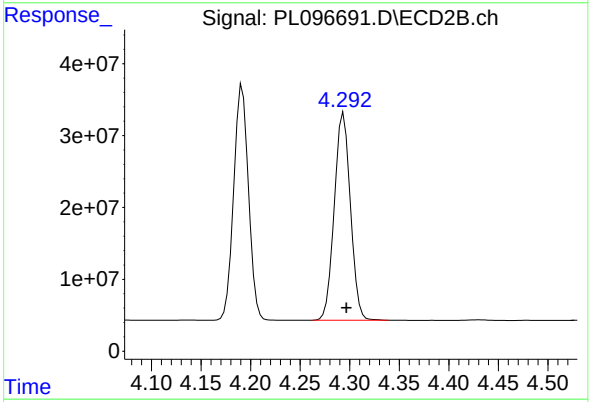
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 327206108
Conc: 49.12 ng/ml



#5 Aldrin

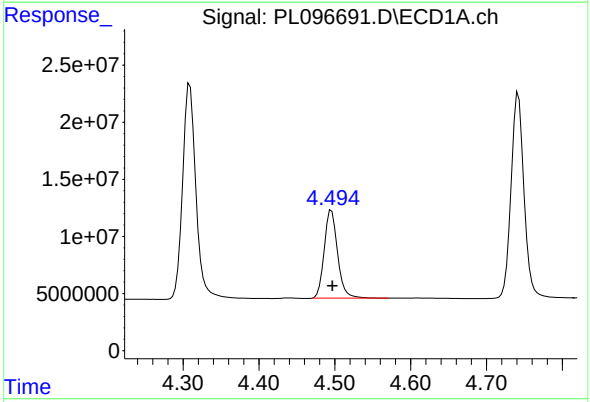
R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 221622281
Conc: 51.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



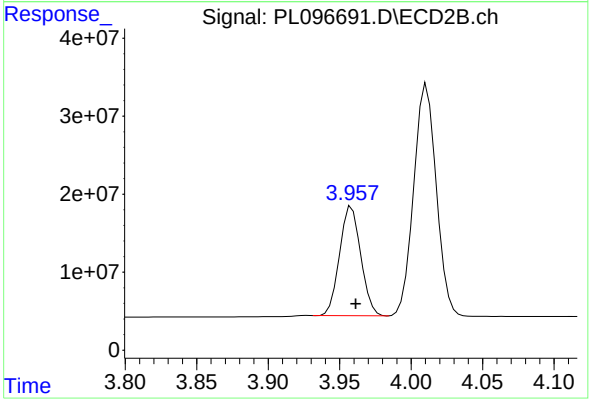
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 326610990
Conc: 52.62 ng/ml



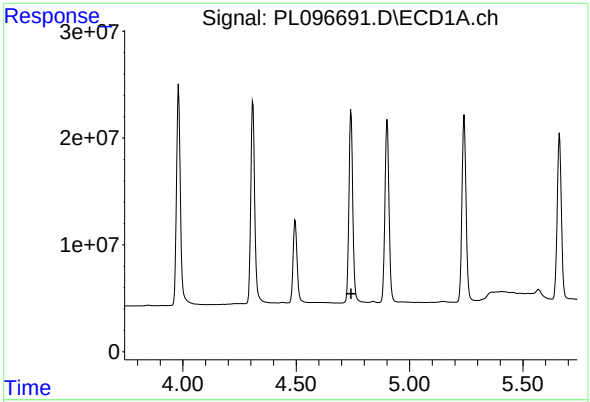
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 94325080
Conc: 52.26 ng/ml



#6 beta-BHC

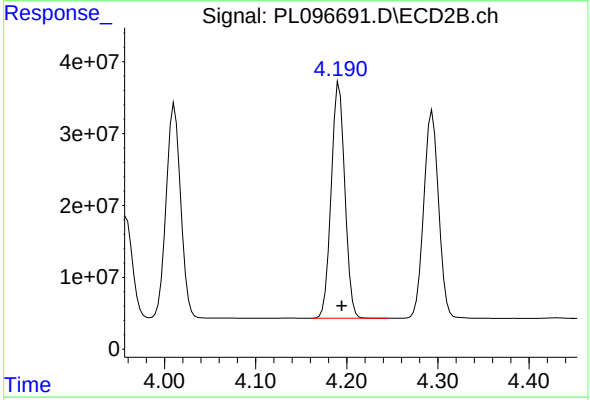
R.T.: 3.959 min
Delta R.T.: -0.003 min
Response: 144797486
Conc: 51.33 ng/ml



#7 delta-BHC

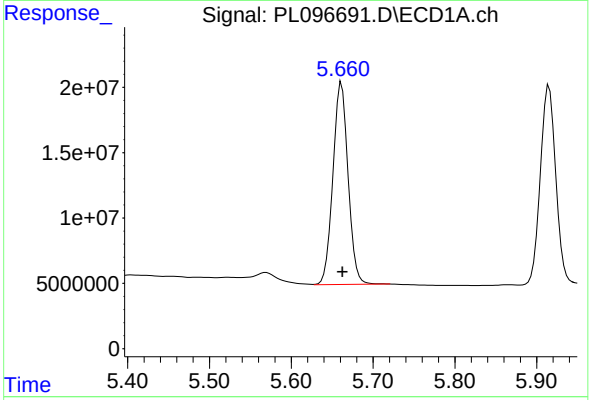
R.T.: 0.000 min
Exp R.T. : 4.743 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB169093BS



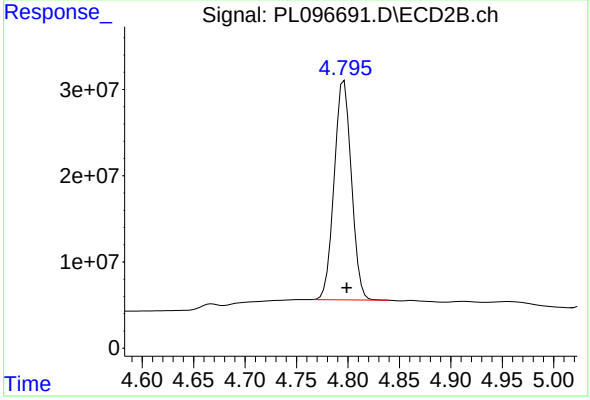
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 339807233
Conc: 52.49 ng/ml



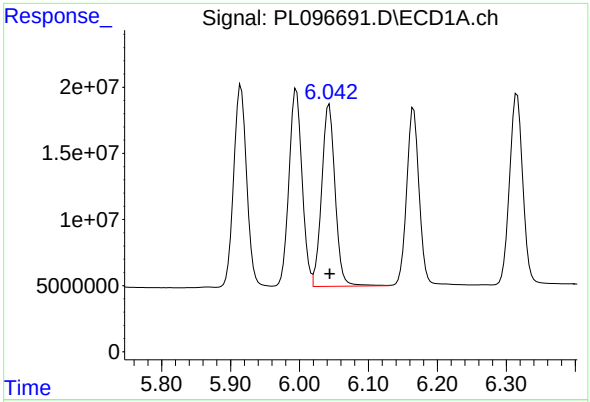
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 199008197
Conc: 51.60 ng/ml



#8 Heptachlor epoxide

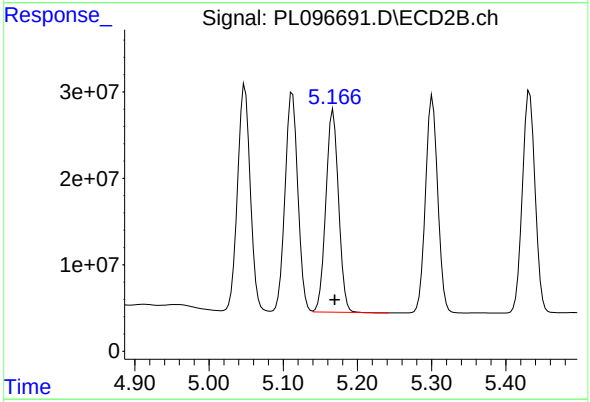
R.T.: 4.796 min
Delta R.T.: -0.003 min
Response: 296330714
Conc: 51.88 ng/ml



#9 Endosulfan I

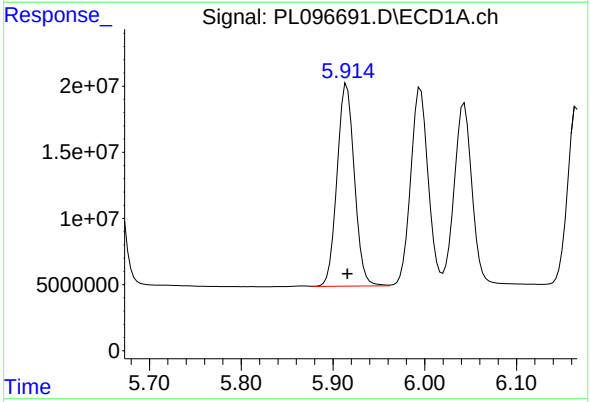
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 186677850
Conc: 51.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



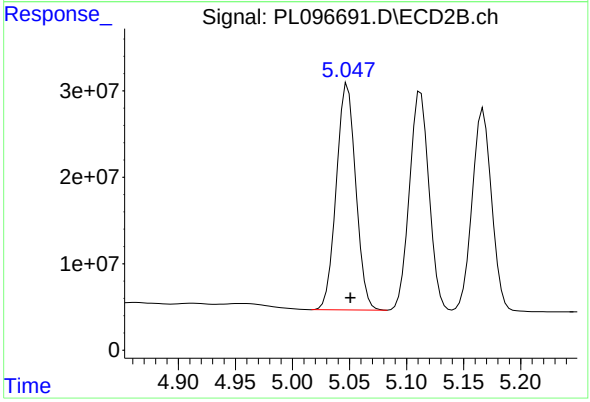
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 277256805
Conc: 50.12 ng/ml



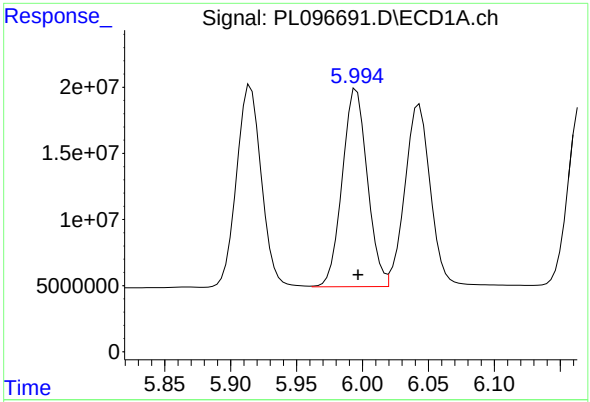
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 200622830
Conc: 52.72 ng/ml



#10 gamma-Chlordane

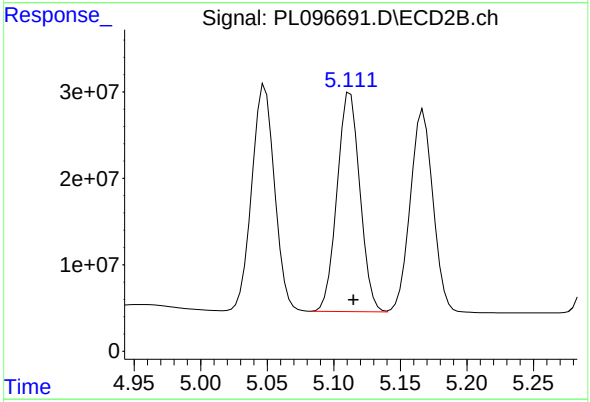
R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 311396456
Conc: 52.96 ng/ml



#11 alpha-Chlordane

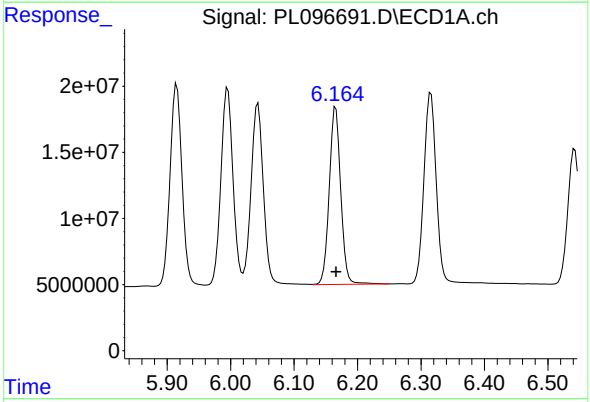
R.T.: 5.995 min
Delta R.T.: -0.001 min
Response: 197798054
Conc: 51.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



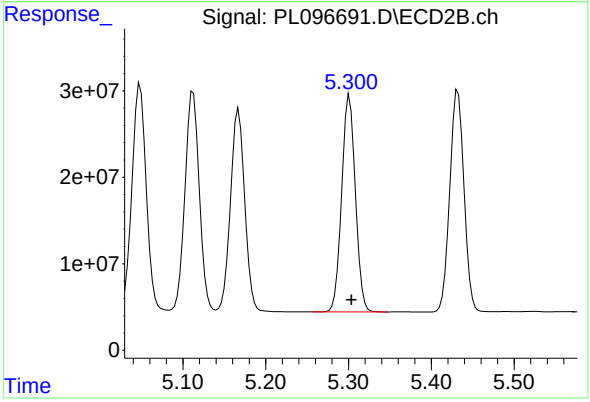
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.002 min
Response: 302934904
Conc: 51.35 ng/ml



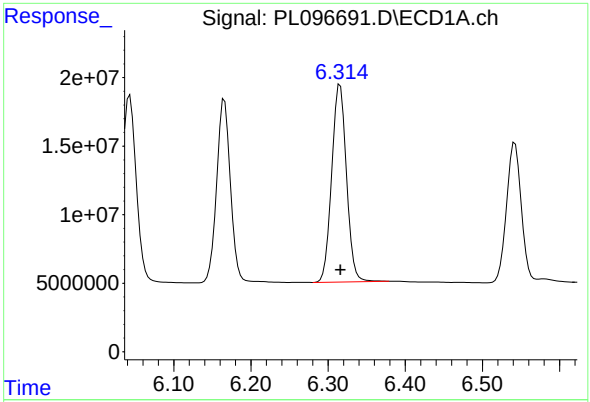
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 168698858
Conc: 52.53 ng/ml



#12 4,4'-DDE

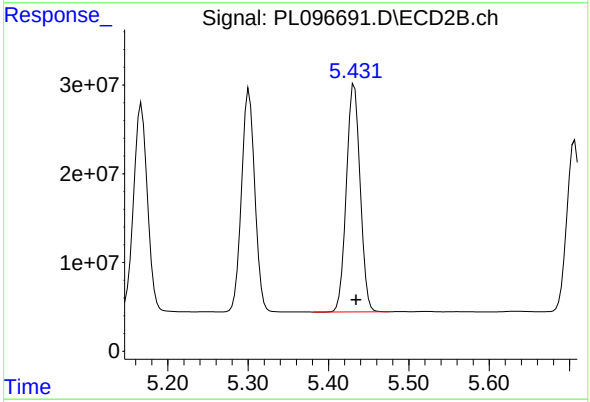
R.T.: 5.301 min
Delta R.T.: -0.002 min
Response: 288286024
Conc: 52.28 ng/ml



#13 Dieldrin

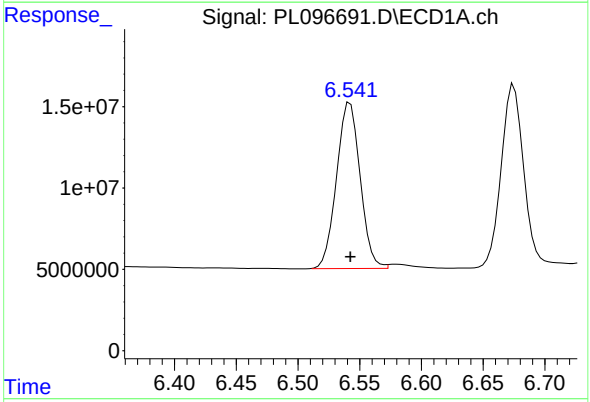
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 192334901
Conc: 51.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



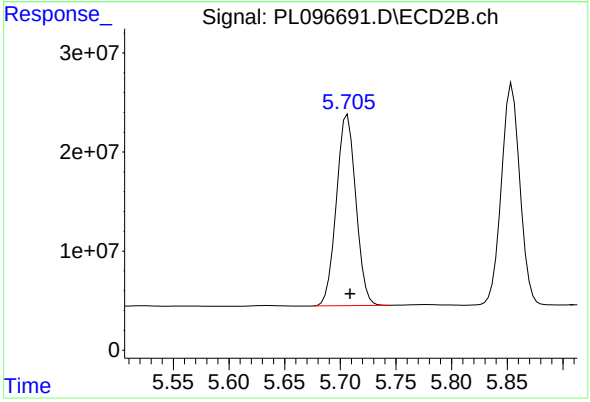
#13 Dieldrin

R.T.: 5.432 min
Delta R.T.: -0.002 min
Response: 306188583
Conc: 51.84 ng/ml



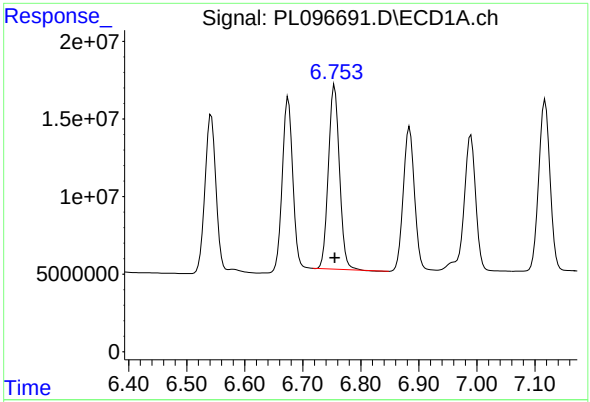
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 135815137
Conc: 44.87 ng/ml



#14 Endrin

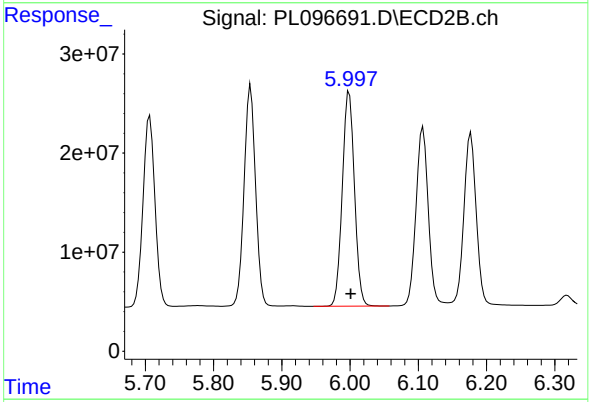
R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 234591326
Conc: 43.39 ng/ml



#15 Endosulfan II

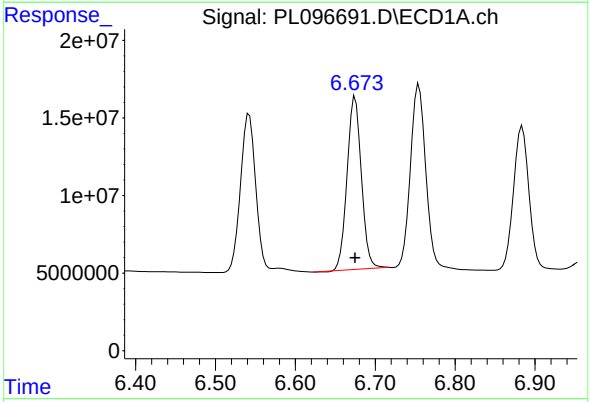
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 157459243
Conc: 49.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



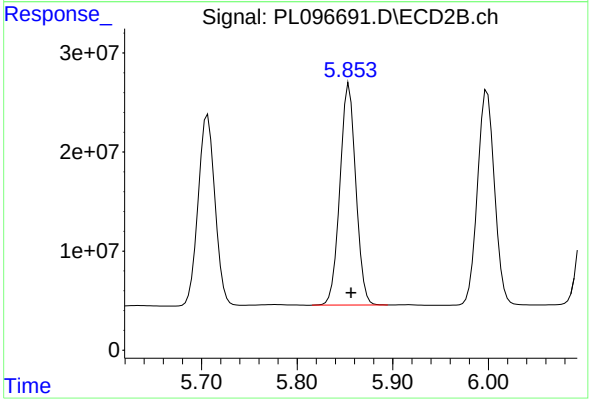
#15 Endosulfan II

R.T.: 5.999 min
Delta R.T.: -0.002 min
Response: 268476490
Conc: 52.27 ng/ml



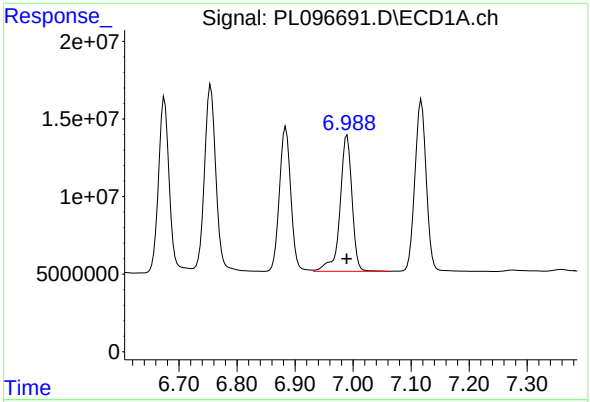
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 138602047
Conc: 54.82 ng/ml



#16 4,4'-DDD

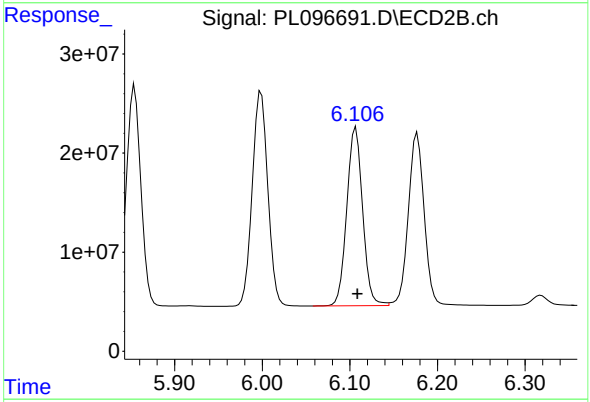
R.T.: 5.854 min
Delta R.T.: -0.002 min
Response: 259086117
Conc: 55.06 ng/ml



#17 4,4'-DDT

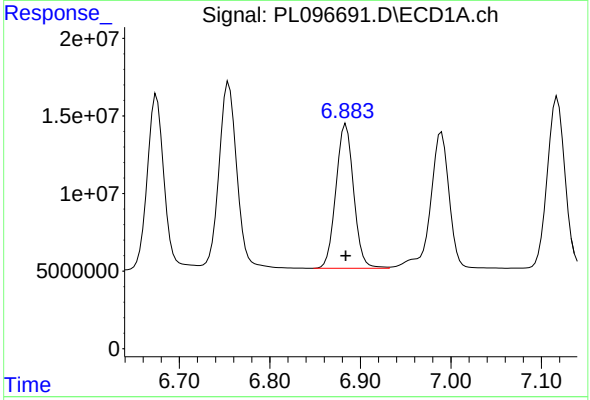
R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 125674500
Conc: 43.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



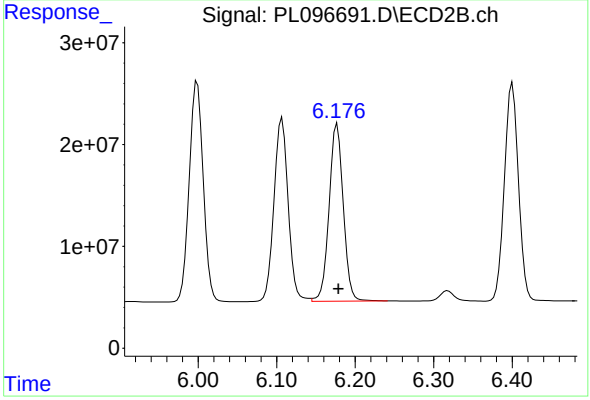
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 226429164
Conc: 44.76 ng/ml



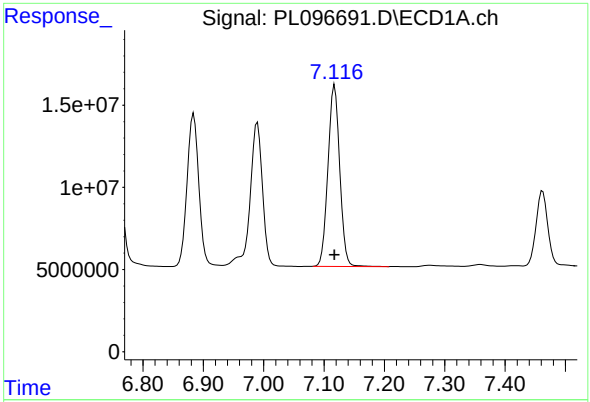
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 126378196
Conc: 58.89 ng/ml



#18 Endrin aldehyde

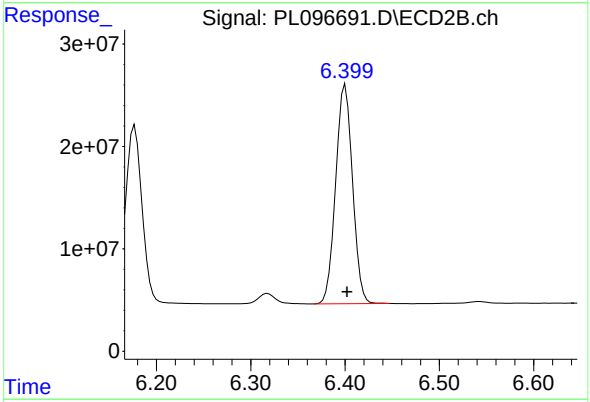
R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 218860206
Conc: 59.57 ng/ml



#19 Endosulfan Sulfate

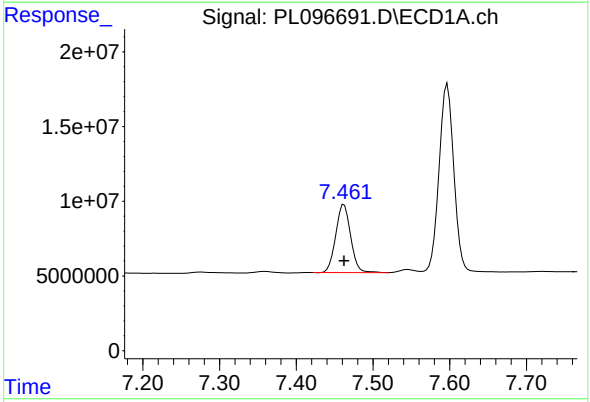
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 149623012
Conc: 52.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



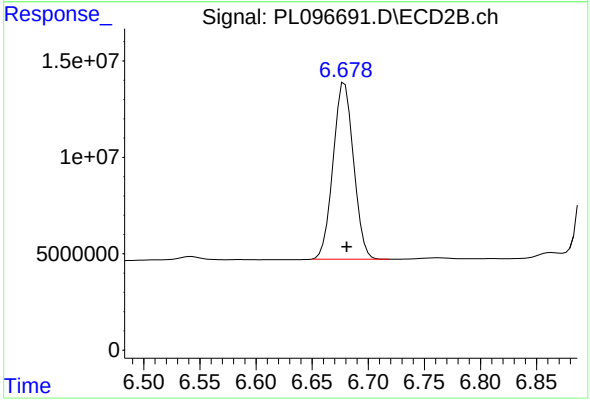
#19 Endosulfan Sulfate

R.T.: 6.400 min
Delta R.T.: -0.002 min
Response: 265973570
Conc: 52.29 ng/ml



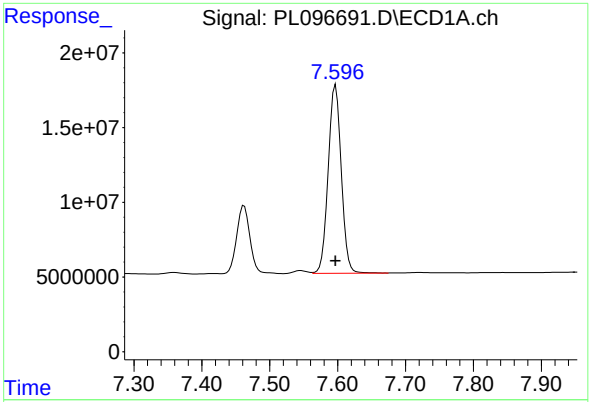
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 61330578
Conc: 41.77 ng/ml



#20 Methoxychlor

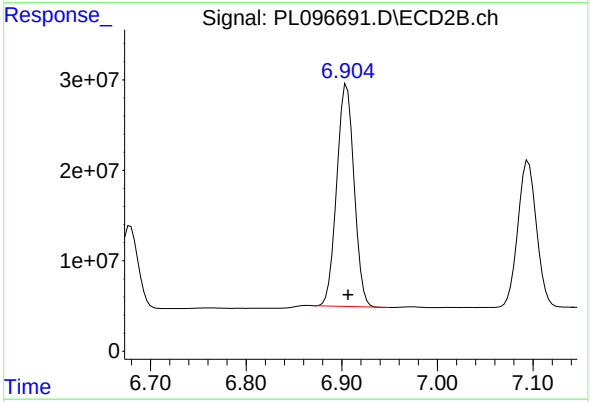
R.T.: 6.679 min
Delta R.T.: -0.002 min
Response: 116237976
Conc: 42.41 ng/ml



#21 Endrin ketone

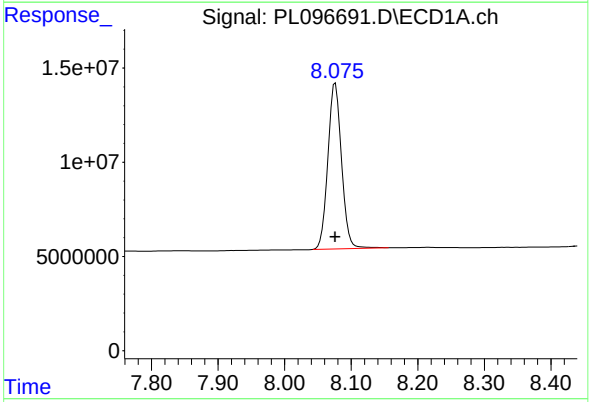
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 168565428
Conc: 56.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



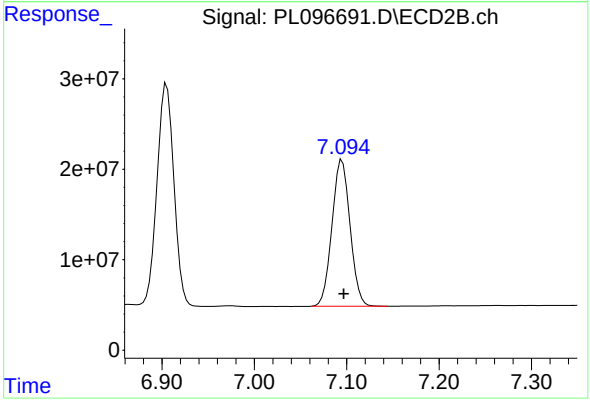
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 310511554
Conc: 55.75 ng/ml



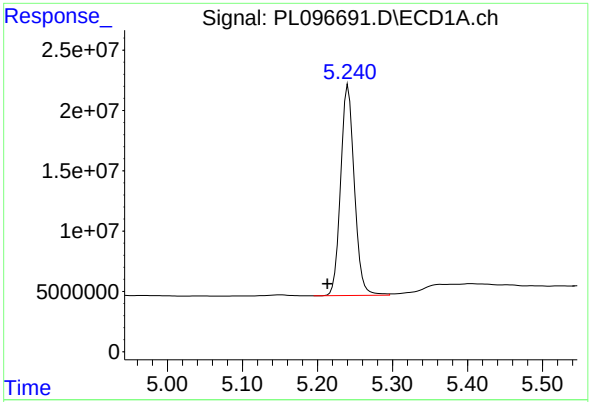
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 125740405
Conc: 50.72 ng/ml



#22 Mirex

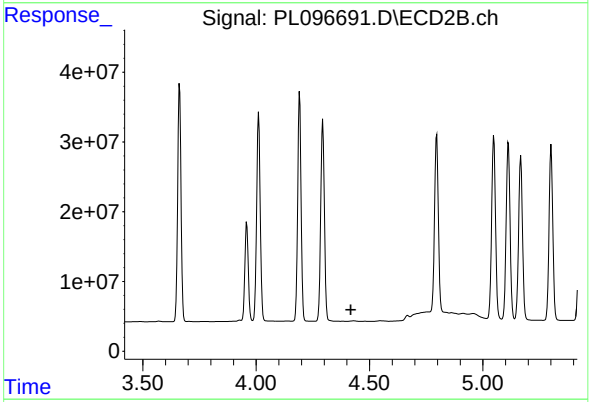
R.T.: 7.095 min
Delta R.T.: -0.002 min
Response: 220007413
Conc: 50.45 ng/ml



#24 Chlordane-2

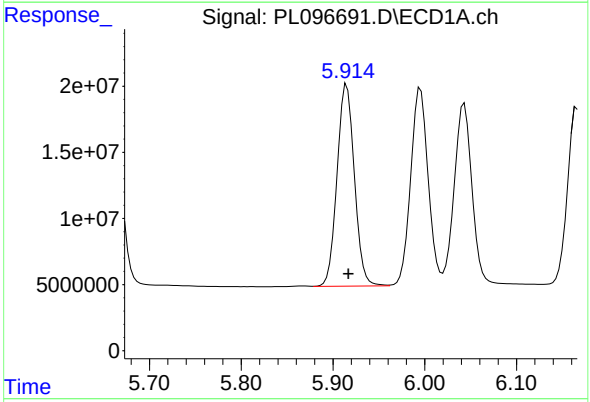
R.T.: 5.241 min
Delta R.T.: 0.028 min
Response: 221622281
Conc: 1266.36 ng/m

Instrument :
ECD_L
ClientSampleId :
PB169093BS



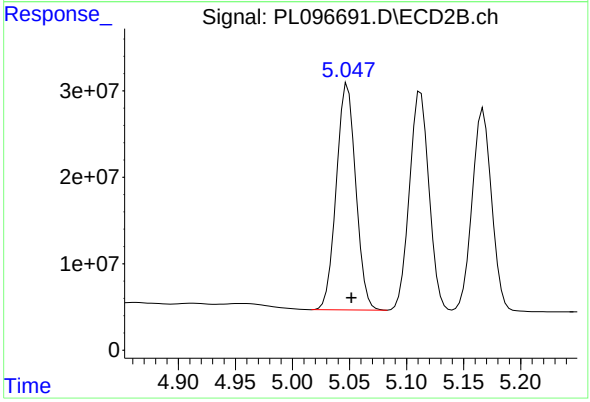
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



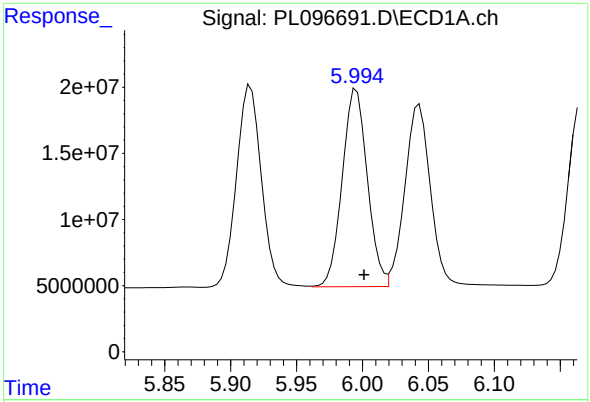
#25 Chlordane-3

R.T.: 5.915 min
Delta R.T.: -0.002 min
Response: 200622830
Conc: 300.36 ng/ml



#25 Chlordane-3

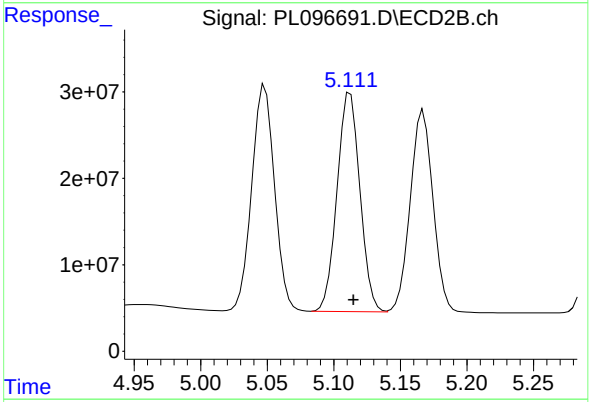
R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 311396456
Conc: 447.86 ng/ml



#26 Chlordane-4

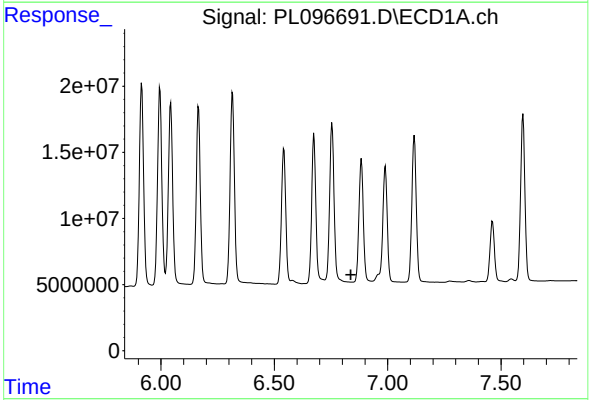
R.T.: 5.995 min
Delta R.T.: -0.006 min
Response: 197798054
Conc: 238.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



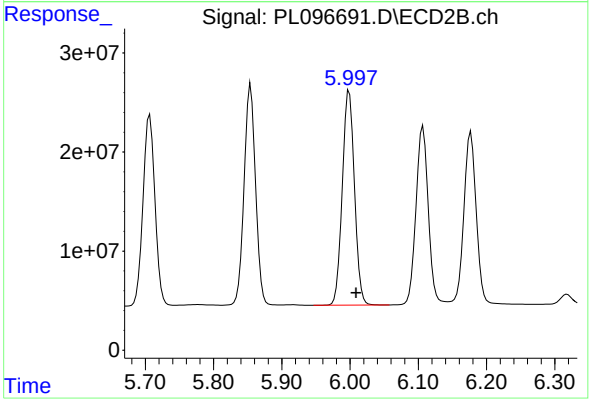
#26 Chlordane-4

R.T.: 5.112 min
Delta R.T.: -0.002 min
Response: 302934904
Conc: 486.77 ng/ml



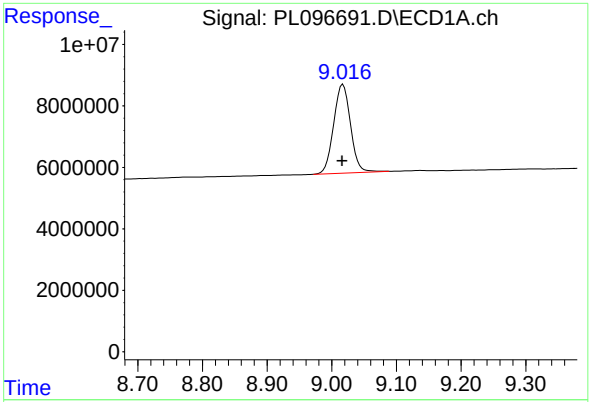
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

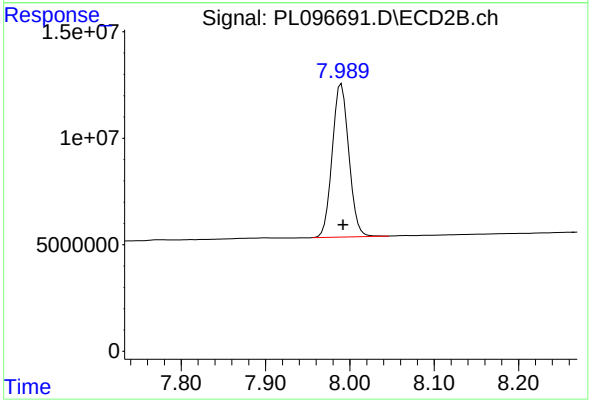
R.T.: 5.999 min
Delta R.T.: -0.010 min
Response: 268476490
Conc: 1052.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: 0.002 min
Response: 52303080
Conc: 21.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169093BS



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 98525020
Conc: 22.71 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096696.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:22
Operator : AR\AJ
Sample : Q2734-01MS 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.827	8454652	10204194	2.658	2.136	
28)	SA Decachlor...	0.000	7.990	0	9705036	N.D.	2.237	#
	Target Compounds							
2)	A alpha-BHC	3.981	3.332	21760223	33640431	4.704	4.753	
3)	MA gamma-BHC...	4.309	3.664	20904409	32982353	4.726	4.995	
4)	MA Heptachlor	4.901	4.013	19221570	32391951	4.625	4.862	
5)	MB Aldrin	5.240	4.295	20569713	29320636	4.783	4.724	
6)	B beta-BHC	4.496	3.960	9331698	13837780	5.170	4.905	
7)	B delta-BHC	0.000	4.193	0	30653391	N.D.	4.735	#
8)	B Heptachlo...	5.660	4.798	25234603	29028252	6.543	5.083	
9)	A Endosulfan I	6.042	5.168	18864858	29136355	5.246	5.267	
10)	B gamma-Chl...	5.914	5.049	20310958	28529436	5.338	4.852	
11)	B alpha-Chl...	5.994	5.113	19355857	29233850	5.021	4.956	
12)	B 4,4'-DDE	6.164	5.302	21603730	37694939	6.728	6.836	
13)	MA Dieldrin	6.314	5.433	17495398	29899504	4.714	5.062	
14)	MA Endrin	6.540	5.709	13187829	30844604	4.357	5.706	#
15)	B Endosulfa...	6.753	6.000	16326679	24819067	5.098	4.832	
16)	A 4,4'-DDD	6.673	5.854	13895065	22763968	5.496	4.838	
17)	MA 4,4'-DDT	6.987	6.107	20149519	29986841	7.026	5.928	
18)	B Endrin al...	6.882	6.177	11573581	25005835	5.393	3.681	#
19)	B Endosulfa...	7.116	6.401	13818091	24058857	4.808	4.730	
20)	A Methoxychlor	7.460	6.679	7682286	8237995	5.232	3.006	#
21)	B Endrin ke...	7.595	6.905	15861935	24439520	5.275	4.388	
22)	Mirex	8.074	7.095	13233255	19877033	5.337	4.558	
24)	Chlordane-2	5.240f	0.000	20569713	0	117.537	N.D.	#
25)	Chlordane-3	5.914	5.049	20310958	28529436	30.408	41.032	#
26)	Chlordane-4	5.994	5.113	19355857	29233850	23.385	46.975	#
27)	Chlordane-5	0.000	6.000	0	24819067	N.D.	97.287	#

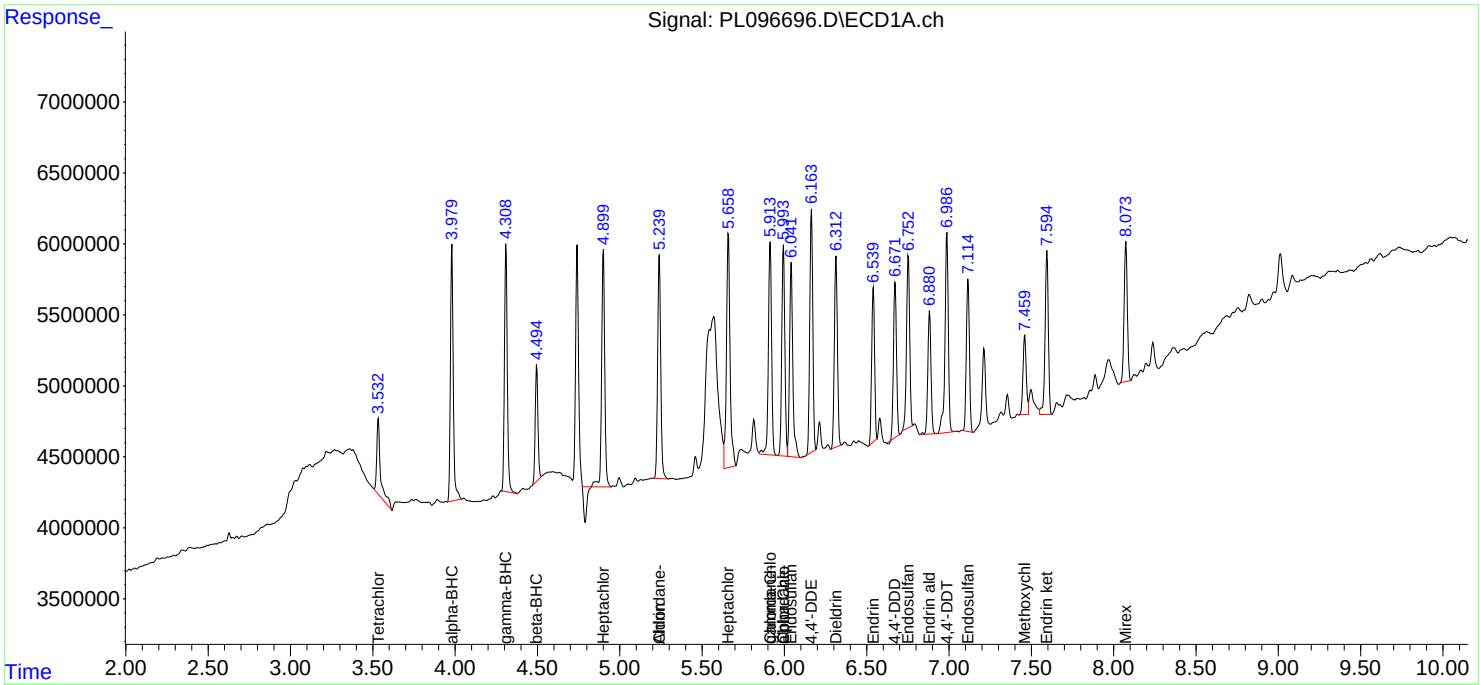
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

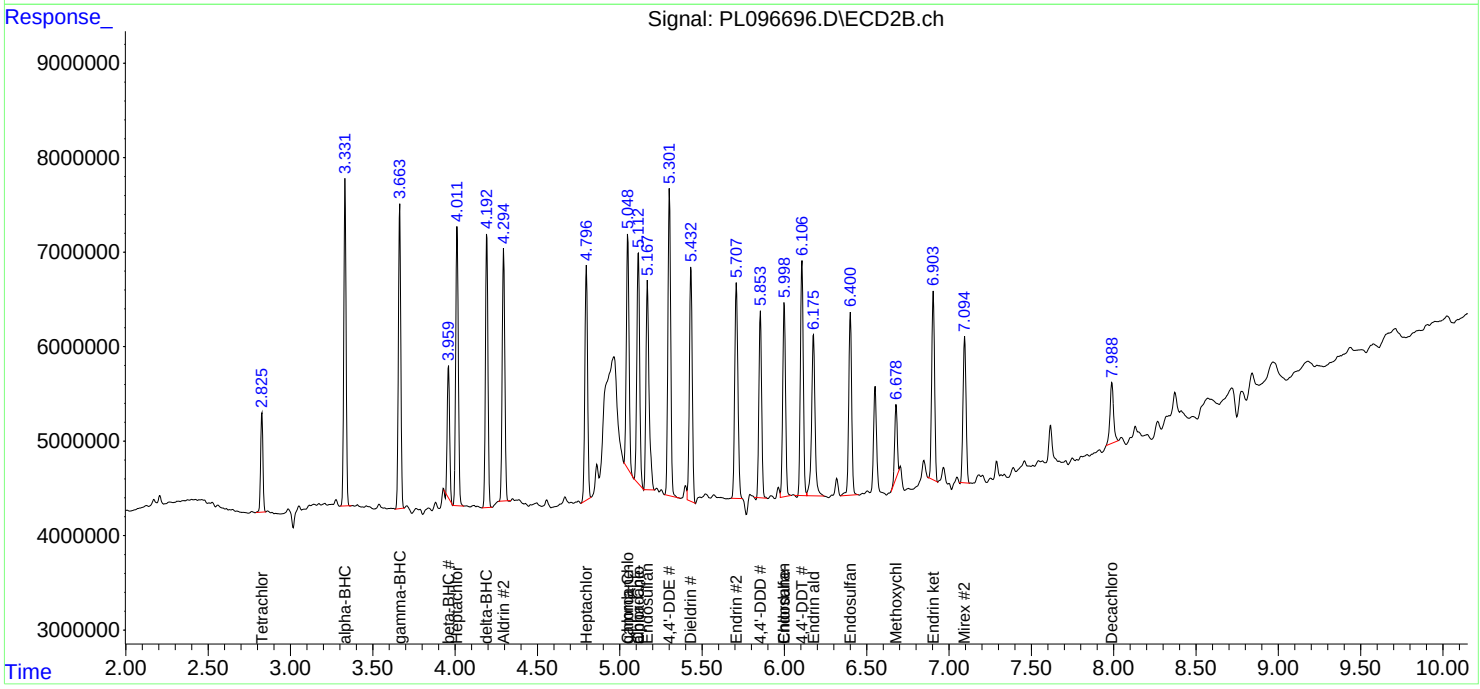
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096696.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:22
Operator : AR\AJ
Sample : Q2734-01MS 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

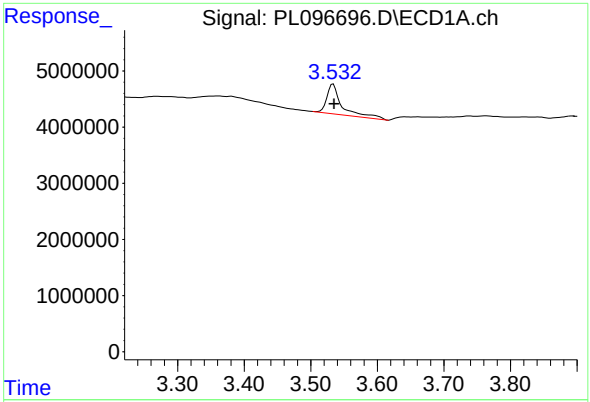
Instrument :
ECD_L
ClientSampleId :
VNJ-253MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



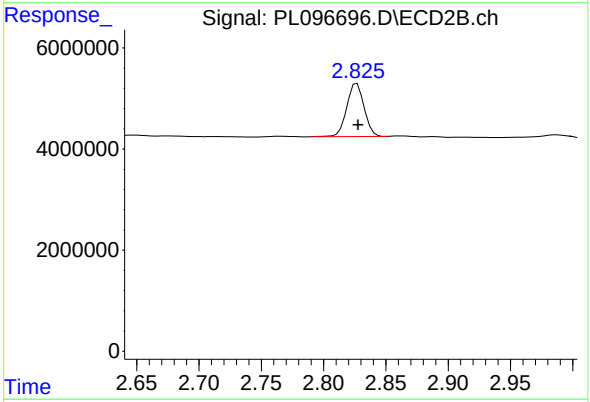




#1 Tetrachloro-m-xylene

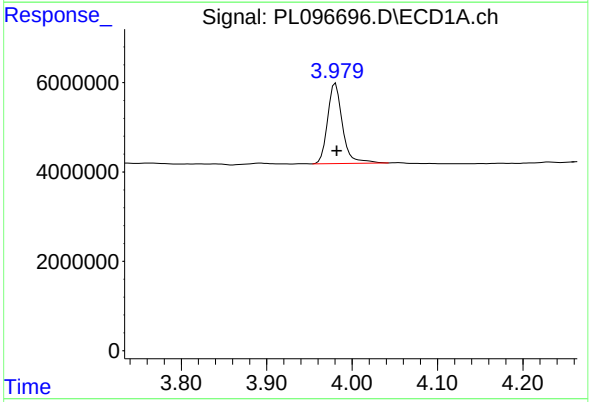
R.T.: 3.534 min
Delta R.T.: -0.001 min
Response: 8454652
Conc: 2.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



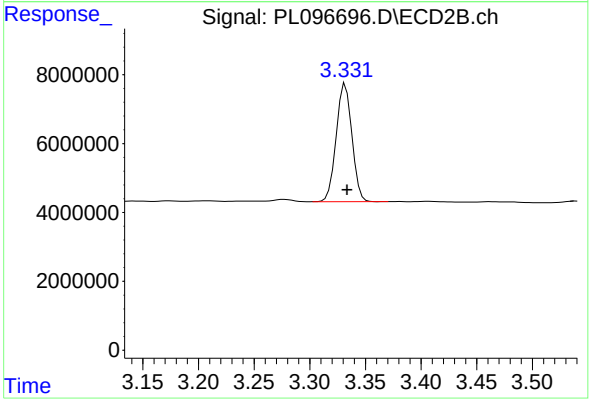
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 10204194
Conc: 2.14 ng/ml



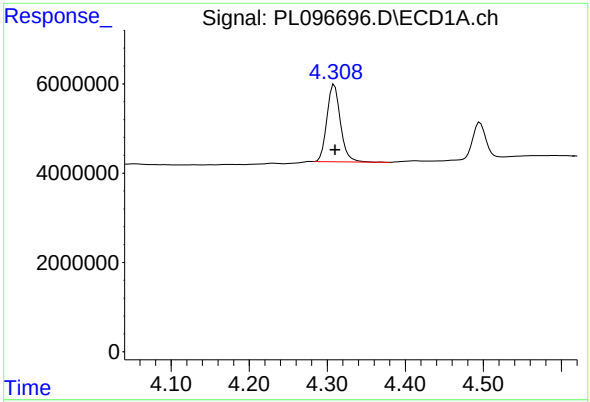
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 21760223
Conc: 4.70 ng/ml



#2 alpha-BHC

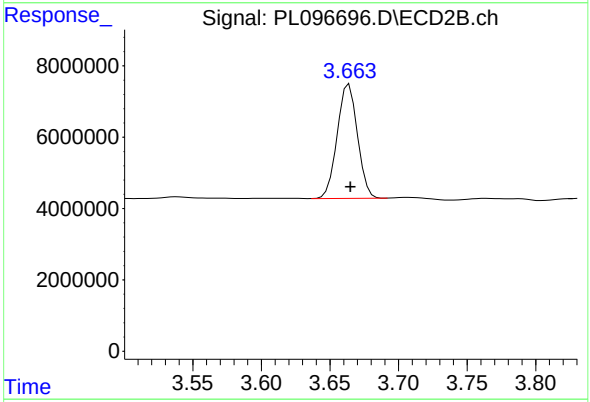
R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 33640431
Conc: 4.75 ng/ml



#3 gamma-BHC (Lindane)

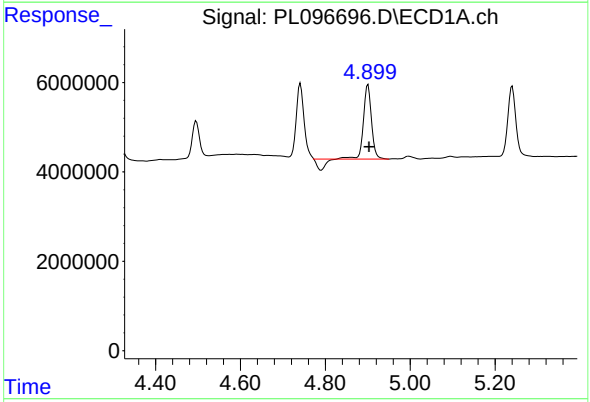
R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 20904409
Conc: 4.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



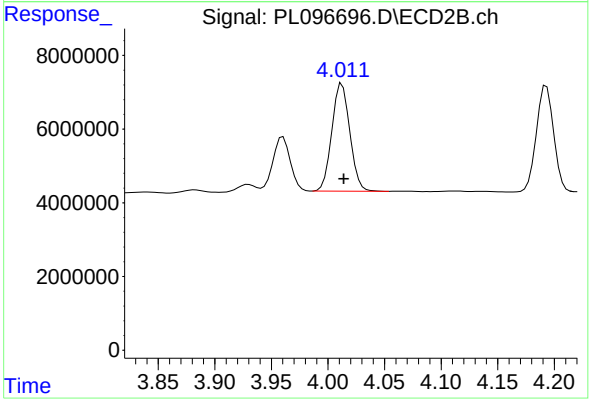
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 32982353
Conc: 4.99 ng/ml



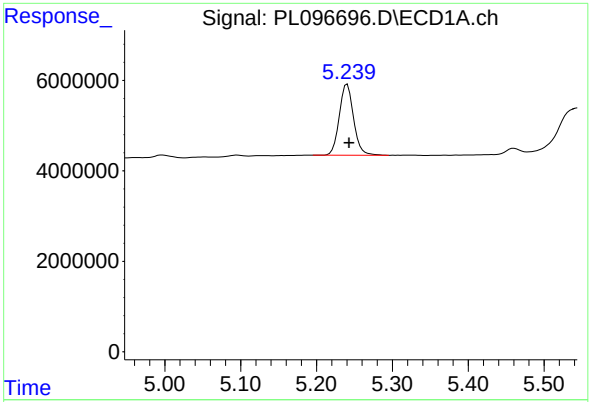
#4 Heptachlor

R.T.: 4.901 min
Delta R.T.: -0.002 min
Response: 19221570
Conc: 4.63 ng/ml



#4 Heptachlor

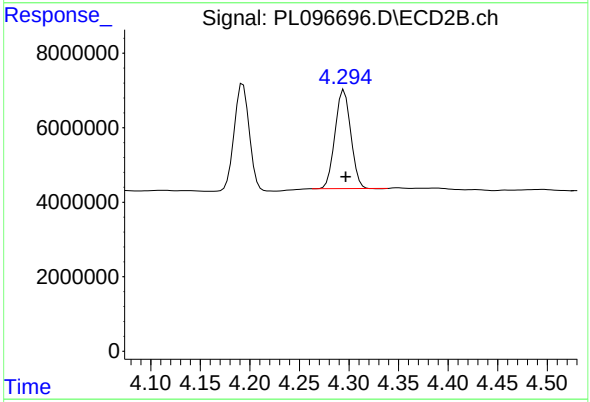
R.T.: 4.013 min
Delta R.T.: -0.002 min
Response: 32391951
Conc: 4.86 ng/ml



#5 Aldrin

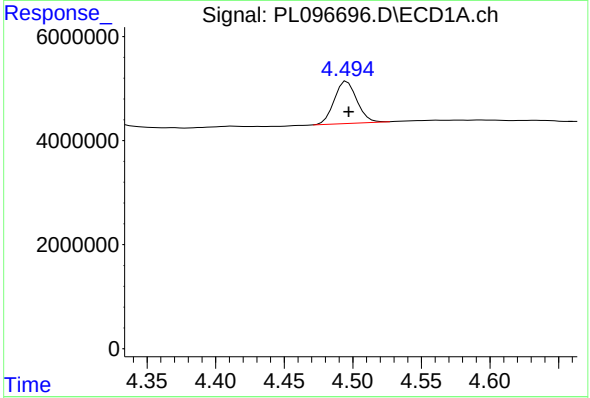
R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 20569713
Conc: 4.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



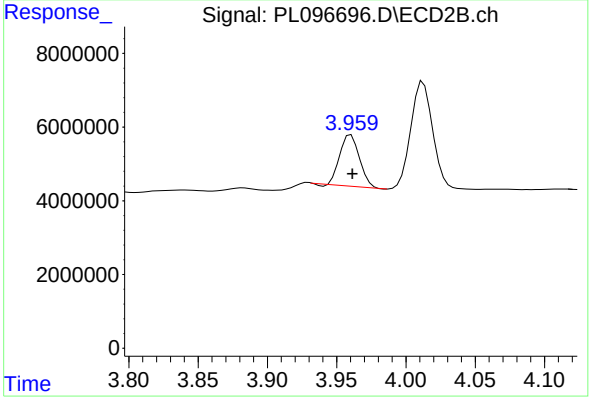
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.002 min
Response: 29320636
Conc: 4.72 ng/ml



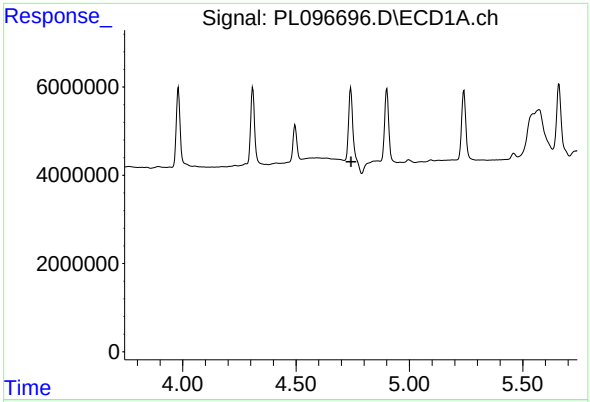
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 9331698
Conc: 5.17 ng/ml



#6 beta-BHC

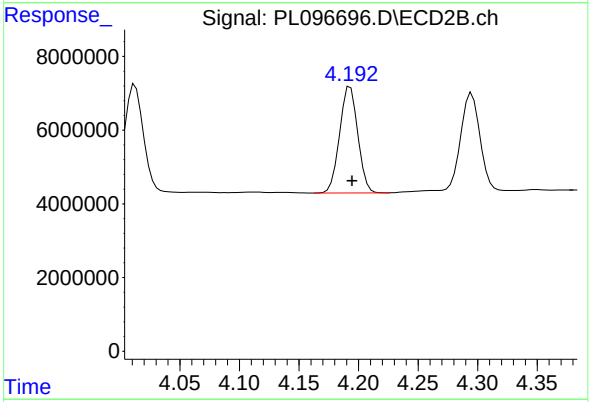
R.T.: 3.960 min
Delta R.T.: 0.000 min
Response: 13837780
Conc: 4.91 ng/ml



#7 delta-BHC

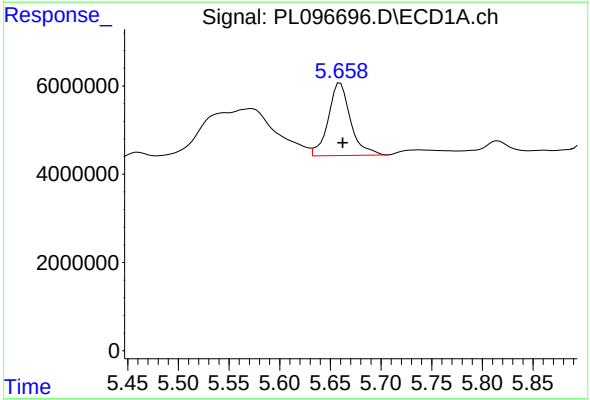
R.T.: 0.000 min
Exp R.T. : 4.743 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



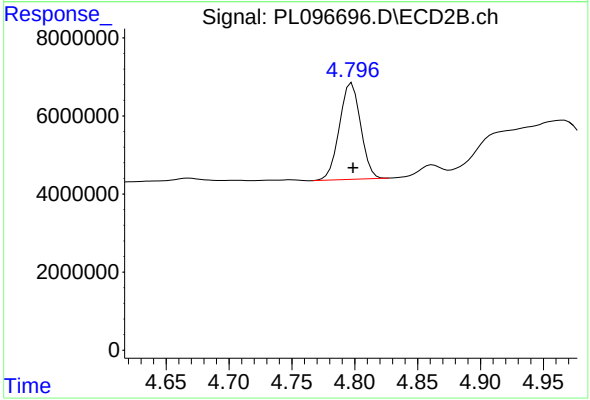
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.001 min
Response: 30653391
Conc: 4.74 ng/ml



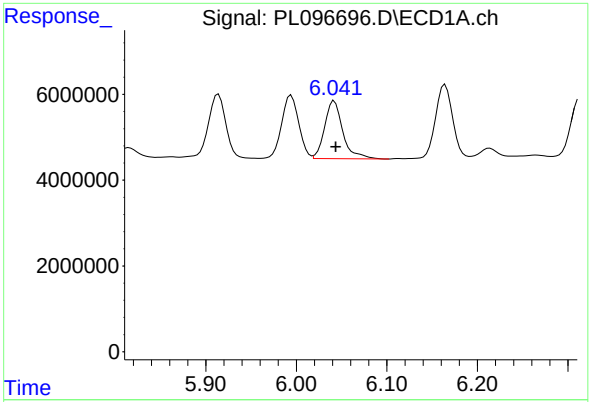
#8 Heptachlor epoxide

R.T.: 5.660 min
Delta R.T.: -0.002 min
Response: 25234603
Conc: 6.54 ng/ml



#8 Heptachlor epoxide

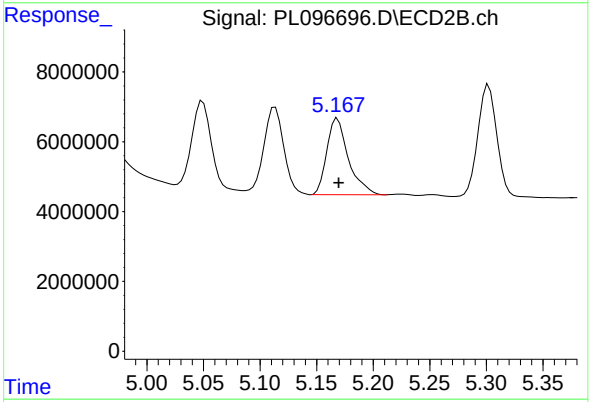
R.T.: 4.798 min
Delta R.T.: -0.001 min
Response: 29028252
Conc: 5.08 ng/ml



#9 Endosulfan I

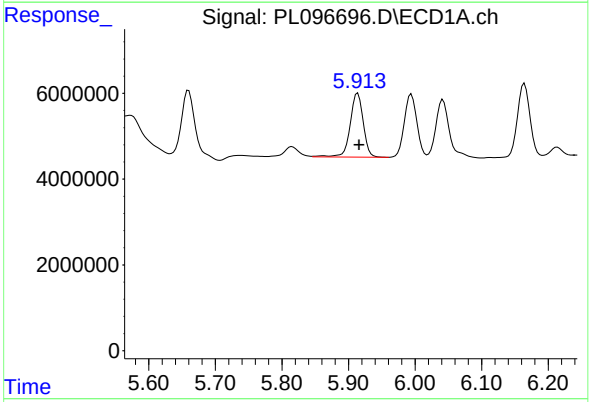
R.T.: 6.042 min
Delta R.T.: -0.002 min
Response: 18864858
Conc: 5.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



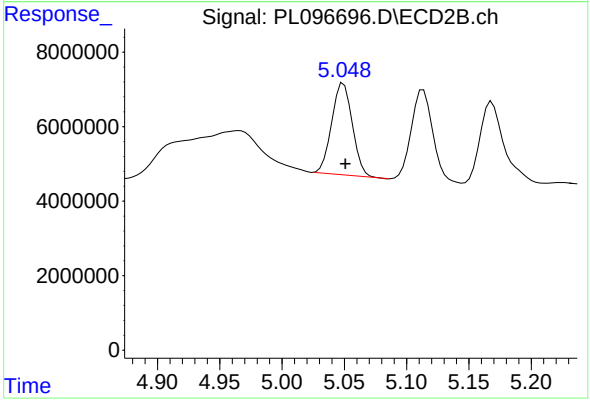
#9 Endosulfan I

R.T.: 5.168 min
Delta R.T.: -0.001 min
Response: 29136355
Conc: 5.27 ng/ml



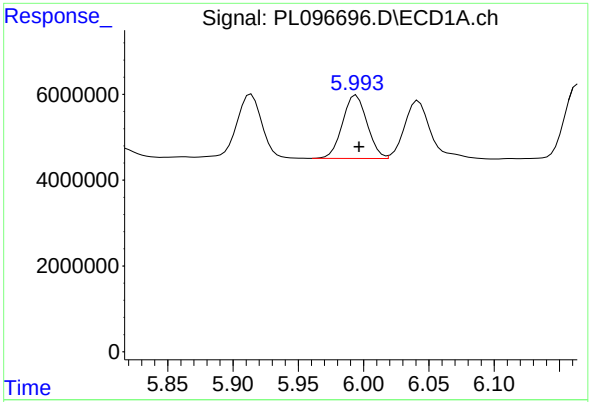
#10 gamma-Chlordane

R.T.: 5.914 min
Delta R.T.: -0.002 min
Response: 20310958
Conc: 5.34 ng/ml



#10 gamma-Chlordane

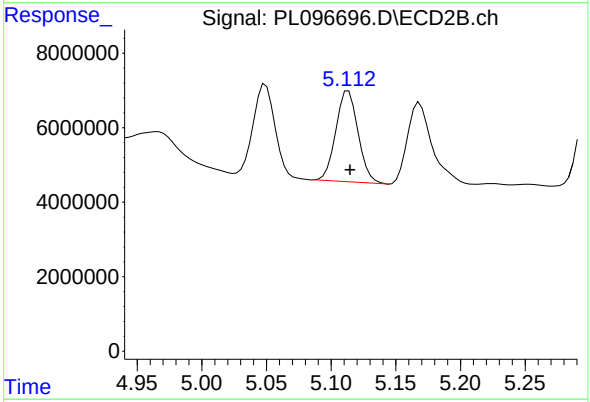
R.T.: 5.049 min
Delta R.T.: -0.002 min
Response: 28529436
Conc: 4.85 ng/ml



#11 alpha-Chlordane

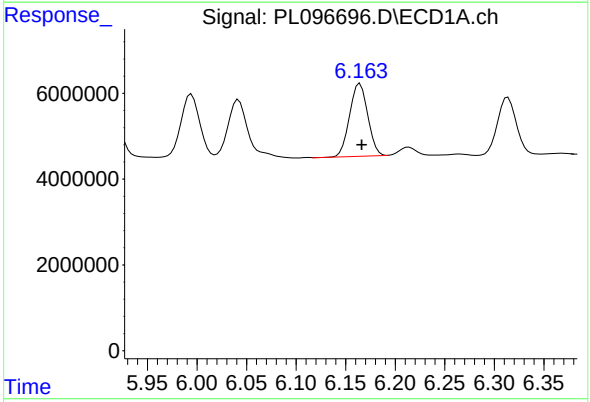
R.T.: 5.994 min
Delta R.T.: -0.002 min
Response: 19355857
Conc: 5.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



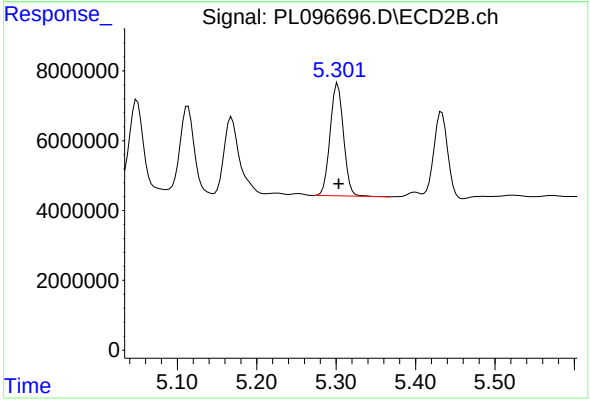
#11 alpha-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.001 min
Response: 29233850
Conc: 4.96 ng/ml



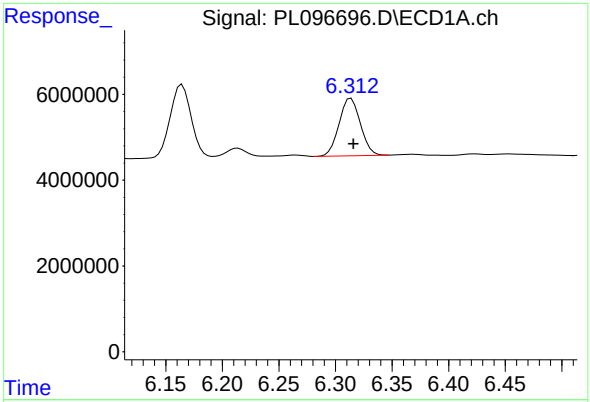
#12 4,4'-DDE

R.T.: 6.164 min
Delta R.T.: -0.002 min
Response: 21603730
Conc: 6.73 ng/ml



#12 4,4'-DDE

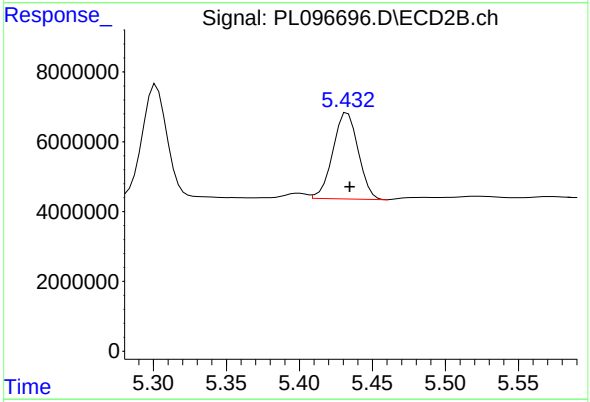
R.T.: 5.302 min
Delta R.T.: -0.002 min
Response: 37694939
Conc: 6.84 ng/ml



#13 Dieldrin

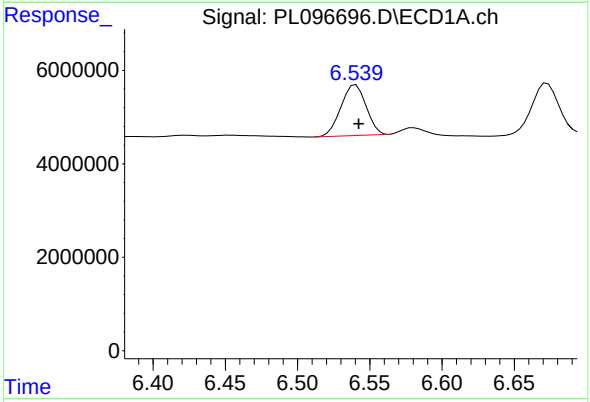
R.T.: 6.314 min
Delta R.T.: -0.002 min
Response: 17495398
Conc: 4.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



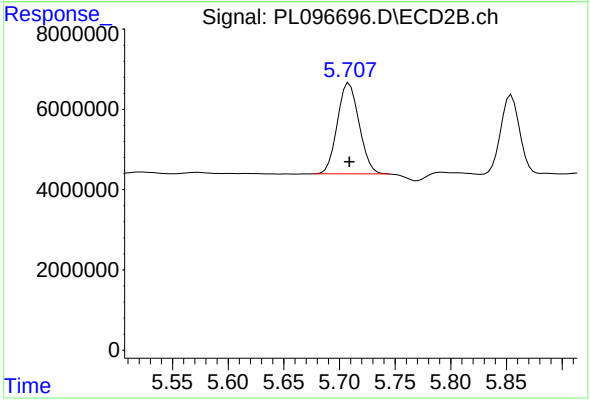
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.002 min
Response: 29899504
Conc: 5.06 ng/ml



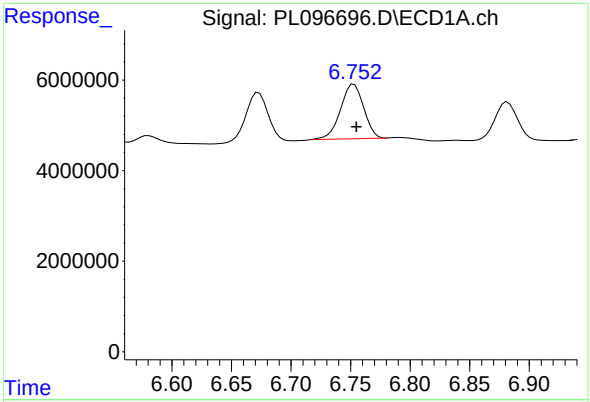
#14 Endrin

R.T.: 6.540 min
Delta R.T.: -0.002 min
Response: 13187829
Conc: 4.36 ng/ml



#14 Endrin

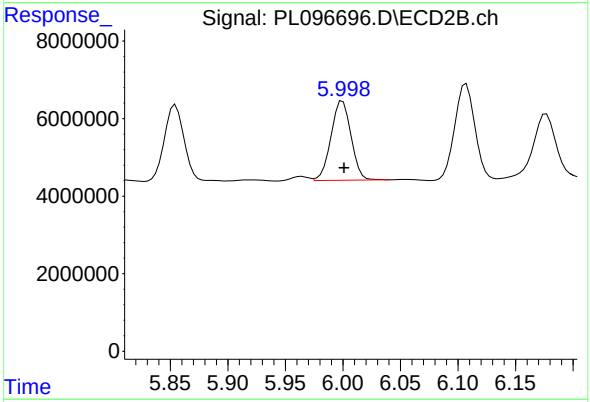
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 30844604
Conc: 5.71 ng/ml



#15 Endosulfan II

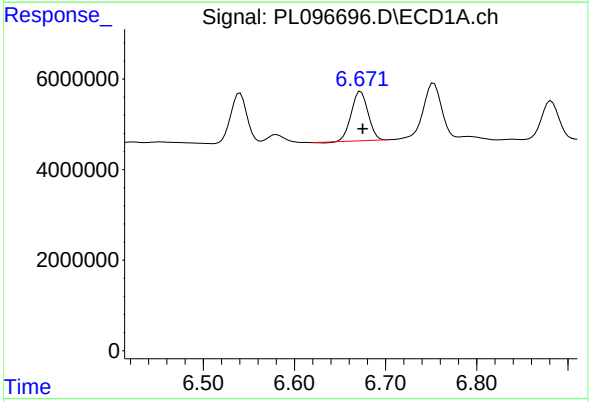
R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 16326679
Conc: 5.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



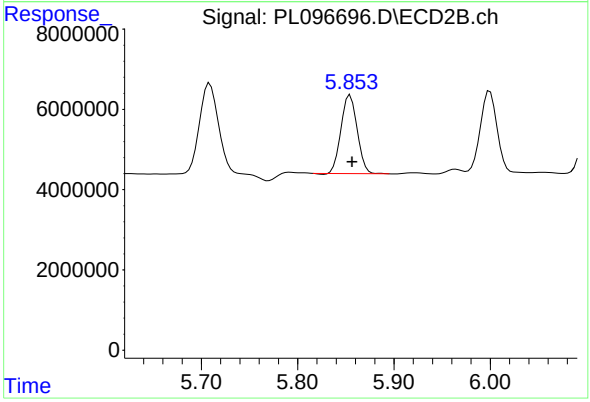
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.001 min
Response: 24819067
Conc: 4.83 ng/ml



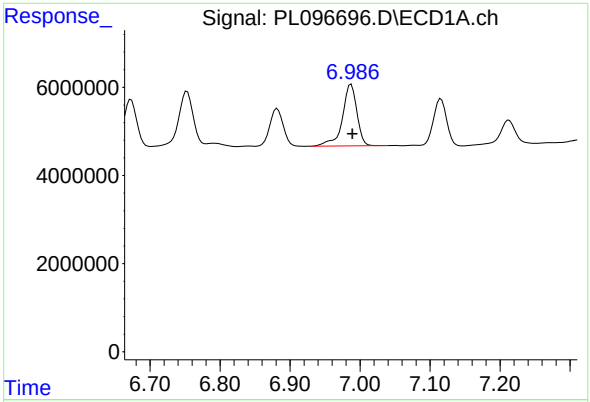
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 13895065
Conc: 5.50 ng/ml



#16 4,4'-DDD

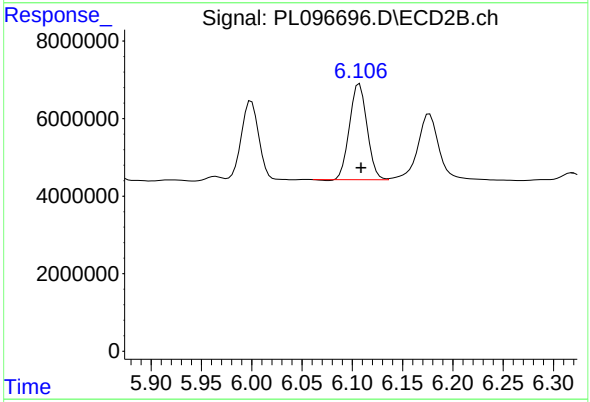
R.T.: 5.854 min
Delta R.T.: -0.002 min
Response: 22763968
Conc: 4.84 ng/ml



#17 4,4'-DDT

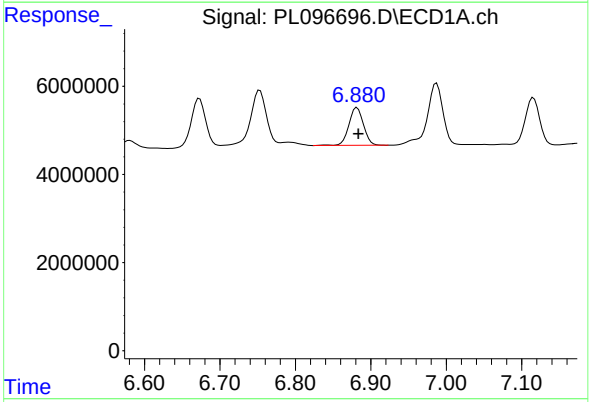
R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 20149519
Conc: 7.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



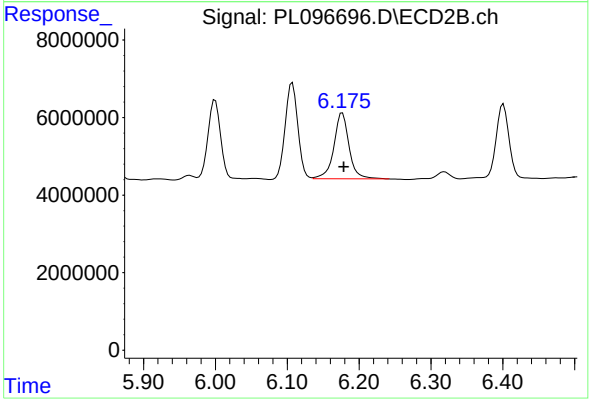
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 29986841
Conc: 5.93 ng/ml



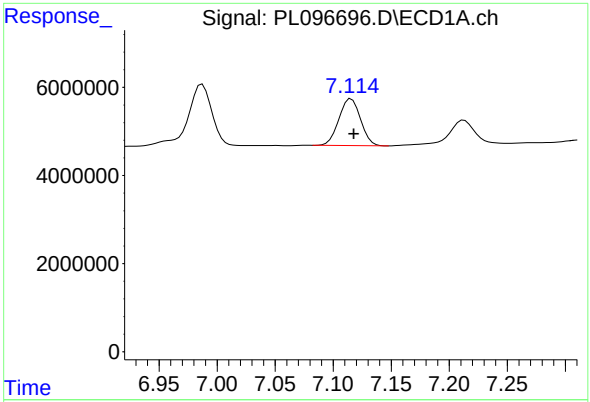
#18 Endrin aldehyde

R.T.: 6.882 min
Delta R.T.: -0.002 min
Response: 11573581
Conc: 5.39 ng/ml



#18 Endrin aldehyde

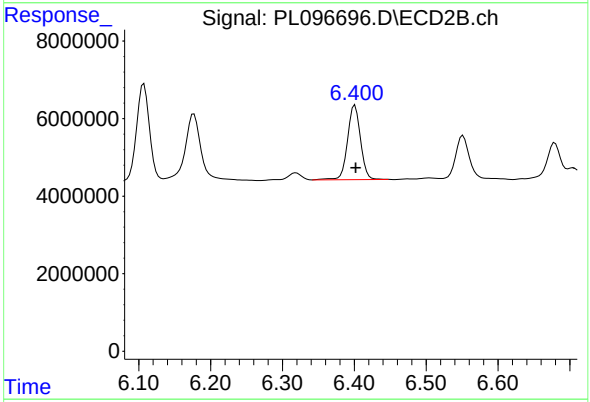
R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 25005835
Conc: 3.68 ng/ml



#19 Endosulfan Sulfate

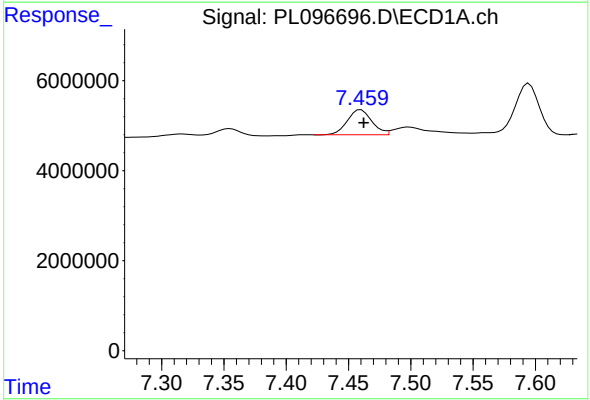
R.T.: 7.116 min
Delta R.T.: -0.002 min
Response: 13818091
Conc: 4.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



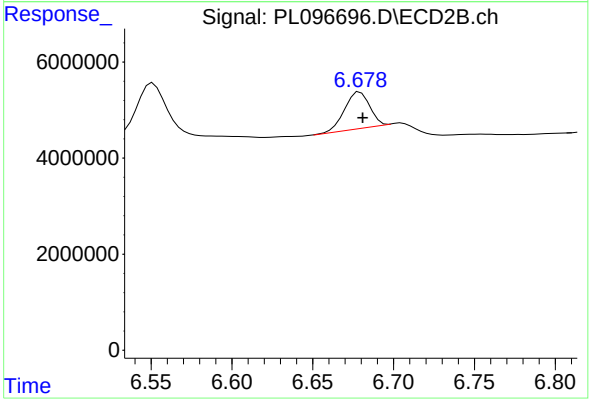
#19 Endosulfan Sulfate

R.T.: 6.401 min
Delta R.T.: -0.001 min
Response: 24058857
Conc: 4.73 ng/ml



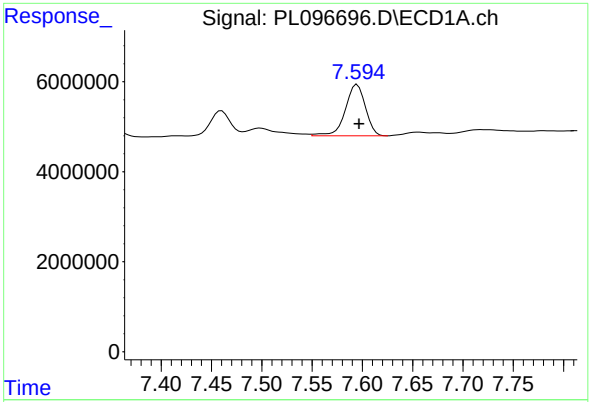
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 7682286
Conc: 5.23 ng/ml



#20 Methoxychlor

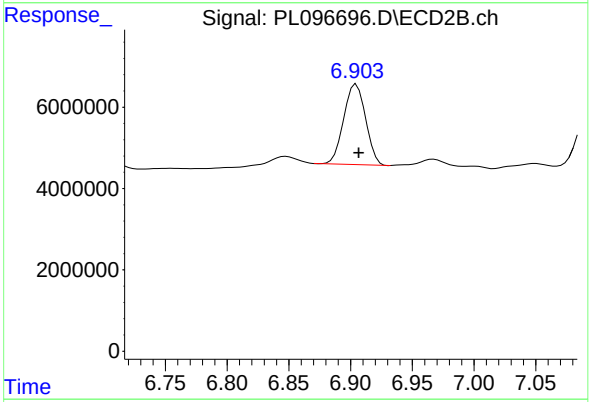
R.T.: 6.679 min
Delta R.T.: -0.002 min
Response: 8237995
Conc: 3.01 ng/ml



#21 Endrin ketone

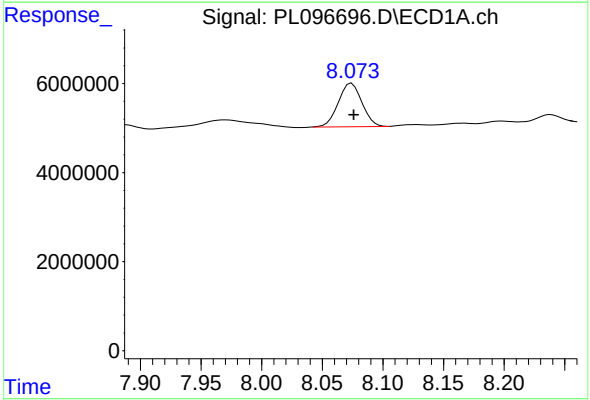
R.T.: 7.595 min
Delta R.T.: -0.002 min
Response: 15861935
Conc: 5.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



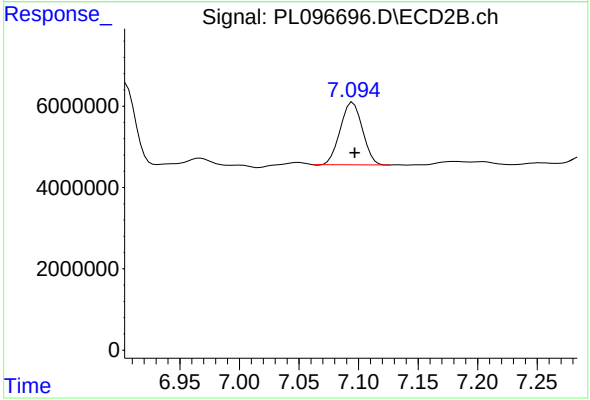
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.002 min
Response: 24439520
Conc: 4.39 ng/ml



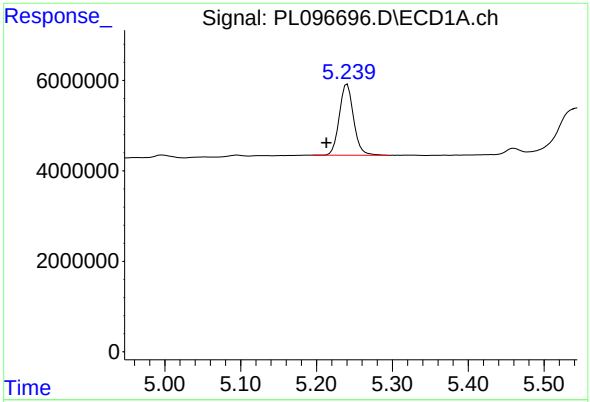
#22 Mirex

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 13233255
Conc: 5.34 ng/ml



#22 Mirex

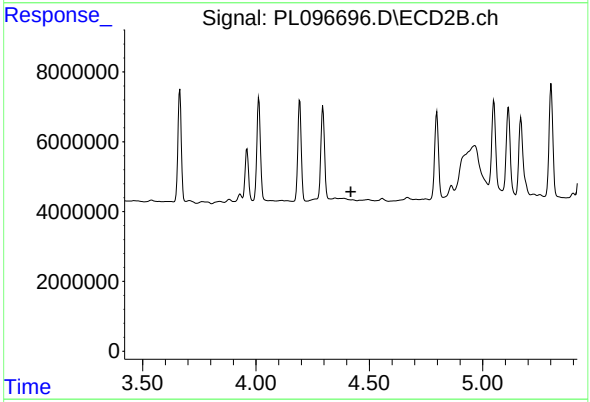
R.T.: 7.095 min
Delta R.T.: -0.001 min
Response: 19877033
Conc: 4.56 ng/ml



#24 Chlordane-2

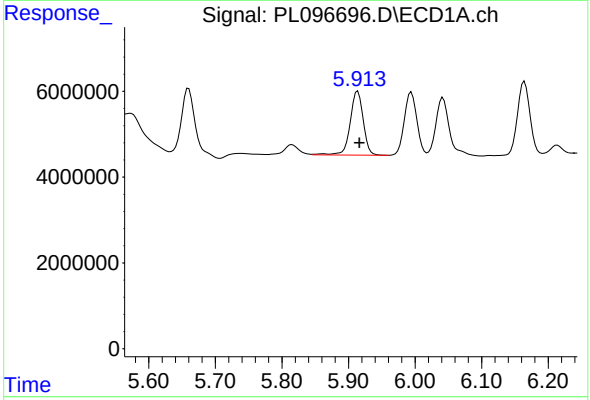
R.T.: 5.240 min
Delta R.T.: 0.027 min
Response: 20569713
Conc: 117.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



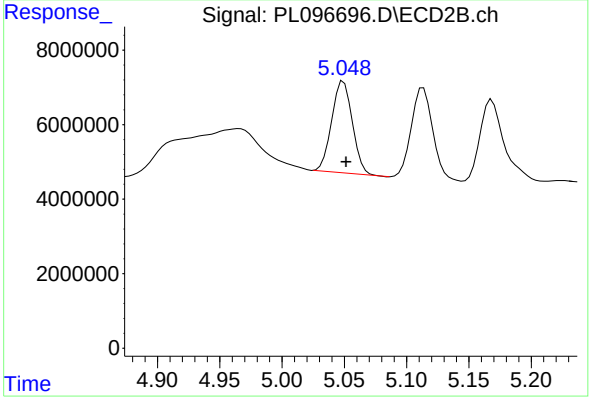
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



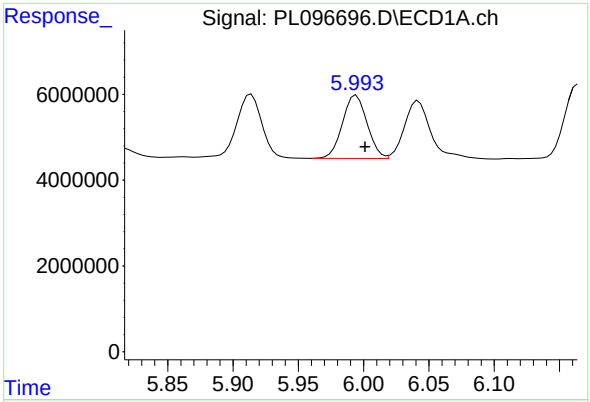
#25 Chlordane-3

R.T.: 5.914 min
Delta R.T.: -0.003 min
Response: 20310958
Conc: 30.41 ng/ml



#25 Chlordane-3

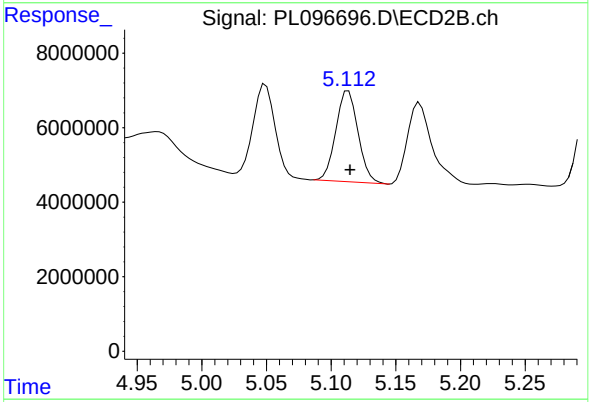
R.T.: 5.049 min
Delta R.T.: -0.002 min
Response: 28529436
Conc: 41.03 ng/ml



#26 Chlordane-4

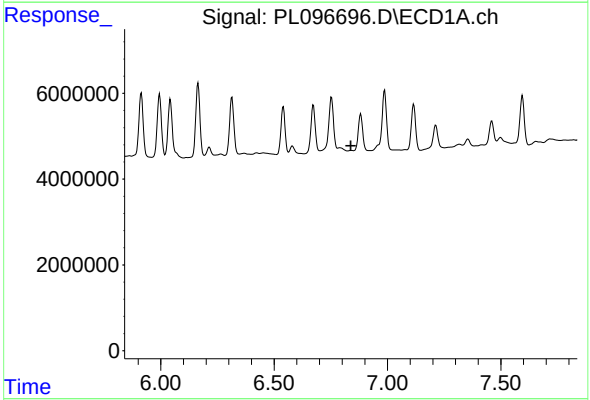
R.T.: 5.994 min
Delta R.T.: -0.007 min
Response: 19355857
Conc: 23.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



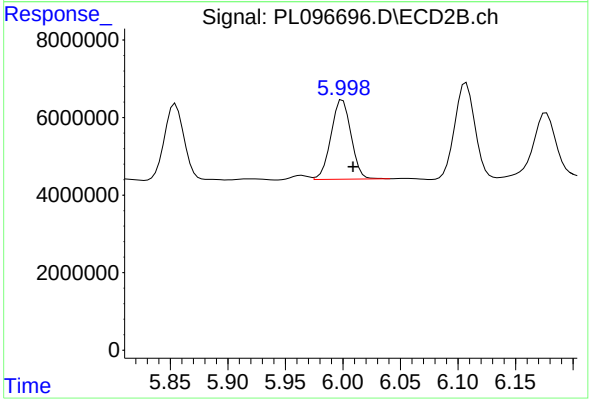
#26 Chlordane-4

R.T.: 5.113 min
Delta R.T.: -0.001 min
Response: 29233850
Conc: 46.97 ng/ml



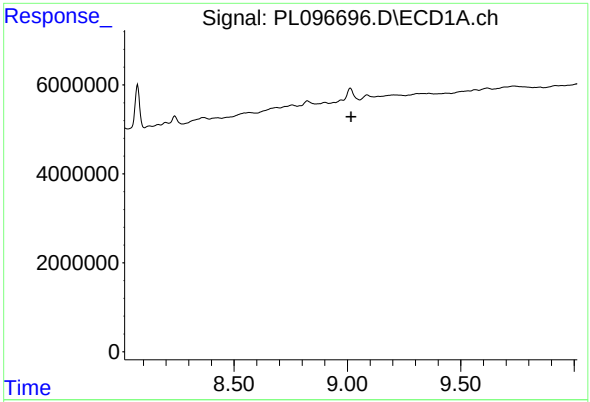
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

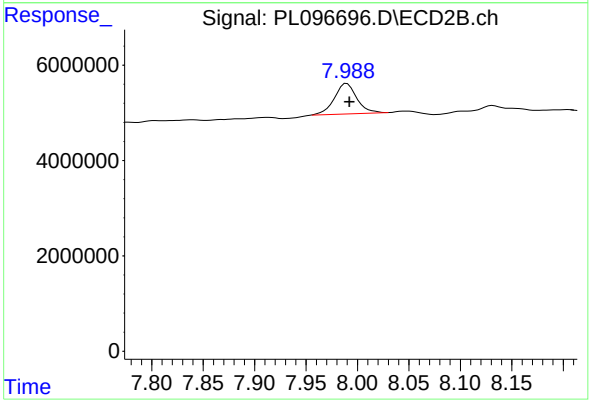
R.T.: 6.000 min
Delta R.T.: -0.009 min
Response: 24819067
Conc: 97.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 9.016 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
VNJ-253MS



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 9705036
Conc: 2.24 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:36
Operator : AR\AJ
Sample : Q2734-01MSD 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.533	2.827	8257004	10126469	2.596	2.119	
28)	SA Decachlor...	0.000	7.991	0	9316561	N.D.	2.148	#
	Target Compounds							
2)	A alpha-BHC	3.981	3.332	21819245	33578707	4.716	4.745	
3)	MA gamma-BHC...	4.309	3.664	21646924	32803941	4.894	4.968	
4)	MA Heptachlor	4.900	4.013	18472650	32089162	4.445	4.817	
5)	MB Aldrin	5.240	4.295	20782091	29159712	4.832	4.698	
6)	B beta-BHC	4.495	3.961	9089509	13529610	5.036	4.796	
7)	B delta-BHC	0.000	4.193	0	30493508	N.D.	4.710	#
8)	B Heptachlo...	5.659	4.797	25489822	28825541	6.610	5.047	
9)	A Endosulfan I	6.041	5.169	19206339	28857954	5.340	5.217	
10)	B gamma-Chl...	5.913	5.050	19024960	28395989	5.000	4.829	
11)	B alpha-Chl...	5.994	5.114	19823040	29051737	5.143	4.925	
12)	B 4,4'-DDE	6.163	5.302	21935783	37411834	6.831	6.784	
13)	MA Dieldrin	6.313	5.433	17393142	29700959	4.687	5.028	
14)	MA Endrin	6.539	5.709	13566585	30312515	4.482	5.607	#
15)	B Endosulfa...	6.752	5.999	16546696	24679735	5.167	4.805	
16)	A 4,4'-DDD	6.672	5.854	14622725	23159489	5.783	4.922	
17)	MA 4,4'-DDT	6.987	6.107	19724770	29947860	6.878	5.921	
18)	B Endrin al...	6.882	6.177	12123149	25990117	5.649	3.964	#
19)	B Endosulfa...	7.115	6.401	14369153	23969428	5.000	4.713	
20)	A Methoxychlor	7.460	6.680	5913828	7943839	4.028	2.899	#
21)	B Endrin ke...	7.594	6.905	14378949	24310689	4.782	4.365	
22)	Mirex	8.074	7.096	13459707	20157034	5.429	4.622	
24)	Chlordane-2	5.240f	0.000	20782091	0	118.750	N.D.	#
25)	Chlordane-3	5.913	5.050	19024960	28395989	28.483	40.840	#
26)	Chlordane-4	5.994	5.114	19823040	29051737	23.950	46.682	#
27)	Chlordane-5	0.000	5.999	0	24679735	N.D.	96.741	#

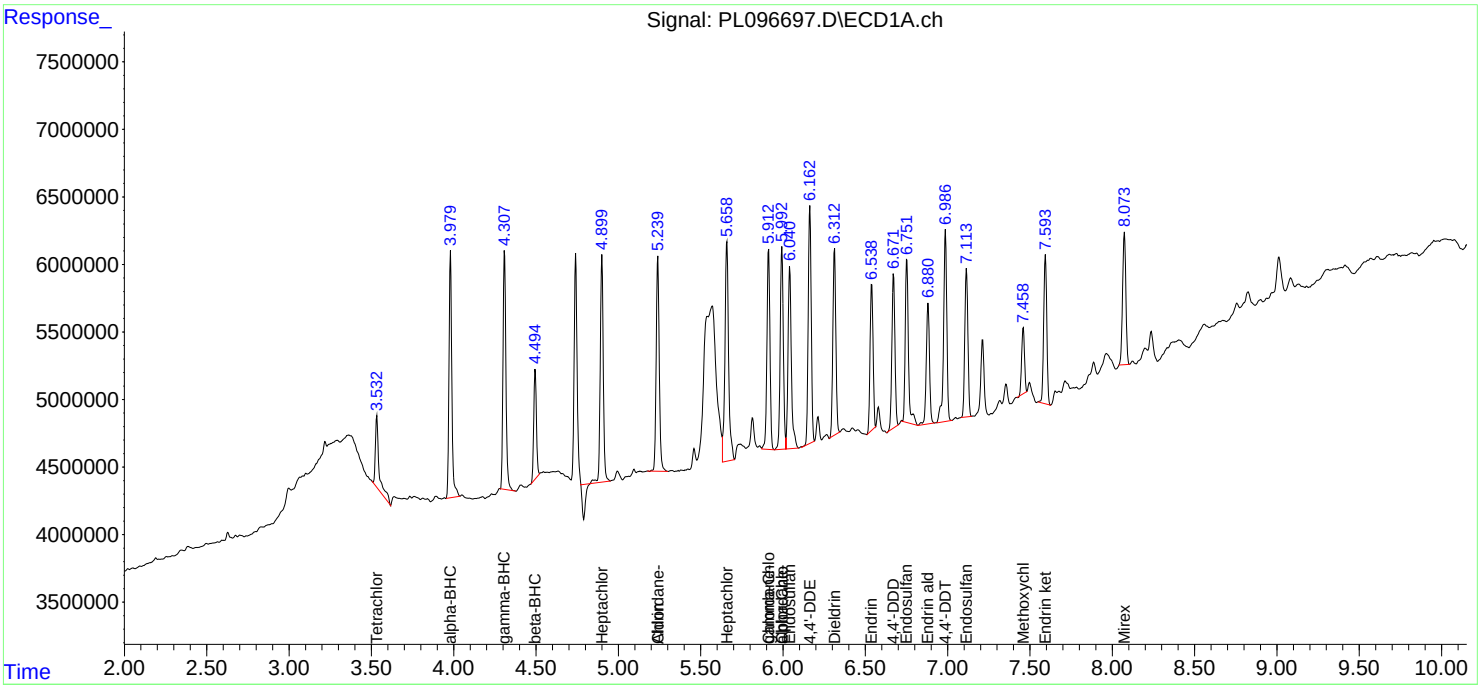
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

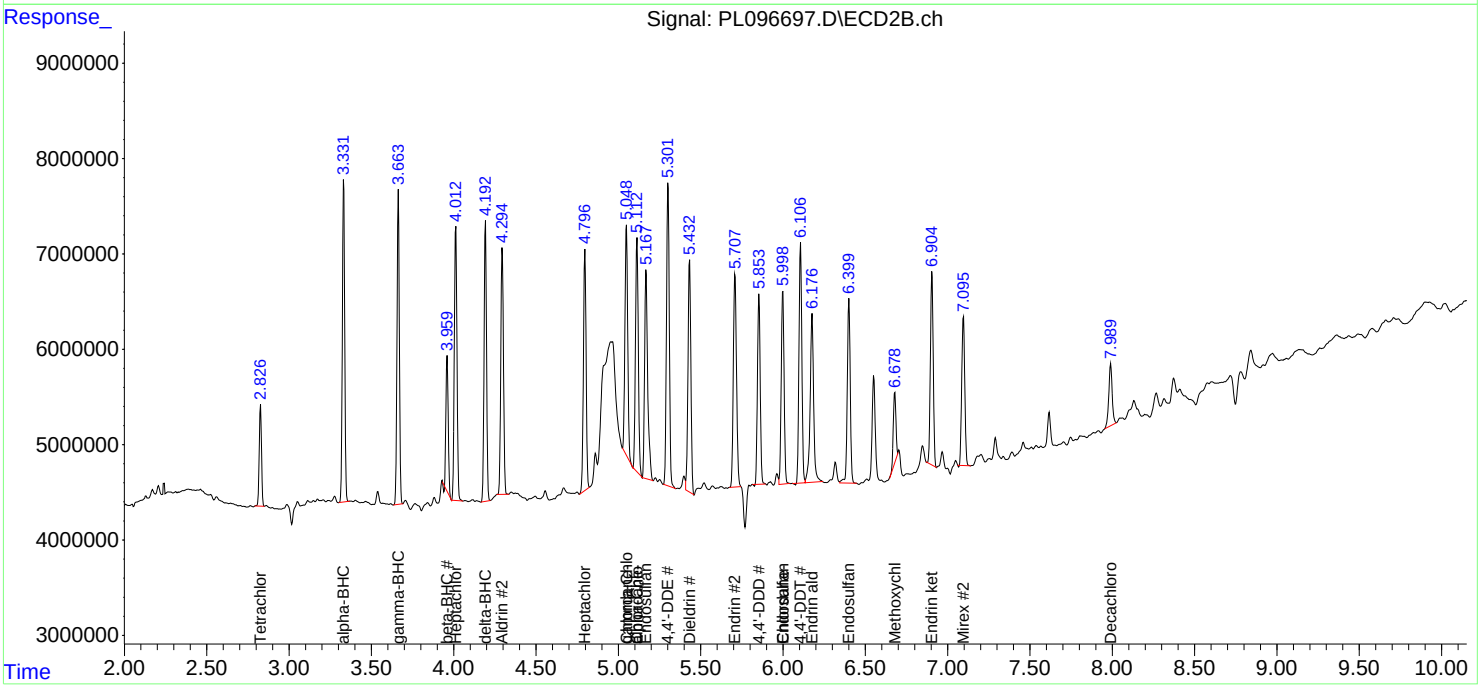
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 14:36
Operator : AR\AJ
Sample : Q2734-01MSD 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

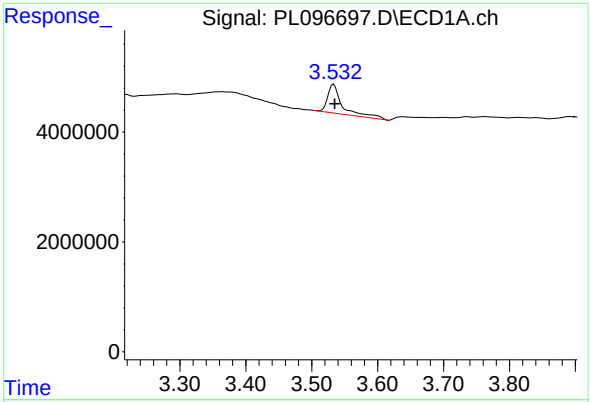
Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



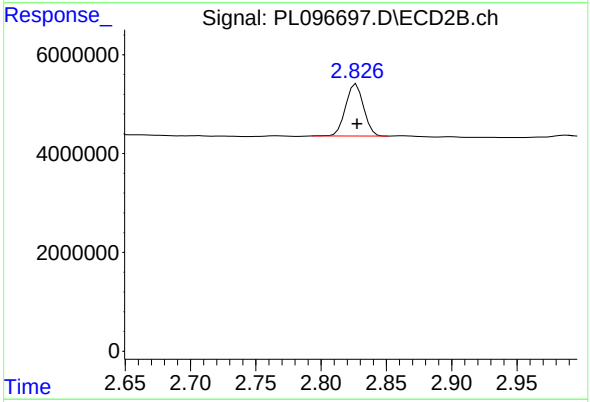




#1 Tetrachloro-m-xylene

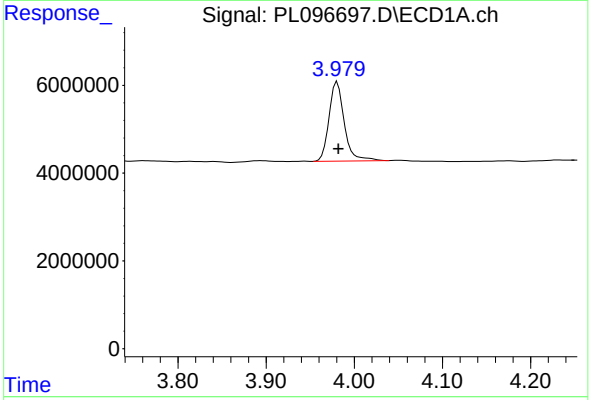
R.T.: 3.533 min
Delta R.T.: -0.002 min
Response: 8257004
Conc: 2.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



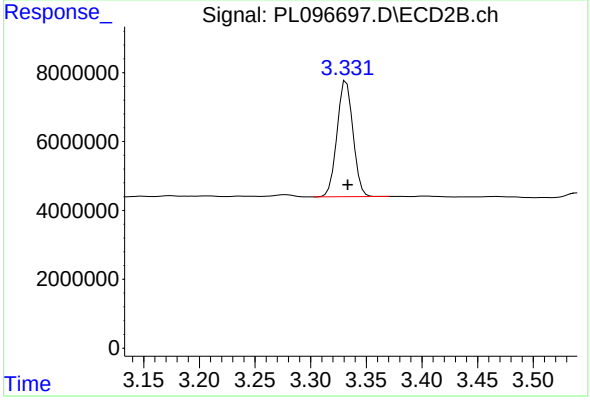
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 10126469
Conc: 2.12 ng/ml



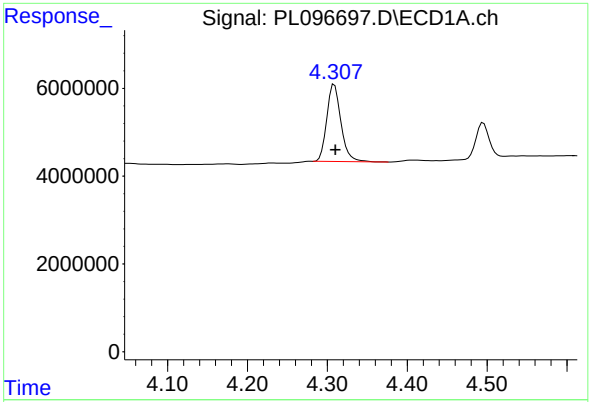
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 21819245
Conc: 4.72 ng/ml



#2 alpha-BHC

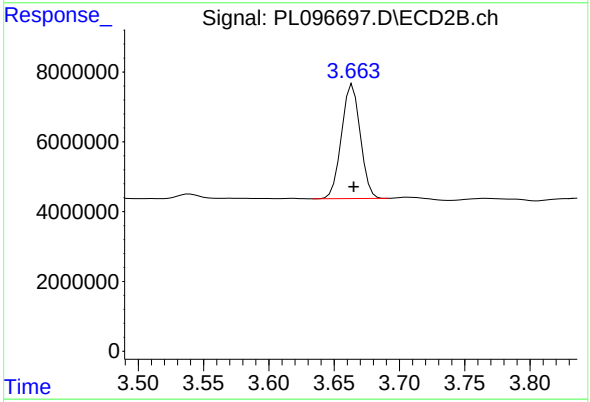
R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 33578707
Conc: 4.74 ng/ml



#3 gamma-BHC (Lindane)

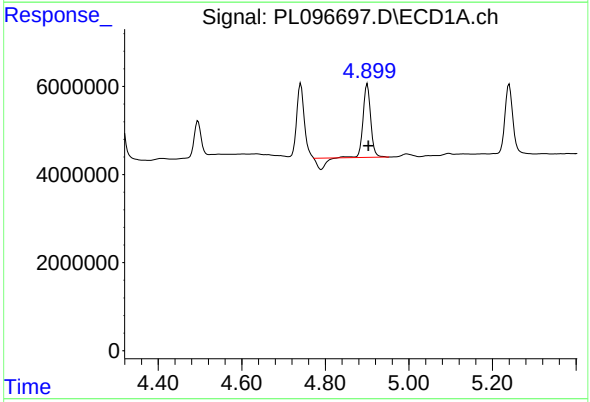
R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 21646924
Conc: 4.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



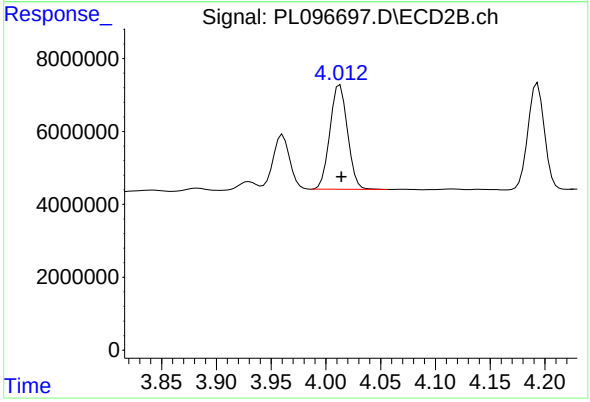
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 32803941
Conc: 4.97 ng/ml



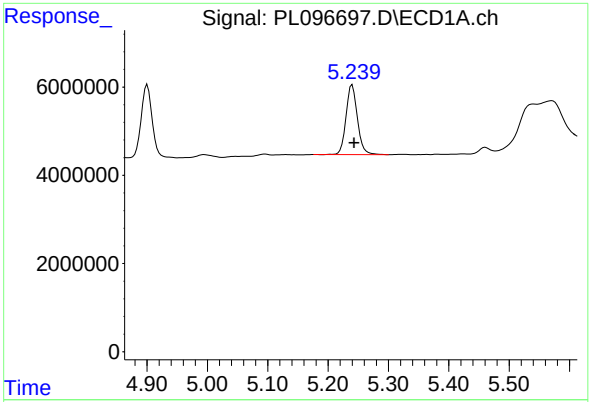
#4 Heptachlor

R.T.: 4.900 min
Delta R.T.: -0.002 min
Response: 18472650
Conc: 4.45 ng/ml



#4 Heptachlor

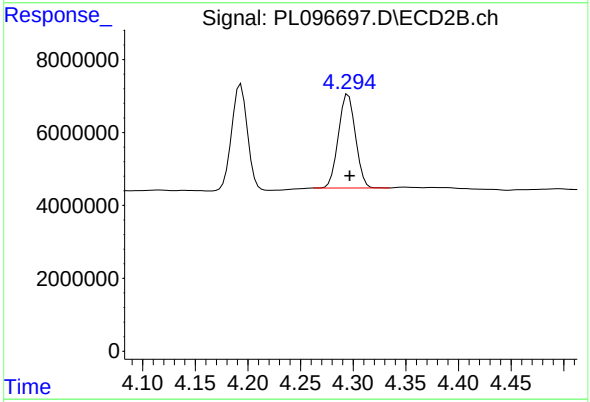
R.T.: 4.013 min
Delta R.T.: -0.001 min
Response: 32089162
Conc: 4.82 ng/ml



#5 Aldrin

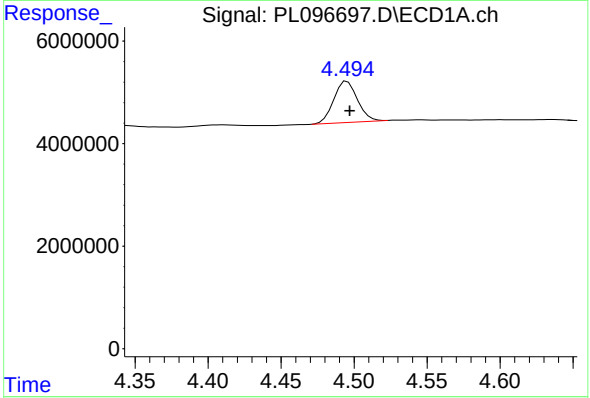
R.T.: 5.240 min
Delta R.T.: -0.003 min
Response: 20782091
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



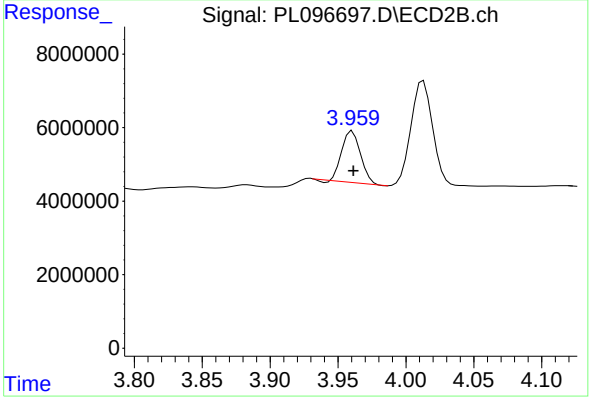
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.001 min
Response: 29159712
Conc: 4.70 ng/ml



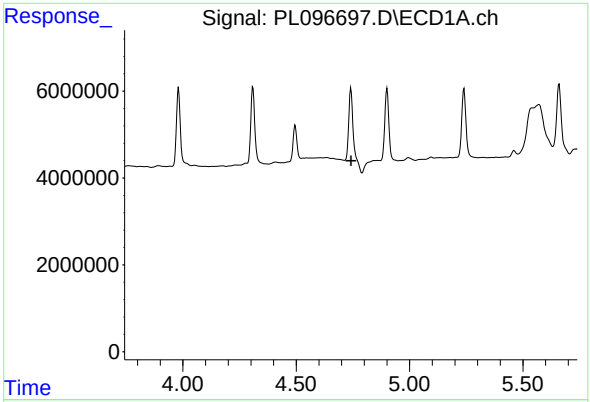
#6 beta-BHC

R.T.: 4.495 min
Delta R.T.: -0.002 min
Response: 9089509
Conc: 5.04 ng/ml



#6 beta-BHC

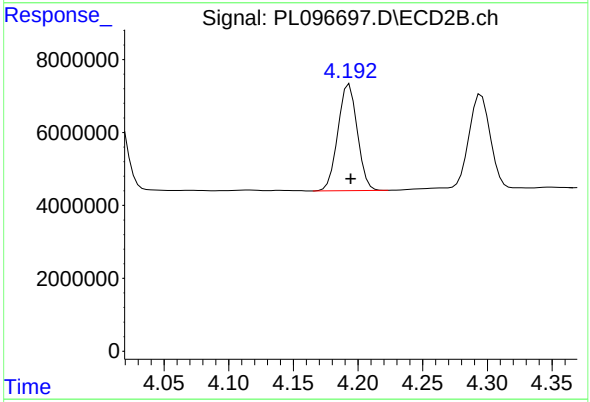
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 13529610
Conc: 4.80 ng/ml



#7 delta-BHC

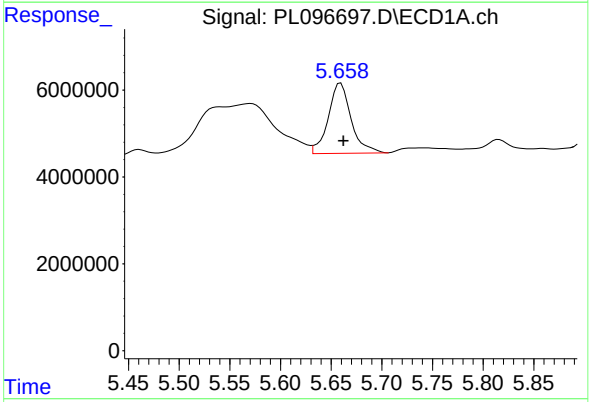
R.T.: 0.000 min
Exp R.T. : 4.743 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



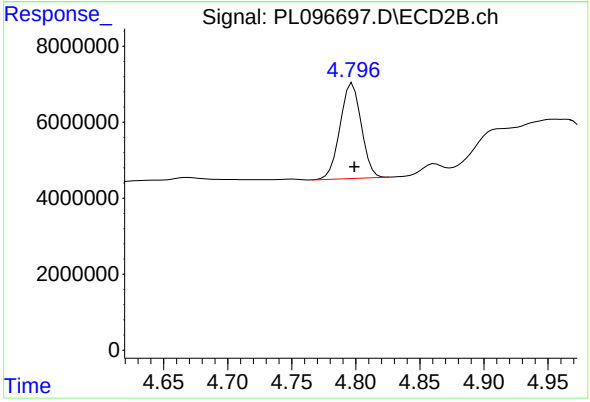
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.001 min
Response: 30493508
Conc: 4.71 ng/ml



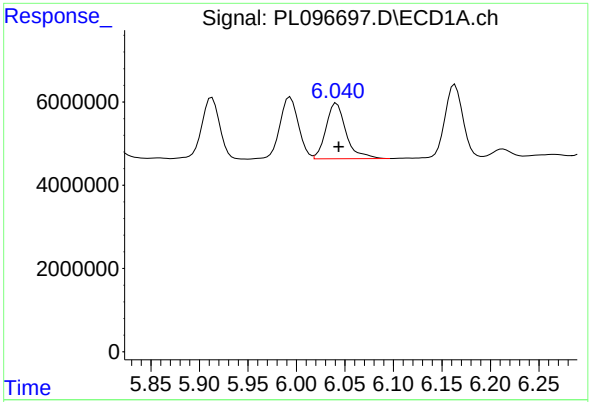
#8 Heptachlor epoxide

R.T.: 5.659 min
Delta R.T.: -0.003 min
Response: 25489822
Conc: 6.61 ng/ml



#8 Heptachlor epoxide

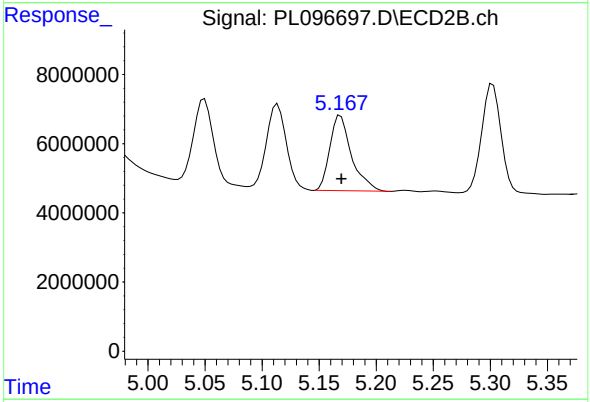
R.T.: 4.797 min
Delta R.T.: -0.001 min
Response: 28825541
Conc: 5.05 ng/ml



#9 Endosulfan I

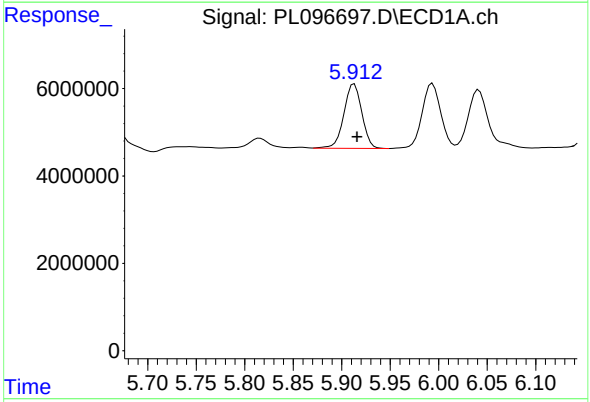
R.T.: 6.041 min
Delta R.T.: -0.002 min
Response: 19206339
Conc: 5.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



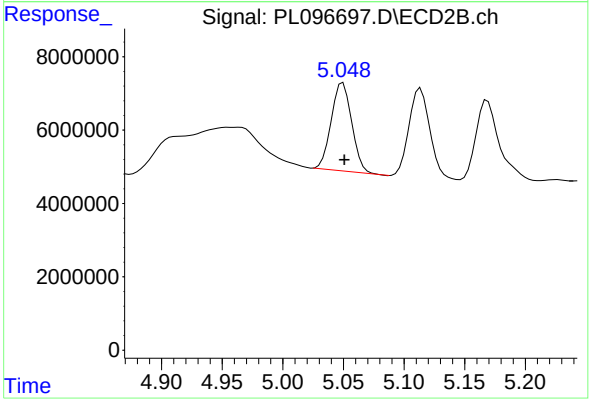
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 28857954
Conc: 5.22 ng/ml



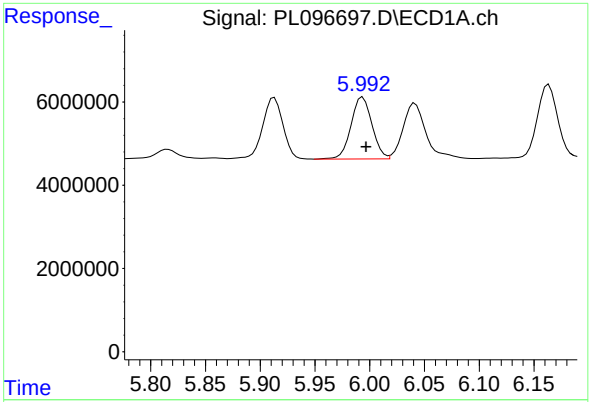
#10 gamma-Chlordane

R.T.: 5.913 min
Delta R.T.: -0.003 min
Response: 19024960
Conc: 5.00 ng/ml



#10 gamma-Chlordane

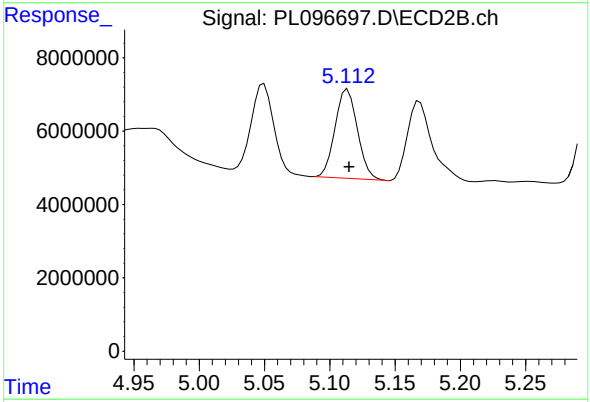
R.T.: 5.050 min
Delta R.T.: -0.001 min
Response: 28395989
Conc: 4.83 ng/ml



#11 alpha-Chlordane

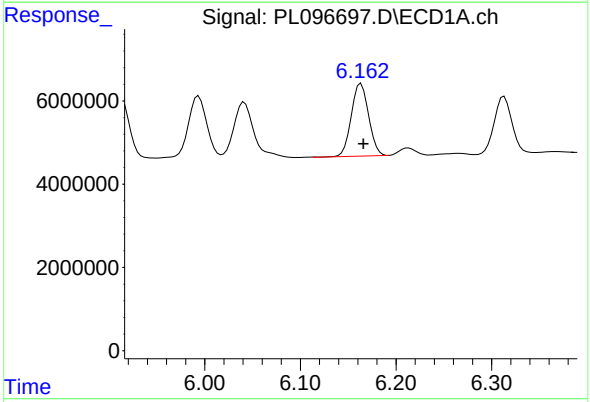
R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 19823040
Conc: 5.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



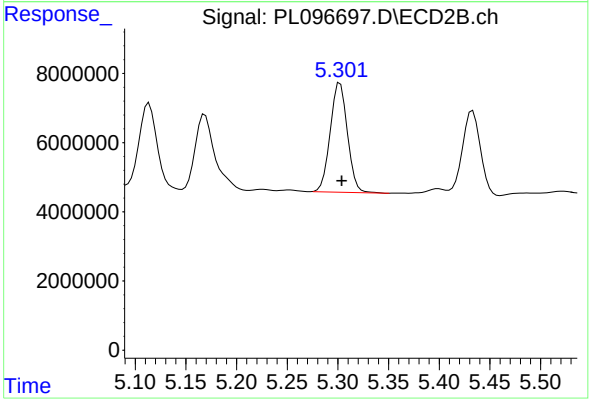
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.001 min
Response: 29051737
Conc: 4.92 ng/ml



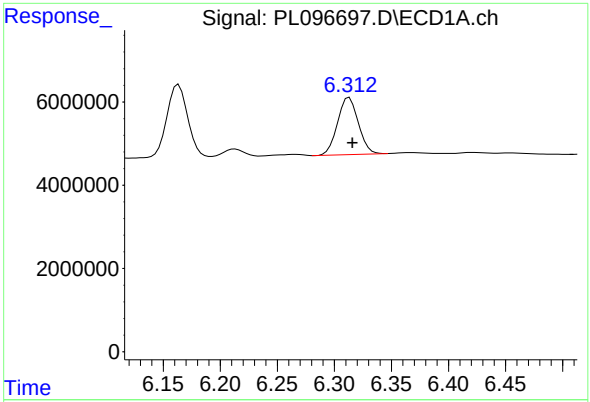
#12 4,4'-DDE

R.T.: 6.163 min
Delta R.T.: -0.003 min
Response: 21935783
Conc: 6.83 ng/ml



#12 4,4'-DDE

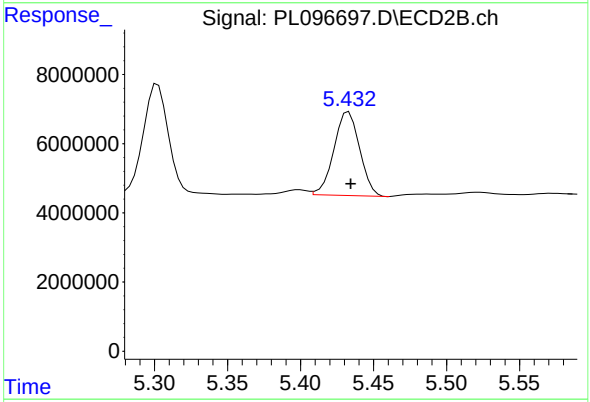
R.T.: 5.302 min
Delta R.T.: -0.001 min
Response: 37411834
Conc: 6.78 ng/ml



#13 Dieldrin

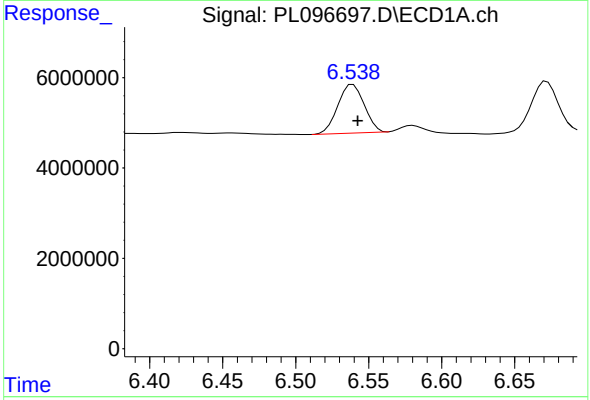
R.T.: 6.313 min
Delta R.T.: -0.003 min
Response: 17393142
Conc: 4.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



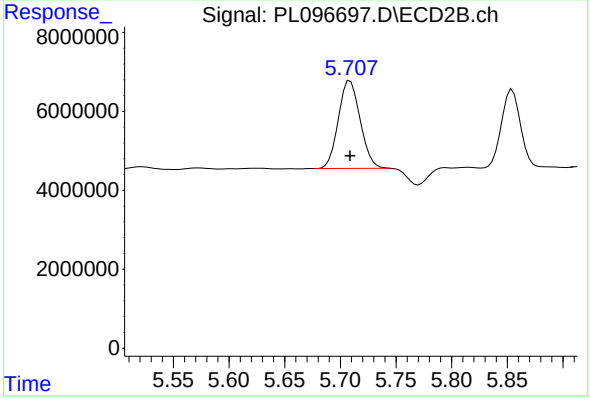
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.001 min
Response: 29700959
Conc: 5.03 ng/ml



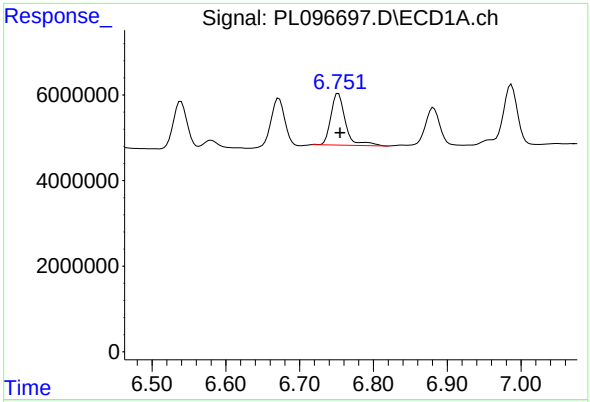
#14 Endrin

R.T.: 6.539 min
Delta R.T.: -0.003 min
Response: 13566585
Conc: 4.48 ng/ml



#14 Endrin

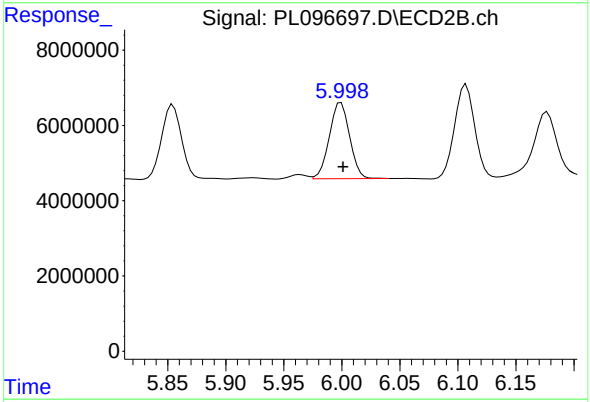
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 30312515
Conc: 5.61 ng/ml



#15 Endosulfan II

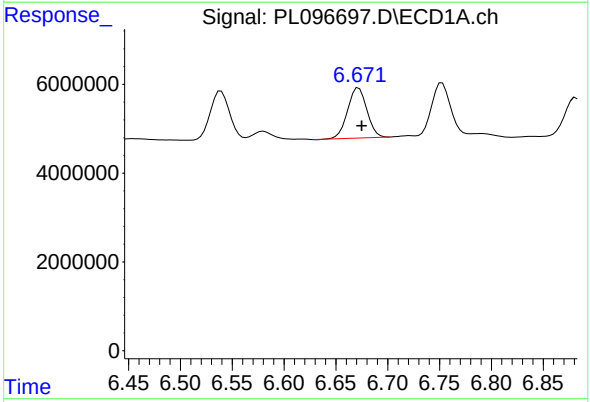
R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 16546696
Conc: 5.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



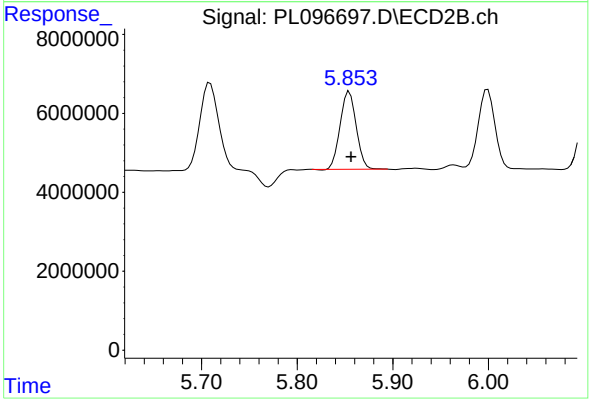
#15 Endosulfan II

R.T.: 5.999 min
Delta R.T.: -0.002 min
Response: 24679735
Conc: 4.81 ng/ml



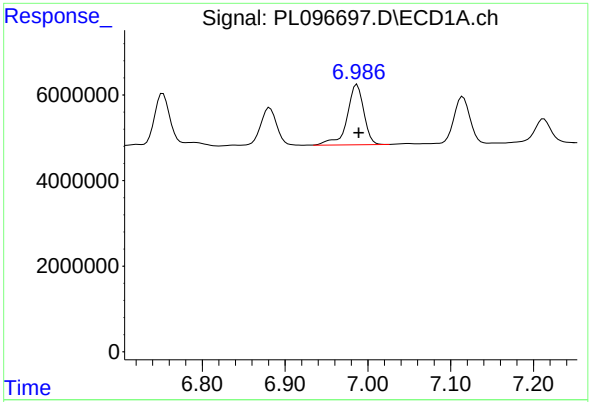
#16 4,4'-DDD

R.T.: 6.672 min
Delta R.T.: -0.003 min
Response: 14622725
Conc: 5.78 ng/ml



#16 4,4'-DDD

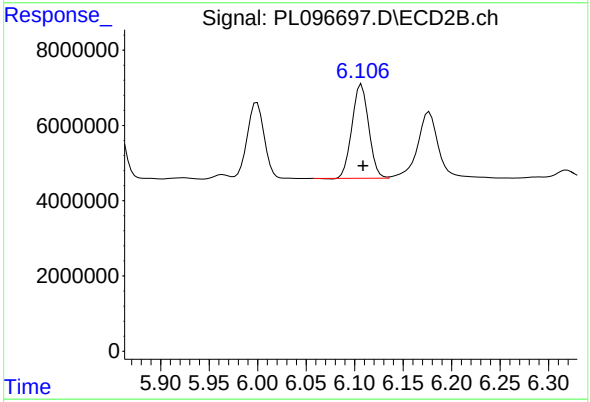
R.T.: 5.854 min
Delta R.T.: -0.002 min
Response: 23159489
Conc: 4.92 ng/ml



#17 4,4'-DDT

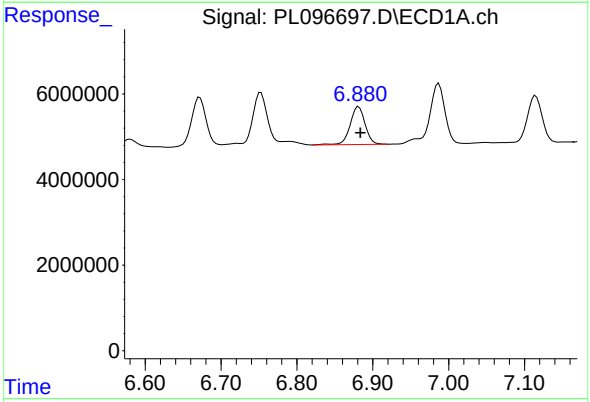
R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 19724770
Conc: 6.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



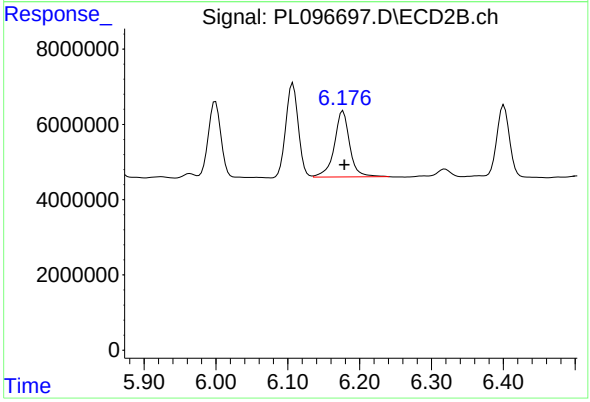
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 29947860
Conc: 5.92 ng/ml



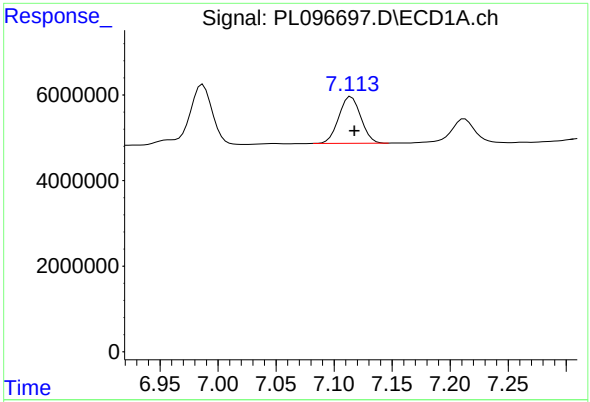
#18 Endrin aldehyde

R.T.: 6.882 min
Delta R.T.: -0.002 min
Response: 12123149
Conc: 5.65 ng/ml



#18 Endrin aldehyde

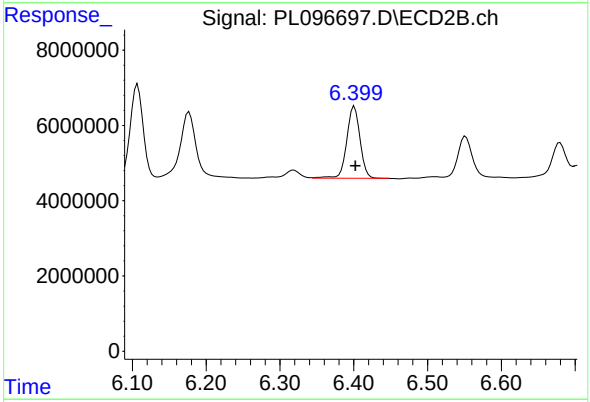
R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 25990117
Conc: 3.96 ng/ml



#19 Endosulfan Sulfate

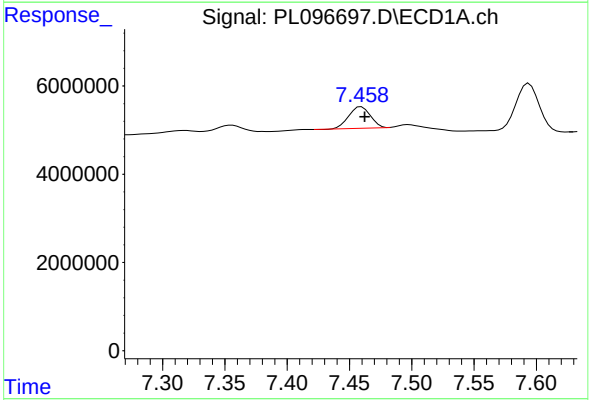
R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 14369153
Conc: 5.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



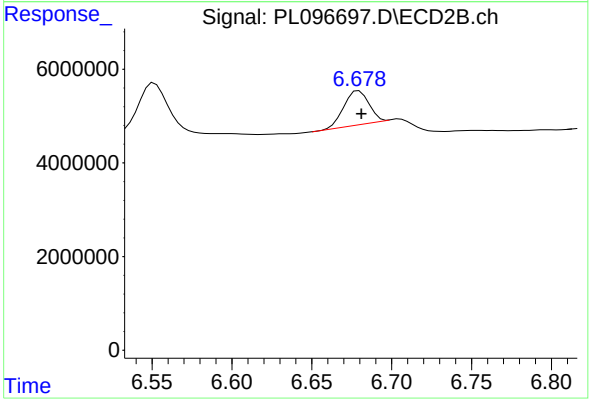
#19 Endosulfan Sulfate

R.T.: 6.401 min
Delta R.T.: -0.001 min
Response: 23969428
Conc: 4.71 ng/ml



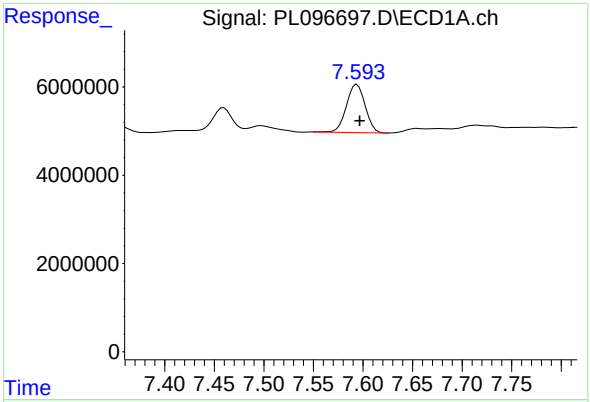
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.003 min
Response: 5913828
Conc: 4.03 ng/ml



#20 Methoxychlor

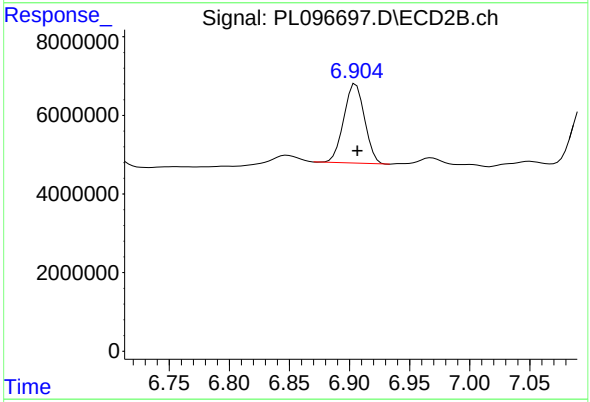
R.T.: 6.680 min
Delta R.T.: -0.001 min
Response: 7943839
Conc: 2.90 ng/ml



#21 Endrin ketone

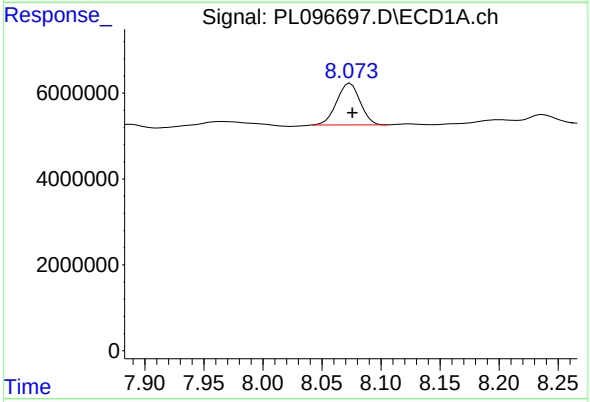
R.T.: 7.594 min
Delta R.T.: -0.003 min
Response: 14378949
Conc: 4.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



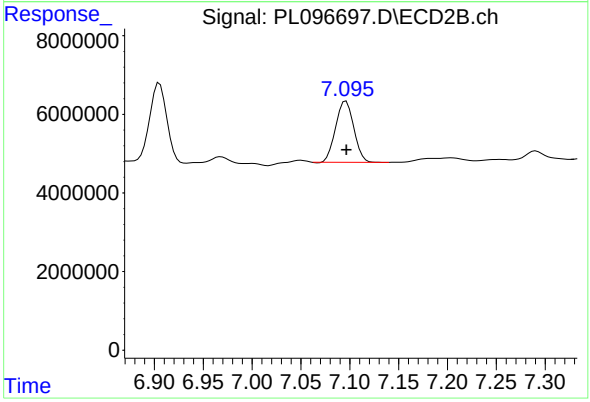
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 24310689
Conc: 4.36 ng/ml



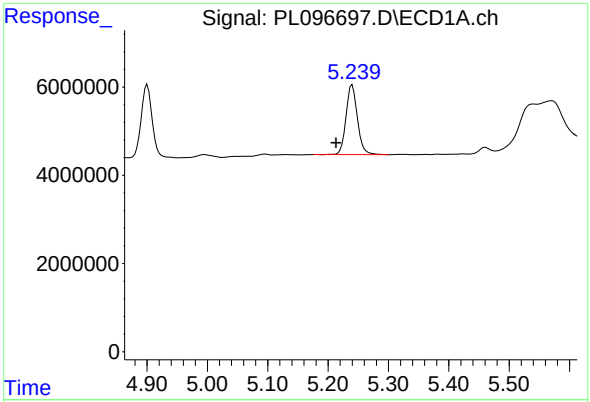
#22 Mirex

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 13459707
Conc: 5.43 ng/ml



#22 Mirex

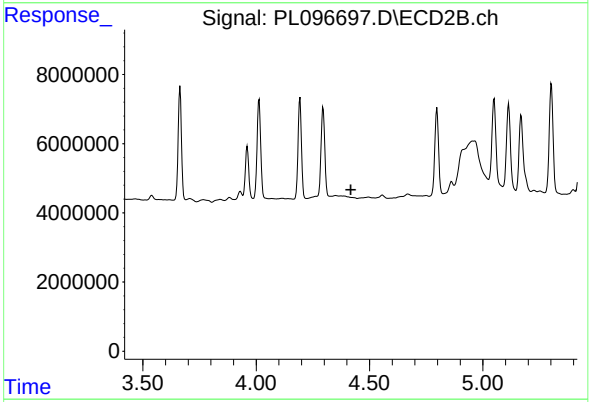
R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 20157034
Conc: 4.62 ng/ml



#24 Chlordane-2

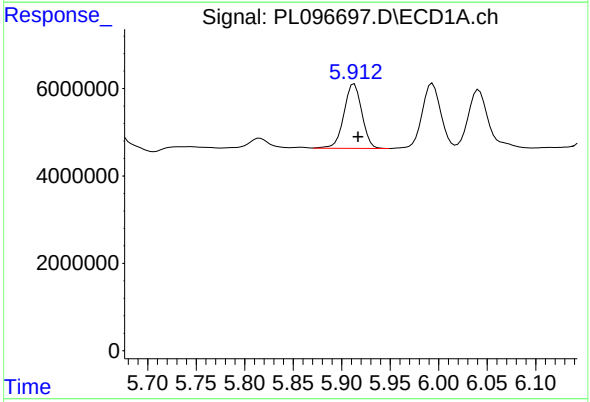
R.T.: 5.240 min
Delta R.T.: 0.027 min
Response: 20782091
Conc: 118.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



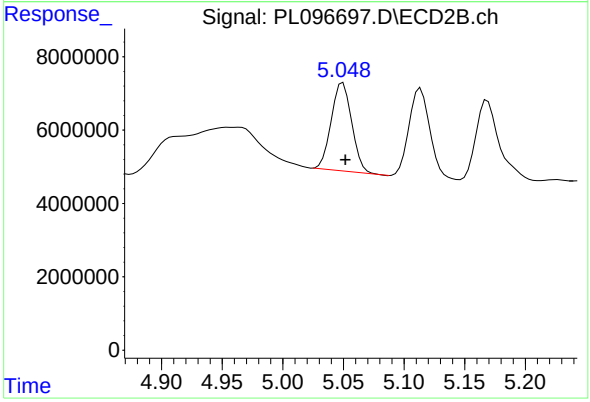
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



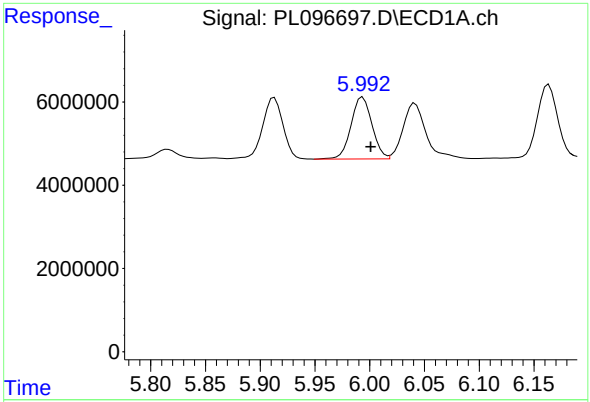
#25 Chlordane-3

R.T.: 5.913 min
Delta R.T.: -0.004 min
Response: 19024960
Conc: 28.48 ng/ml



#25 Chlordane-3

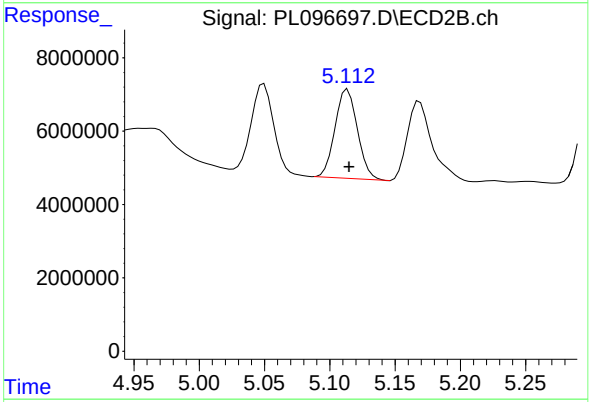
R.T.: 5.050 min
Delta R.T.: -0.002 min
Response: 28395989
Conc: 40.84 ng/ml



#26 Chlordane-4

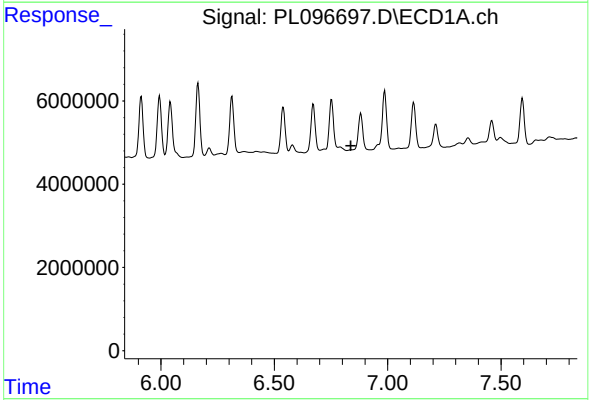
R.T.: 5.994 min
Delta R.T.: -0.008 min
Response: 19823040
Conc: 23.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



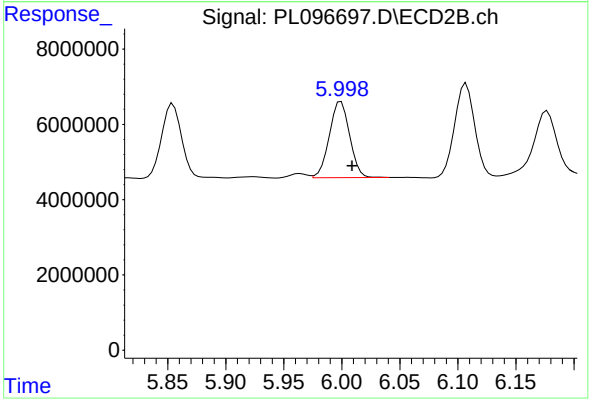
#26 Chlordane-4

R.T.: 5.114 min
Delta R.T.: -0.001 min
Response: 29051737
Conc: 46.68 ng/ml



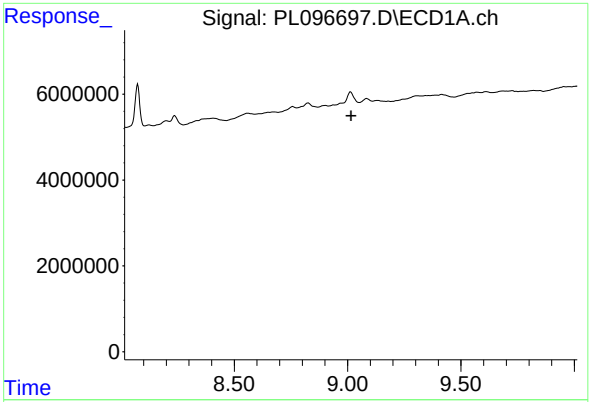
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

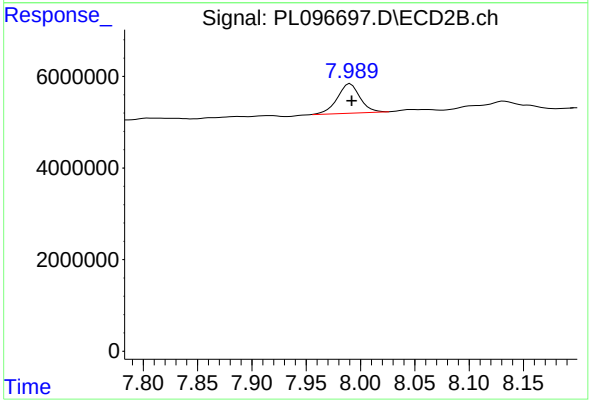
R.T.: 5.999 min
Delta R.T.: -0.009 min
Response: 24679735
Conc: 96.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 9.016 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
VNJ-253MSD



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.001 min
Response: 9316561
Conc: 2.15 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096699.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 15:03
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.828	177.0E6	267.5E6	55.660	55.988
28)	SA Decachlor...	9.011	7.991	133.0E6	210.0E6	55.779	48.410
	Target Compounds						
2)	A alpha-BHC	3.982	3.333	258.6E6	401.4E6	55.893	56.719
3)	MA gamma-BHC...	4.309	3.665	243.9E6	370.6E6	55.140	56.127
4)	MA Heptachlor	4.901	4.013	222.5E6	353.7E6	53.546	53.088
5)	MB Aldrin	5.241	4.296	229.9E6	346.1E6	53.445	55.752
6)	B beta-BHC	4.496	3.961	101.6E6	157.5E6	56.314	55.850
7)	B delta-BHC	0.000	4.194	0	362.7E6	N.D.	56.031 #
8)	B Heptachlo...	5.660	4.798	211.2E6	312.1E6	54.761	54.646
9)	A Endosulfan I	6.042	5.169	191.2E6	286.2E6	53.163	51.748
10)	B gamma-Chl...	5.914	5.050	210.4E6	322.3E6	55.304	54.817
11)	B alpha-Chl...	5.994	5.114	207.6E6	313.1E6	53.861	53.076
12)	B 4,4'-DDE	6.164	5.303	176.2E6	296.7E6	54.860	53.800
13)	MA Dieldrin	6.314	5.434	198.4E6	318.1E6	53.463	53.848
14)	MA Endrin	6.540	5.708	147.1E6	266.4E6	48.592	49.272
15)	B Endosulfa...	6.753	6.000	167.9E6	267.8E6	52.422	52.135
16)	A 4,4'-DDD	6.673	5.855	145.2E6	254.0E6	57.443	53.979
17)	MA 4,4'-DDT	6.987	6.108	133.0E6	226.9E6	46.362	44.854
18)	B Endrin al...	6.882	6.178	114.5E6	191.5E6	53.347	51.681
19)	B Endosulfa...	7.115	6.402	150.6E6	262.4E6	52.411	51.587
20)	A Methoxychlor	7.460	6.680	65530172	119.7E6	44.628	43.679
21)	B Endrin ke...	7.595	6.905	162.6E6	285.9E6	54.078	51.335
22)	Mirex	8.074	7.096	127.5E6	212.1E6	51.409	48.632
24)	Chlordane-2	5.241f	0.000	229.9E6	0	1313.483	N.D. #
25)	Chlordane-3	5.914	5.050	210.4E6	322.3E6	315.069	463.585 #
26)	Chlordane-4	5.994	5.114	207.6E6	313.1E6	250.832	503.091 #
27)	Chlordane-5	0.000	6.000	0	267.8E6	N.D.	1049.640 #

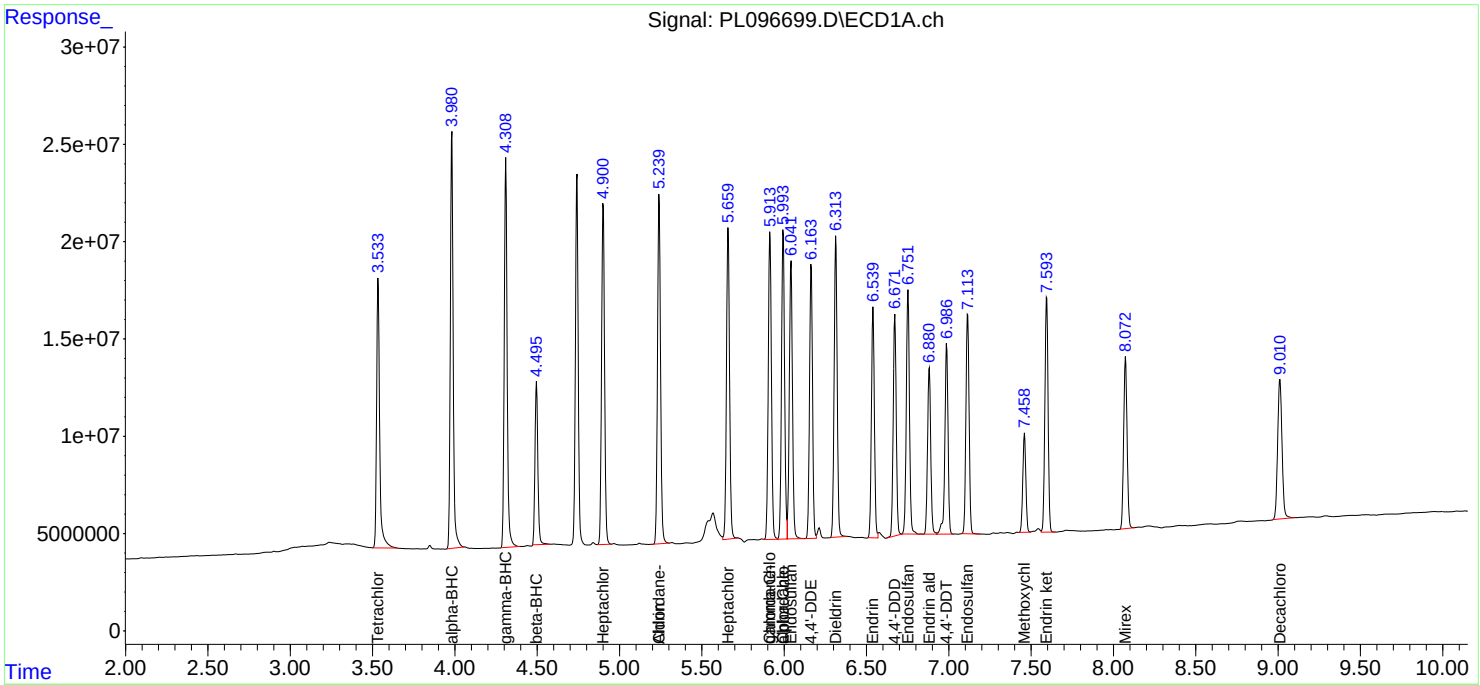
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

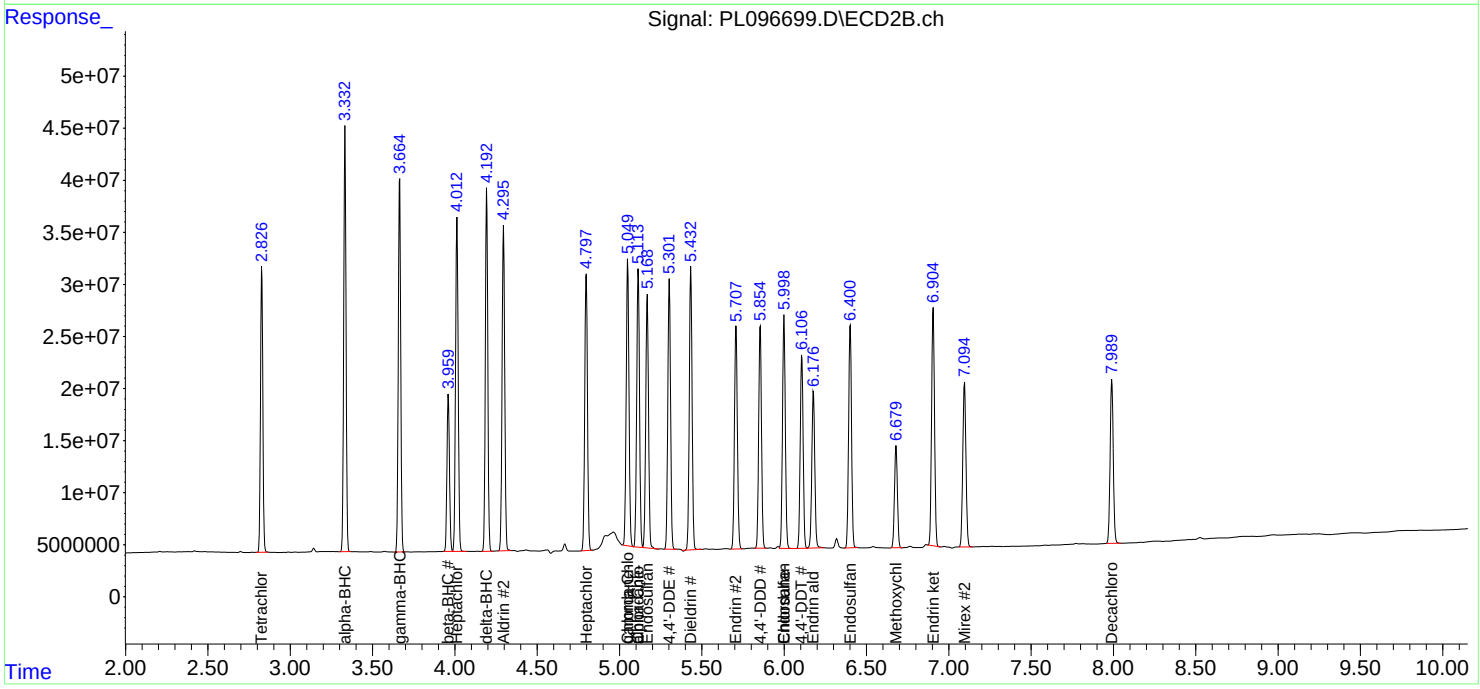
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
Data File : PL096699.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 15:03
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

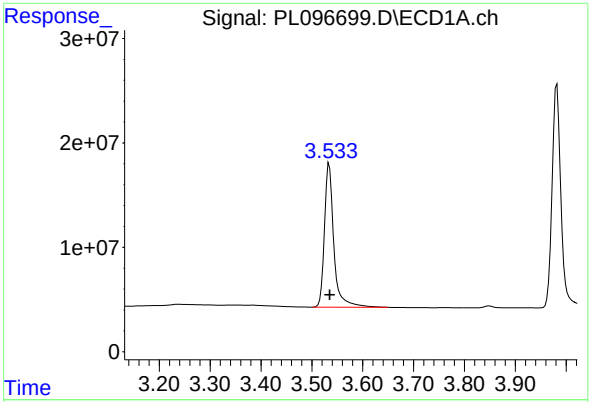
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



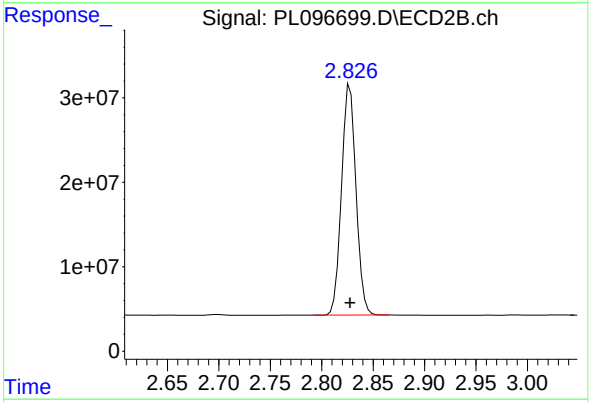




#1 Tetrachloro-m-xylene

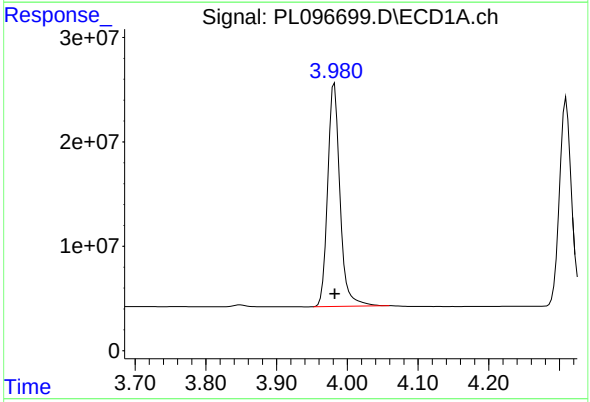
R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 177043322
Conc: 55.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



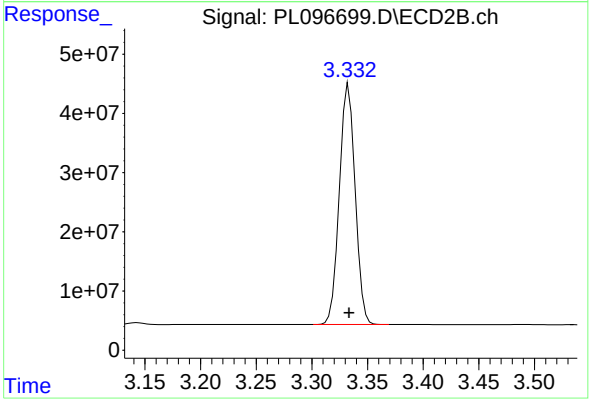
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 267496756
Conc: 55.99 ng/ml



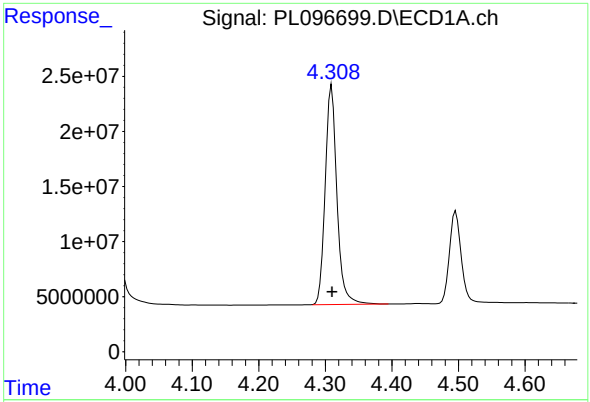
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: 0.000 min
Response: 258578941
Conc: 55.89 ng/ml



#2 alpha-BHC

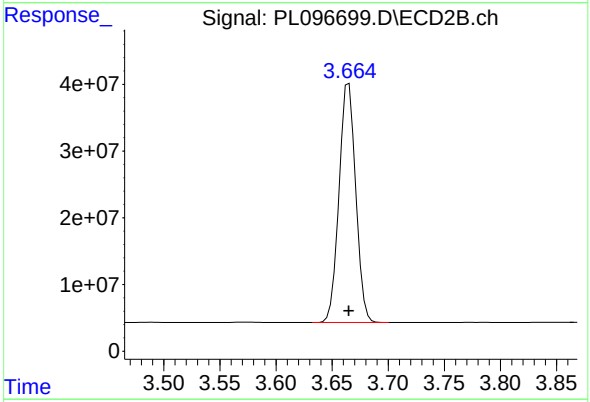
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 401403942
Conc: 56.72 ng/ml



#3 gamma-BHC (Lindane)

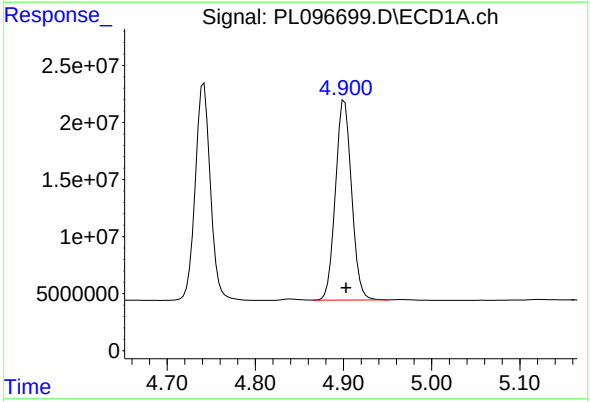
R.T.: 4.309 min
Delta R.T.: 0.000 min
Response: 243908936
Conc: 55.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



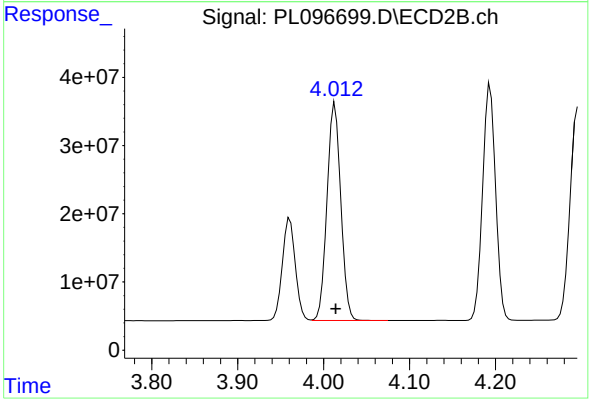
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 370625594
Conc: 56.13 ng/ml



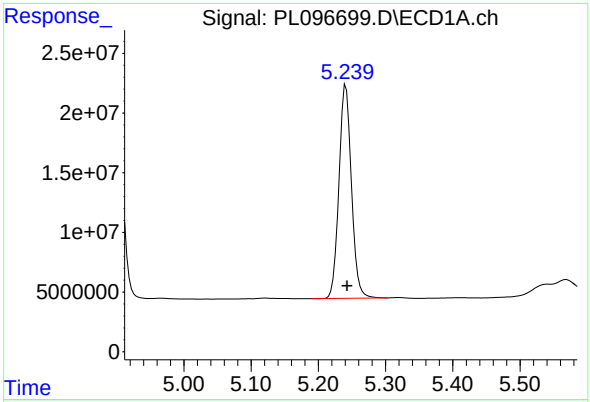
#4 Heptachlor

R.T.: 4.901 min
Delta R.T.: -0.002 min
Response: 222520290
Conc: 53.55 ng/ml



#4 Heptachlor

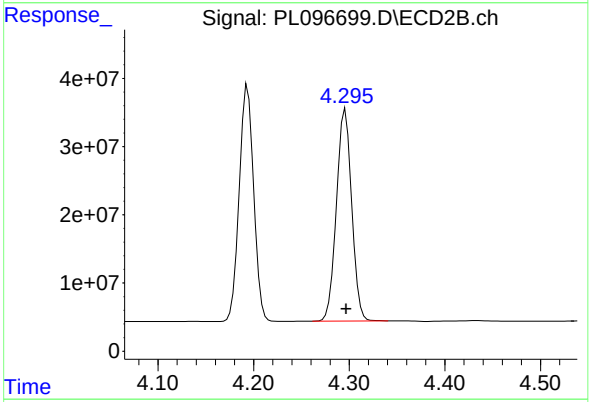
R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 353667828
Conc: 53.09 ng/ml



#5 Aldrin

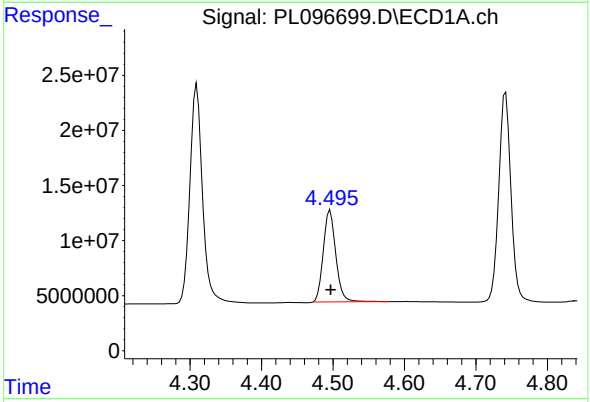
R.T.: 5.241 min
Delta R.T.: -0.002 min
Response: 229868554
Conc: 53.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



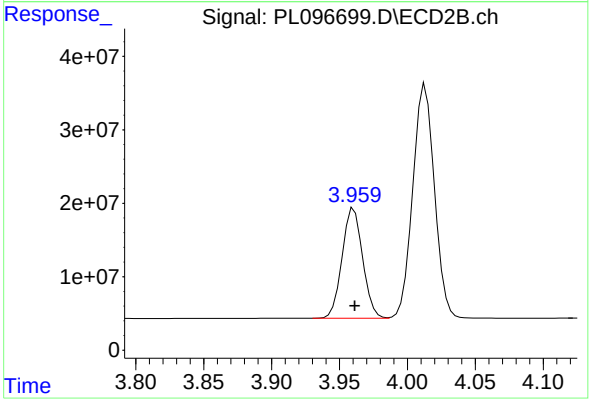
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: 0.000 min
Response: 346055593
Conc: 55.75 ng/ml



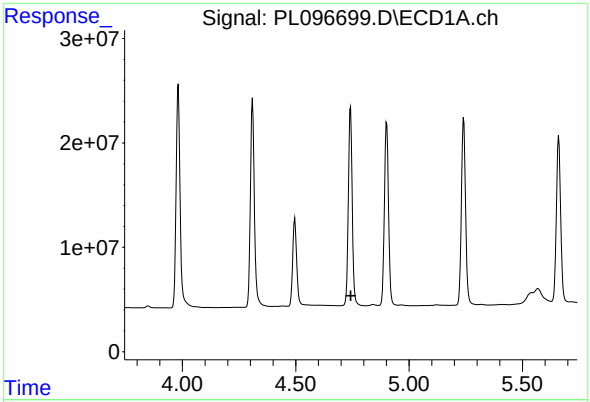
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 101645411
Conc: 56.31 ng/ml



#6 beta-BHC

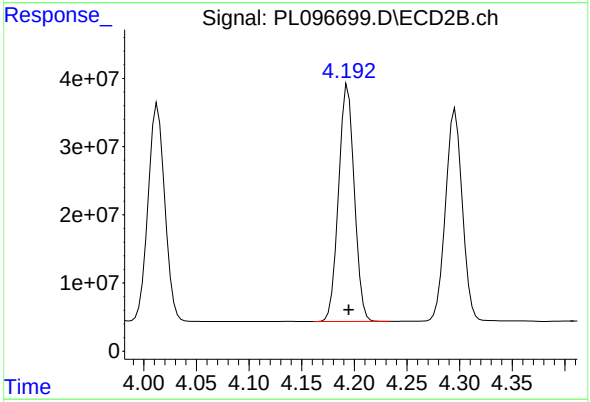
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 157547296
Conc: 55.85 ng/ml



#7 delta-BHC

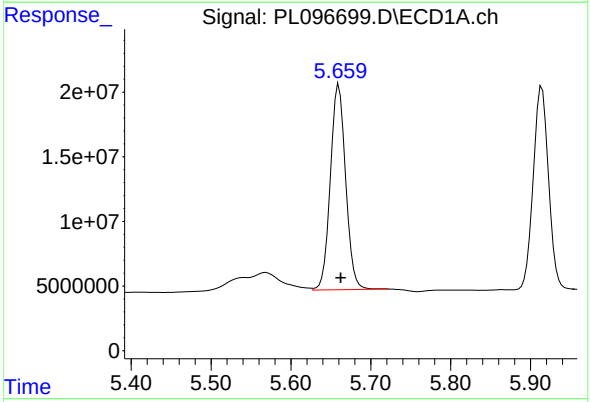
R.T.: 0.000 min
Exp R.T. : 4.743 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



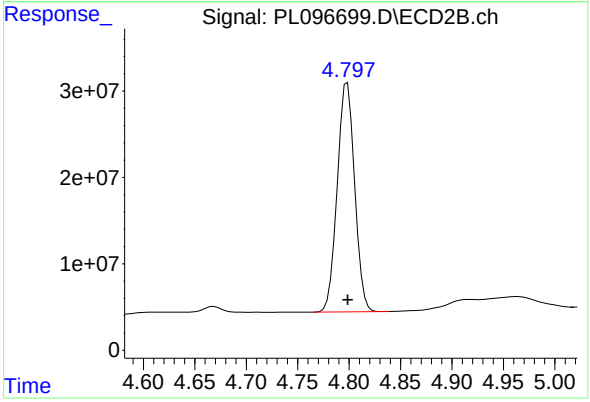
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: 0.000 min
Response: 362722136
Conc: 56.03 ng/ml



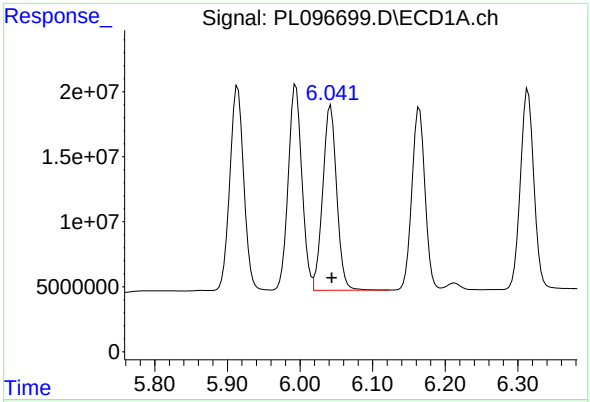
#8 Heptachlor epoxide

R.T.: 5.660 min
Delta R.T.: -0.002 min
Response: 211189699
Conc: 54.76 ng/ml



#8 Heptachlor epoxide

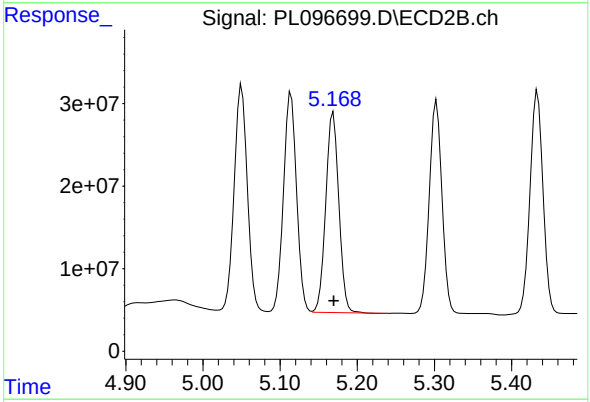
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 312100783
Conc: 54.65 ng/ml



#9 Endosulfan I

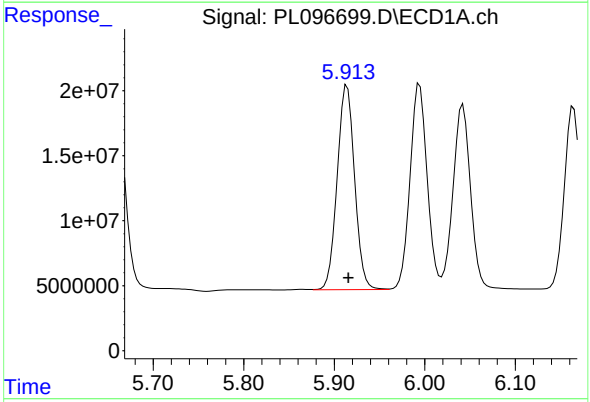
R.T.: 6.042 min
Delta R.T.: -0.001 min
Response: 191192610
Conc: 53.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



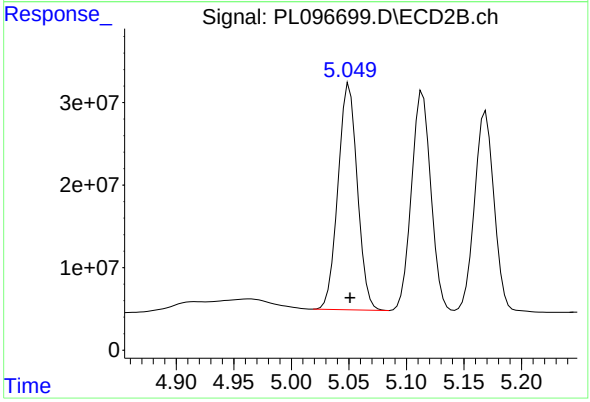
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 286237471
Conc: 51.75 ng/ml



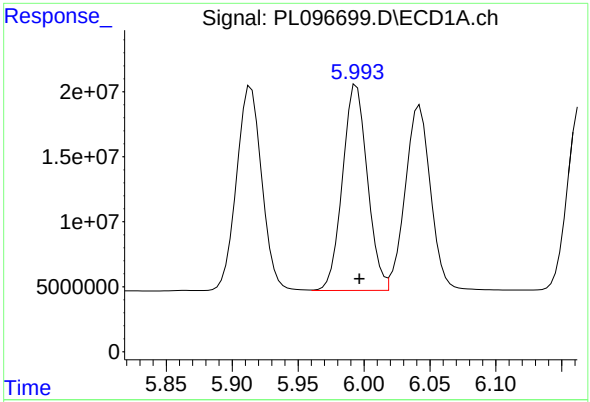
#10 gamma-Chlordane

R.T.: 5.914 min
Delta R.T.: -0.002 min
Response: 210446499
Conc: 55.30 ng/ml



#10 gamma-Chlordane

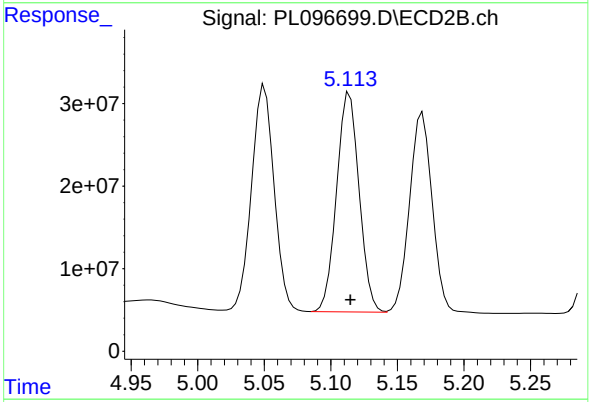
R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 322332033
Conc: 54.82 ng/ml



#11 alpha-Chlordane

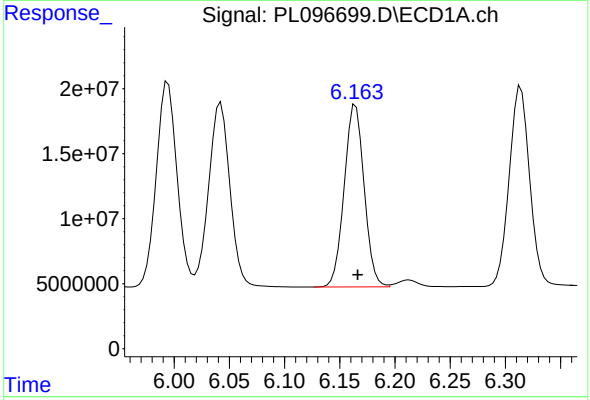
R.T.: 5.994 min
Delta R.T.: -0.002 min
Response: 207613294
Conc: 53.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



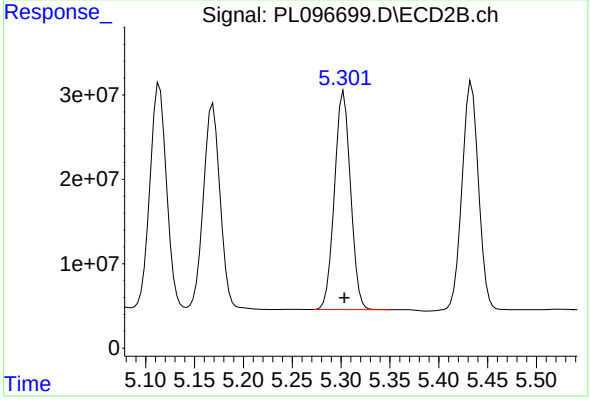
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 313089399
Conc: 53.08 ng/ml



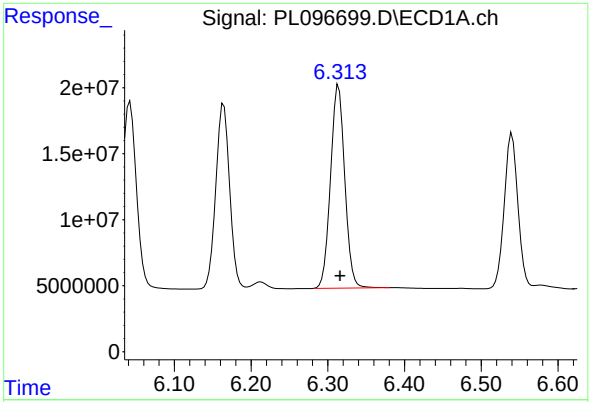
#12 4,4'-DDE

R.T.: 6.164 min
Delta R.T.: -0.002 min
Response: 176167635
Conc: 54.86 ng/ml



#12 4,4'-DDE

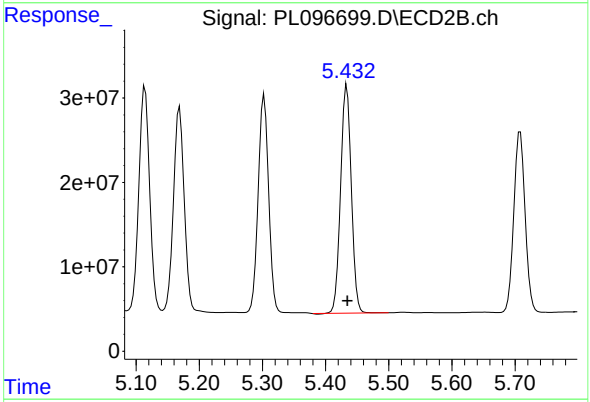
R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 296674457
Conc: 53.80 ng/ml



#13 Dieldrin

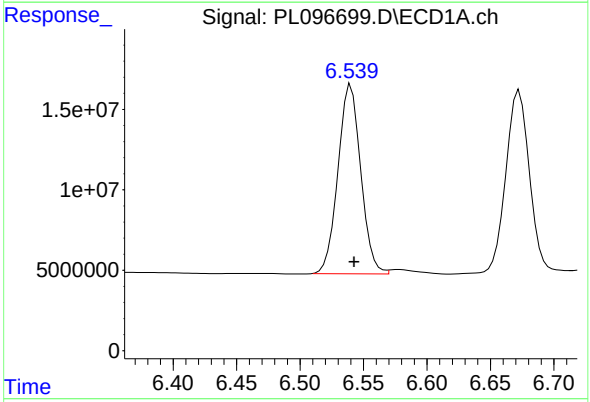
R.T.: 6.314 min
Delta R.T.: -0.002 min
Response: 198408521
Conc: 53.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



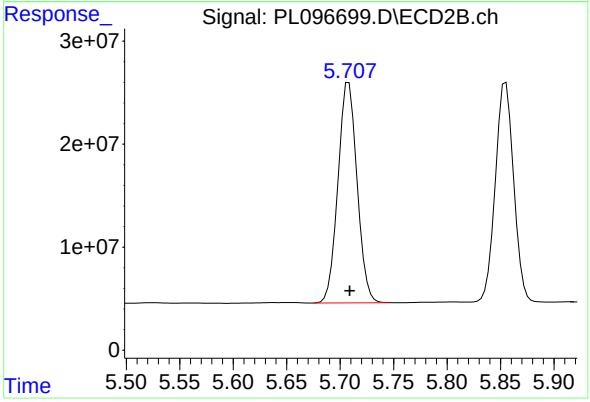
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 318056564
Conc: 53.85 ng/ml



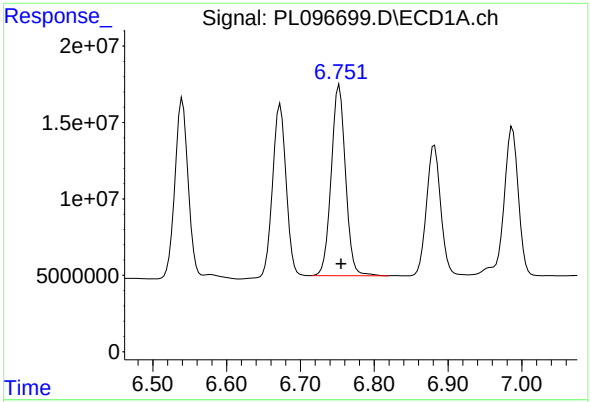
#14 Endrin

R.T.: 6.540 min
Delta R.T.: -0.002 min
Response: 147078394
Conc: 48.59 ng/ml



#14 Endrin

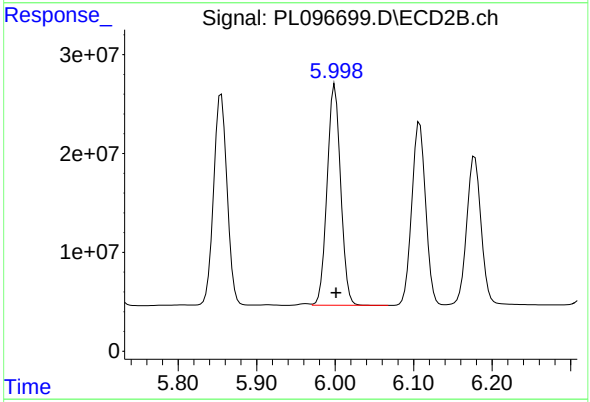
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 266362853
Conc: 49.27 ng/ml



#15 Endosulfan II

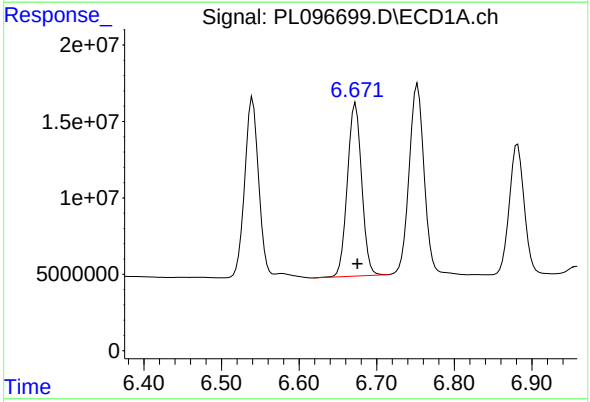
R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 167890054
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



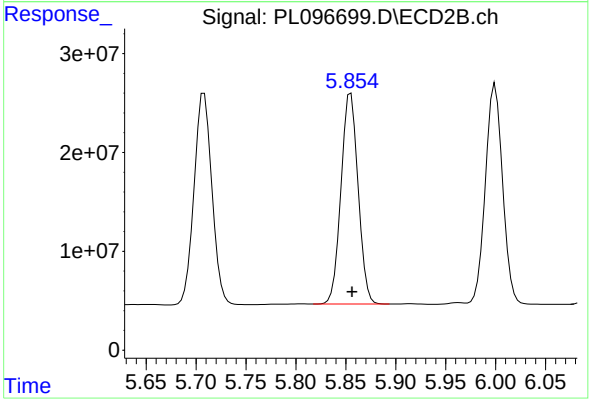
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.001 min
Response: 267775836
Conc: 52.13 ng/ml



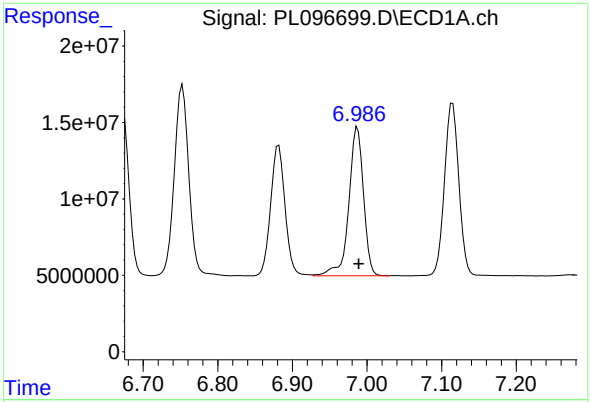
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 145237915
Conc: 57.44 ng/ml



#16 4,4'-DDD

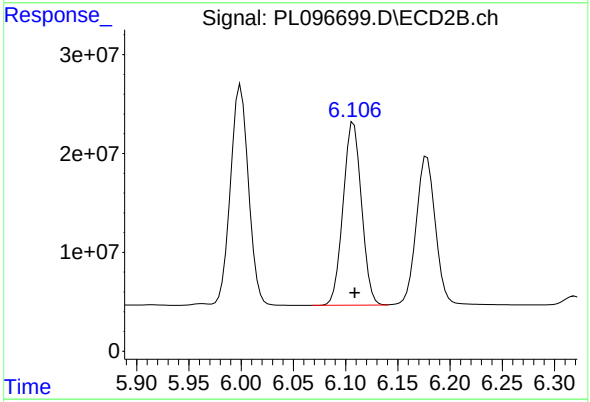
R.T.: 5.855 min
Delta R.T.: -0.001 min
Response: 253986662
Conc: 53.98 ng/ml



#17 4,4'-DDT

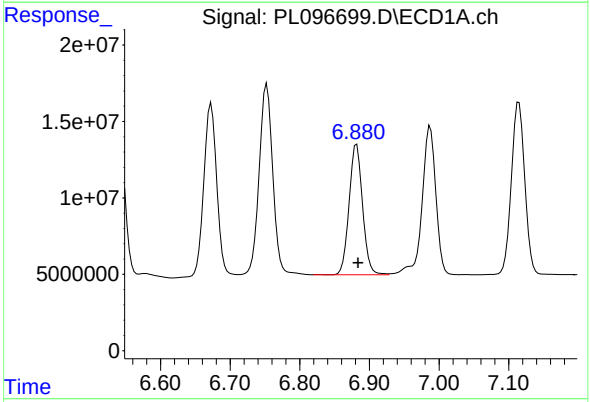
R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 132950614
Conc: 46.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



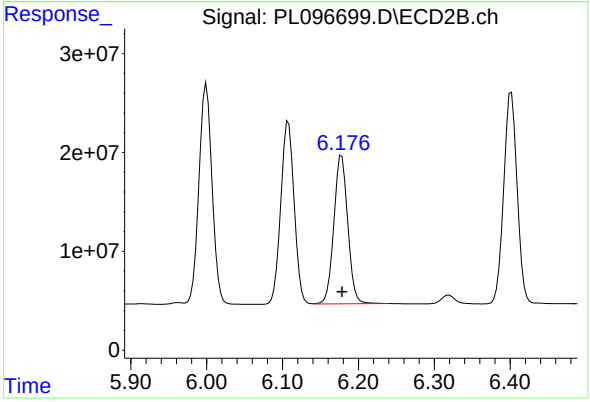
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.001 min
Response: 226883011
Conc: 44.85 ng/ml



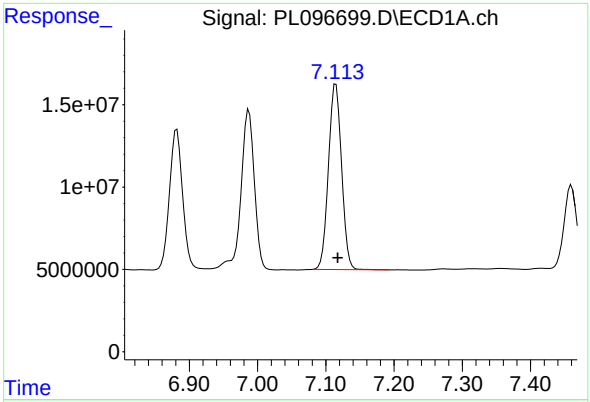
#18 Endrin aldehyde

R.T.: 6.882 min
Delta R.T.: -0.002 min
Response: 114477799
Conc: 53.35 ng/ml



#18 Endrin aldehyde

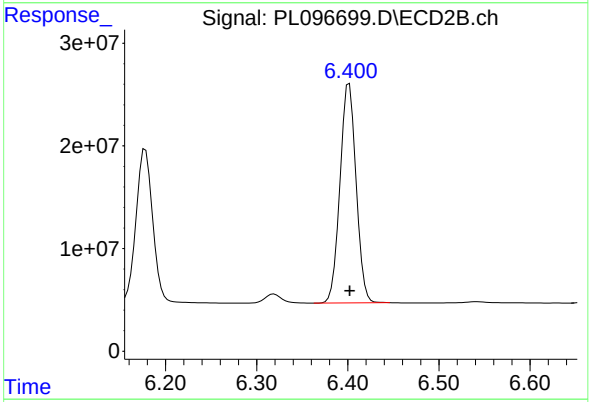
R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 191511387
Conc: 51.68 ng/ml



#19 Endosulfan Sulfate

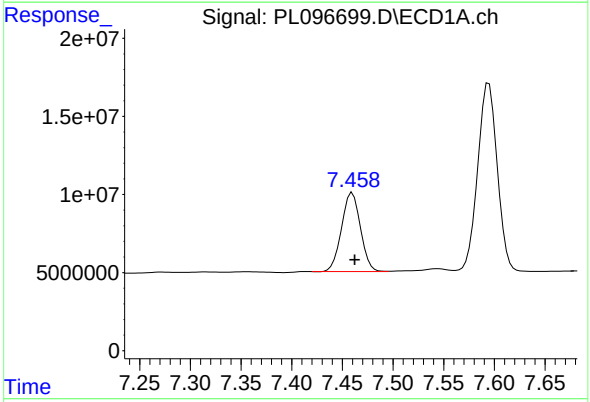
R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 150611778
Conc: 52.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



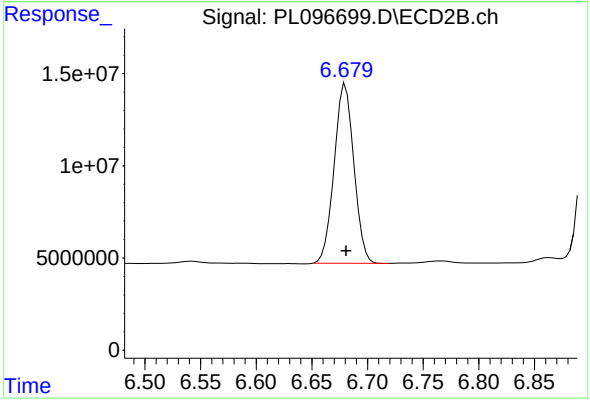
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 262384052
Conc: 51.59 ng/ml



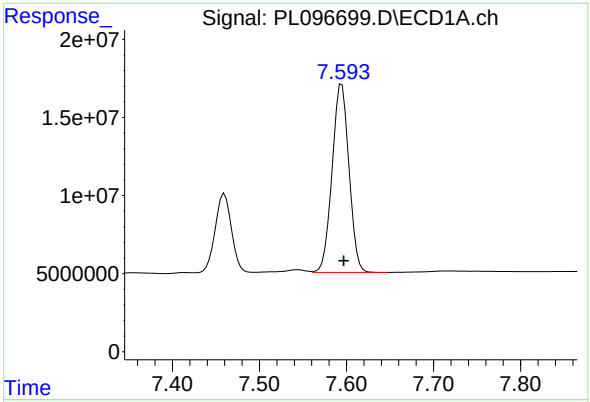
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 65530172
Conc: 44.63 ng/ml



#20 Methoxychlor

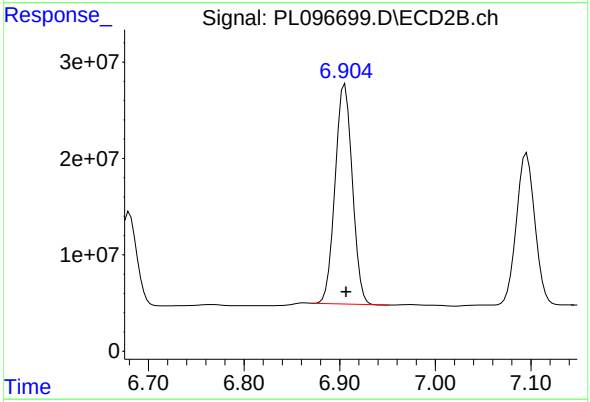
R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 119701858
Conc: 43.68 ng/ml



#21 Endrin ketone

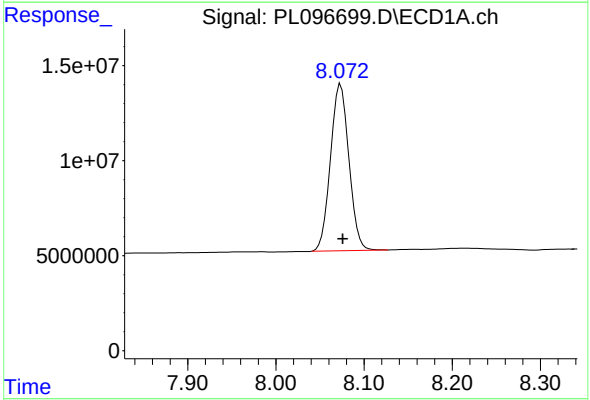
R.T.: 7.595 min
Delta R.T.: -0.002 min
Response: 162598588
Conc: 54.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



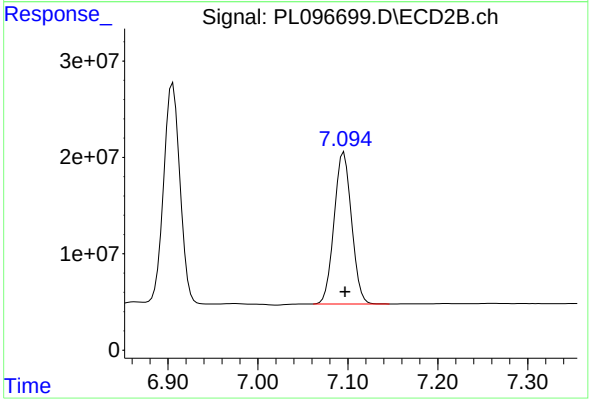
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 285921587
Conc: 51.33 ng/ml



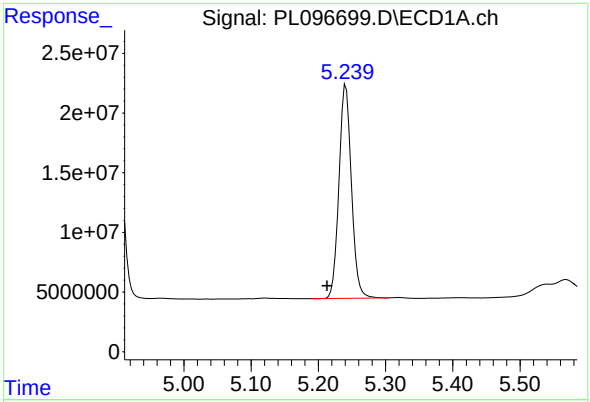
#22 Mirex

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 127461125
Conc: 51.41 ng/ml



#22 Mirex

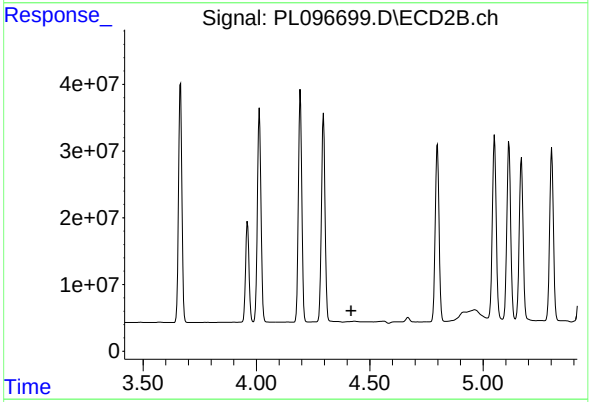
R.T.: 7.096 min
Delta R.T.: -0.001 min
Response: 212079094
Conc: 48.63 ng/ml



#24 Chlordane-2

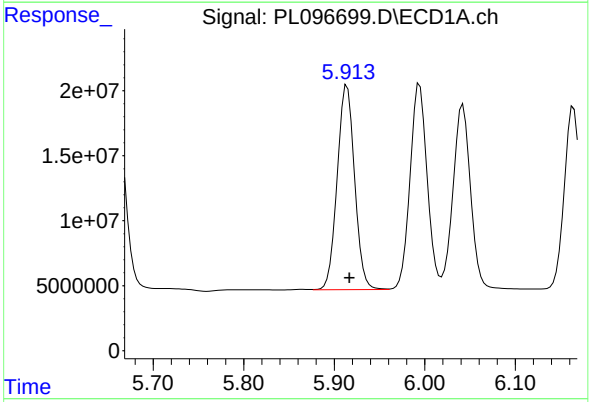
R.T.: 5.241 min
Delta R.T.: 0.028 min
Response: 229868554
Conc: 1313.48 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



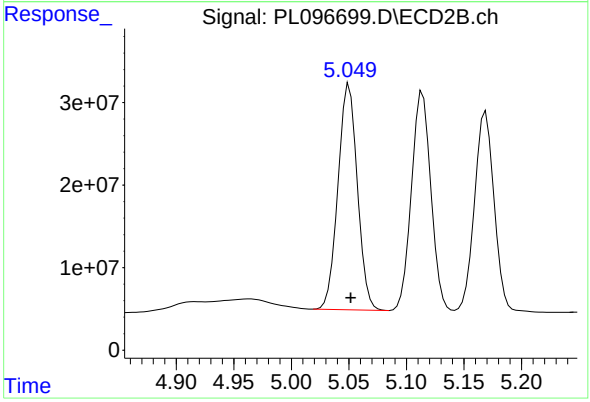
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



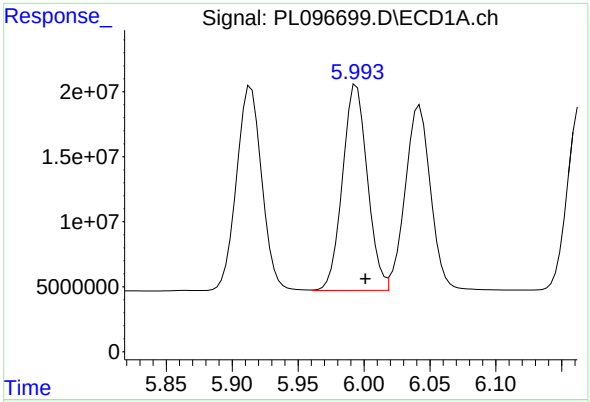
#25 Chlordane-3

R.T.: 5.914 min
Delta R.T.: -0.002 min
Response: 210446499
Conc: 315.07 ng/ml



#25 Chlordane-3

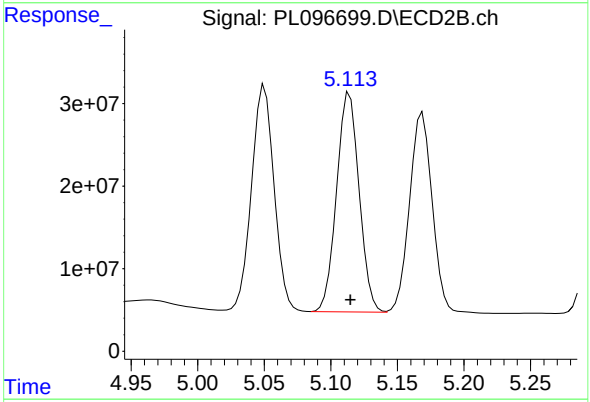
R.T.: 5.050 min
Delta R.T.: -0.001 min
Response: 322332033
Conc: 463.59 ng/ml



#26 Chlordane-4

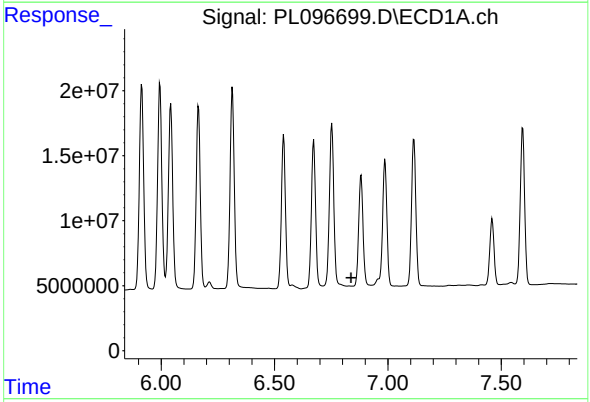
R.T.: 5.994 min
Delta R.T.: -0.007 min
Response: 207613294
Conc: 250.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



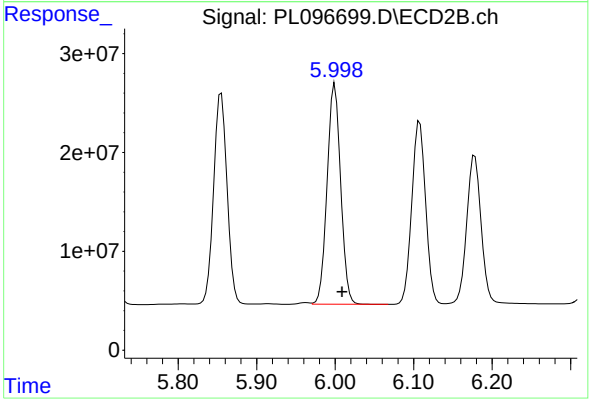
#26 Chlordane-4

R.T.: 5.114 min
Delta R.T.: 0.000 min
Response: 313089399
Conc: 503.09 ng/ml



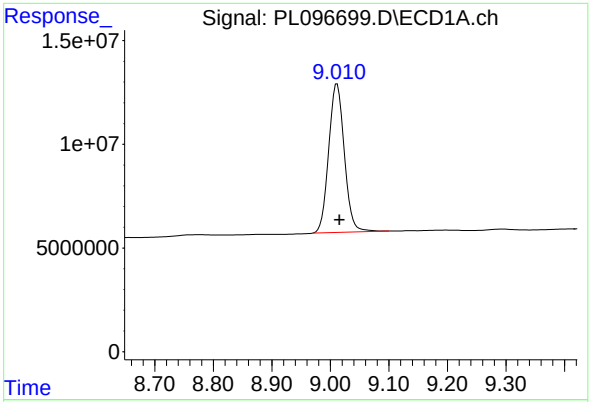
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

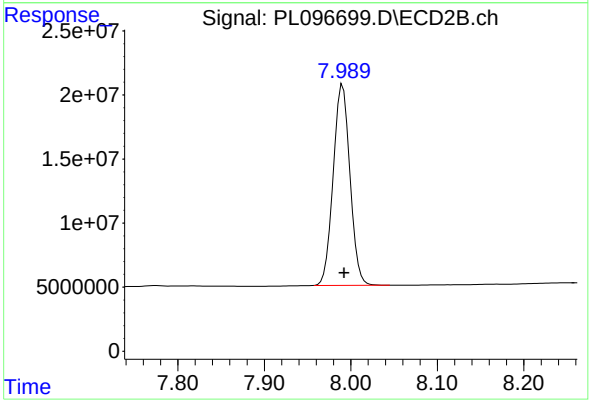
R.T.: 6.000 min
Delta R.T.: -0.009 min
Response: 267775836
Conc: 1049.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.011 min
Delta R.T.: -0.004 min
Response: 133014625
Conc: 55.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.001 min
Response: 210019624
Conc: 48.41 ng/ml