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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : USACE018-44 DOD

FIRST ENVIRONMENT, INC.

10 Park Place, Bldg 1A, Suite 504

Butler, NJ - 07405

Phone No: 973-334-0003

ORDER ID : Q2820

ATTENTION : Al Smith

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2820

Project ID : USACE018-44 DOD

Client : First Environment, Inc.

Lab Sample Number	Client Sample Number
Q2820-01	82H-S
Q2820-02	82H-W
Q2820-03	82H-N
Q2820-04	SOIL-DUP-1
Q2820-05	518R-E
Q2820-06	518R-N
Q2820-07	518R-S
Q2820-08	518R-W
Q2820-09	705R-S
Q2820-10	SOIL-DUP-2
Q2820-11	10PC-W
Q2820-12	10PC-S
Q2820-13	10P-W
Q2820-14	10P-E
Q2820-15	10P-S
Q2820-16	10P-N
Q2820-17	88H-E
Q2820-18	88H-N
Q2820-19	88H-W
Q2820-20	88H-S
Q2820-21	22M-N
Q2820-22	22M-W
Q2820-23	22M-E
Q2820-24	22M-S

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

Signature : _____

Date: 8/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

First Environment, Inc.
Project Name: USACE018-44 DOD
Project # N/A
Order ID # Q2820
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
24 Solid samples were received on 08/08/2025.
B. Parameters
According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. This data package contains results for Pesticide-TCL.

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

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

The Surrogate recoveries were met for all analysis except for 705R-S [Decachlorobiphenyl(1)35%, Decachlorobiphenyl(2)43%], 705R-SRE [Decachlorobiphenyl(1)35% and Decachlorobiphenyl(2)43%], All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were met for all analysis.

The MS recoveries for {Q2819-14MS} with File ID: PD089894.D met requirements for all samples except for [alpha-Chlordane(1)-31% - alpha-Chlordane(2)-15%], [gamma-Chlordane(1)-5% - gamma-Chlordane(2)15%], [Heptachlor epoxide(1)137% - Heptachlor epoxide(2)161%], , [Endosulfan II(2)514%], and [Endrin(2)177%] Due to matrix interference.

The MSD {Q2819-14MSD} with File ID: PD089895.D recoveries met the acceptable requirements except for [alpha-Chlordane(1)-36% - alpha-Chlordane(2)-10%], [gamma-Chlordane(1)-15% - gamma-Chlordane(2)5%], [Heptachlor epoxide(1)148% - Heptachlor epoxide(2)160%],[Endosulfan II(2)520%], and [Endrin(2)176%] Due to matrix interference.

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The RPD for {Q2819-14MSD} with File ID: PD089895.D met criteria except for [Aldrin(1)50%], [gamma-Chlordane(1)100%], [Endosulfan I(2)39%] [Alpha-Chlordane(2)40%] , [Gamma-Chlordane(2)100%] and [4,4-DDD(2)42%]due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

E. Additional Comments:
The not QT review data is reported in the Miscellaneous.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This 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: Q2820 MATRIX: Solid

METHOD: 8081B/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis except for 705R-S [Decachlorobiphenyl(1)35%, Decachlorobiphenyl(2)43%], 705R-SRE [Decachlorobiphenyl(1)35% and Decachlorobiphenyl(2)43%], All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries for {Q2819-14MS} with File ID: PD089894.D met requirements for all samples except for [alpha-Chlordane(1)-31% - alpha-Chlordane(2)-15%], [gamma-Chlordane(1)-5% - gamma-Chlordane(2)15%], [Heptachlor epoxide(1)137% - Heptachlor epoxide(2)161%], , [Endosulfan II(2)514%], and [Endrin(2)177%] Due to matrix interference. The MSD {Q2819-14MSD} with File ID: PD089895.D recoveries met the acceptable requirements except for [alpha-Chlordane(1)-36% - alpha-Chlordane(2)-10%], [gamma-Chlordane(1)-15% - gamma-Chlordane(2)5%], [Heptachlor epoxide(1)148% - Heptachlor epoxide(2)160%],[Endosulfan II(2)520%], and [Endrin(2)176%] Due to matrix interference. The Blank Spike met requirements for all compounds. The RPD for {Q2819-14MSD} with File ID: PD089895.D met criteria except for [Aldrin(1)50%], [gamma-Chlordane(1)100%], [Endosulfan I(2)39%] [Alpha-Chlordane(2)40%] , [Gamma-Chlordane(2)100%] and [4,4-DDD(2)42%]due to difference in results 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:

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2820

	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:** 08/21/2025

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LAB CHRONICLE

OrderID:	Q2820	**OrderDate:**	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	**Project:**	USACE018-44 DOD
Contact:	Al Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-09	**705R-S**	**SOIL**			**08/07/25**			**08/08/25**
			PCB	8082A		08/12/25	08/13/25	
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-09RE	**705R-SRE**	**SOIL**			**08/07/25**			**08/08/25**
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2820-10	**SOIL-DUP-2**	**SOIL**			**08/07/25**			**08/08/25**
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-24	**22M-S**	**SOIL**			**08/08/25**			**08/08/25**
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2820 **Order ID:** Q2820

Client: First Environment, Inc. **Project ID:** USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 705R-S									
Q2820-09	705R-S	SOIL	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
Q2820-09	705R-S	SOIL	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
			Total Concentration:	**5.700**					
Client ID : 705R-SRE									
Q2820-09RE	705R-SRE	SOIL	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
Q2820-09RE	705R-SRE	SOIL	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
			Total Concentration:	**5.700**					
Client ID : SOIL-DUP-2									
Q2820-10	SOIL-DUP-2	SOIL	4,4-DDE	0.61	J	0.29	0.68	3.50	ug/kg
Q2820-10	SOIL-DUP-2	SOIL	4,4-DDD	1.50	J	0.31	0.68	3.50	ug/kg
			Total Concentration:	**2.110**					
Client ID : 22M-S									
Q2820-24	22M-S	SOIL	Heptachlor epoxide	1.10	JP	0.21	0.93	1.90	ug/kg
Q2820-24	22M-S	SOIL	alpha-Chlordane	3.00	P	0.13	0.37	1.90	ug/kg
Q2820-24	22M-S	SOIL	gamma-Chlordane	1.40	J	0.17	0.37	1.90	ug/kg
			Total Concentration:	**5.500**					

QC SUMMARY

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Surrogate Summary

SDG No.: Q2820

Client: First Environment, Inc.

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-PD089862.D	PIBLK-PD089862.D	Decachlorobiphen	1	20	20.3	101		30	135
		Tetrachloro-m-xyl	1	20	20.0	100		44	124
		Decachlorobiphen	2	20	23.5	117		30	135
		Tetrachloro-m-xyl	2	20	25.1	125	*	44	124
PB169206BL	PB169206BL	Decachlorobiphen	1	20	19.4	97		55	130
		Tetrachloro-m-xyl	1	20	18.8	94		42	129
		Decachlorobiphen	2	20	22.7	113		55	130
		Tetrachloro-m-xyl	2	20	24.0	120		42	129
PB169206BS	PB169206BS	Decachlorobiphen	1	20	19.0	95		55	130
		Tetrachloro-m-xyl	1	20	18.1	91		42	129
		Decachlorobiphen	2	20	22.3	112		55	130
		Tetrachloro-m-xyl	2	20	23.2	116		42	129
I.BLK-PD089875.D	PIBLK-PD089875.D	Decachlorobiphen	1	20	20.0	100		30	135
		Tetrachloro-m-xyl	1	20	20.0	100		44	124
		Decachlorobiphen	2	20	21.9	110		30	135
		Tetrachloro-m-xyl	2	20	25.0	125	*	44	124
I.BLK-PD089888.D	PIBLK-PD089888.D	Decachlorobiphen	1	20	19.4	97		30	135
		Tetrachloro-m-xyl	1	20	19.3	96		44	124
		Decachlorobiphen	2	20	23.5	117		30	135
		Tetrachloro-m-xyl	2	20	25.4	127	*	44	124
Q2819-14MS	17M-WMS	Decachlorobiphen	1	20	12.3	62		55	130
		Tetrachloro-m-xyl	1	20	17.3	86		42	129
		Decachlorobiphen	2	20	17.7	88		55	130
		Tetrachloro-m-xyl	2	20	21.3	107		42	129
Q2819-14MSD	17M-WMSD	Decachlorobiphen	1	20	12.2	61		55	130
		Tetrachloro-m-xyl	1	20	17.1	85		42	129
		Decachlorobiphen	2	20	17.9	89		55	130
		Tetrachloro-m-xyl	2	20	21.6	108		42	129
Q2820-09	705R-S	Decachlorobiphen	1	20	6.92	35	*	55	130
		Tetrachloro-m-xyl	1	20	13.8	69		42	129
		Decachlorobiphen	2	20	8.67	43	*	55	130
		Tetrachloro-m-xyl	2	20	17.1	86		42	129
Q2820-10	SOIL-DUP-2	Decachlorobiphen	1	20	15.6	78		55	130
		Tetrachloro-m-xyl	1	20	19.1	96		42	129
		Decachlorobiphen	2	20	18.3	91		55	130
		Tetrachloro-m-xyl	2	20	23.6	118		42	129
Q2820-24	22M-S	Decachlorobiphen	1	20	16.9	85		55	130

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Surrogate Summary

SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2820-24	22M-S	Tetrachloro-m-xyl	1	20	11.6	58		42	129
		Decachlorobiphen	2	20	19.8	99		55	130
		Tetrachloro-m-xyl	2	20	11.4	57		42	129
I.BLK-PD089901.D	PIBLK-PD089901.D	Decachlorobiphen	1	20	19.2	96		30	135
		Tetrachloro-m-xyl	1	20	19.2	96		44	124
		Decachlorobiphen	2	20	23.4	117		30	135
		Tetrachloro-m-xyl	2	20	24.5	123		44	124
I.BLK-PD089904.D	PIBLK-PD089904.D	Decachlorobiphen	1	20	19.6	98		30	135
		Tetrachloro-m-xyl	1	20	19.6	98		44	124
		Decachlorobiphen	2	20	24.1	120		30	135
		Tetrachloro-m-xyl	2	20	25.3	127	*	44	124
Q2820-09RE	705R-SRE	Decachlorobiphen	1	20	7.03	35	*	55	130
		Tetrachloro-m-xyl	1	20	13.8	69		42	129
		Decachlorobiphen	2	20	8.54	43	*	55	130
		Tetrachloro-m-xyl	2	20	17.3	87		42	129
I.BLK-PD089913.D	PIBLK-PD089913.D	Decachlorobiphen	1	20	19.6	98		30	135
		Tetrachloro-m-xyl	1	20	19.3	96		44	124
		Decachlorobiphen	2	20	23.1	116		30	135
		Tetrachloro-m-xyl	2	20	24.5	123		44	124

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8081B

Client: First Environment, Inc. **DataFile :** PD089894.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2819-14MS (Column 1)**	**Client Sample ID:**		**17M-WMS**								
	alpha-BHC	19.46	0	20.0	ug/kg	103				45	137	
	beta-BHC	19.46	0	19.1	ug/kg	98				50	136	
	delta-BHC	19.46	0	19.3	ug/kg	99				47	139	
	gamma-BHC (Lindane)	19.46	0	19.3	ug/kg	99				49	135	
	Heptachlor	19.46	0	19.2	ug/kg	99				47	136	
	Aldrin	19.46	0	14.7	ug/kg	76				45	136	
	Heptachlor epoxide	19.46	0	26.6	ug/kg	137	*			52	136	
	Endosulfan I	19.46	0	19.2	ug/kg	99				53	132	
	Dieldrin	19.46	0	20.3	ug/kg	104				56	136	
	4,4'-DDE	19.46	11.7	30.5	ug/kg	97				56	134	
	Endrin	19.46	0	16.9	ug/kg	87				57	140	
	Endosulfan II	19.46	0	21.8	ug/kg	112				53	134	
	4,4'-DDD	19.46	0	16.3	ug/kg	84				56	139	
	Endosulfan sulfate	19.46	0	20.3	ug/kg	104				55	136	
	4,4'-DDT	19.46	7.3	23.7	ug/kg	84				50	141	
	Methoxychlor	19.46	0	14.6	ug/kg	75				52	143	
	Endrin ketone	19.46	0	16.5	ug/kg	85				55	136	
	Endrin aldehyde	19.46	0	21.1	ug/kg	108				35	137	
	alpha-Chlordane	19.46	390	384	ug/kg	-31	*			54	133	
	gamma-Chlordane	19.46	328	327	ug/kg	-5	*			53	135	
Lab Sample ID:	**Q2819-14MS (Column 2)**	**Client Sample ID:**		**17M-WMS**								
	alpha-BHC	19.46	0	22.8	ug/kg	117				45	137	
	beta-BHC	19.46	0	22.8	ug/kg	117				50	136	
	delta-BHC	19.46	0	23.3	ug/kg	120				47	139	
	gamma-BHC (Lindane)	19.46	0	22.9	ug/kg	118				49	135	
	Heptachlor	19.46	0	22.0	ug/kg	113				47	136	
	Aldrin	19.46	0	25.9	ug/kg	133				45	136	
	Heptachlor epoxide	19.46	0	31.4	ug/kg	161	*			52	136	
	Endosulfan I	19.46	0	23.7	ug/kg	122				53	132	
	Dieldrin	19.46	0	24.7	ug/kg	127				56	136	
	4,4'-DDE	19.46	6.2	26.2	ug/kg	103				56	134	
	Endrin	19.46	0	34.4	ug/kg	177	*			57	140	
	Endosulfan II	19.46	0	100	ug/kg	514	*			53	134	
	4,4'-DDD	19.46	0	15.6	ug/kg	80				56	139	
	Endosulfan sulfate	19.46	0	21.3	ug/kg	109				55	136	

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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8081B

Client: First Environment, Inc. **DataFile :** PD089894.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.46	12.1	32.2	ug/kg	103				50	141	
Methoxychlor	19.46	0	19.2	ug/kg	99				52	143	
Endrin ketone	19.46	0	21.0	ug/kg	108				55	136	
Endrin aldehyde	19.46	0	22.9	ug/kg	118				35	137	
alpha-Chlordane	19.46	233	230	ug/kg	-15	*			54	133	
gamma-Chlordane	19.46	194	197	ug/kg	15	*			53	135	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8081B

Client: First Environment, Inc. **DataFile :** PD089895.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2819-14MSD (Column 1)**	**Client Sample ID:**		**17M-WMSD**								
	alpha-BHC	19.44	0	19.9	ug/kg	102		1		45	137	20
	beta-BHC	19.44	0	19.0	ug/kg	98		0		50	136	20
	delta-BHC	19.44	0	19.5	ug/kg	100		1		47	139	20
	gamma-BHC (Lindane)	19.44	0	19.2	ug/kg	99		0		49	135	20
	Heptachlor	19.44	0	19.9	ug/kg	102		3		47	136	20
	Aldrin	19.44	0	24.7	ug/kg	127		50	*	45	136	20
	Heptachlor epoxide	19.44	0	28.8	ug/kg	148	*	8		52	136	20
	Endosulfan I	19.44	0	19.1	ug/kg	98		1		53	132	20
	Dieldrin	19.44	0	20.3	ug/kg	104		0		56	136	20
	4,4'-DDE	19.44	11.7	30.1	ug/kg	95		2		56	134	20
	Endrin	19.44	0	15.3	ug/kg	79		10		57	140	20
	Endosulfan II	19.44	0	21.7	ug/kg	112		0		53	134	20
	4,4'-DDD	19.44	0	16.8	ug/kg	86		2		56	139	20
	Endosulfan sulfate	19.44	0	20.4	ug/kg	105		1		55	136	20
	4,4'-DDT	19.44	7.3	24.7	ug/kg	90		7		50	141	20
	Methoxychlor	19.44	0	17.3	ug/kg	89		17		52	143	20
	Endrin ketone	19.44	0	17.0	ug/kg	87		2		55	136	20
	Endrin aldehyde	19.44	0	22.2	ug/kg	114		5		35	137	20
	alpha-Chlordane	19.44	390	383	ug/kg	-36	*	15		54	133	20
	gamma-Chlordane	19.44	328	325	ug/kg	-15	*	100	*	53	135	20
Lab Sample ID:	**Q2819-14MSD (Column 2)**	**Client Sample ID:**		**17M-WMSD**								
	alpha-BHC	19.44	0	22.7	ug/kg	117		0		45	137	20
	beta-BHC	19.44	0	22.8	ug/kg	117		0		50	136	20
	delta-BHC	19.44	0	23.5	ug/kg	121		1		47	139	20
	gamma-BHC (Lindane)	19.44	0	23.0	ug/kg	118		0		49	135	20
	Heptachlor	19.44	0	22.9	ug/kg	118		4		47	136	20
	Aldrin	19.44	0	25.7	ug/kg	132		1		45	136	20
	Heptachlor epoxide	19.44	0	31.2	ug/kg	160	*	1		52	136	20
	Endosulfan I	19.44	0	16.0	ug/kg	82		39	*	53	132	20
	Dieldrin	19.44	0	24.7	ug/kg	127		0		56	136	20
	4,4'-DDE	19.44	6.2	25.7	ug/kg	100		3		56	134	20
	Endrin	19.44	0	34.3	ug/kg	176	*	1		57	140	20
	Endosulfan II	19.44	0	101	ug/kg	520	*	1		53	134	20
	4,4'-DDD	19.44	0	24.0	ug/kg	123		42	*	56	139	20
	Endosulfan sulfate	19.44	0	21.8	ug/kg	112		3		55	136	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8081B

Client: First Environment, Inc. **DataFile :** PD089895.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.44	12.1	33.3	ug/kg	109		6		50	141	20
Methoxychlor	19.44	0	20.5	ug/kg	105		6		52	143	20
Endrin ketone	19.44	0	21.6	ug/kg	111		3		55	136	20
Endrin aldehyde	19.44	0	23.7	ug/kg	122		3		35	137	20
alpha-Chlordane	19.44	233	231	ug/kg	-10	*	40	*	54	133	20
gamma-Chlordane	19.44	194	195	ug/kg	5	*	100	*	53	135	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8081B

Client: First Environment, Inc. **Datafile :** PD089866.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169206BS (Column 1)	alpha-BHC	16.65	15.8	ug/kg	95				45	137	
	beta-BHC	16.65	15.6	ug/kg	94				50	136	
	delta-BHC	16.65	16.1	ug/kg	97				47	139	
	gamma-BHC (Lindane)	16.65	15.7	ug/kg	94				49	135	
	Heptachlor	16.65	14.7	ug/kg	88				47	136	
	Aldrin	16.65	15.7	ug/kg	94				45	136	
	Heptachlor epoxide	16.65	15.4	ug/kg	92				52	136	
	Endosulfan I	16.65	15.4	ug/kg	92				53	132	
	Dieldrin	16.65	15.3	ug/kg	92				56	136	
	4,4'-DDE	16.65	15.5	ug/kg	93				56	134	
	Endrin	16.65	13.5	ug/kg	81				57	140	
	Endosulfan II	16.65	15.0	ug/kg	90				53	134	
	4,4'-DDD	16.65	16.1	ug/kg	97				56	139	
	Endosulfan sulfate	16.65	14.8	ug/kg	89				55	136	
	4,4'-DDT	16.65	13.0	ug/kg	78				50	141	
	Methoxychlor	16.65	12.5	ug/kg	75				52	143	
	Endrin ketone	16.65	15.3	ug/kg	92				55	136	
	Endrin aldehyde	16.65	16.4	ug/kg	98				35	137	
	alpha-Chlordane	16.65	15.4	ug/kg	92				54	133	
	gamma-Chlordane	16.65	15.5	ug/kg	93				53	135	
PB169206BS (Column 2)	alpha-BHC	16.65	18.7	ug/kg	112				45	137	
	beta-BHC	16.65	18.7	ug/kg	112				50	136	
	delta-BHC	16.65	18.9	ug/kg	114				47	139	
	gamma-BHC (Lindane)	16.65	18.7	ug/kg	112				49	135	
	Heptachlor	16.65	17.7	ug/kg	106				47	136	
	Aldrin	16.65	18.8	ug/kg	113				45	136	
	Heptachlor epoxide	16.65	18.6	ug/kg	112				52	136	
	Endosulfan I	16.65	18.7	ug/kg	112				53	132	
	Dieldrin	16.65	18.8	ug/kg	113				56	136	
	4,4'-DDE	16.65	18.9	ug/kg	114				56	134	
	Endrin	16.65	16.7	ug/kg	100				57	140	
	Endosulfan II	16.65	18.8	ug/kg	113				53	134	
	4,4'-DDD	16.65	20.1	ug/kg	121				56	139	
	Endosulfan sulfate	16.65	18.3	ug/kg	110				55	136	
	4,4'-DDT	16.65	16.9	ug/kg	102				50	141	
	Methoxychlor	16.65	16.2	ug/kg	97				52	143	
	Endrin ketone	16.65	19.5	ug/kg	117				55	136	
	Endrin aldehyde	16.65	20.3	ug/kg	122				35	137	
	alpha-Chlordane	16.65	18.9	ug/kg	114				54	133	
	gamma-Chlordane	16.65	18.9	ug/kg	114				53	135	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169206BL

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2820

Lab Sample ID: PB169206BL | Lab File ID: PD089865.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/12/2025

Date Analyzed (1): 08/12/2025 | Date Analyzed (2): 08/12/2025

Time Analyzed (1): 16:33 | Time Analyzed (2): 16:33

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB169206BS	PB169206BS	PD089866.D	08/12/2025	08/12/2025
17M-WMS	Q2819-14MS	PD089894.D	08/14/2025	08/14/2025
17M-WMSD	Q2819-14MSD	PD089895.D	08/14/2025	08/14/2025
705R-S	Q2820-09	PD089896.D	08/14/2025	08/14/2025
SOIL-DUP-2	Q2820-10	PD089897.D	08/14/2025	08/14/2025
22M-S	Q2820-24	PD089898.D	08/14/2025	08/14/2025

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:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8 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
PD089896.D	1	08/12/25 08:16	08/14/25 14:41	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.59	U	0.23	0.59	3.00	ug/kg
319-85-7	beta-BHC	1.50	U	0.32	1.50	3.00	ug/kg
319-86-8	delta-BHC	1.50	U	0.70	1.50	3.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.59	U	0.25	0.59	3.00	ug/kg
76-44-8	Heptachlor	0.59	U	0.21	0.59	3.00	ug/kg
309-00-2	Aldrin	0.59	U	0.21	0.59	3.00	ug/kg
1024-57-3	Heptachlor epoxide	1.50	U	0.34	1.50	3.00	ug/kg
959-98-8	Endosulfan I	0.59	U	0.25	0.59	3.00	ug/kg
60-57-1	Dieldrin	0.59	U	0.25	0.59	3.00	ug/kg
72-55-9	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
72-20-8	Endrin	0.59	U	0.25	0.59	3.00	ug/kg
33213-65-9	Endosulfan II	1.50	U	0.52	1.50	3.00	ug/kg
72-54-8	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.59	U	0.23	0.59	3.00	ug/kg
50-29-3	4,4-DDT	0.59	U	0.25	0.59	3.00	ug/kg
72-43-5	Methoxychlor	1.50	U	0.66	1.50	3.00	ug/kg
53494-70-5	Endrin ketone	1.50	U	0.34	1.50	3.00	ug/kg
7421-93-4	Endrin aldehyde	1.50	U	0.66	1.50	3.00	ug/kg
5103-71-9	alpha-Chlordane	0.59	U	0.21	0.59	3.00	ug/kg
5103-74-2	gamma-Chlordane	0.59	U	0.27	0.59	3.00	ug/kg
8001-35-2	Toxaphene	30.4	U	9.70	30.4	59.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.67	*	55 - 130		43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		42 - 129		86%	SPK: 20

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8 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
PD089896.D	1	08/12/25 08:16	08/14/25 14:41	PB169206

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\PD081525\
Data File : PD089896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:41
Operator : AR\AJ
Sample : Q2820-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
705R-S

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:27:25 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	2.877	33939724	271.0E6	13.760	17.109m
28)	SA Decachlor...	9.070	8.067	25705134	174.1E6	6.917	8.669 #
	Target Compounds						
12)	B 4,4'-DDE	6.193	5.371	7060437	50268897	1.893	2.378 #
16)	A 4,4'-DDD	6.702	5.925	16521961	126.9E6	5.517m	7.200m#

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

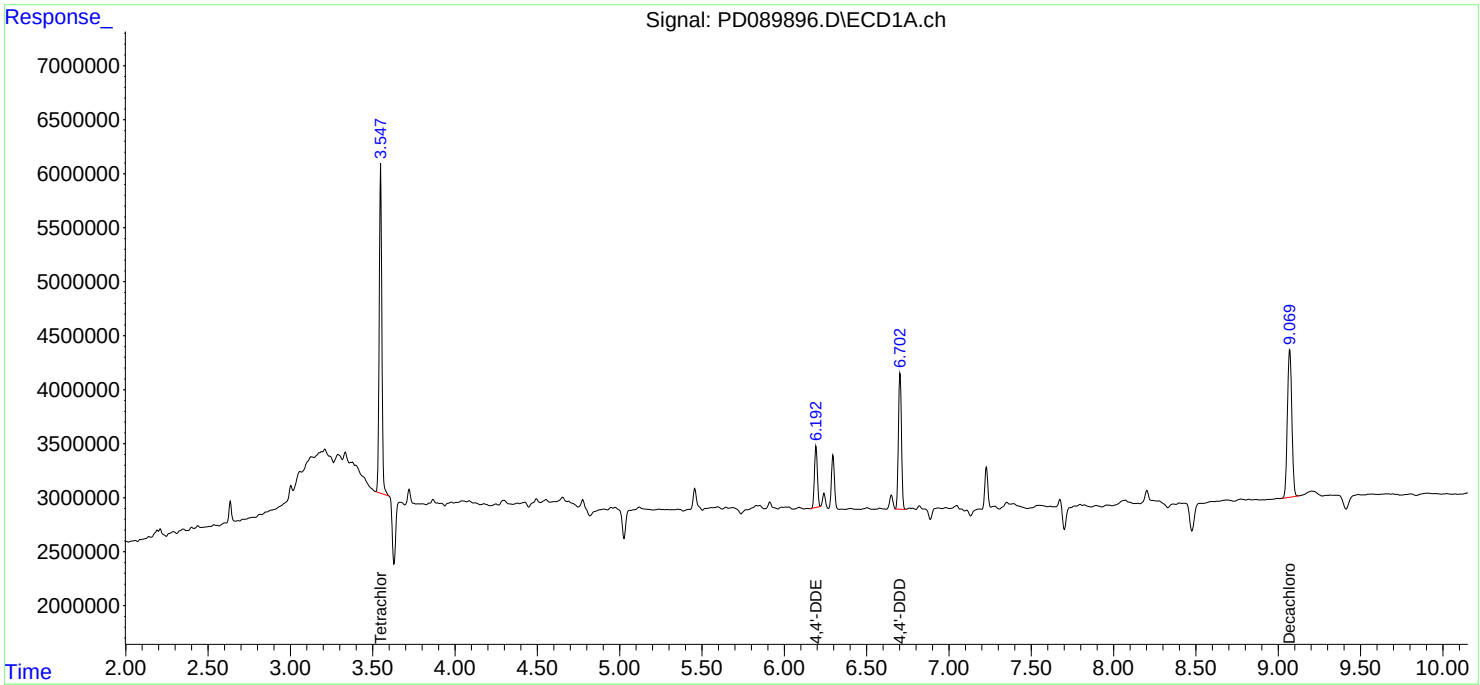
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:41
Operator : AR\AJ
Sample : Q2820-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

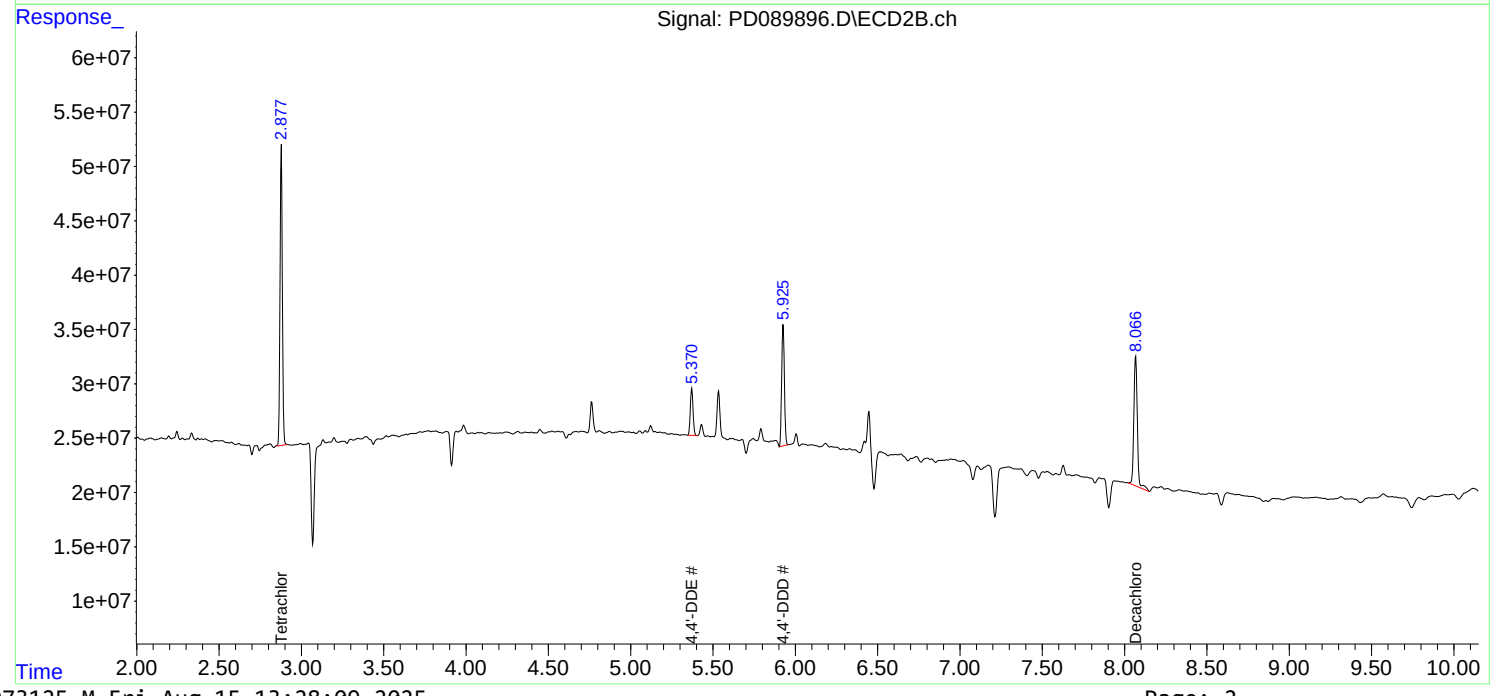
Instrument :
ECD_D
ClientSampleId :
705R-S

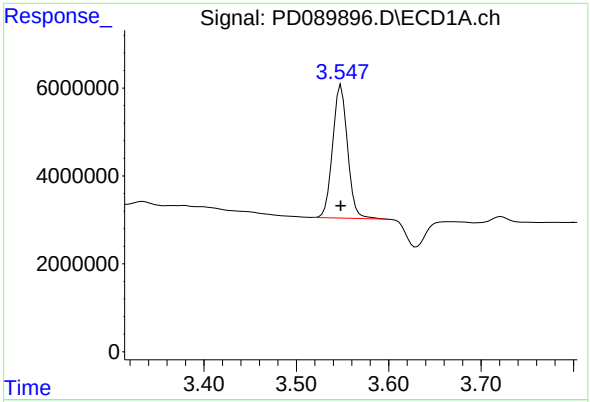
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:27:25 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







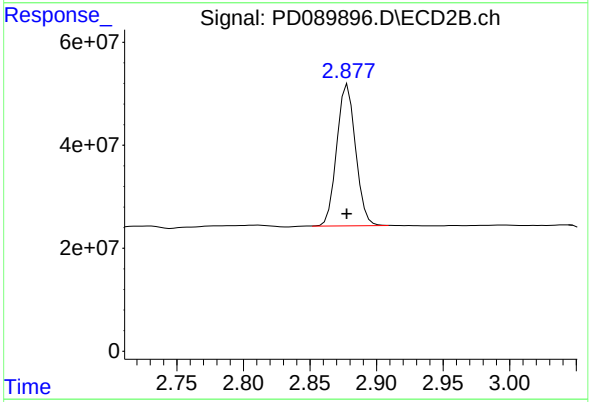
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 33939724
Conc: 13.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S

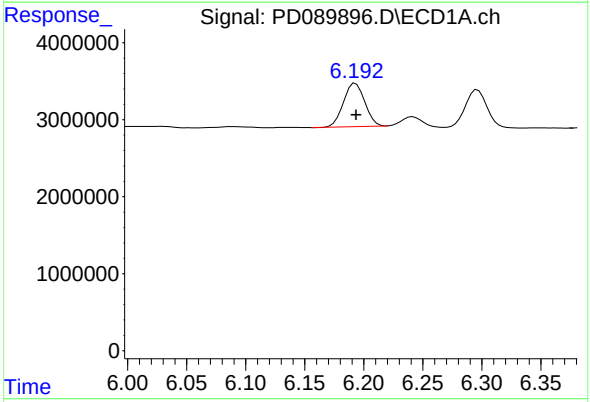
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



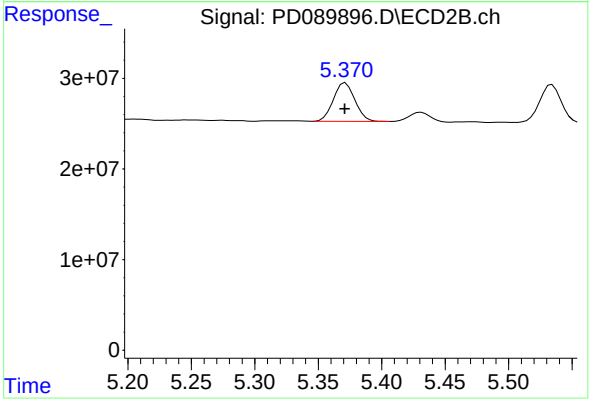
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 270964554
Conc: 17.11 ng/ml m



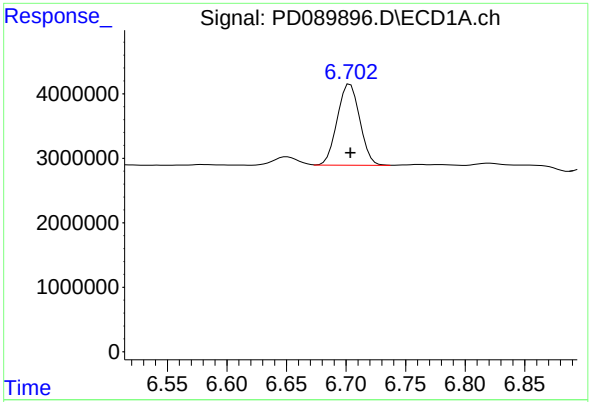
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 7060437
Conc: 1.89 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 50268897
Conc: 2.38 ng/ml



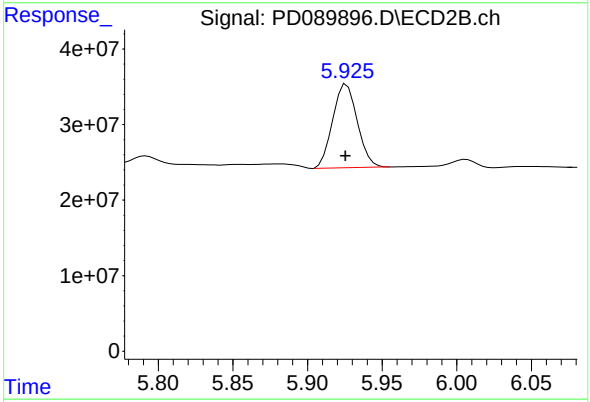
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 16521961
Conc: 5.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S

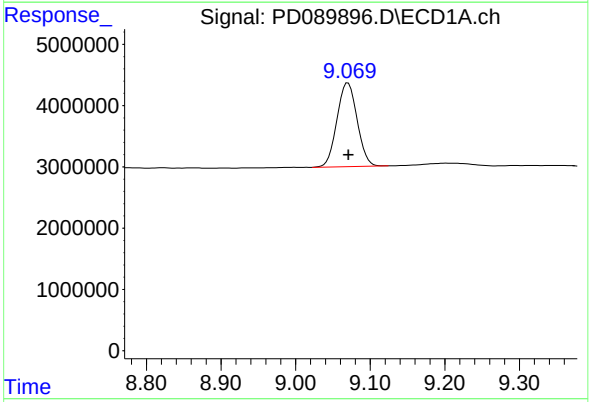
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



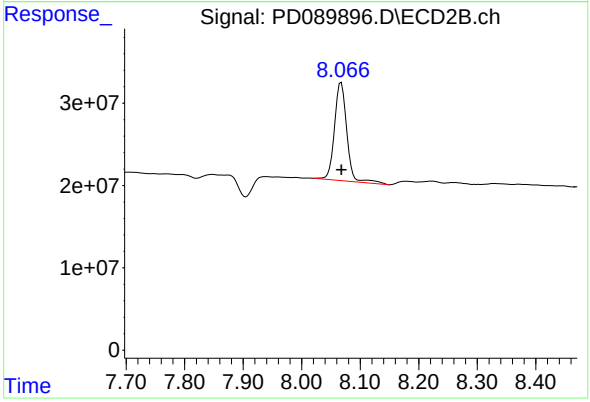
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 126947326
Conc: 7.20 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 25705134
Conc: 6.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 174056092
Conc: 8.67 ng/ml

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8 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
PD089910.D	1	08/12/25 08:16	08/15/25 11:02	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.59	U	0.23	0.59	3.00	ug/kg
319-85-7	beta-BHC	1.50	U	0.32	1.50	3.00	ug/kg
319-86-8	delta-BHC	1.50	U	0.70	1.50	3.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.59	U	0.25	0.59	3.00	ug/kg
76-44-8	Heptachlor	0.59	U	0.21	0.59	3.00	ug/kg
309-00-2	Aldrin	0.59	U	0.21	0.59	3.00	ug/kg
1024-57-3	Heptachlor epoxide	1.50	U	0.34	1.50	3.00	ug/kg
959-98-8	Endosulfan I	0.59	U	0.25	0.59	3.00	ug/kg
60-57-1	Dieldrin	0.59	U	0.25	0.59	3.00	ug/kg
72-55-9	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
72-20-8	Endrin	0.59	U	0.25	0.59	3.00	ug/kg
33213-65-9	Endosulfan II	1.50	U	0.52	1.50	3.00	ug/kg
72-54-8	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.59	U	0.23	0.59	3.00	ug/kg
50-29-3	4,4-DDT	0.59	U	0.25	0.59	3.00	ug/kg
72-43-5	Methoxychlor	1.50	U	0.66	1.50	3.00	ug/kg
53494-70-5	Endrin ketone	1.50	U	0.34	1.50	3.00	ug/kg
7421-93-4	Endrin aldehyde	1.50	U	0.66	1.50	3.00	ug/kg
5103-71-9	alpha-Chlordane	0.59	U	0.21	0.59	3.00	ug/kg
5103-74-2	gamma-Chlordane	0.59	U	0.27	0.59	3.00	ug/kg
8001-35-2	Toxaphene	30.4	U	9.70	30.4	59.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.54	*	55 - 130		43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		42 - 129		87%	SPK: 20

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8 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
PD089910.D	1	08/12/25 08:16	08/15/25 11:02	PB169206

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\PD081625\
Data File : PD089910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 11:02
Operator : AR\AJ
Sample : Q2820-09RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
705R-SRE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:50 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...	3.549	2.877	33942367	274.5E6	13.761	17.332m#
28)	SA Decachlor...	9.069	8.066	26114379	171.5E6	7.027	8.541
	Target Compounds						
12)	B 4,4'-DDE	6.192	5.371	6960899	50115257	1.866	2.371 #
16)	A 4,4'-DDD	6.701	5.924	16606893	128.4E6	5.545m	7.284m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 11:02
Operator : AR\AJ
Sample : Q2820-09RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

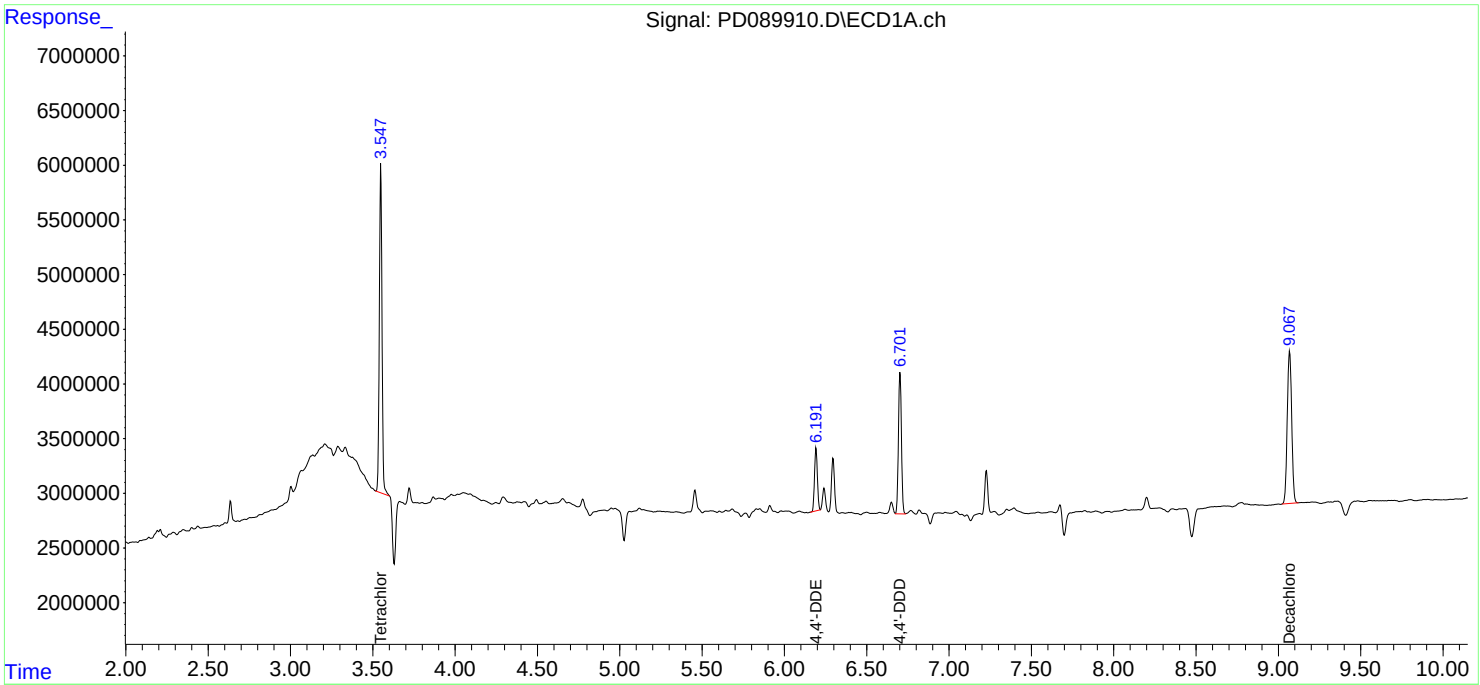
Instrument :
ECD_D
ClientSampleId :
705R-SRE

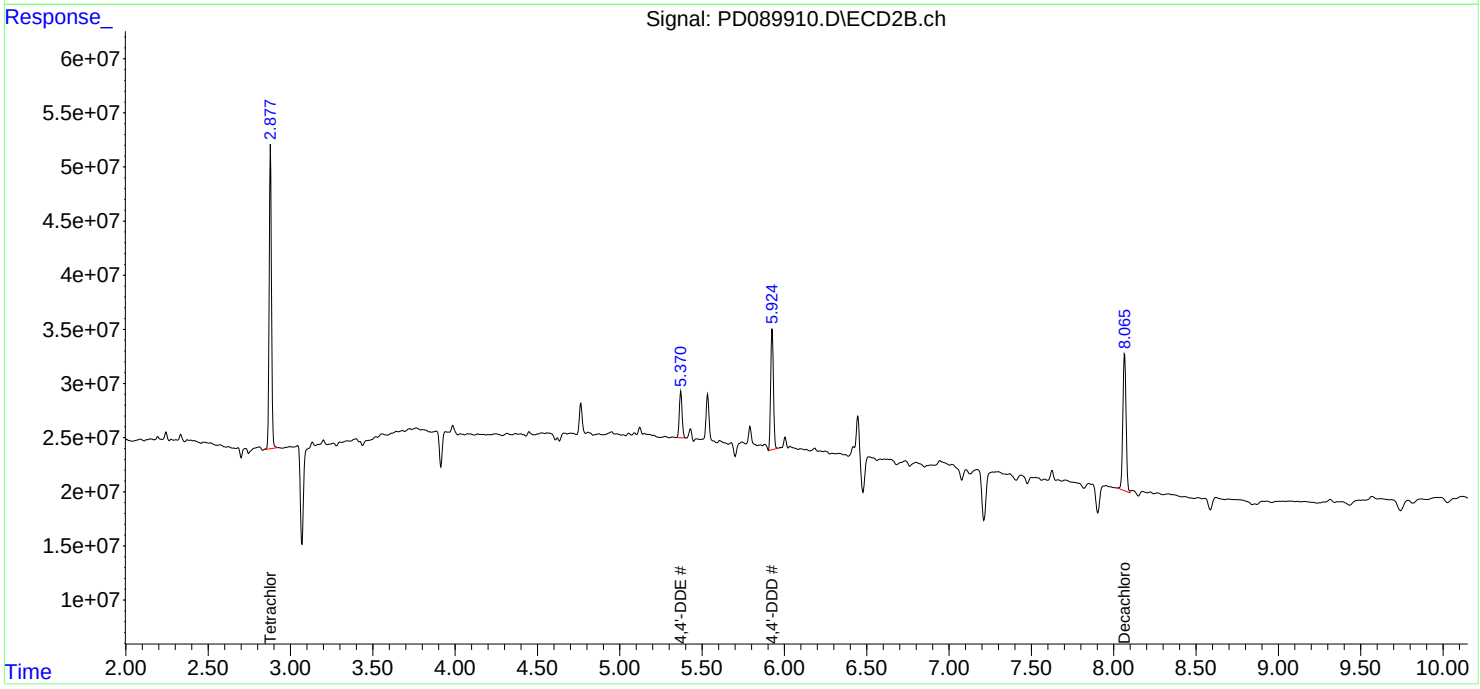
Manual Integrations APPROVED

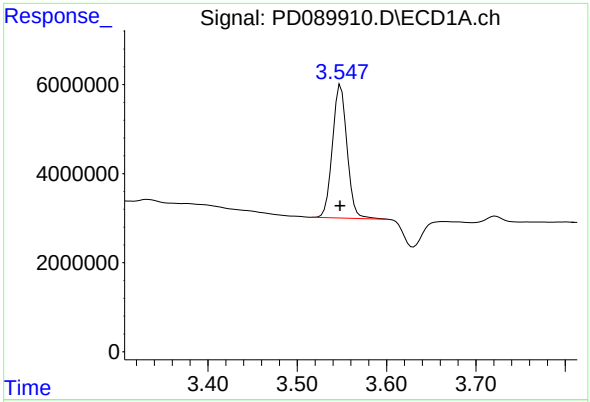
Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:50 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







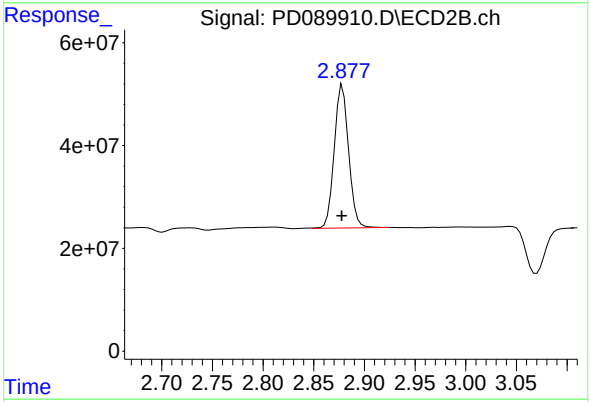
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 33942367
Conc: 13.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-SRE

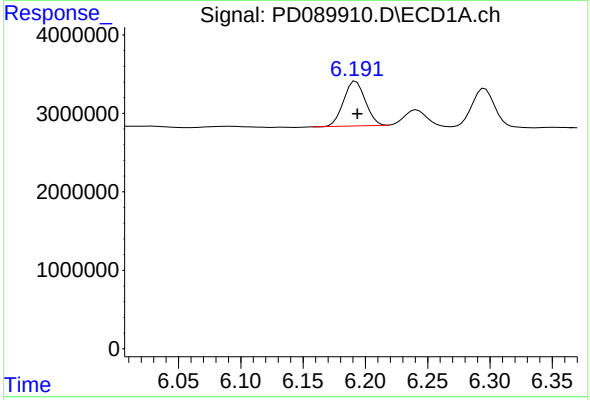
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



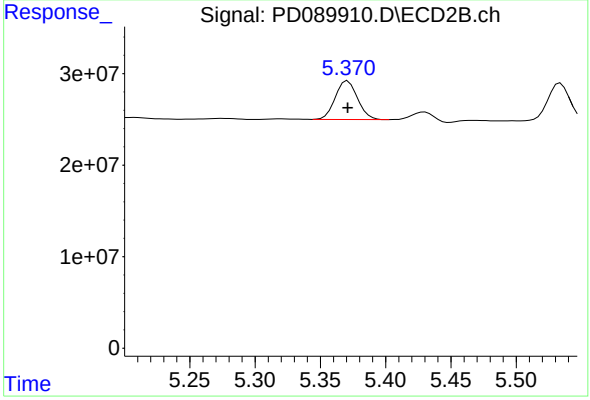
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 274494880
Conc: 17.33 ng/ml m



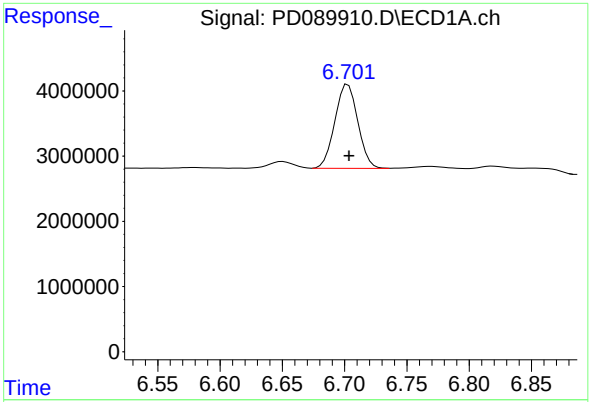
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 6960899
Conc: 1.87 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 50115257
Conc: 2.37 ng/ml



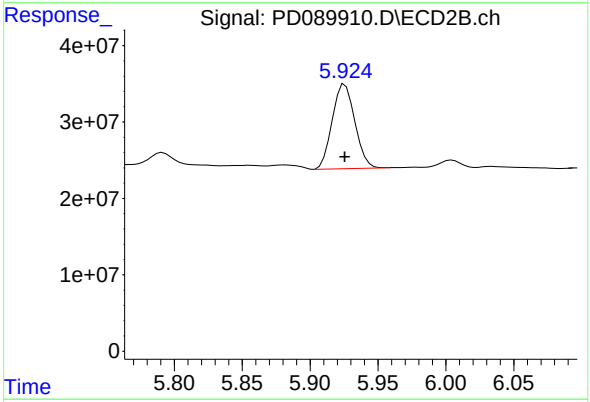
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 16606893
Conc: 5.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-SRE

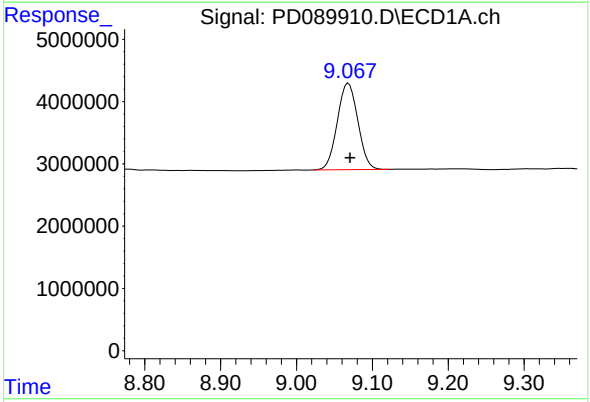
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



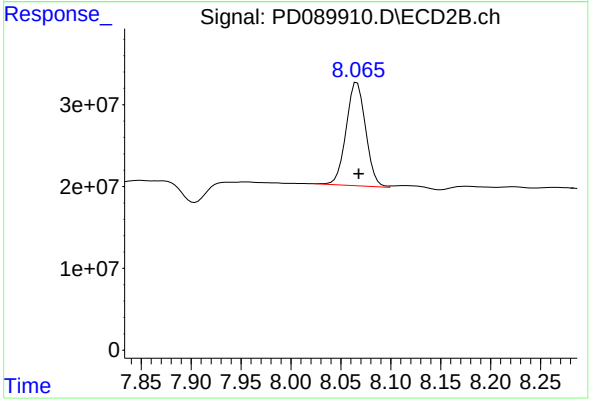
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 128427536
Conc: 7.28 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 26114379
Conc: 7.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 171480540
Conc: 8.54 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	48.4 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
PD089897.D	1	08/12/25 08:16	08/14/25 14:55	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.68	U	0.27	0.68	3.50	ug/kg
319-85-7	beta-BHC	1.70	U	0.37	1.70	3.50	ug/kg
319-86-8	delta-BHC	1.70	U	0.80	1.70	3.50	ug/kg
58-89-9	gamma-BHC (Lindane)	0.68	U	0.29	0.68	3.50	ug/kg
76-44-8	Heptachlor	0.68	U	0.25	0.68	3.50	ug/kg
309-00-2	Aldrin	0.68	U	0.25	0.68	3.50	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.39	1.70	3.50	ug/kg
959-98-8	Endosulfan I	0.68	U	0.29	0.68	3.50	ug/kg
60-57-1	Dieldrin	0.68	U	0.29	0.68	3.50	ug/kg
72-55-9	4,4-DDE	0.61	J	0.29	0.68	3.50	ug/kg
72-20-8	Endrin	0.68	U	0.29	0.68	3.50	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.60	1.70	3.50	ug/kg
72-54-8	4,4-DDD	1.50	J	0.31	0.68	3.50	ug/kg
1031-07-8	Endosulfan Sulfate	0.68	U	0.27	0.68	3.50	ug/kg
50-29-3	4,4-DDT	0.68	U	0.29	0.68	3.50	ug/kg
72-43-5	Methoxychlor	1.70	U	0.76	1.70	3.50	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.39	1.70	3.50	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.76	1.70	3.50	ug/kg
5103-71-9	alpha-Chlordane	0.68	U	0.25	0.68	3.50	ug/kg
5103-74-2	gamma-Chlordane	0.68	U	0.31	0.68	3.50	ug/kg
8001-35-2	Toxaphene	35.0	U	11.1	35.0	68.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.3		55 - 130		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		42 - 129		118%	SPK: 20

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	48.4 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
PD089897.D	1	08/12/25 08:16	08/14/25 14:55	PB169206

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\PD081525\
Data File : PD089897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:55
Operator : AR\AJ
Sample : Q2820-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:27:51 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	2.877	47188886	374.0E6	19.131	23.616m
28)	SA Decachlor...	9.071	8.068	57881423	366.6E6	15.575	18.261
	Target Compounds						
12)	B 4,4'-DDE	6.193	5.371	2347727	18723873	0.629	0.886m#
16)	A 4,4'-DDD	6.702	5.926	6312081	39322388	2.108m	2.230m

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

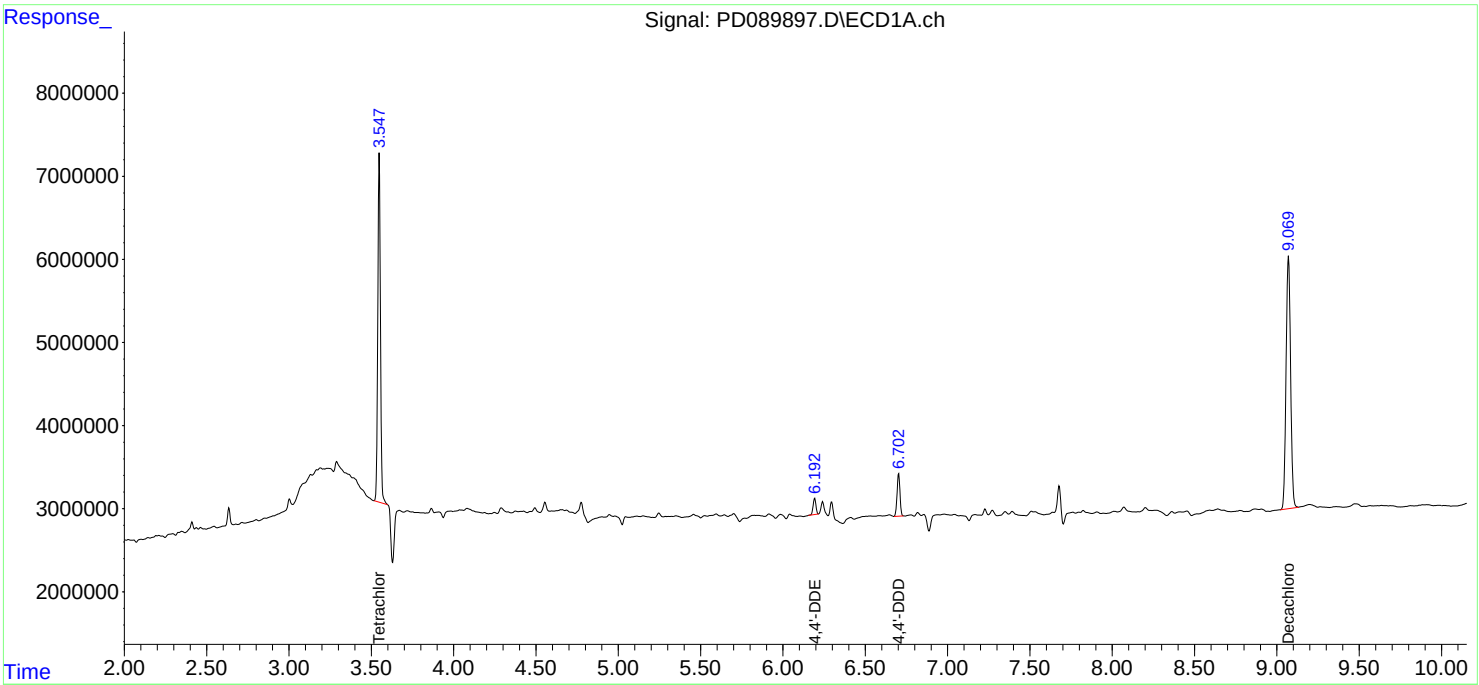
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:55
Operator : AR\AJ
Sample : Q2820-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

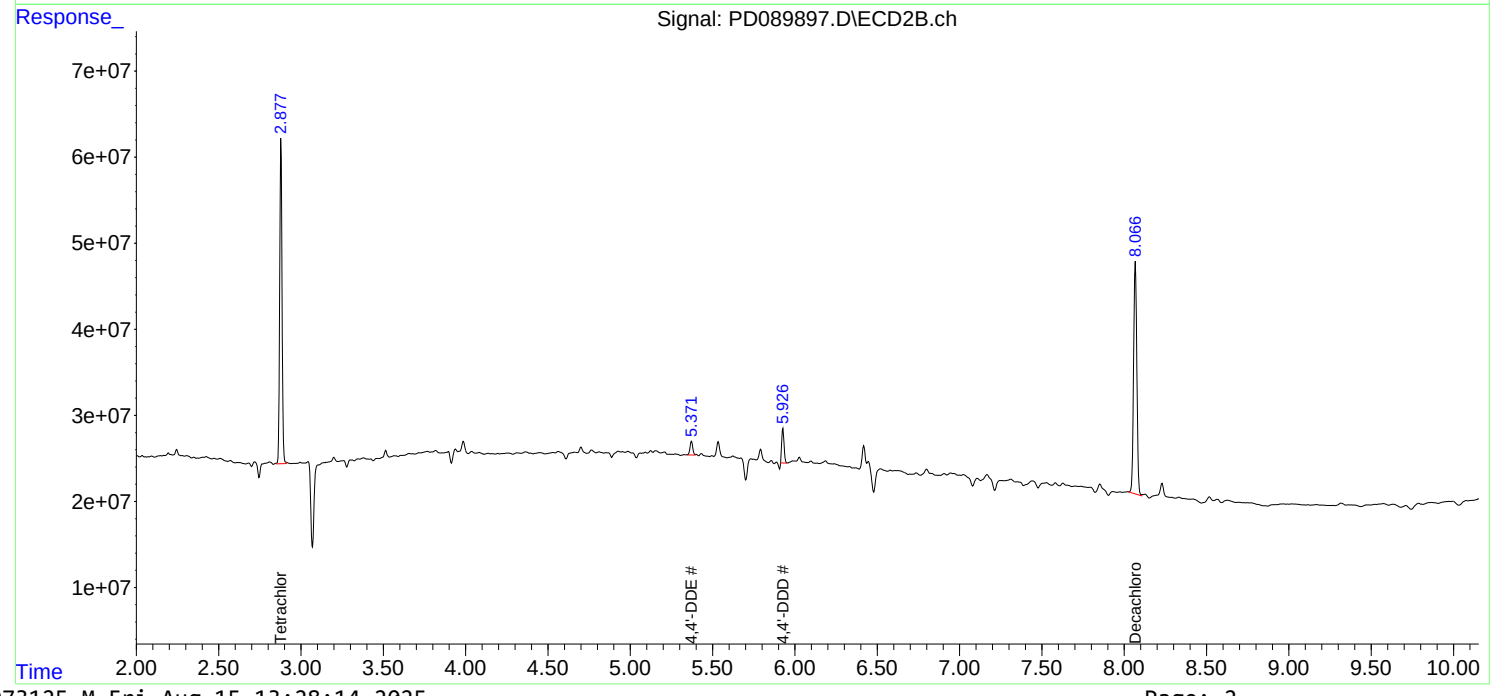
Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2

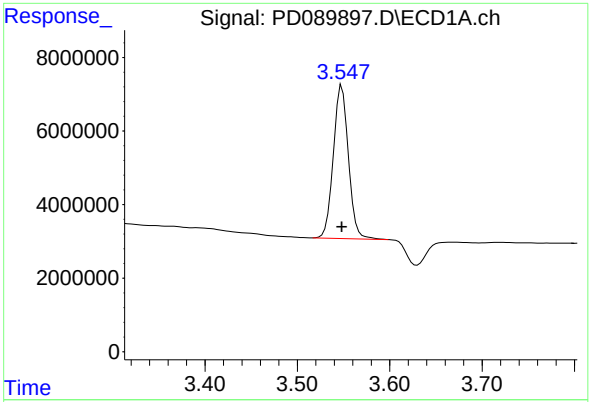
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:27:51 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







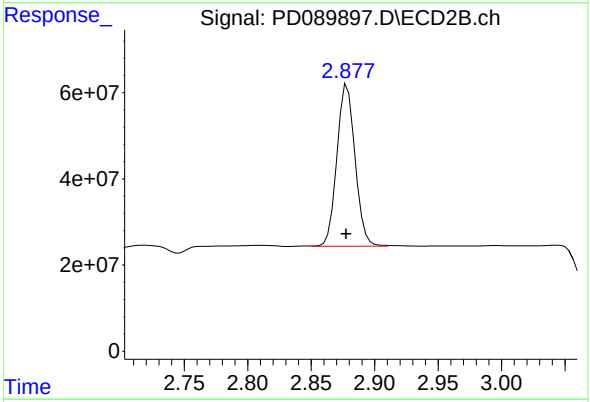
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 47188886
Conc: 19.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2

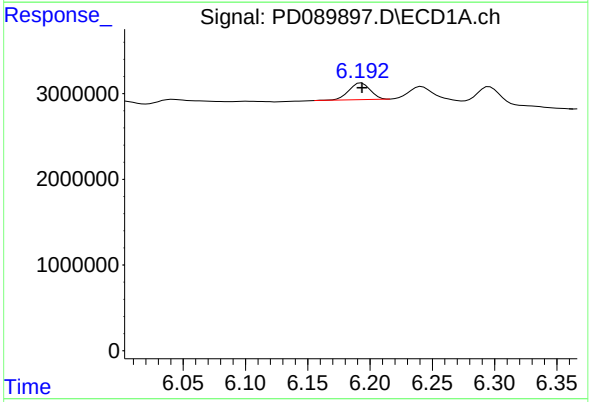
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



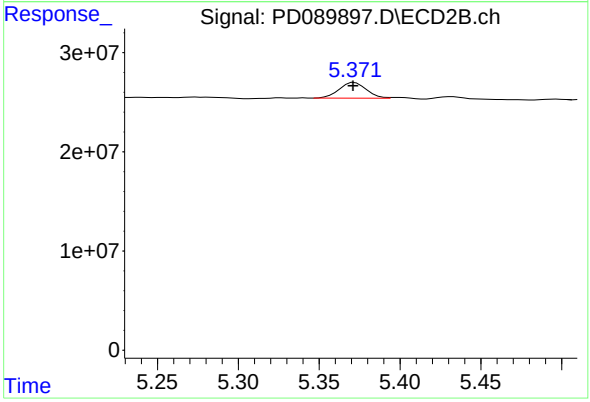
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 374029131
Conc: 23.62 ng/ml m



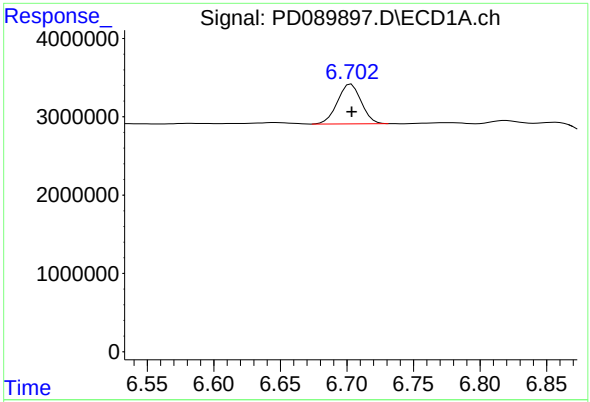
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 2347727
Conc: 0.63 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 18723873
Conc: 0.89 ng/ml m



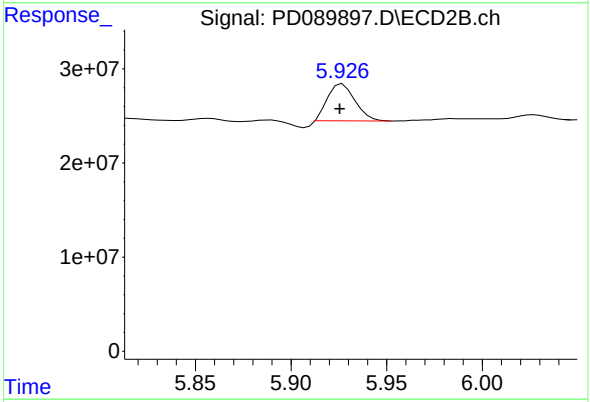
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 6312081
Conc: 2.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2

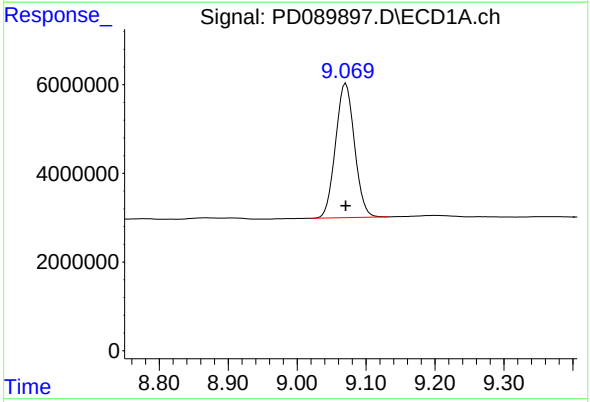
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



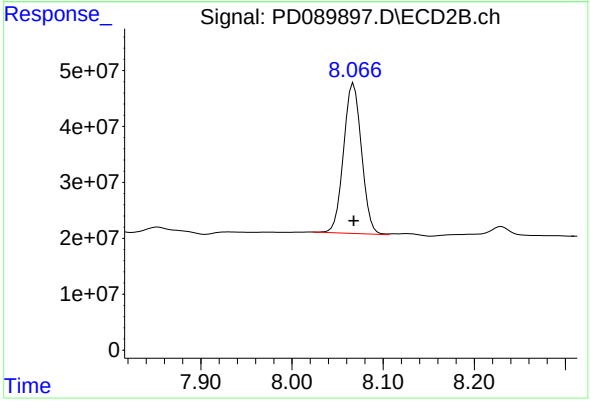
#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 39322388
Conc: 2.23 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 57881423
Conc: 15.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 366641830
Conc: 18.26 ng/ml

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89 Decanted:
Sample Wt/Vol:	30.01 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
PD089898.D	1	08/12/25 08:16	08/14/25 15:09	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.37	U	0.15	0.37	1.90	ug/kg
319-85-7	beta-BHC	0.93	U	0.20	0.93	1.90	ug/kg
319-86-8	delta-BHC	0.93	U	0.44	0.93	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.37	U	0.16	0.37	1.90	ug/kg
76-44-8	Heptachlor	0.37	U	0.13	0.37	1.90	ug/kg
309-00-2	Aldrin	0.37	U	0.13	0.37	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.10	JP	0.21	0.93	1.90	ug/kg
959-98-8	Endosulfan I	0.37	U	0.16	0.37	1.90	ug/kg
60-57-1	Dieldrin	0.37	U	0.16	0.37	1.90	ug/kg
72-55-9	4,4-DDE	0.37	U	0.16	0.37	1.90	ug/kg
72-20-8	Endrin	0.37	U	0.16	0.37	1.90	ug/kg
33213-65-9	Endosulfan II	0.93	U	0.33	0.93	1.90	ug/kg
72-54-8	4,4-DDD	0.37	U	0.17	0.37	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.37	U	0.15	0.37	1.90	ug/kg
50-29-3	4,4-DDT	0.37	U	0.16	0.37	1.90	ug/kg
72-43-5	Methoxychlor	0.93	U	0.42	0.93	1.90	ug/kg
53494-70-5	Endrin ketone	0.93	U	0.21	0.93	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.93	U	0.42	0.93	1.90	ug/kg
5103-71-9	alpha-Chlordane	3.00	P	0.13	0.37	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.40	J	0.17	0.37	1.90	ug/kg
8001-35-2	Toxaphene	19.1	U	6.10	19.1	37.1	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.8		55 - 130		99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.6		42 - 129		58%	SPK: 20

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89 Decanted:
Sample Wt/Vol:	30.01 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
PD089898.D	1	08/12/25 08:16	08/14/25 15:09	PB169206

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\PD081525\
Data File : PD089898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:09
Operator : AR\AJ
Sample : Q2820-24
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
22M-S

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:28:16 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...	3.549	2.879	28543195	180.9E6	11.572	11.421
28)	SA Decachlor...	9.069	8.067	62932627	398.0E6	16.934	19.825
	Target Compounds						
8)	B Heptachlo...	5.685	4.867	5158882	58130677	1.234m	2.829 #
10)	B gamma-Chl...	5.944	5.122	15328341	82858215	3.668	3.827
11)	B alpha-Chl...	6.029	5.187	33192127	107.2E6	7.895	5.150 #

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

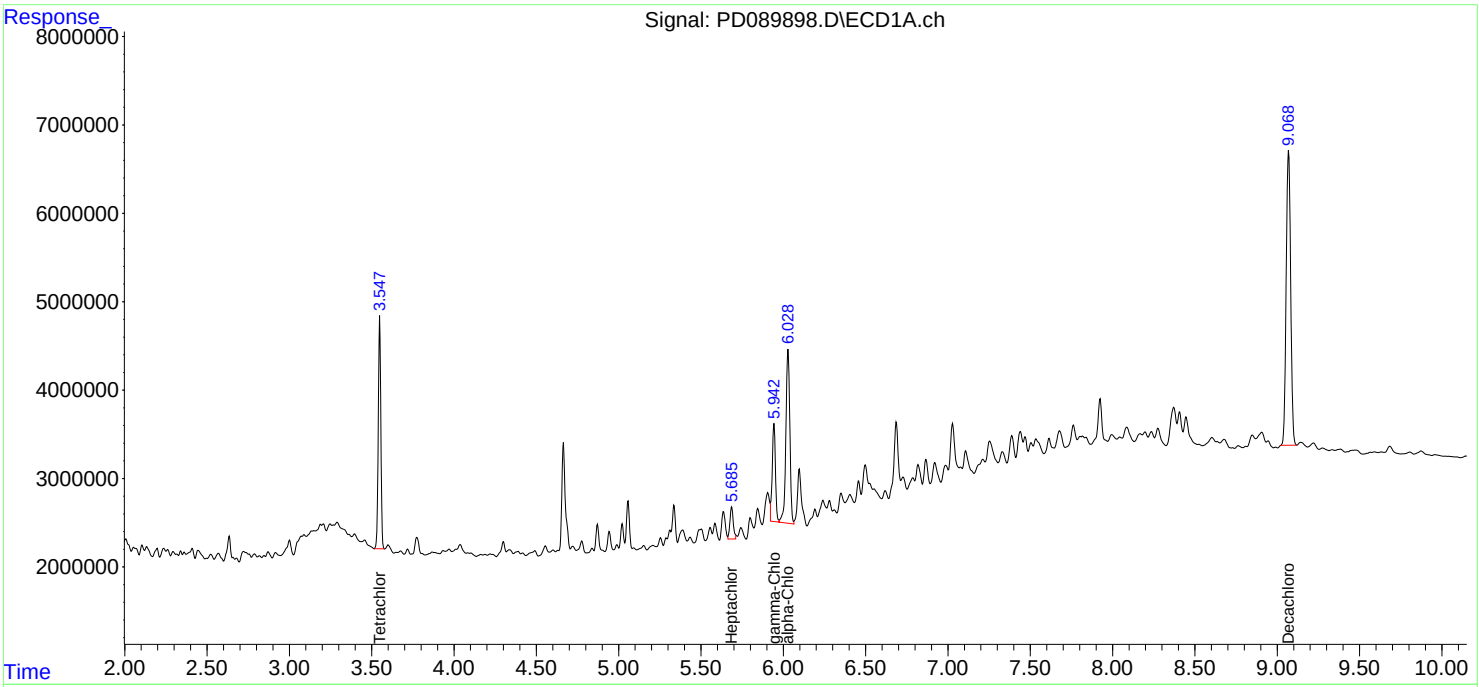
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:09
Operator : AR\AJ
Sample : Q2820-24
Misc :
ALS Vial : 12 Sample Multiplier: 1

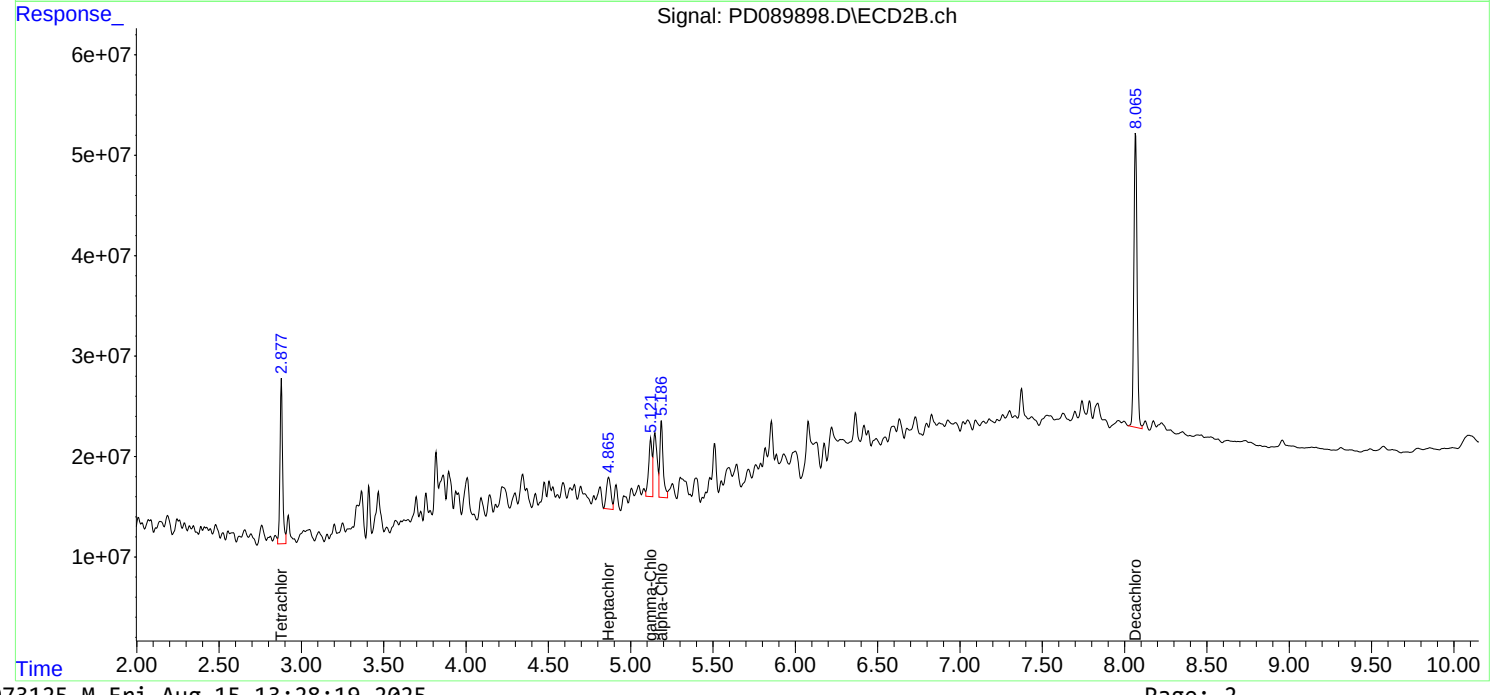
Instrument :
ECD_D
ClientSampleId :
22M-S

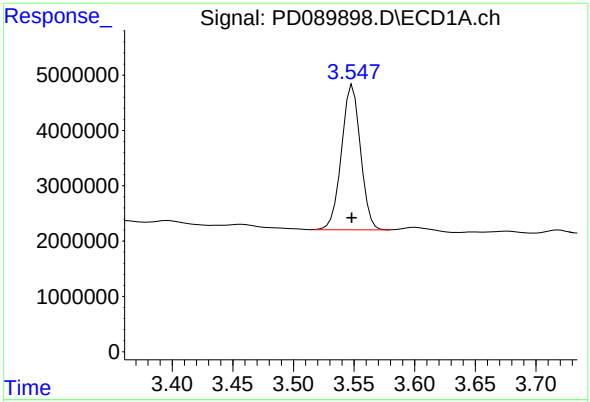
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:28:16 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







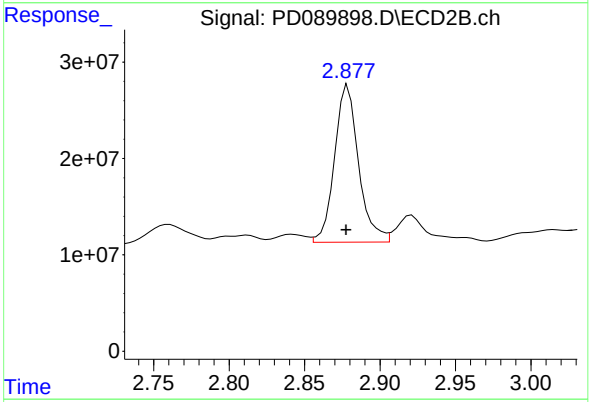
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 28543195
Conc: 11.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S

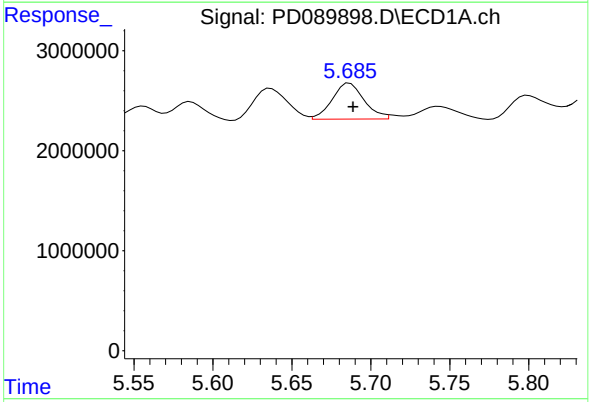
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



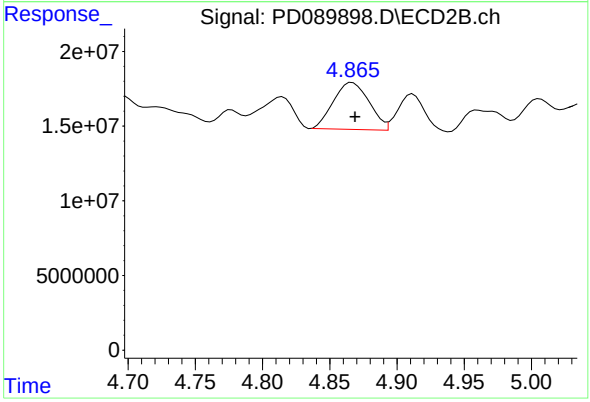
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.001 min
Response: 180884408
Conc: 11.42 ng/ml



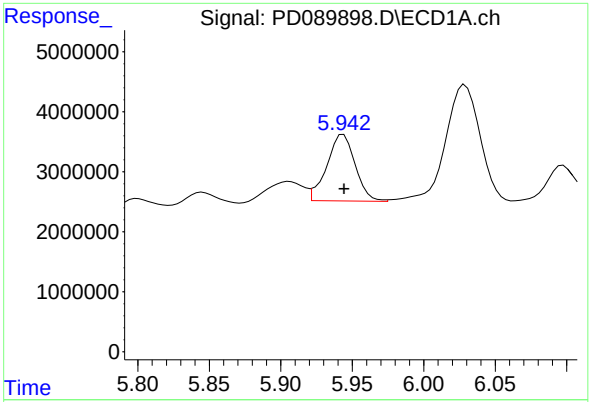
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.004 min
Response: 5158882
Conc: 1.23 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 58130677
Conc: 2.83 ng/ml



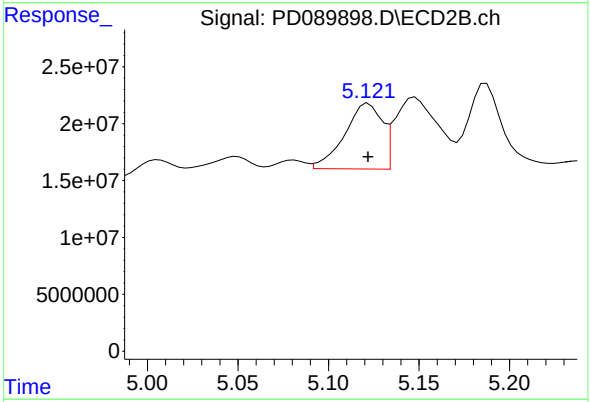
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 15328341
Conc: 3.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S

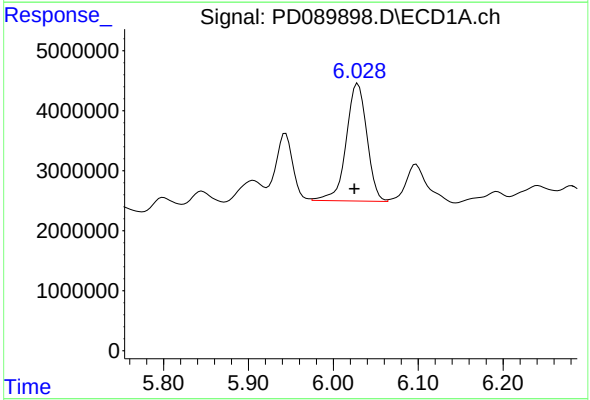
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



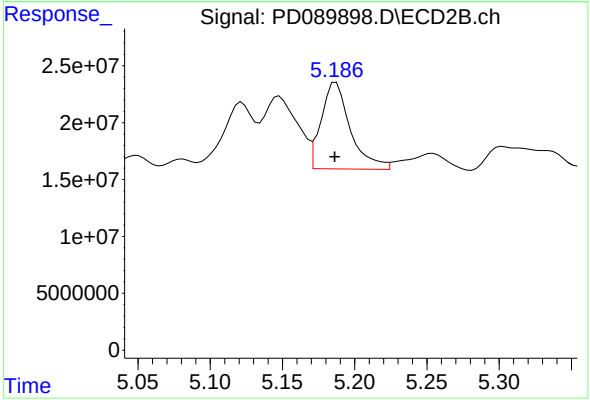
#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 82858215
Conc: 3.83 ng/ml



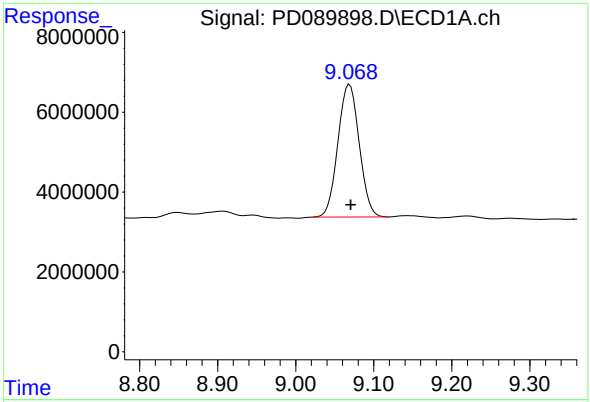
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.004 min
Response: 33192127
Conc: 7.90 ng/ml



#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 107233545
Conc: 5.15 ng/ml



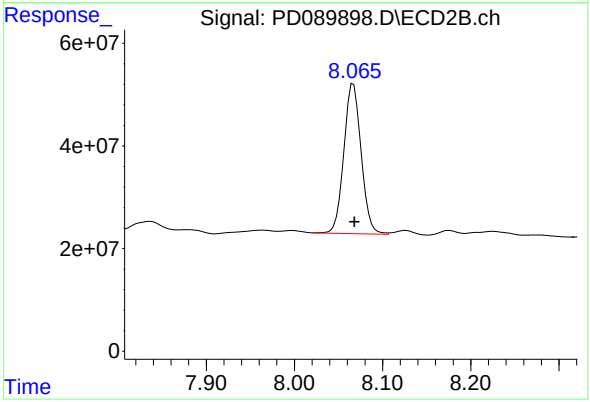
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.001 min
Response: 62932627
Conc: 16.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 398048952
Conc: 19.83 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 **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Instrument ID: ECD_D **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

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: FIRS02
SDG NO.: Q2820
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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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: FIRS02
SDG NO.: Q2820
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: FIRS02
SDG NO.: Q2820
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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

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

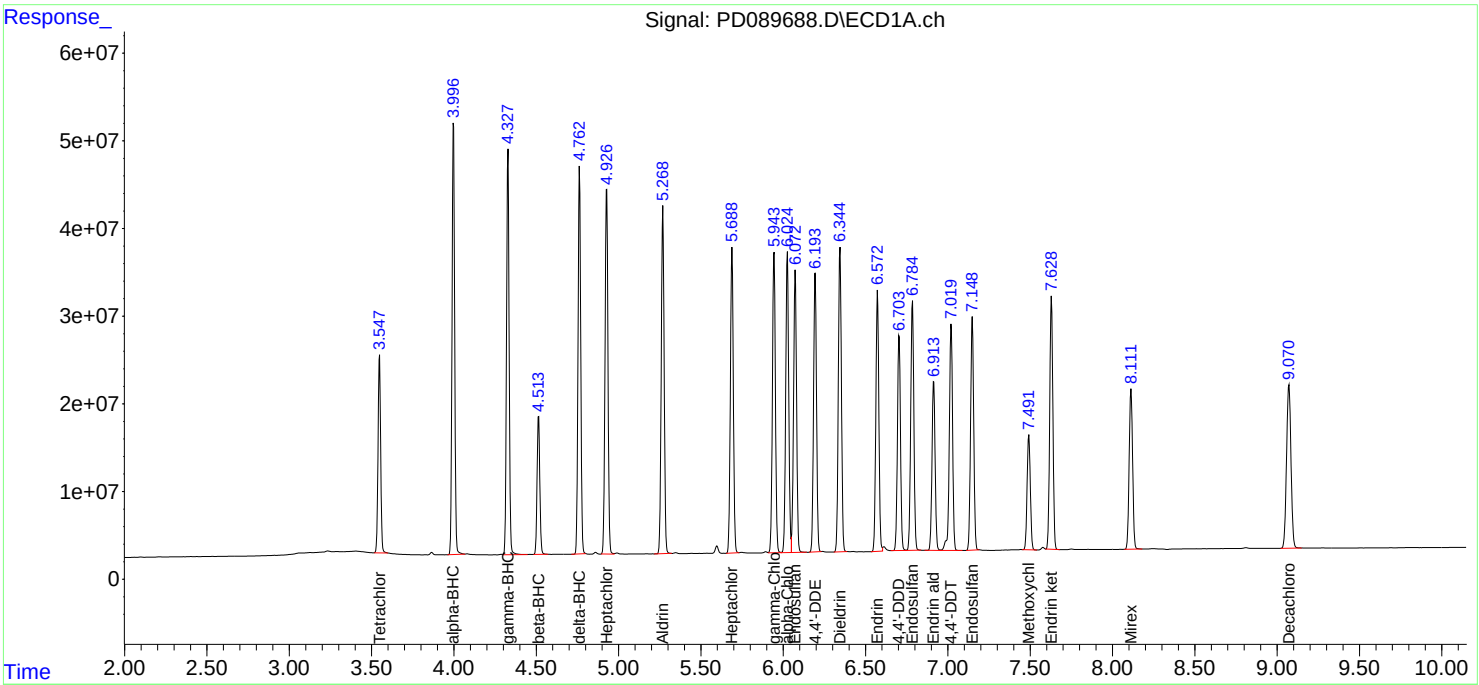
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

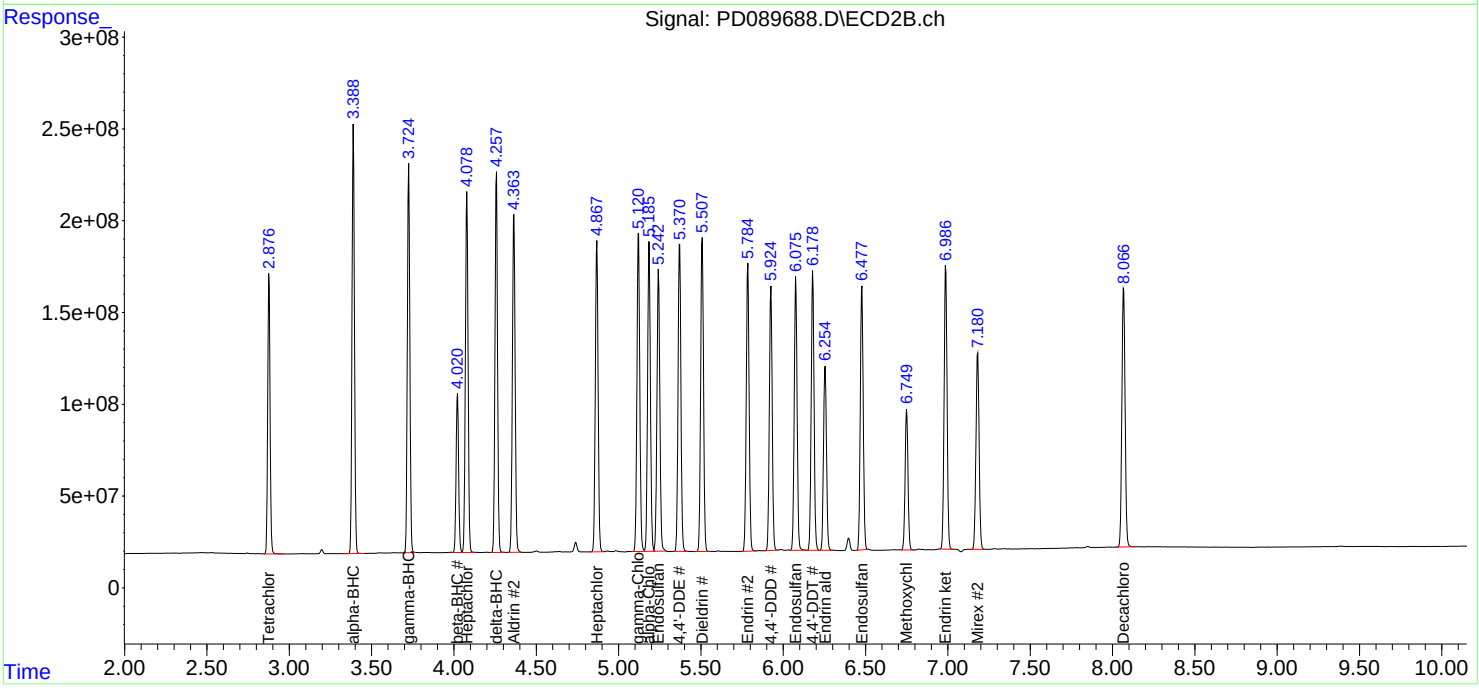
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:47
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

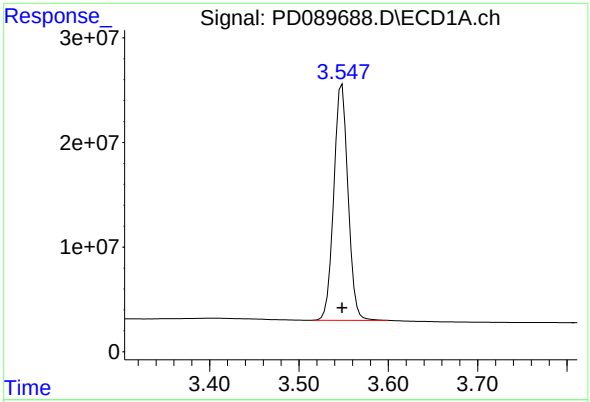
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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 0.25µm



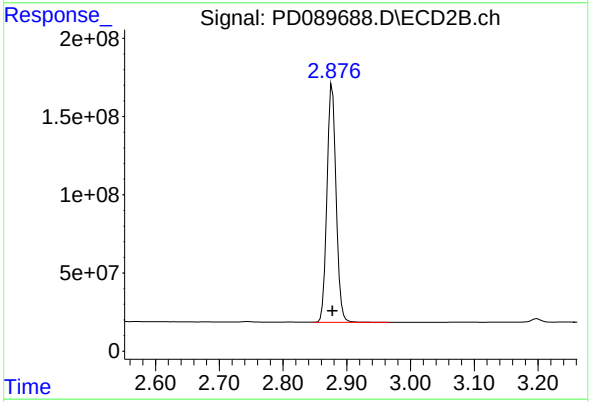




#1 Tetrachloro-m-xylene

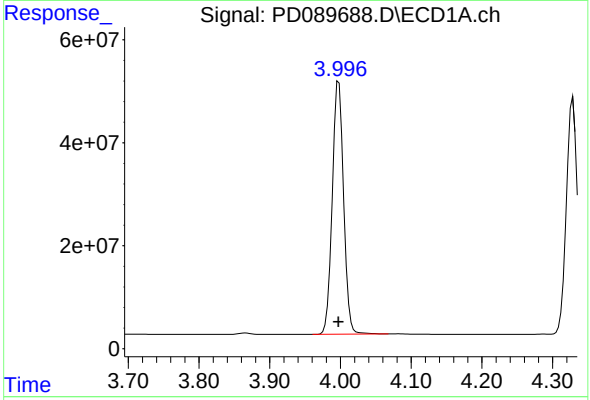
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 250006076
Conc: 101.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



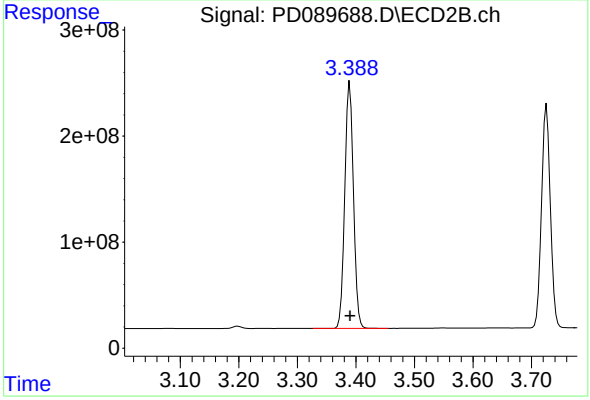
#1 Tetrachloro-m-xylene

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



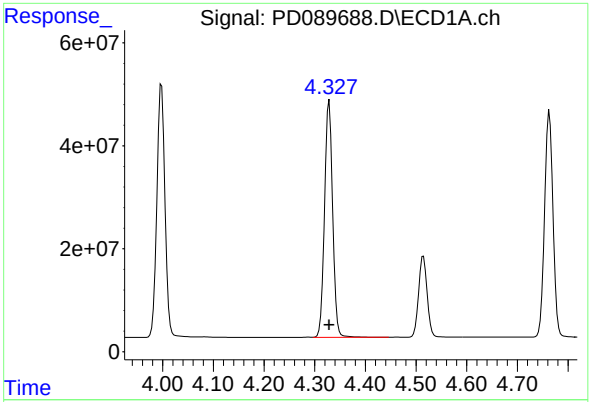
#2 alpha-BHC

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



#2 alpha-BHC

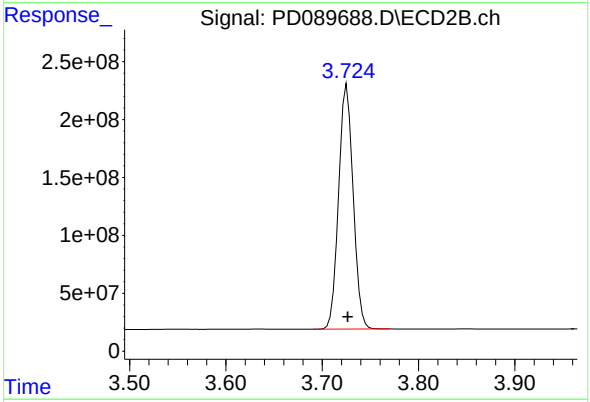
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 2388078161
Conc: 99.62 ng/ml



#3 gamma-BHC (Lindane)

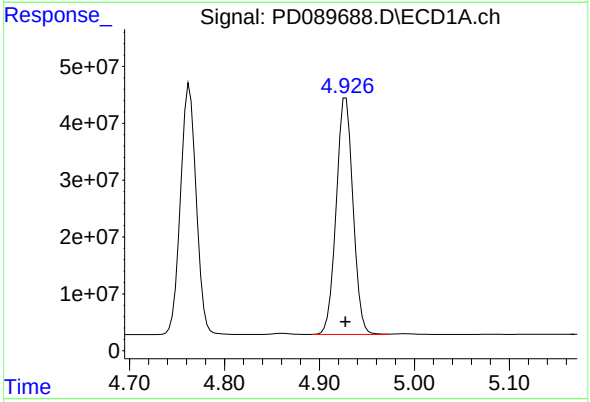
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 513364856
Conc: 106.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



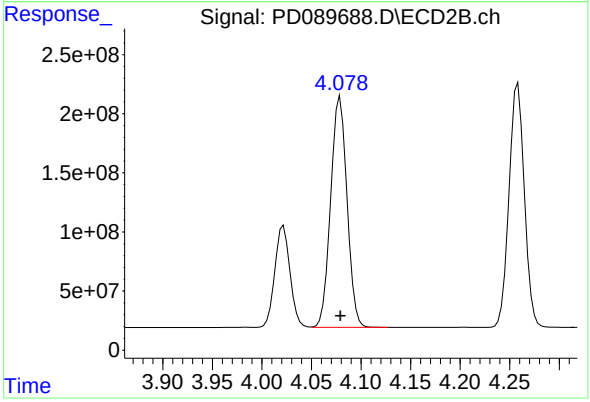
#3 gamma-BHC (Lindane)

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



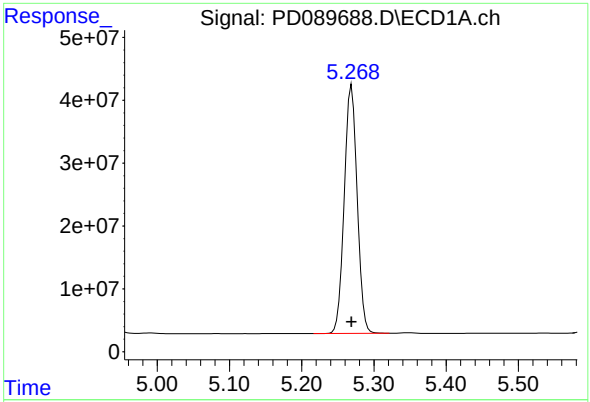
#4 Heptachlor

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



#4 Heptachlor

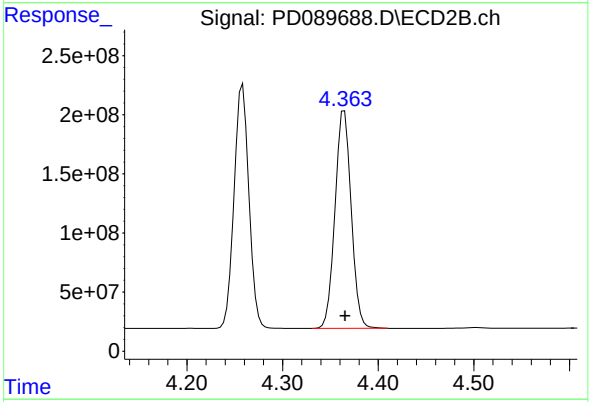
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 2240709594
Conc: 98.57 ng/ml



#5 Aldrin

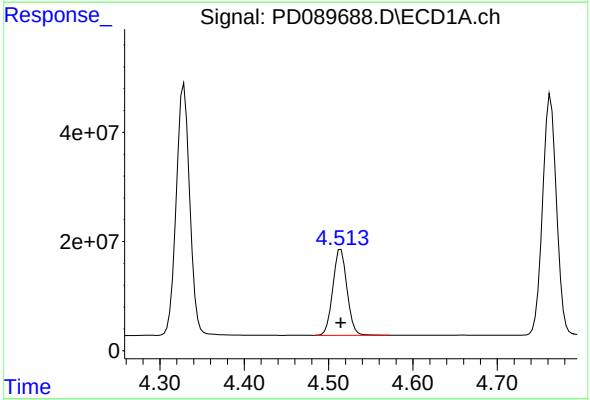
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 487536345
Conc: 105.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



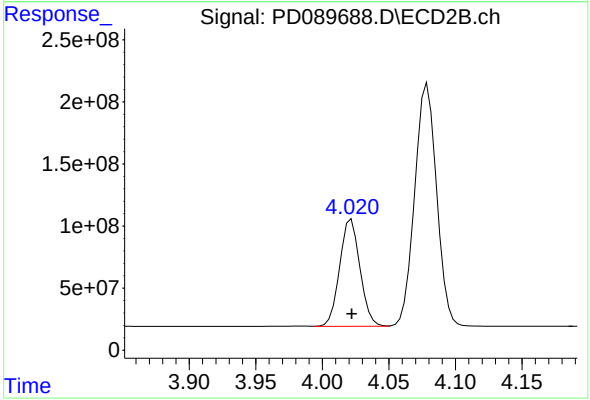
#5 Aldrin

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



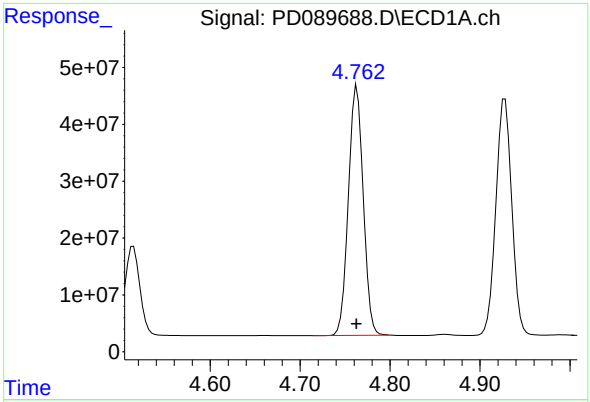
#6 beta-BHC

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



#6 beta-BHC

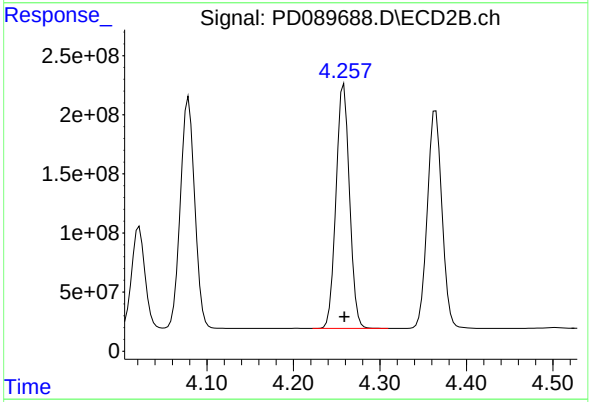
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 915787339
Conc: 97.41 ng/ml



#7 delta-BHC

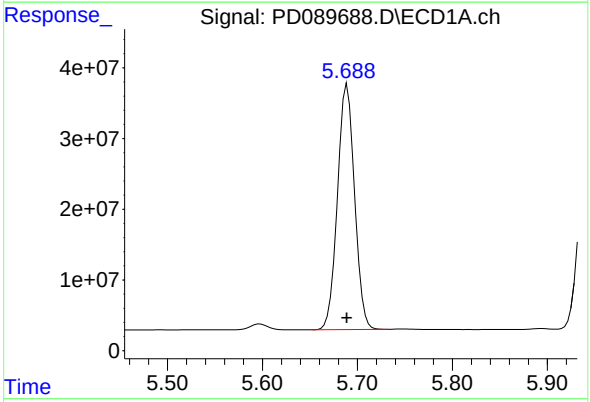
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 503328125
Conc: 107.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



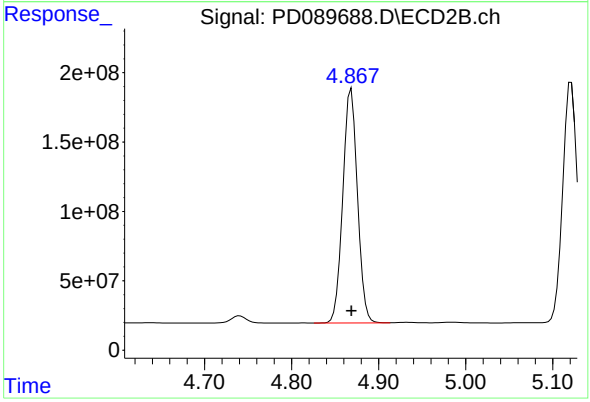
#7 delta-BHC

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



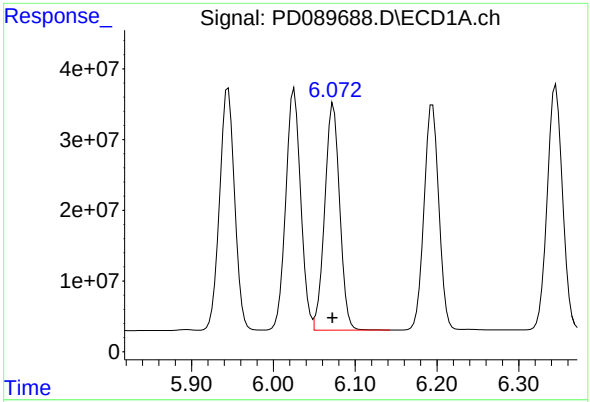
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

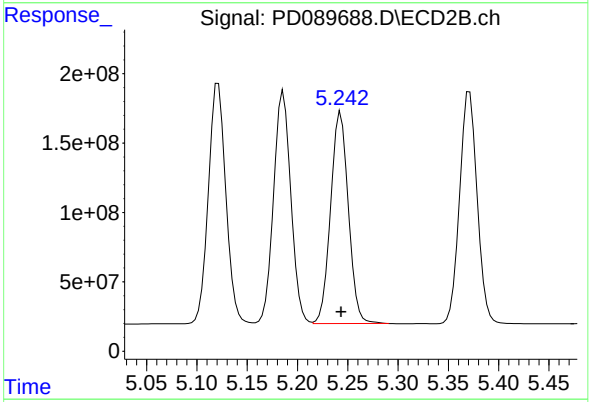
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1971159575
Conc: 98.09 ng/ml



#9 Endosulfan I

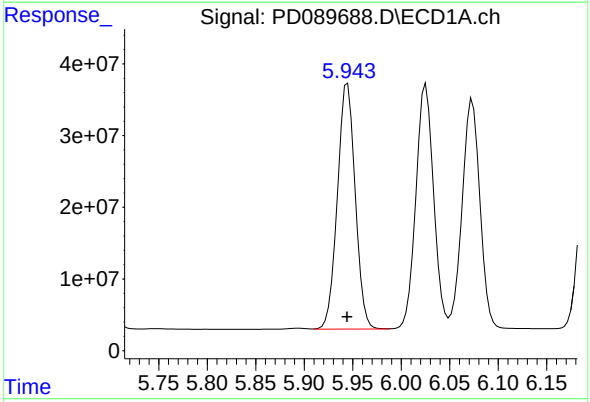
R.T.: 6.073 min
Delta R.T.: 0.001 min
Response: 408792357
Conc: 103.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



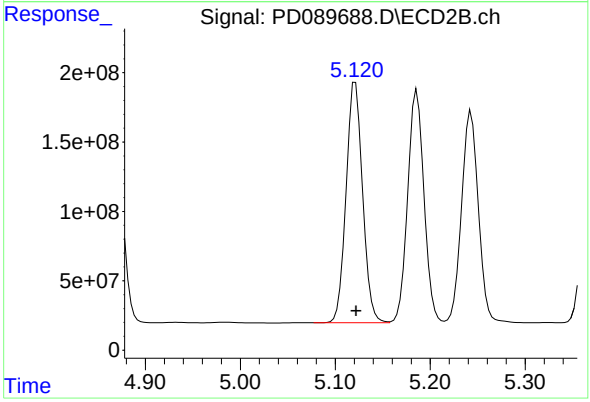
#9 Endosulfan I

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



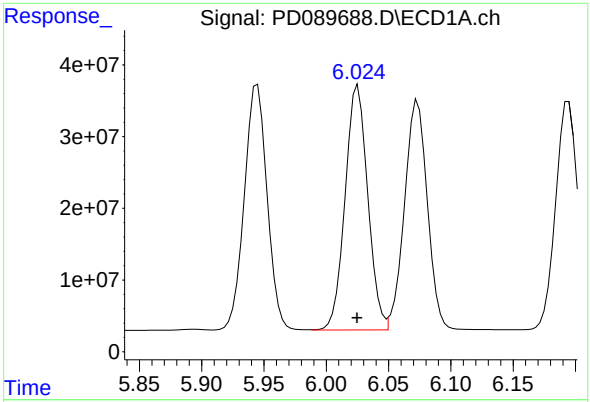
#10 gamma-Chlordane

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



#10 gamma-Chlordane

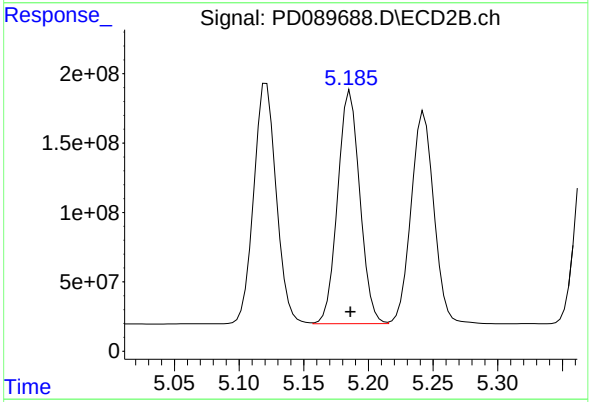
R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 2093942613
Conc: 98.85 ng/ml



#11 alpha-Chlordane

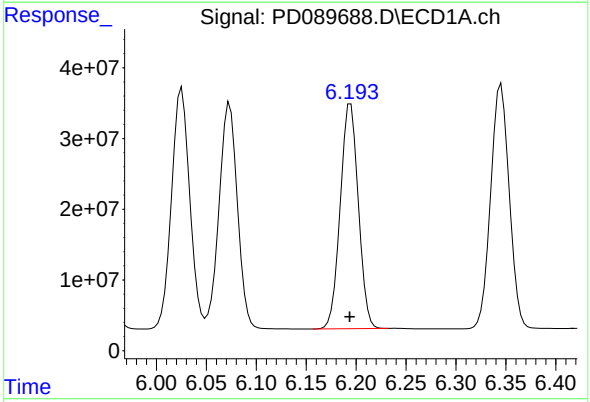
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 433422709
Conc: 103.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



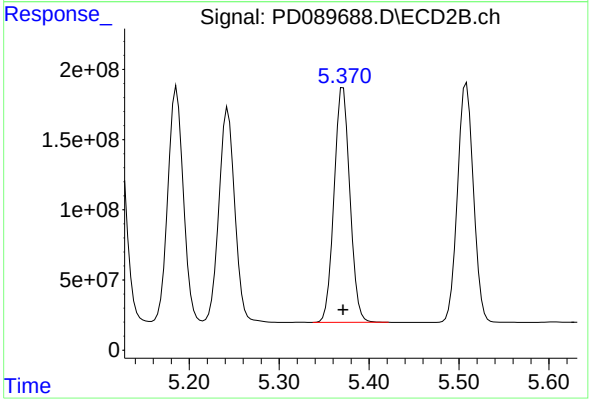
#11 alpha-Chlordane

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



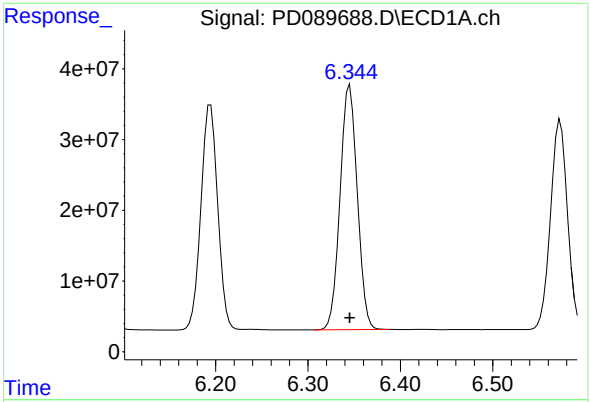
#12 4,4'-DDE

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



#12 4,4'-DDE

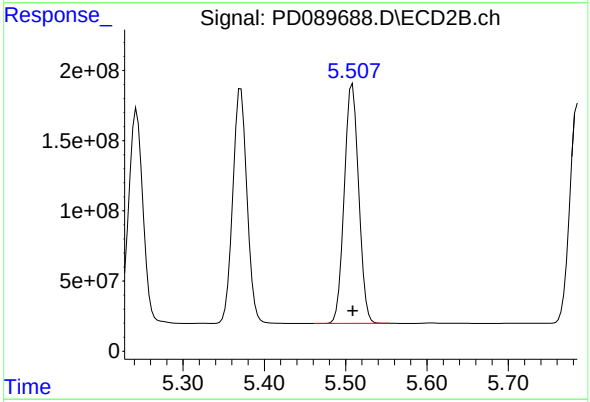
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 2043086019
Conc: 98.54 ng/ml



#13 Dieldrin

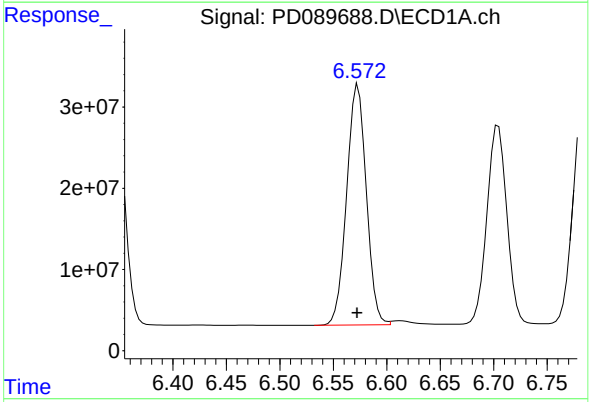
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 448217578
Conc: 105.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



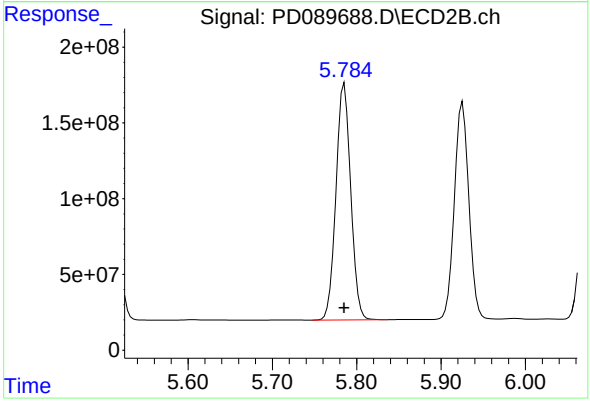
#13 Dieldrin

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



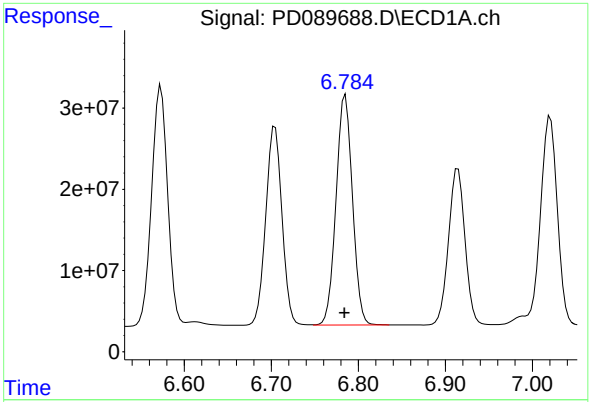
#14 Endrin

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



#14 Endrin

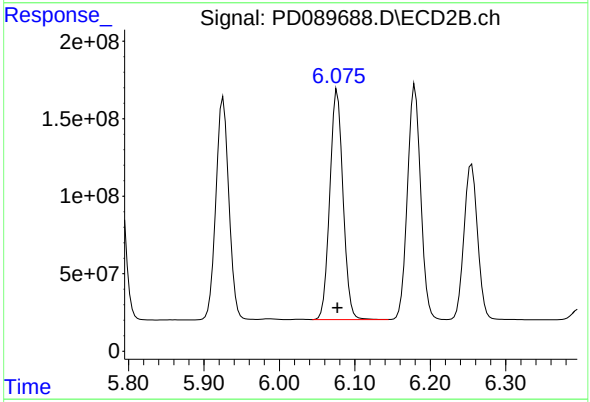
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1895575350
Conc: 97.72 ng/ml



#15 Endosulfan II

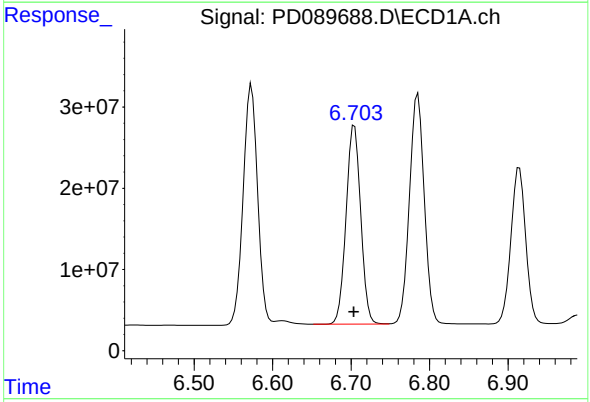
R.T.: 6.785 min
Delta R.T.: 0.001 min
Response: 370721784
Conc: 102.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



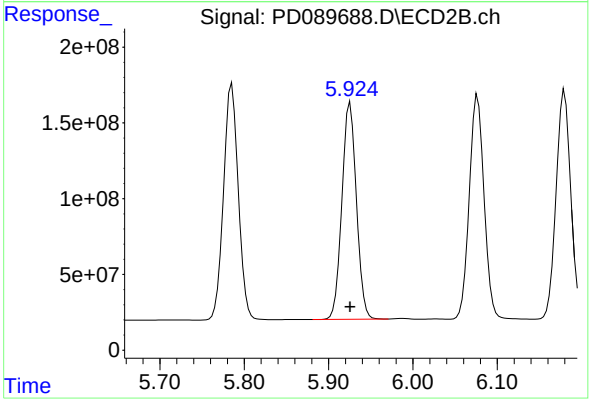
#15 Endosulfan II

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



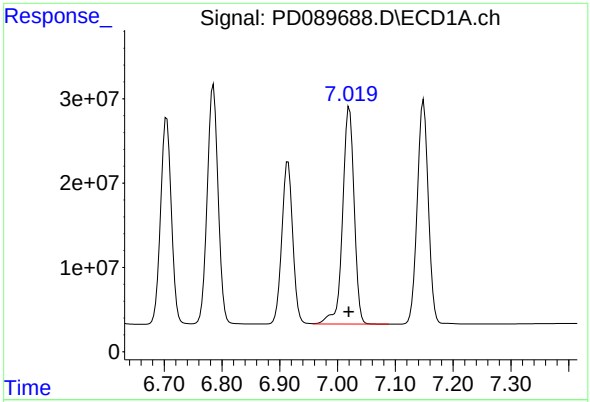
#16 4,4'-DDD

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



#16 4,4'-DDD

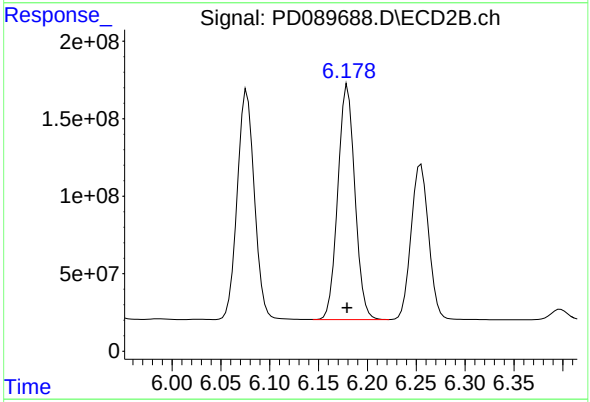
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 1713443225
Conc: 98.73 ng/ml



#17 4,4'-DDT

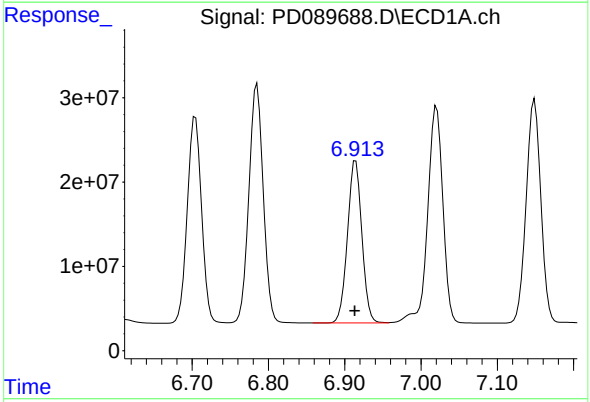
R.T.: 7.020 min
Delta R.T.: 0.001 min
Response: 354806849
Conc: 105.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



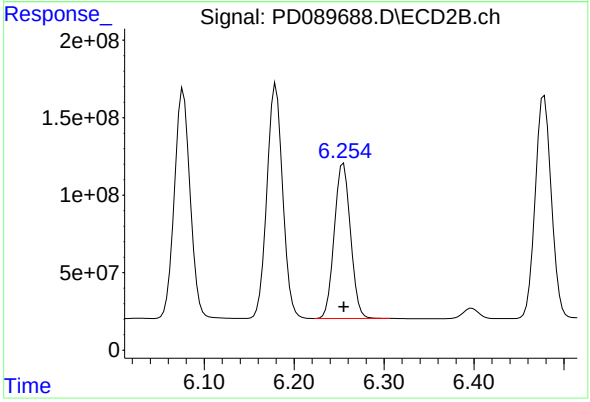
#17 4,4'-DDT

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



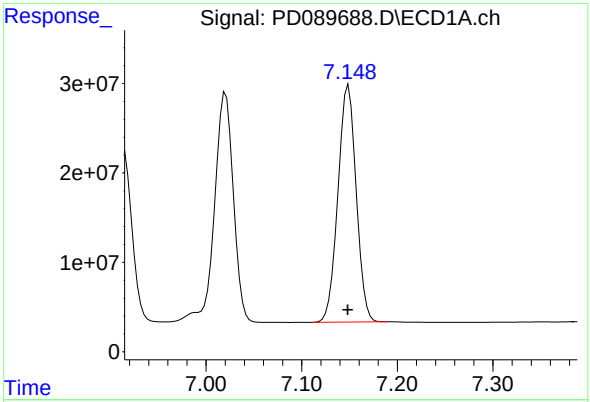
#18 Endrin aldehyde

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



#18 Endrin aldehyde

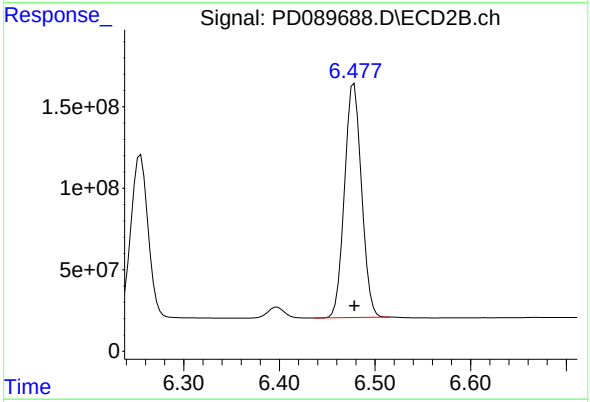
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 1252876156
Conc: 98.55 ng/ml



#19 Endosulfan Sulfate

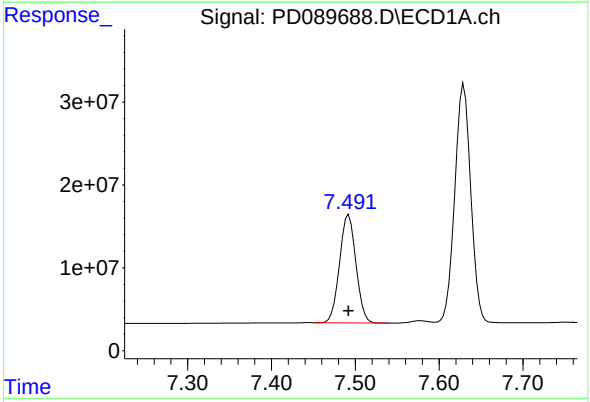
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 352046271
Conc: 102.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



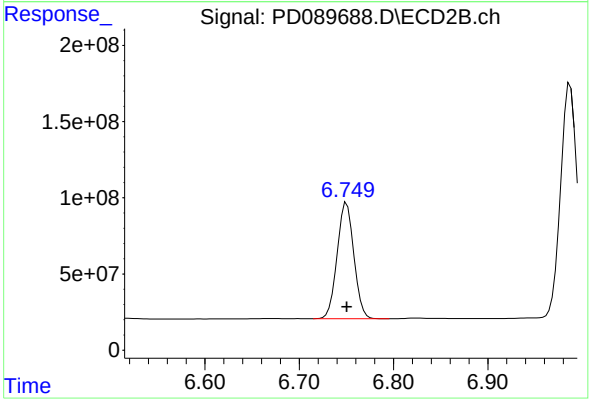
#19 Endosulfan Sulfate

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



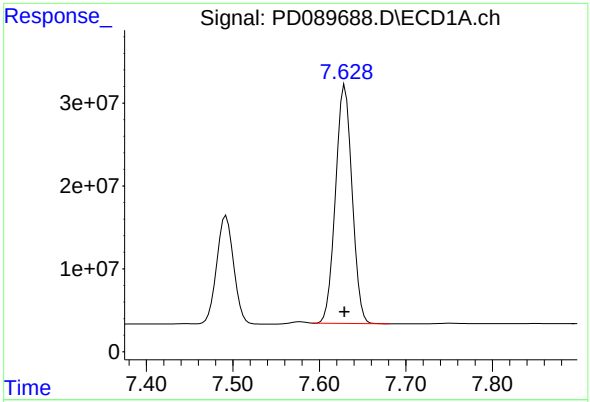
#20 Methoxychlor

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



#20 Methoxychlor

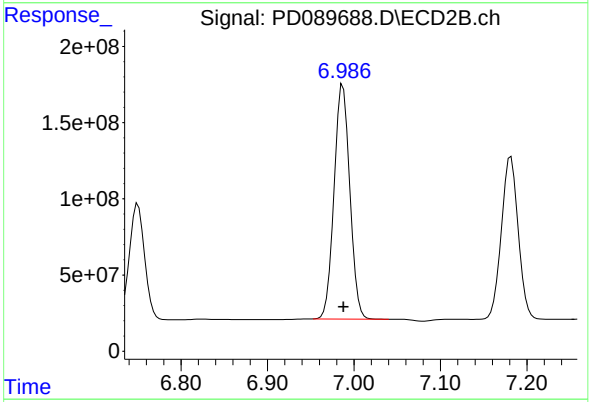
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 941025206
Conc: 96.99 ng/ml



#21 Endrin ketone

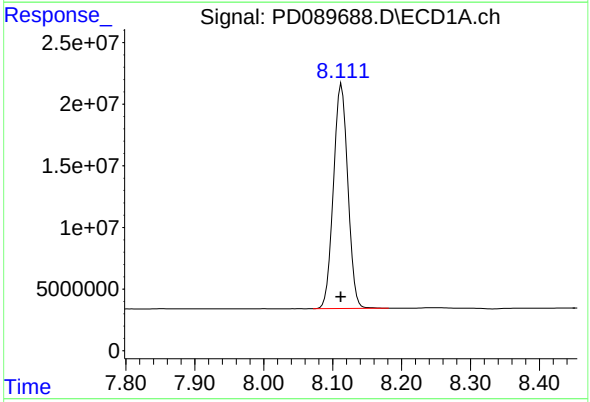
R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 380426726
Conc: 102.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



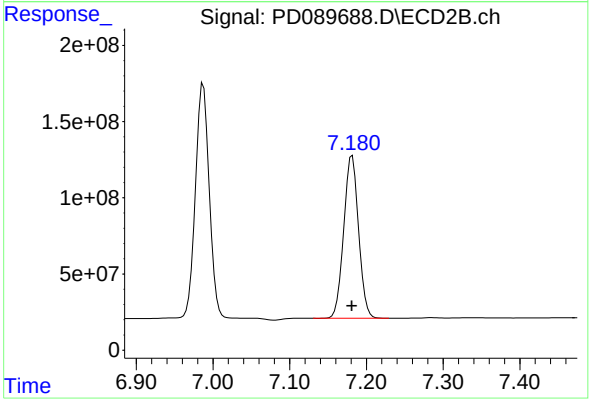
#21 Endrin ketone

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



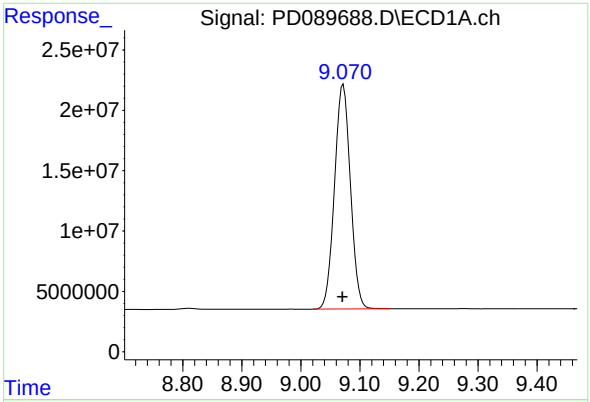
#22 Mirex

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



#22 Mirex

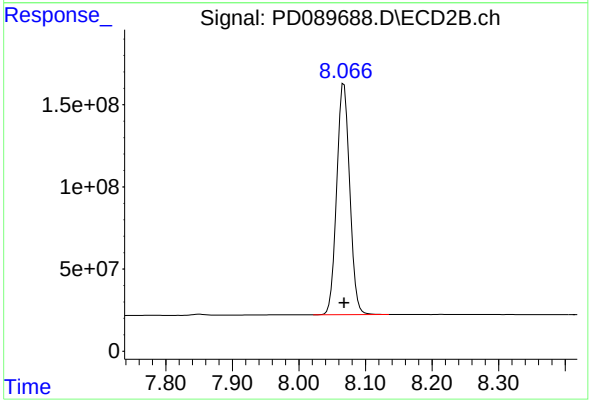
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 1440625493
Conc: 97.17 ng/ml



#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

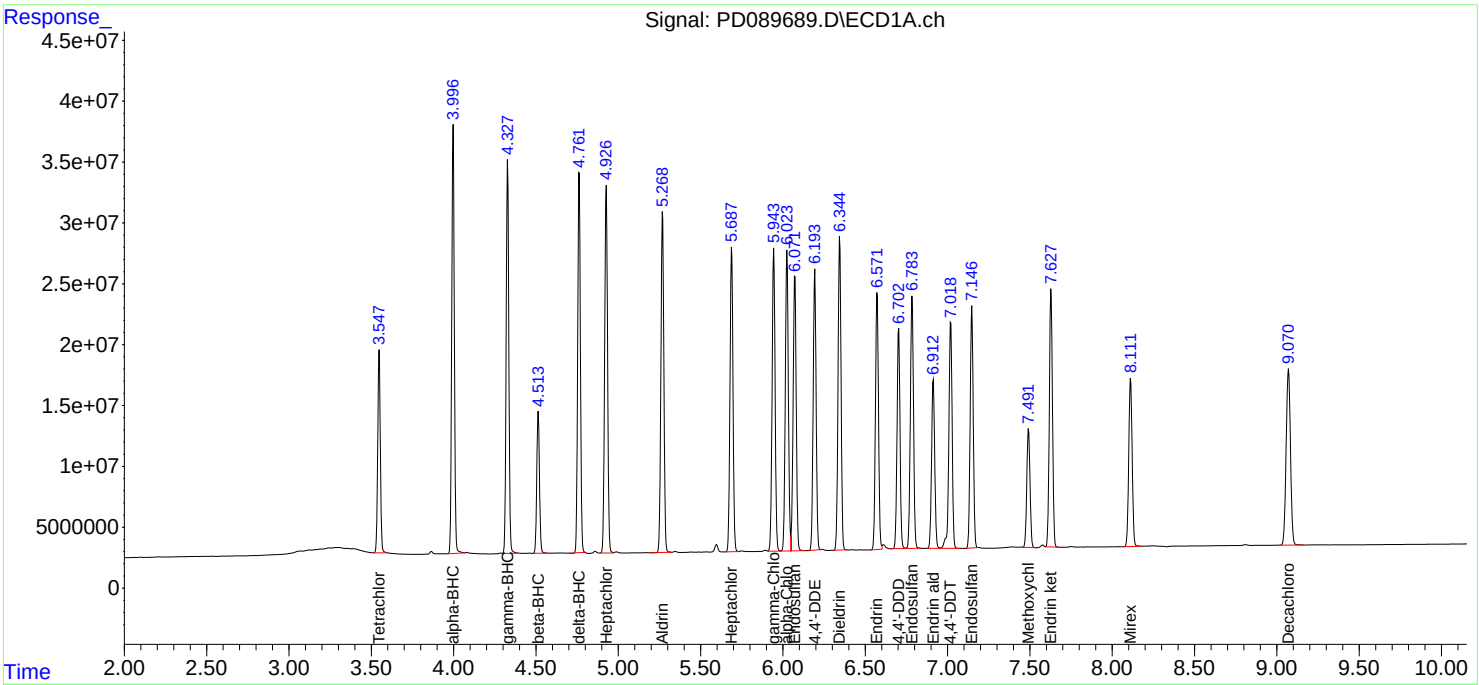
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

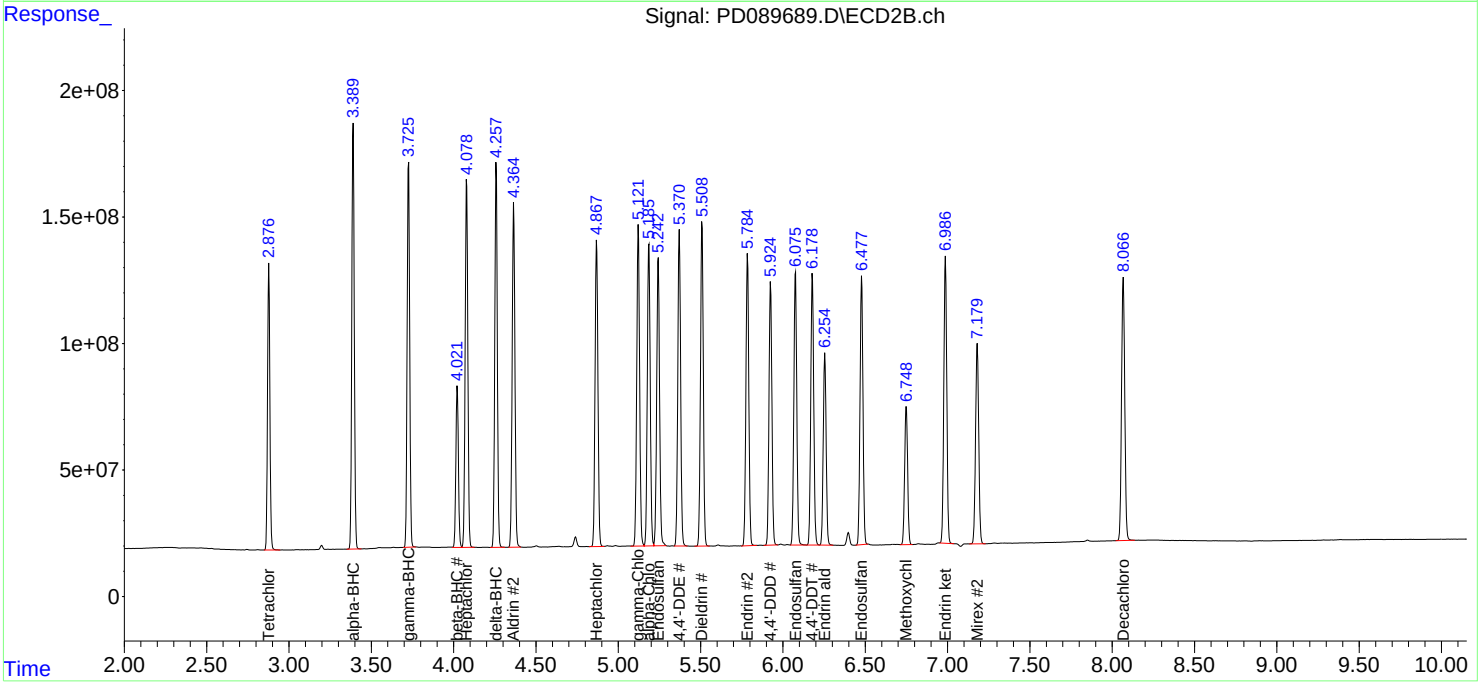
Manual Integrations APPROVED

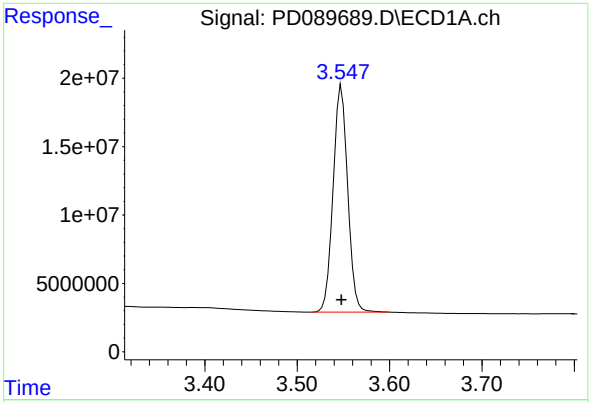
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

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







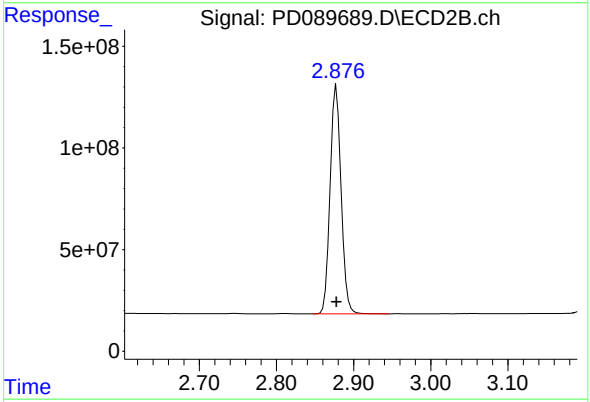
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

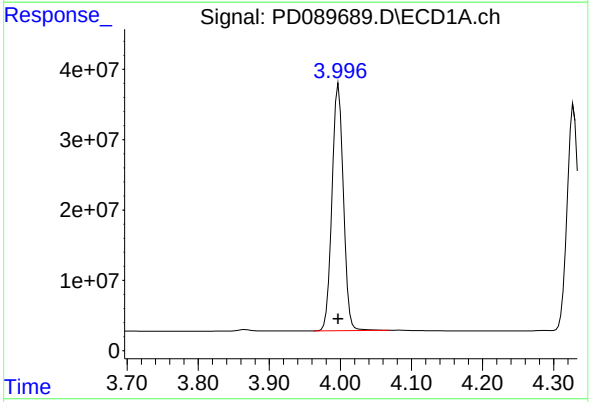
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Supervised By :mohammad ahmed 08/01/2025



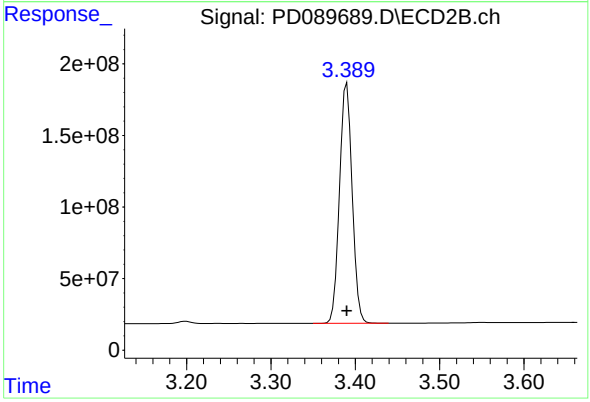
#1 Tetrachloro-m-xylene

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



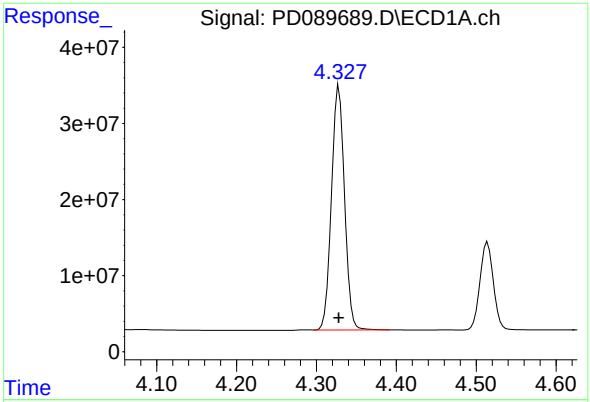
#2 alpha-BHC

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



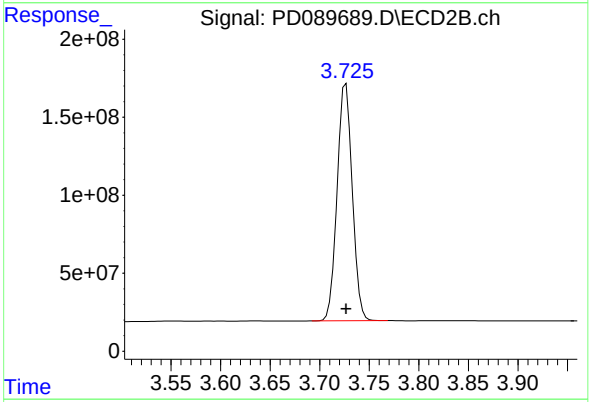
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

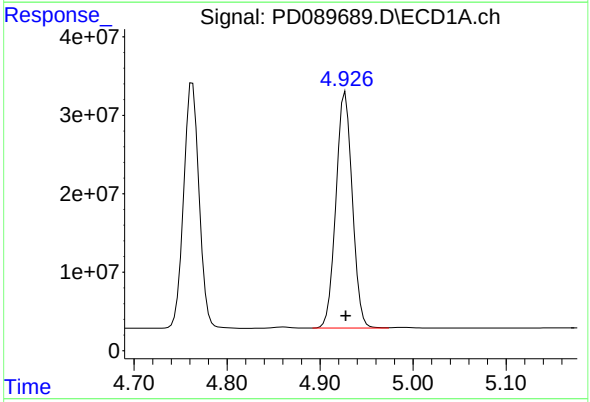
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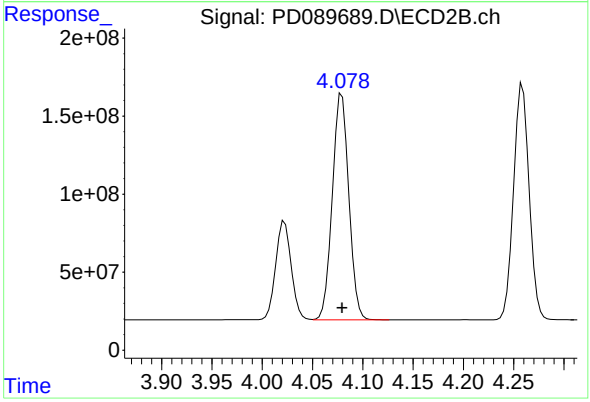
#3 gamma-BHC (Lindane)

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



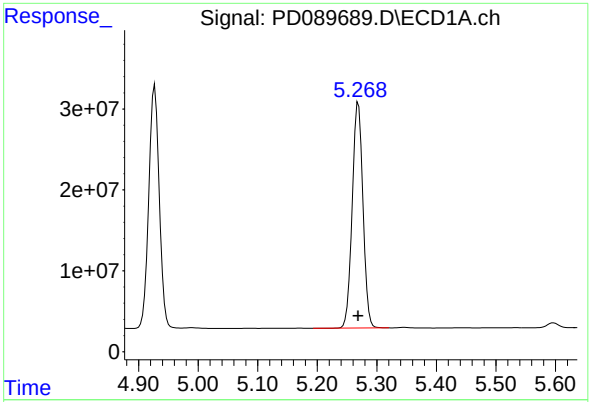
#4 Heptachlor

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



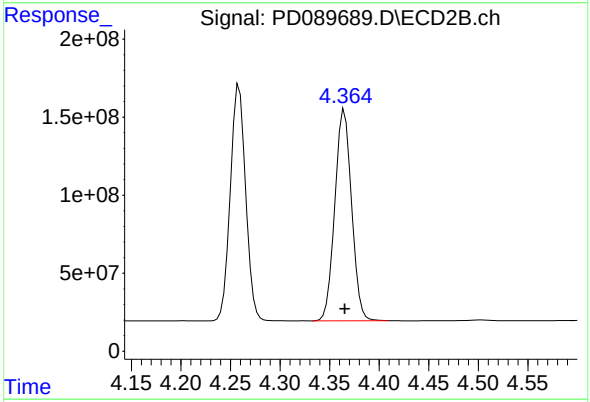
#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

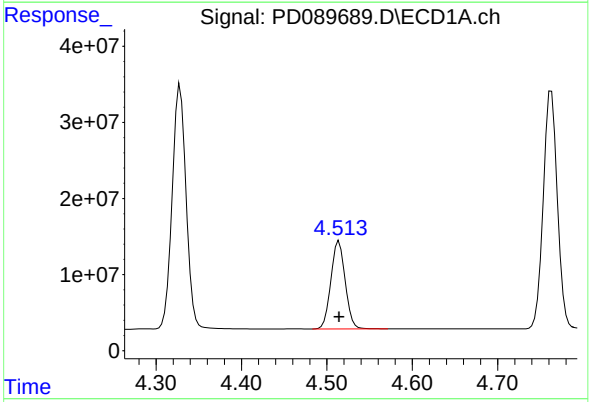
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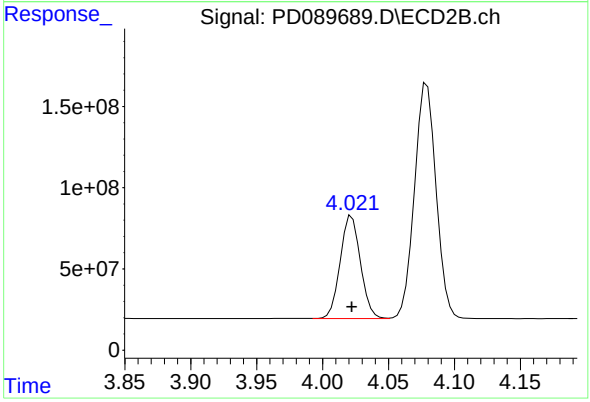
#5 Aldrin

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



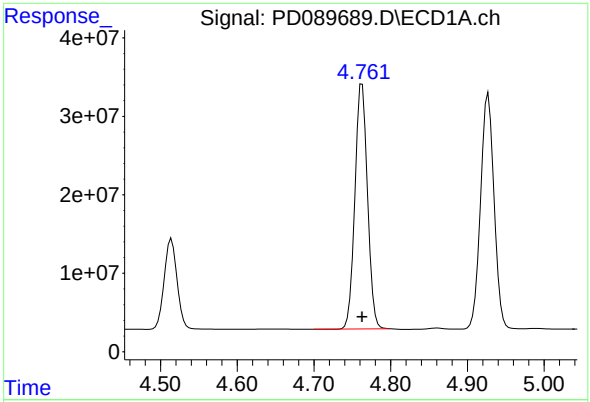
#6 beta-BHC

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



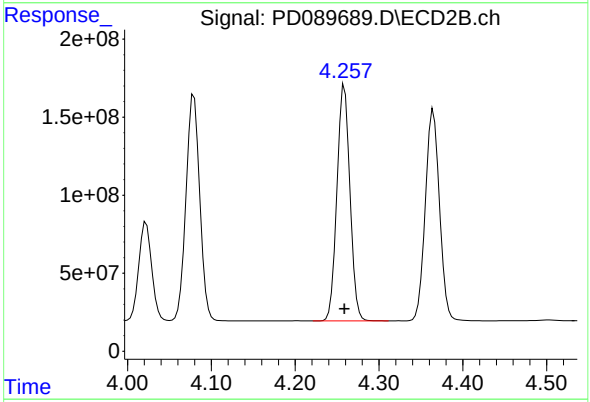
#7 delta-BHC

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

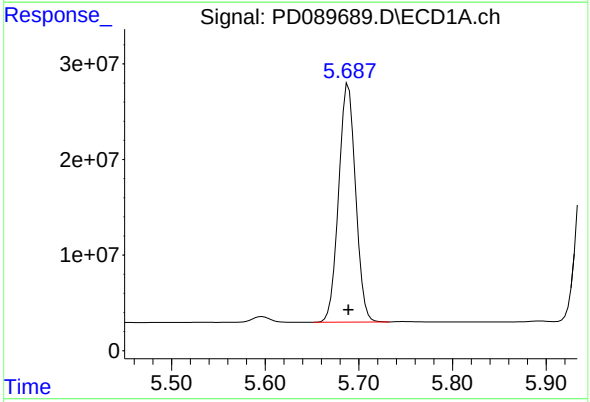
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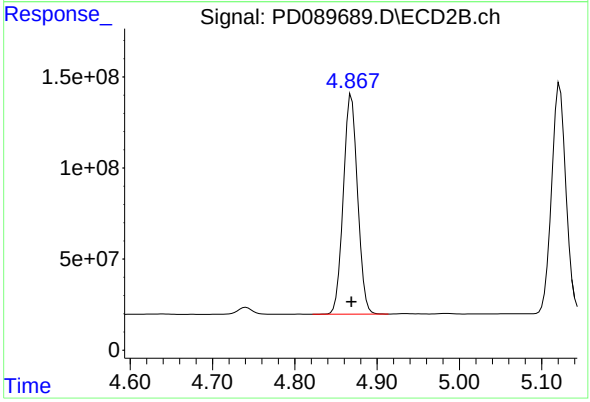
#7 delta-BHC

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



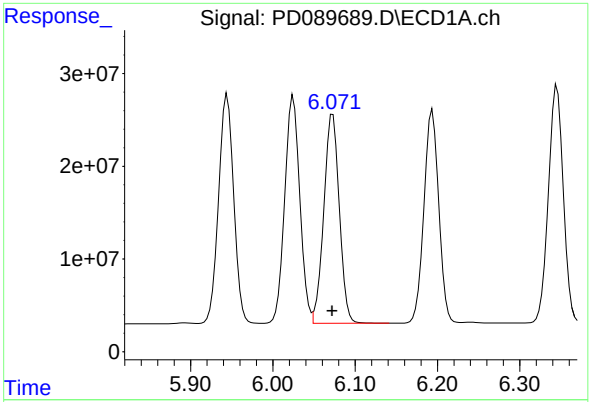
#8 Heptachlor epoxide

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



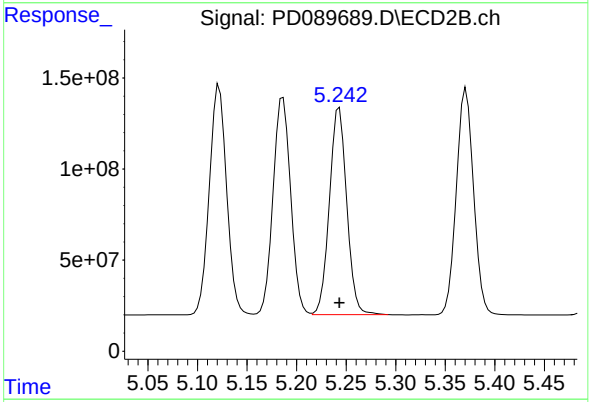
#9 Endosulfan I

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

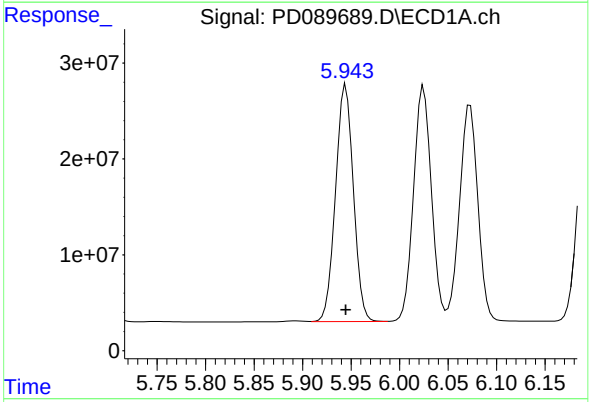
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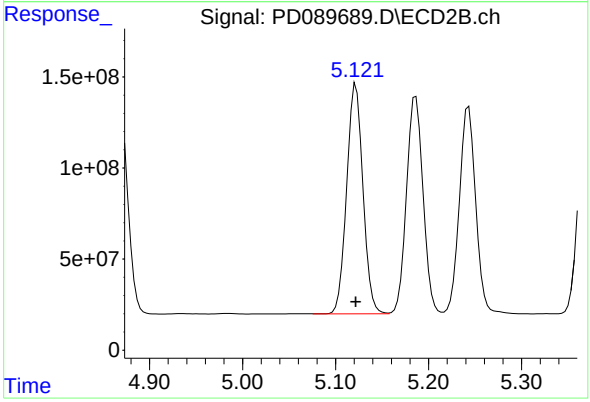
#9 Endosulfan I

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



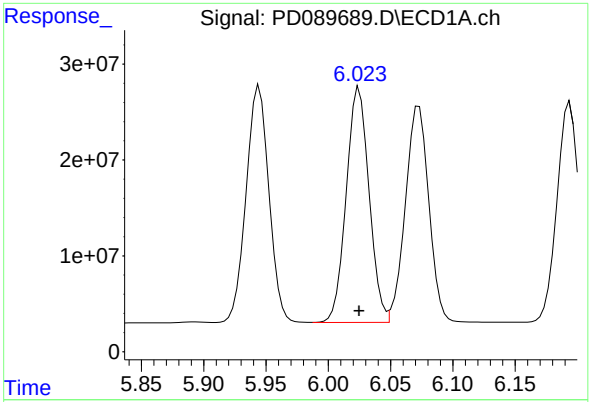
#10 gamma-Chlordane

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



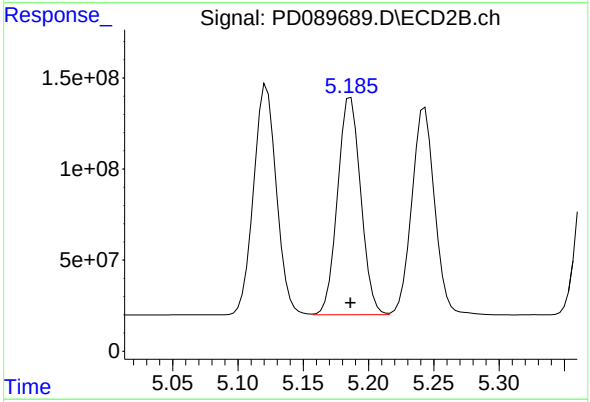
#11 alpha-Chlordane

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

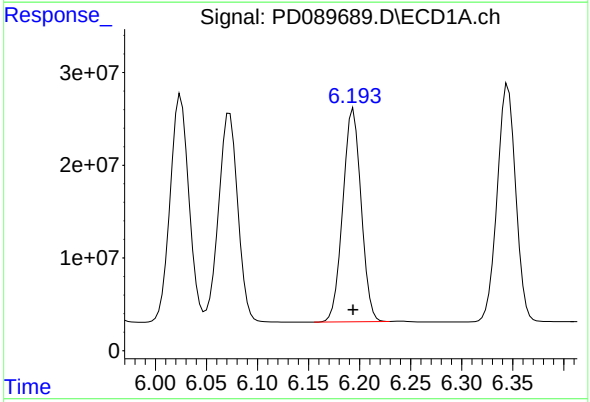
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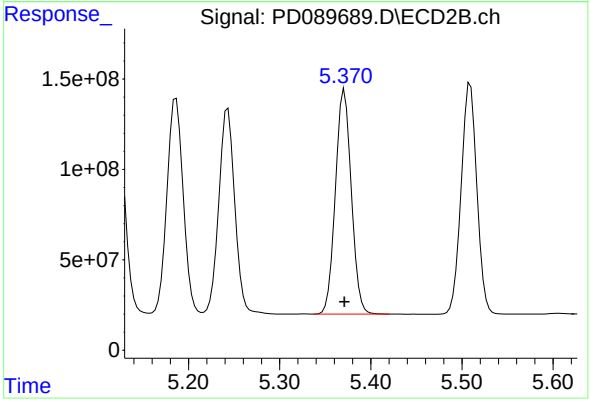
#11 alpha-Chlordane

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



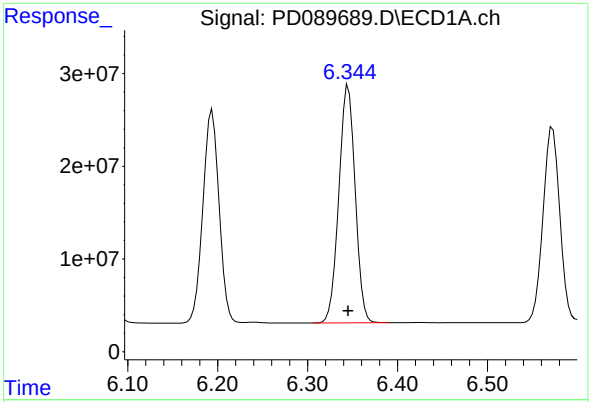
#12 4,4'-DDE

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



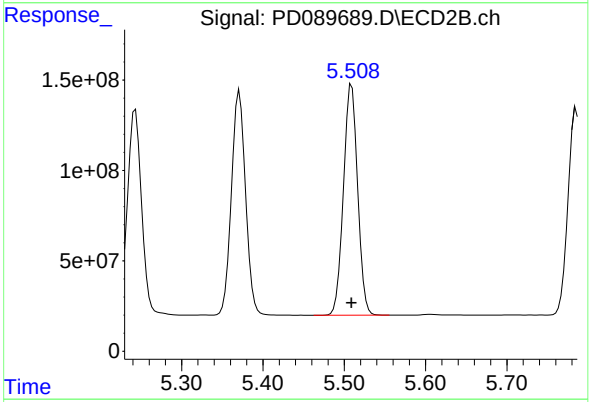
#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

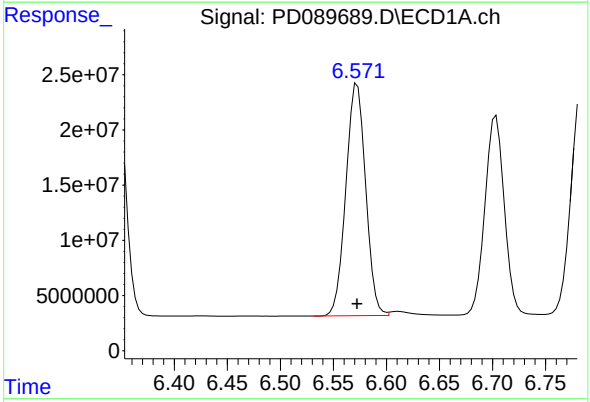
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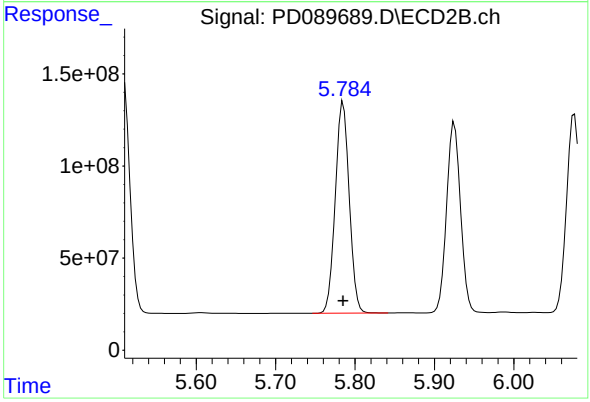
#13 Dieldrin

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



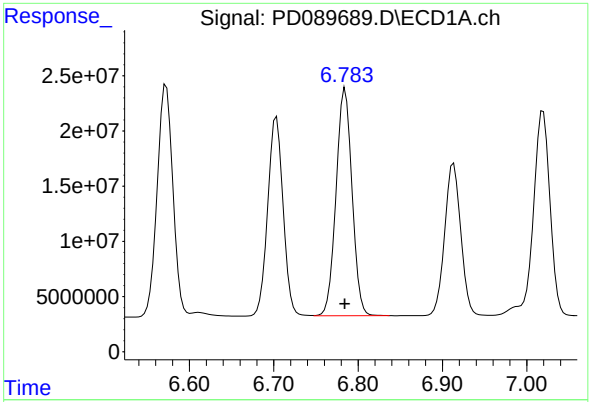
#14 Endrin

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



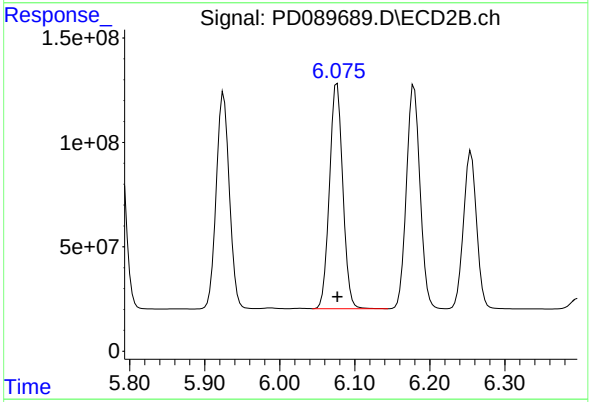
#15 Endosulfan II

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

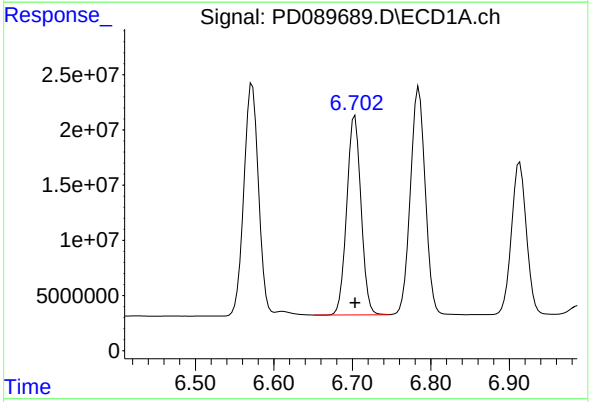
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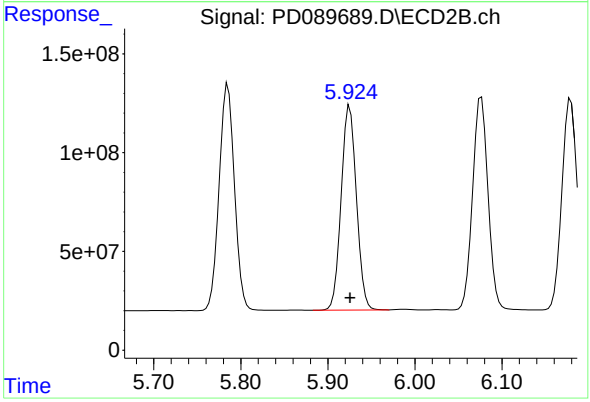
#15 Endosulfan II

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



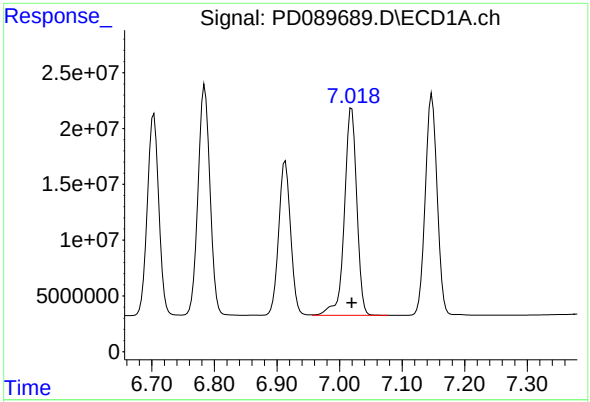
#16 4,4'-DDD

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



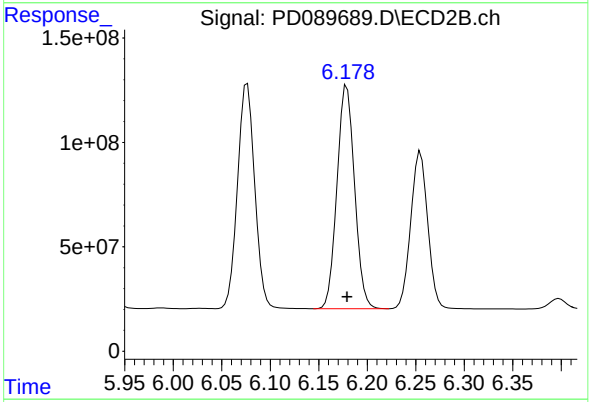
#17 4,4'-DDT

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

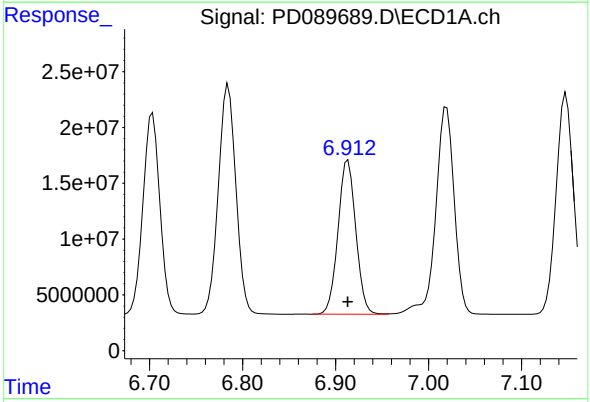
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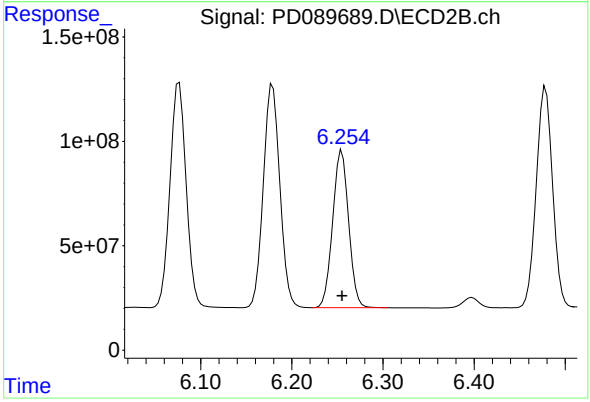
#17 4,4'-DDT

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



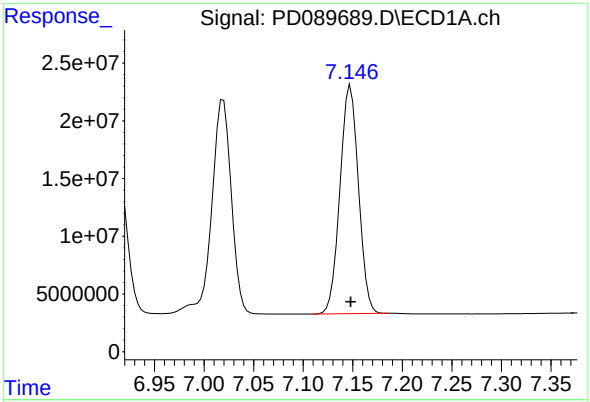
#18 Endrin aldehyde

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



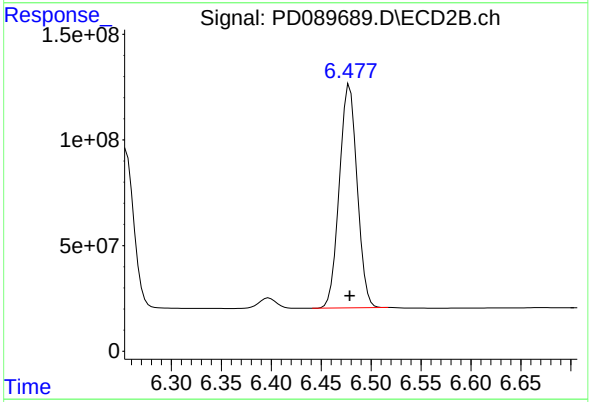
#19 Endosulfan Sulfate

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

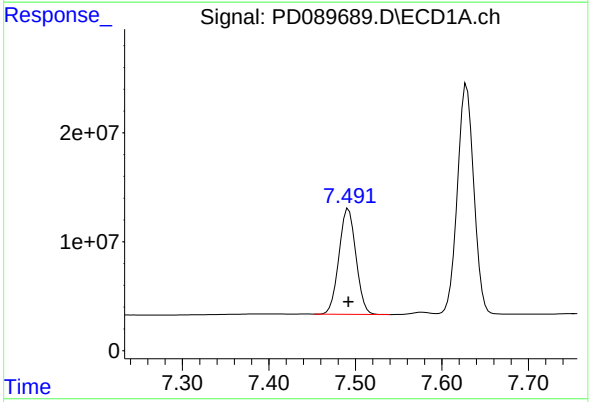
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Supervised By :mohammad ahmed 08/01/2025



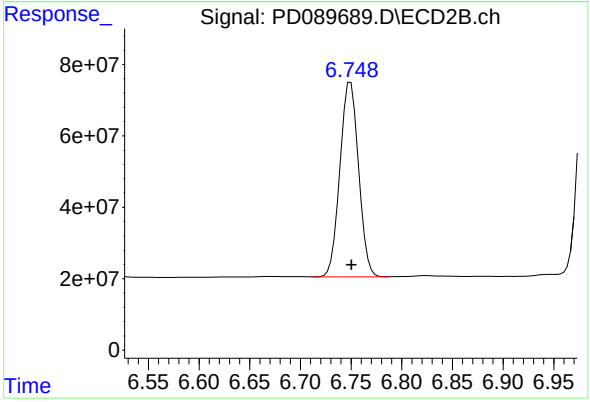
#19 Endosulfan Sulfate

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



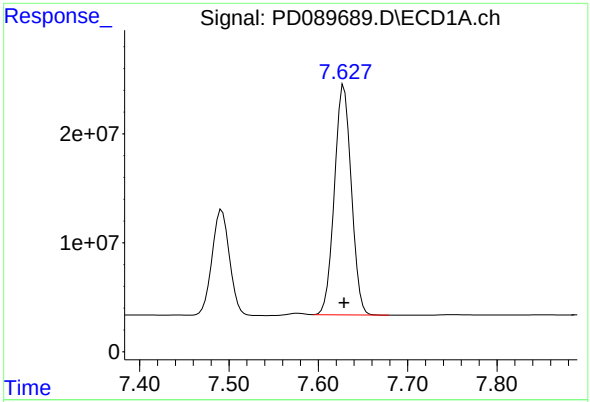
#20 Methoxychlor

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



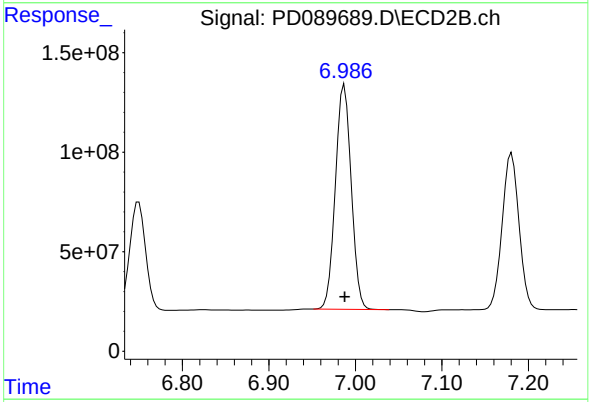
#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

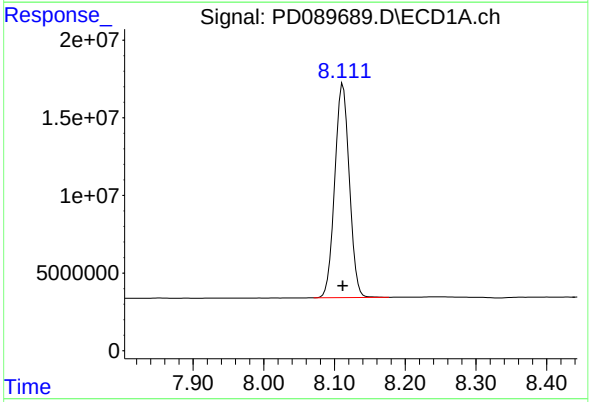
Manual Integrations APPROVED

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



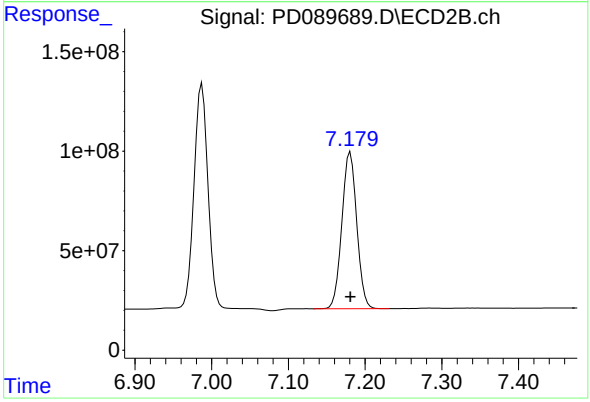
#21 Endrin ketone

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



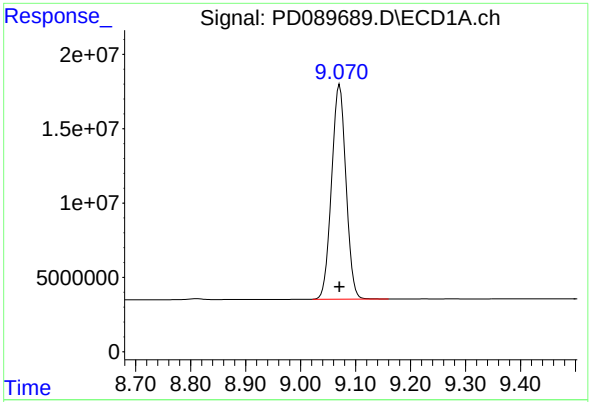
#22 Mirex

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



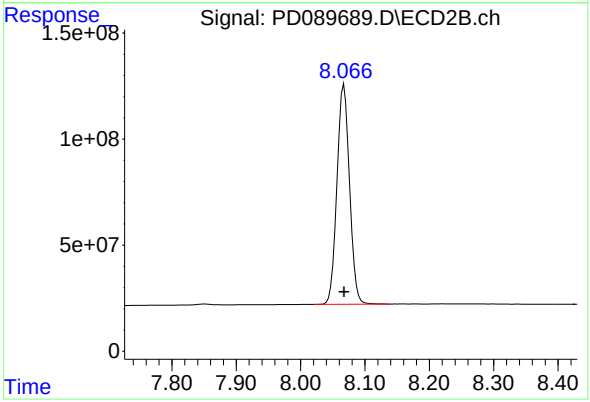
#28 Decachlorobiphenyl

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

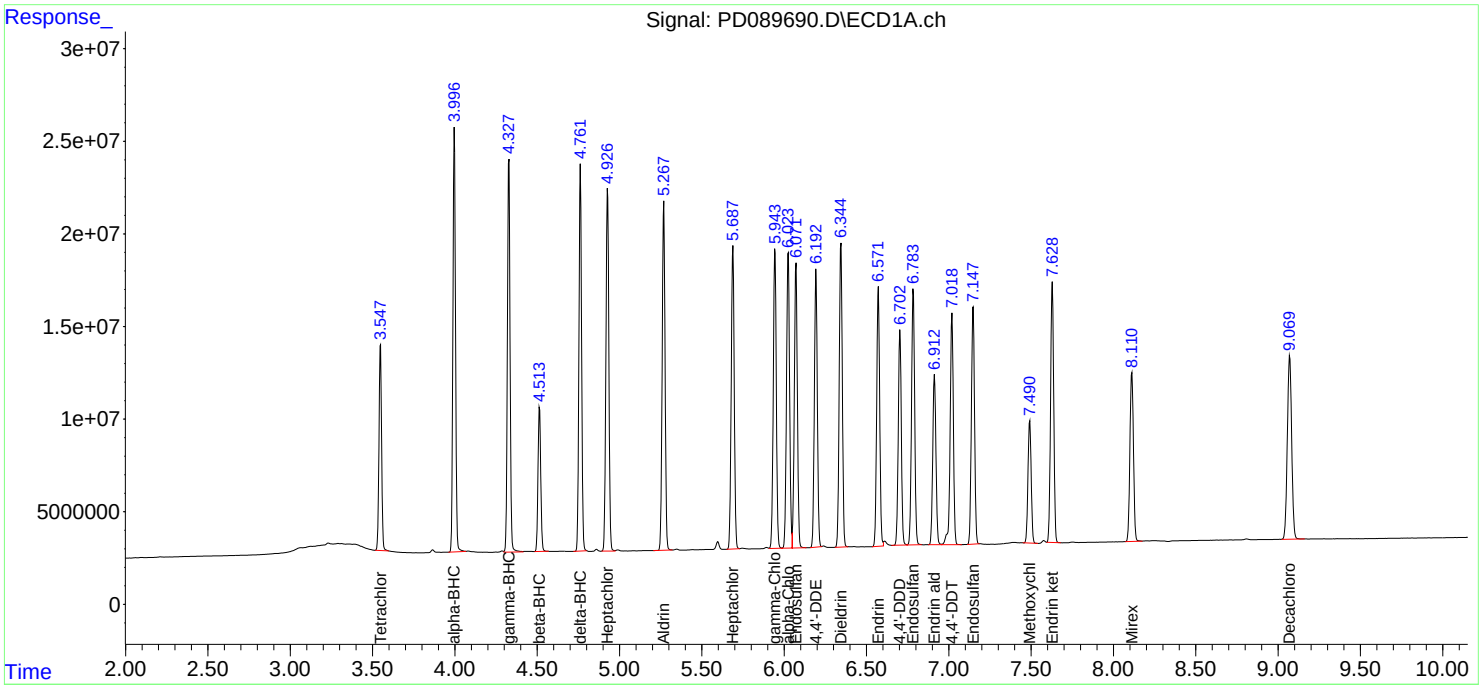
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

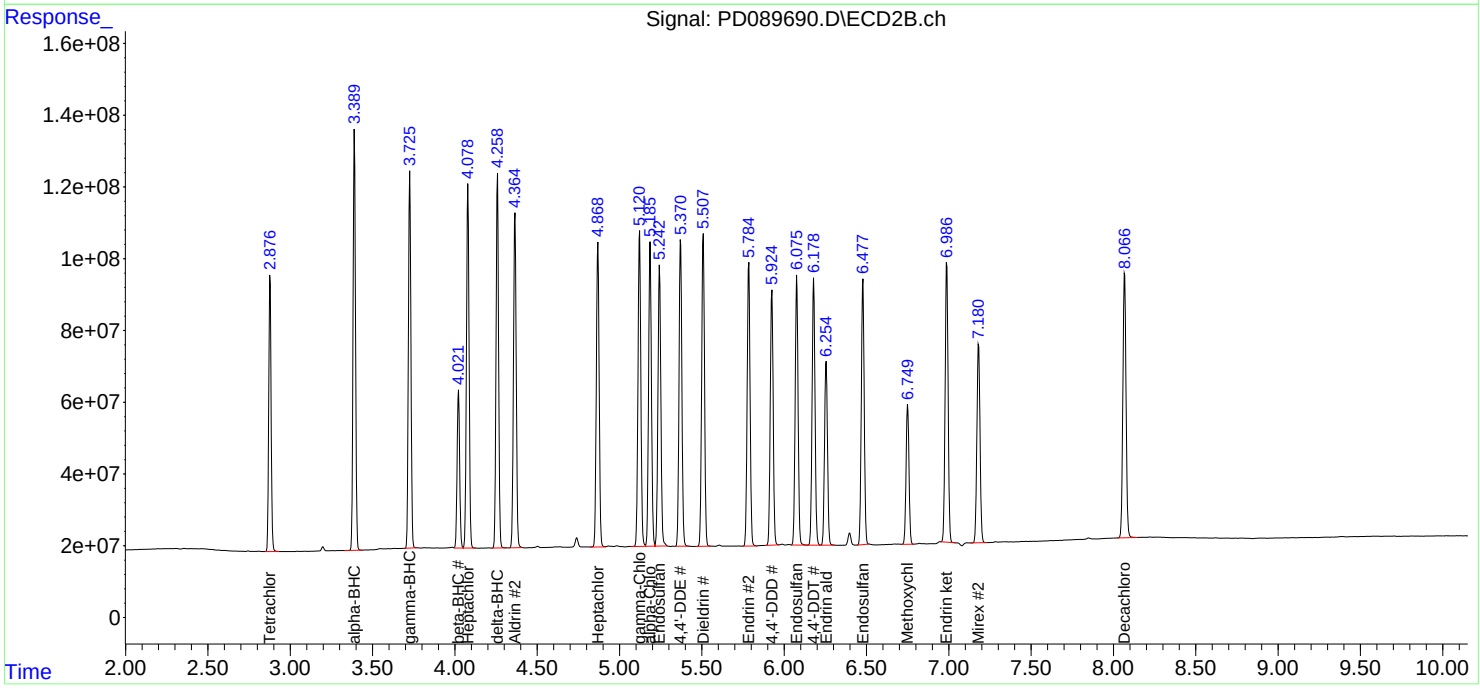
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:14
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

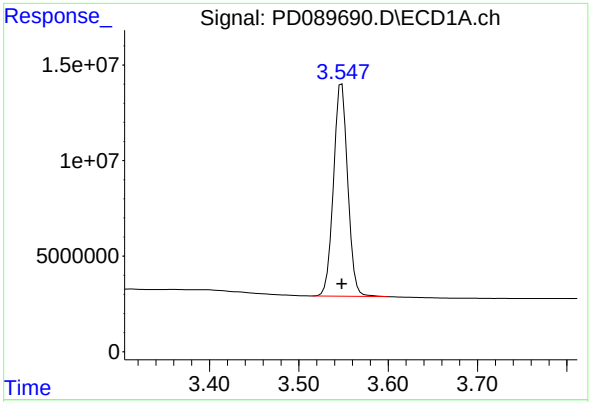
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

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



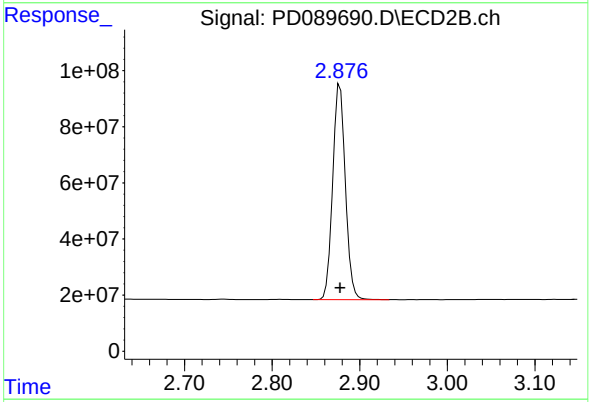




#1 Tetrachloro-m-xylene

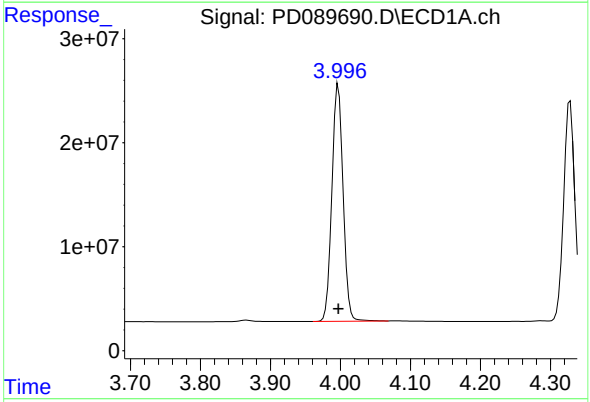
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 122830086
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



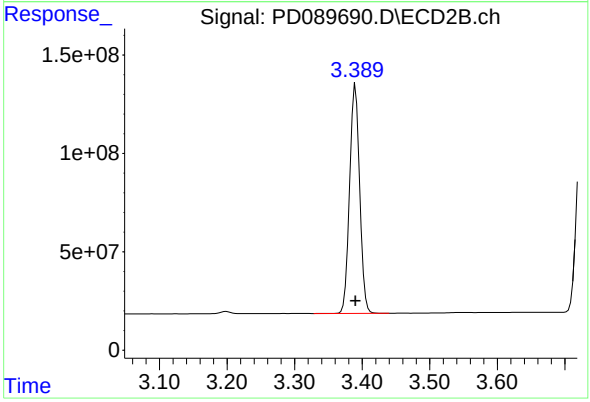
#1 Tetrachloro-m-xylene

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



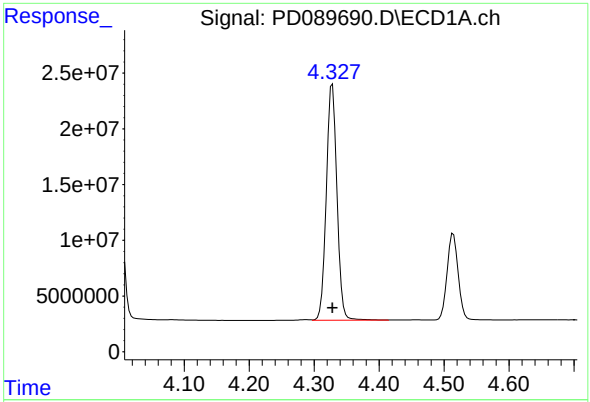
#2 alpha-BHC

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



#2 alpha-BHC

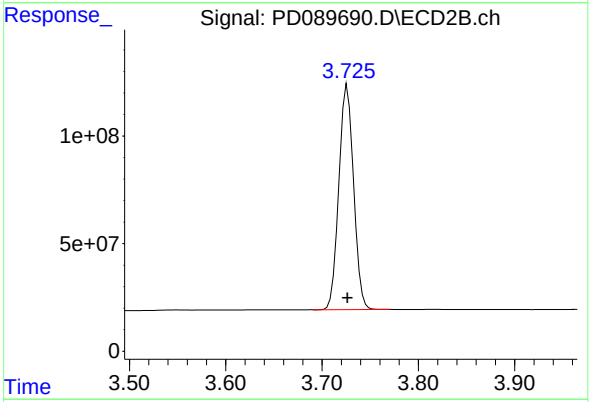
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1198641970
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

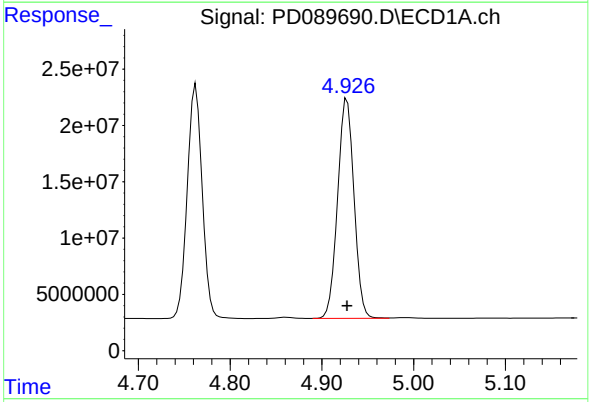
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 241073823
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



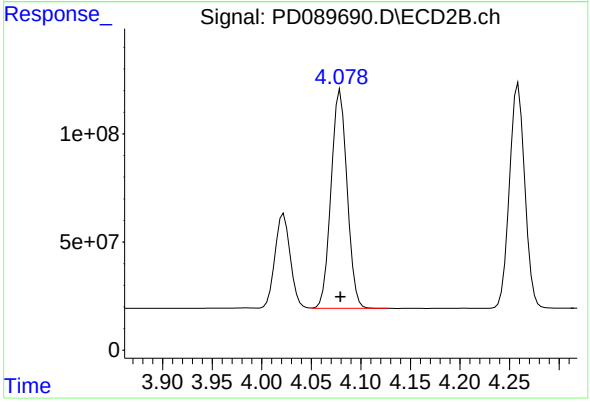
#3 gamma-BHC (Lindane)

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



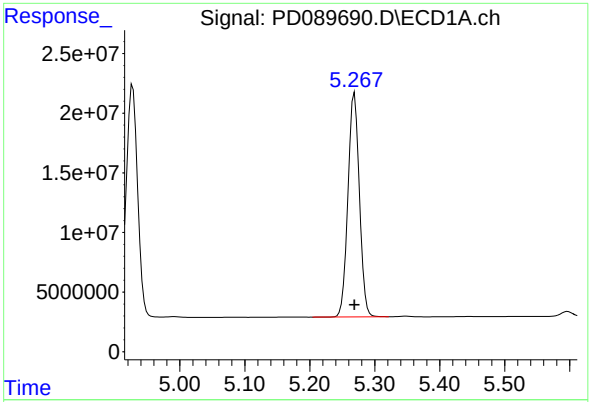
#4 Heptachlor

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



#4 Heptachlor

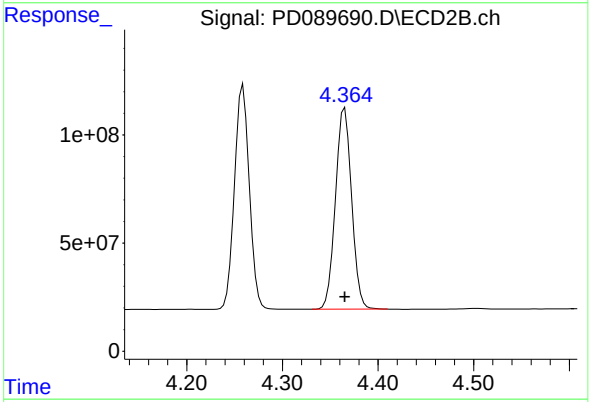
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1136591329
Conc: 50.00 ng/ml



#5 Aldrin

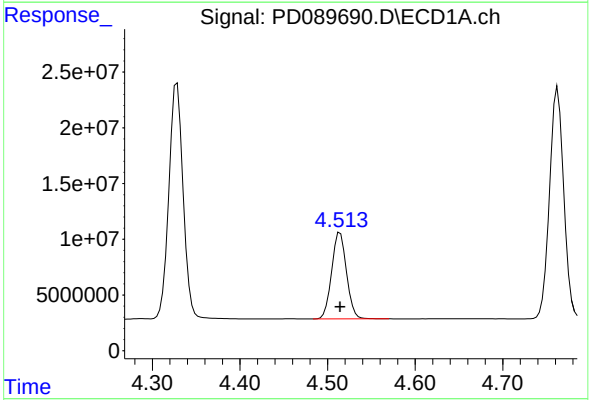
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 230092896
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



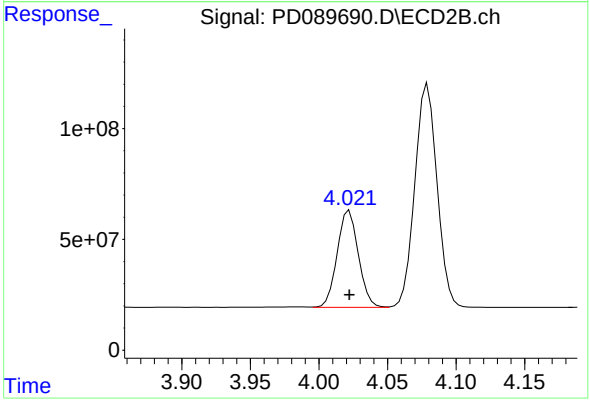
#5 Aldrin

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



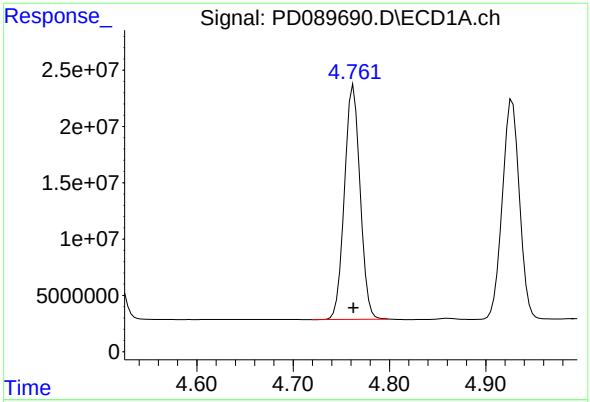
#6 beta-BHC

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



#6 beta-BHC

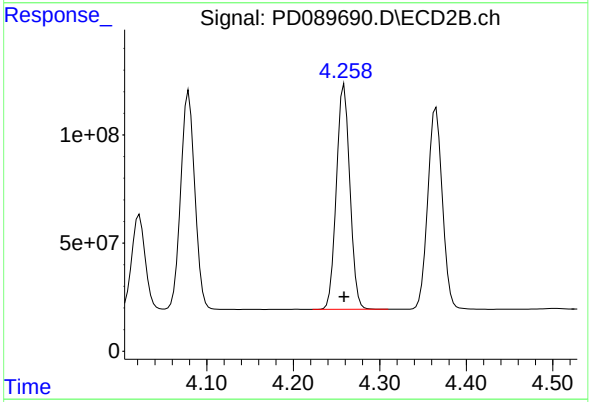
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 470081882
Conc: 50.00 ng/ml



#7 delta-BHC

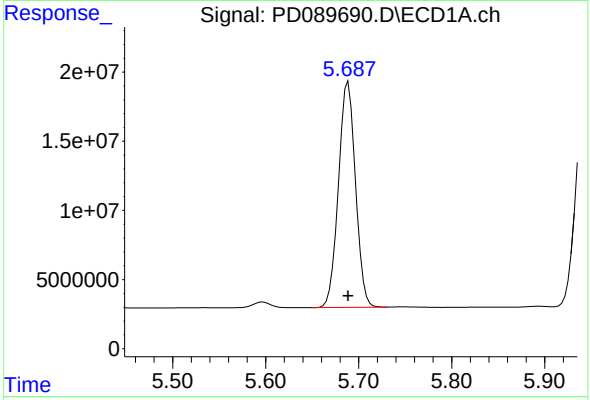
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 233839420
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



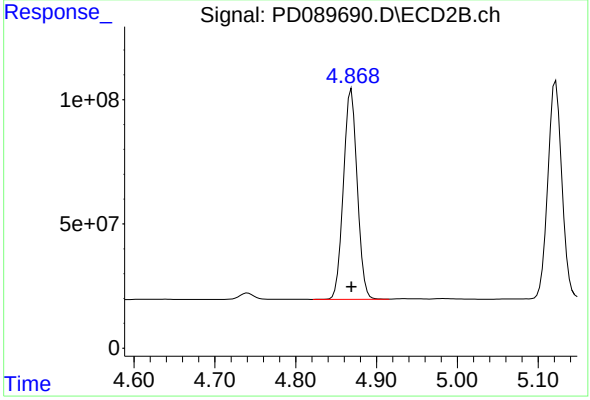
#7 delta-BHC

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



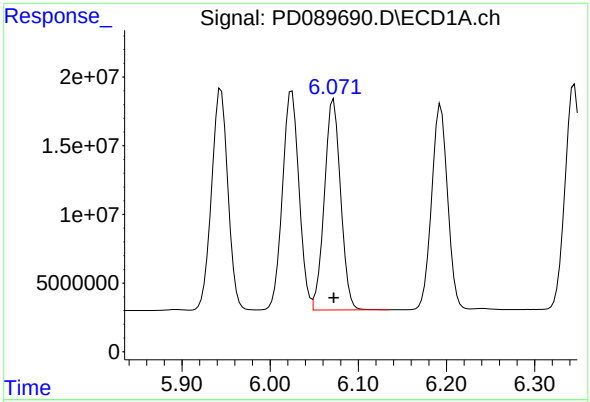
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

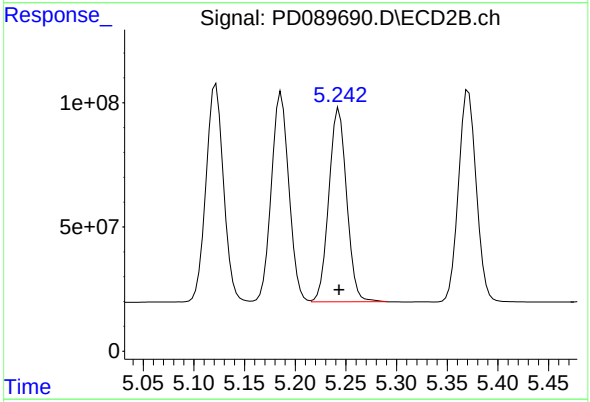
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1004808747
Conc: 50.00 ng/ml



#9 Endosulfan I

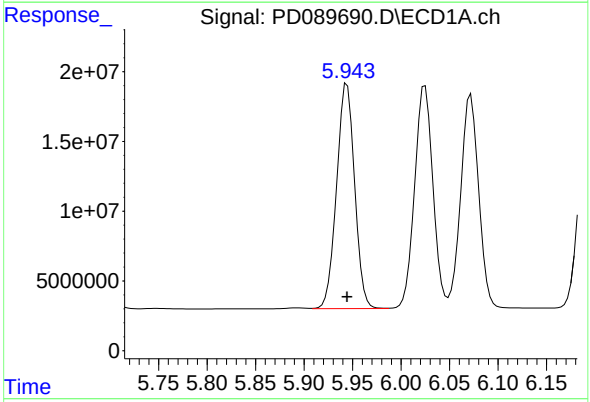
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 197009900
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



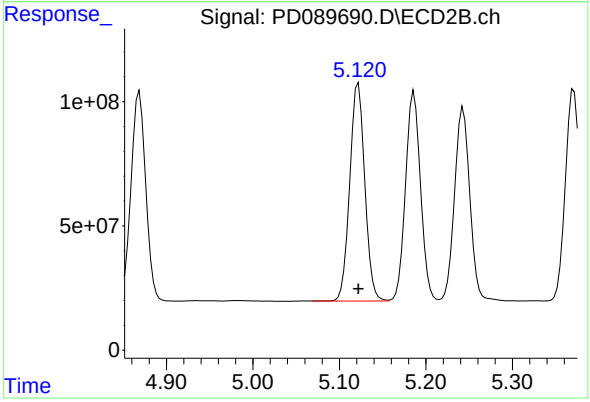
#9 Endosulfan I

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



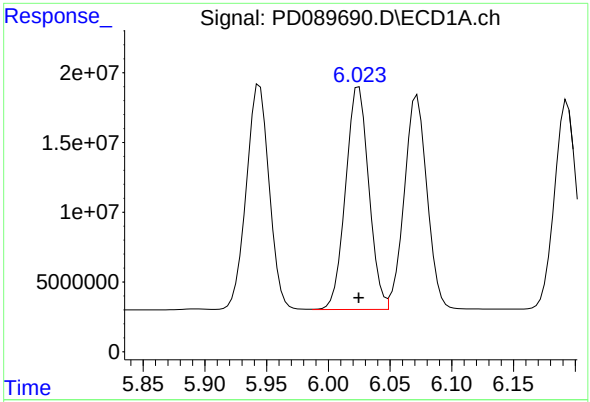
#10 gamma-Chlordane

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



#10 gamma-Chlordane

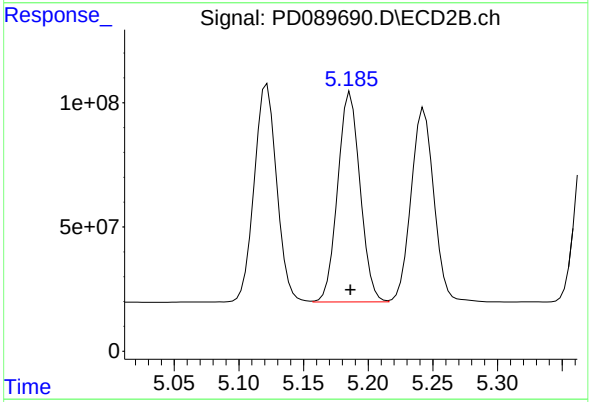
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1059136816
Conc: 50.00 ng/ml



#11 alpha-Chlordane

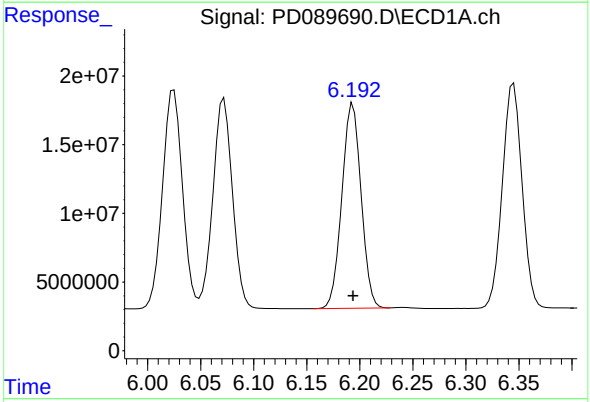
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 208873231
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



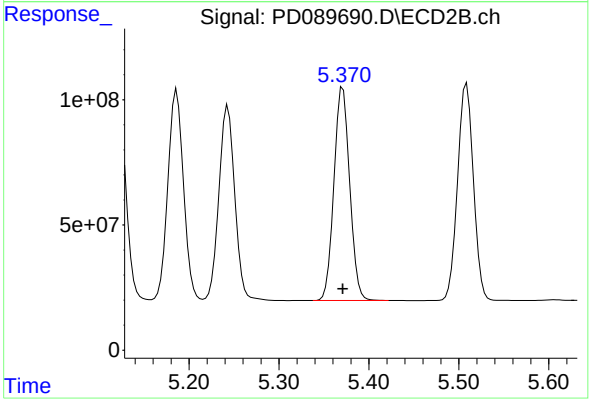
#11 alpha-Chlordane

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



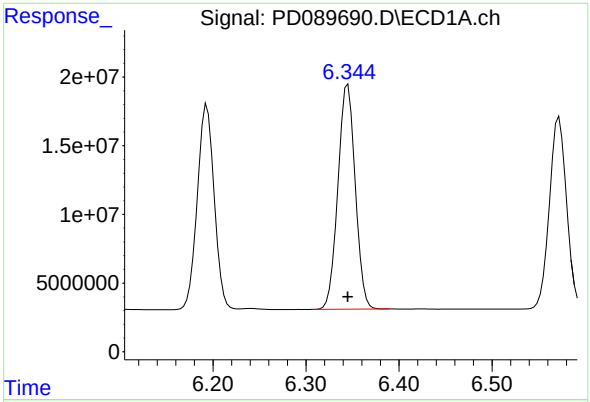
#12 4,4'-DDE

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



#12 4,4'-DDE

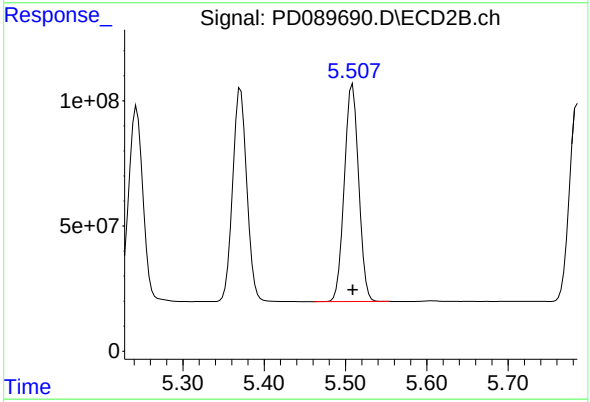
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1036638063
Conc: 50.00 ng/ml



#13 Dieldrin

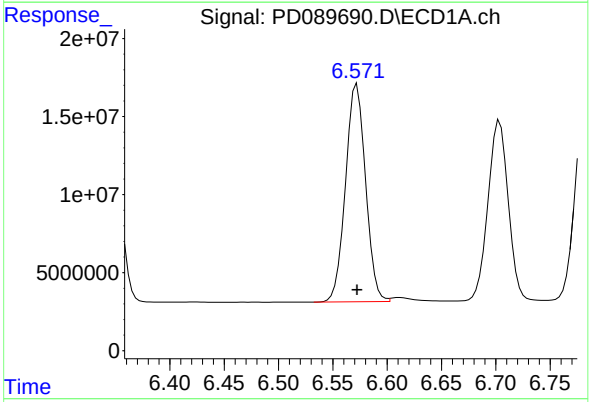
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 211890334
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



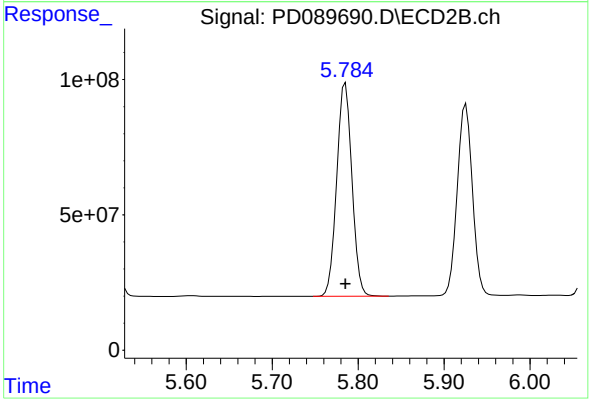
#13 Dieldrin

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



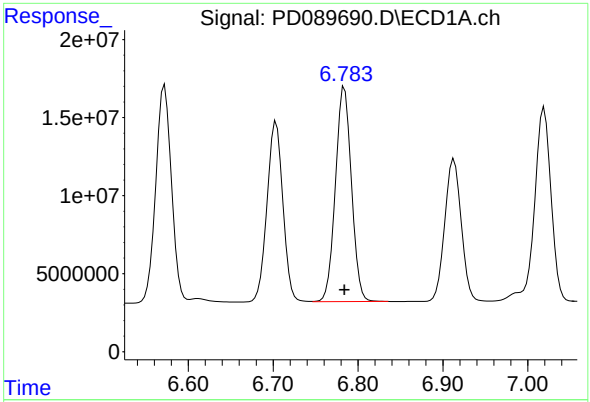
#14 Endrin

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



#14 Endrin

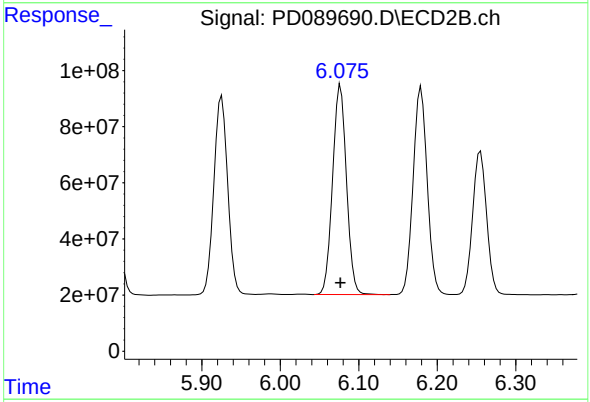
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 969867397
Conc: 50.00 ng/ml



#15 Endosulfan II

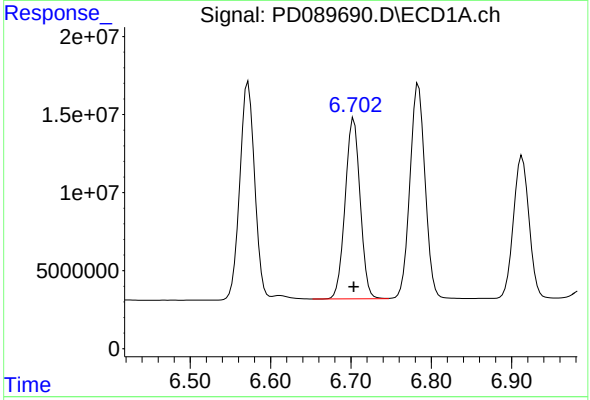
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 180123190
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



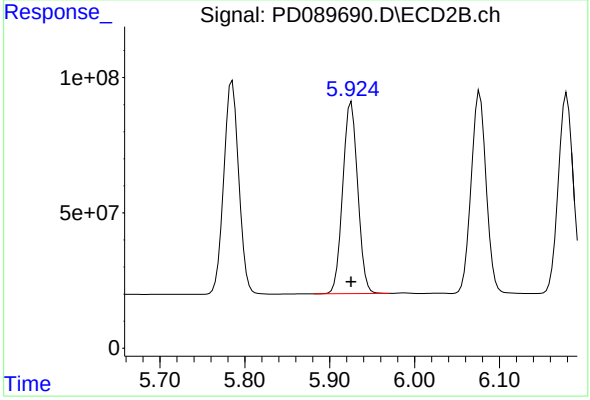
#15 Endosulfan II

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



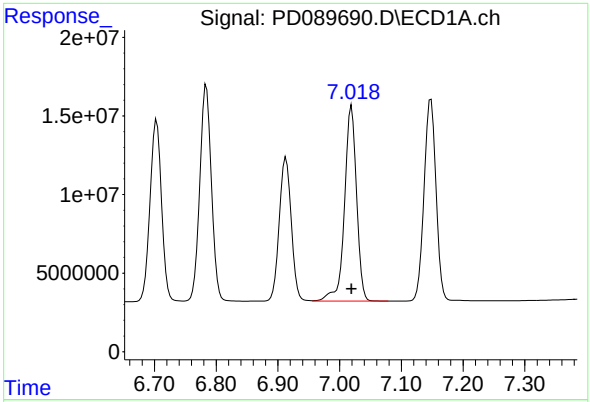
#16 4,4'-DDD

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



#16 4,4'-DDD

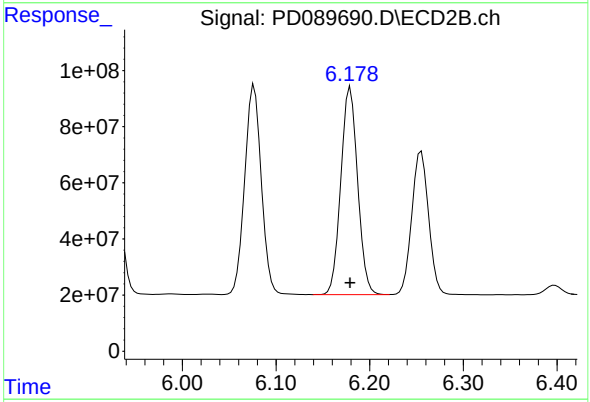
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 867744674
Conc: 50.00 ng/ml



#17 4,4'-DDT

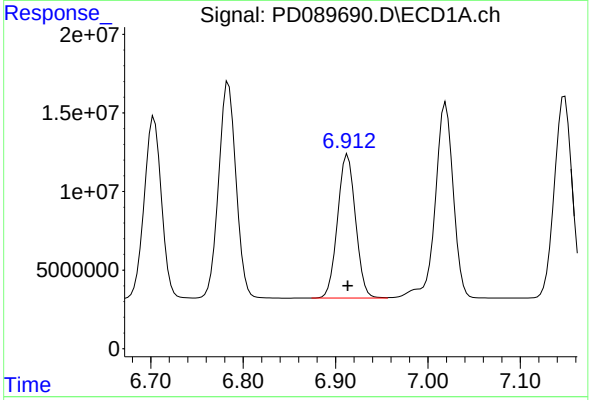
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 168544480
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



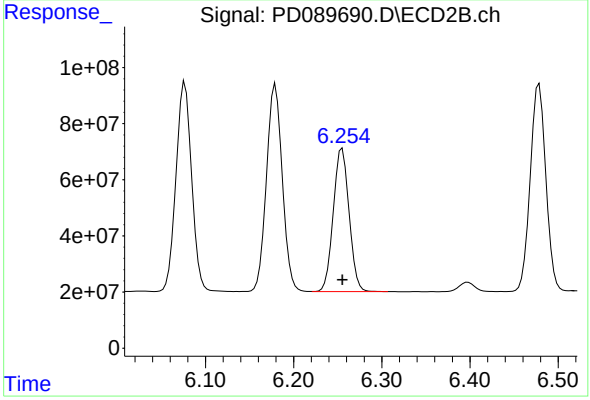
#17 4,4'-DDT

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



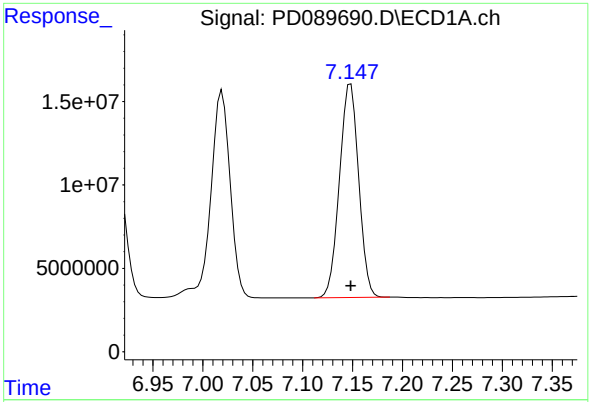
#18 Endrin aldehyde

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



#18 Endrin aldehyde

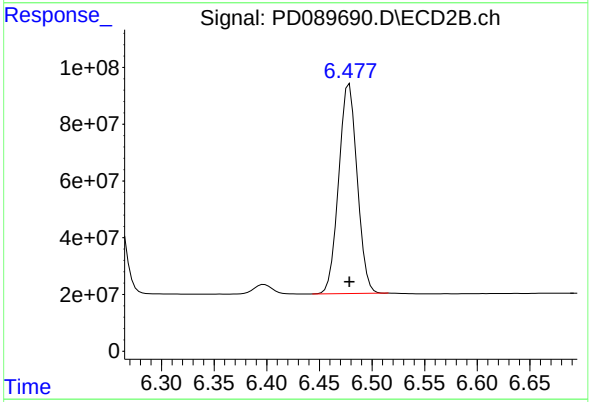
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 635647005
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

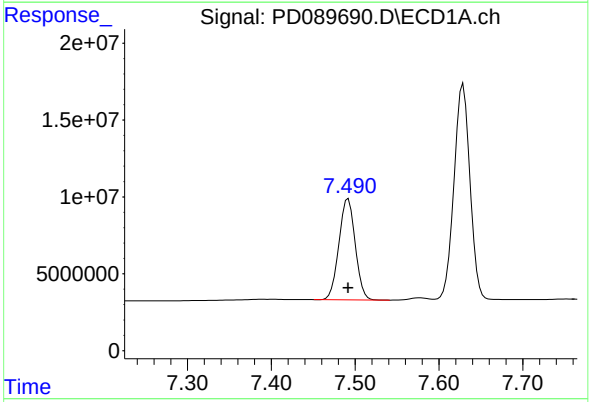
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 171623825
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



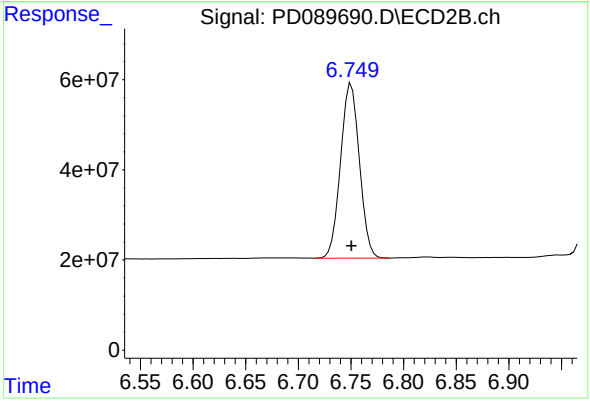
#19 Endosulfan Sulfate

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



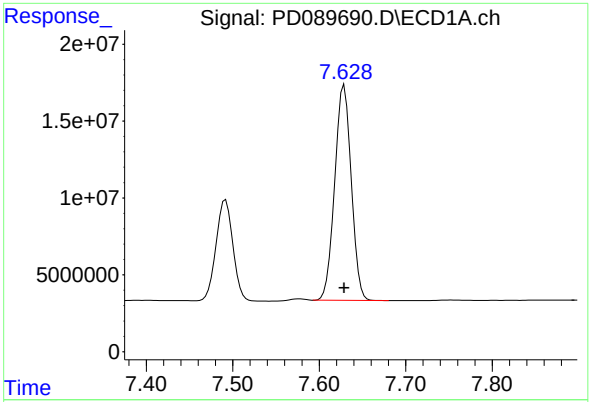
#20 Methoxychlor

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



#20 Methoxychlor

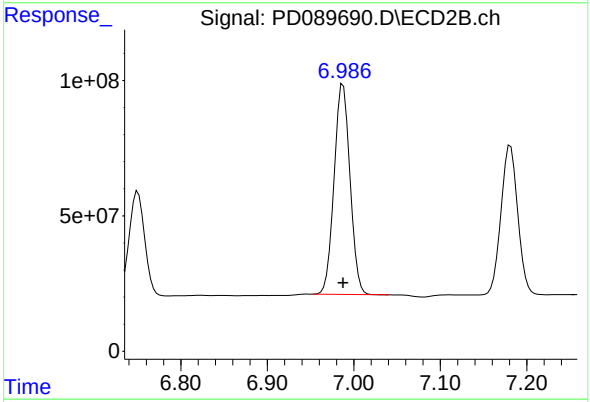
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 485134411
Conc: 50.00 ng/ml



#21 Endrin ketone

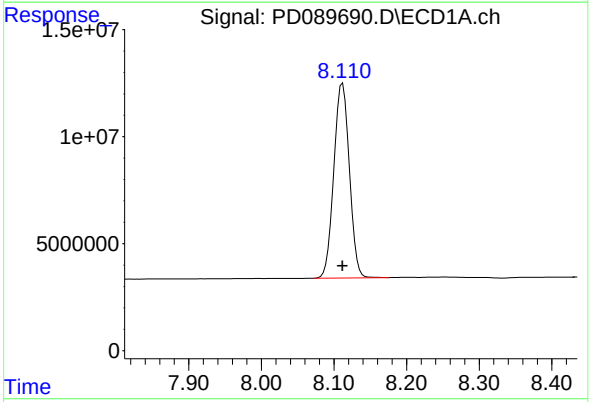
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 185036175
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



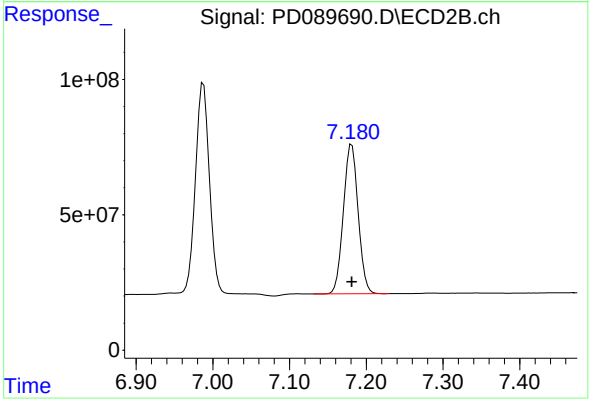
#21 Endrin ketone

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



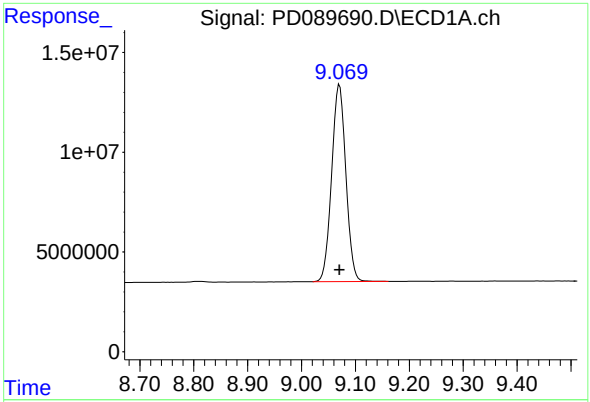
#22 Mirex

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



#22 Mirex

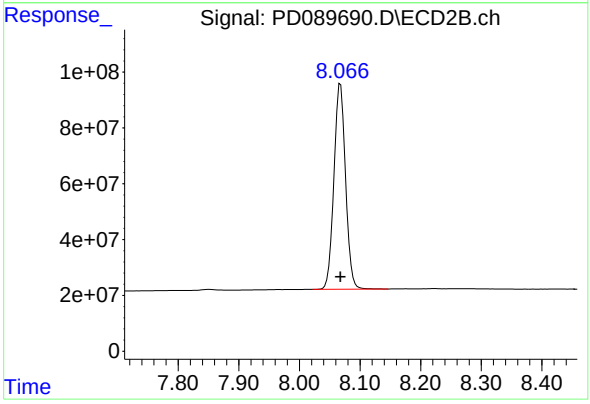
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 741282206
Conc: 50.00 ng/ml



#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

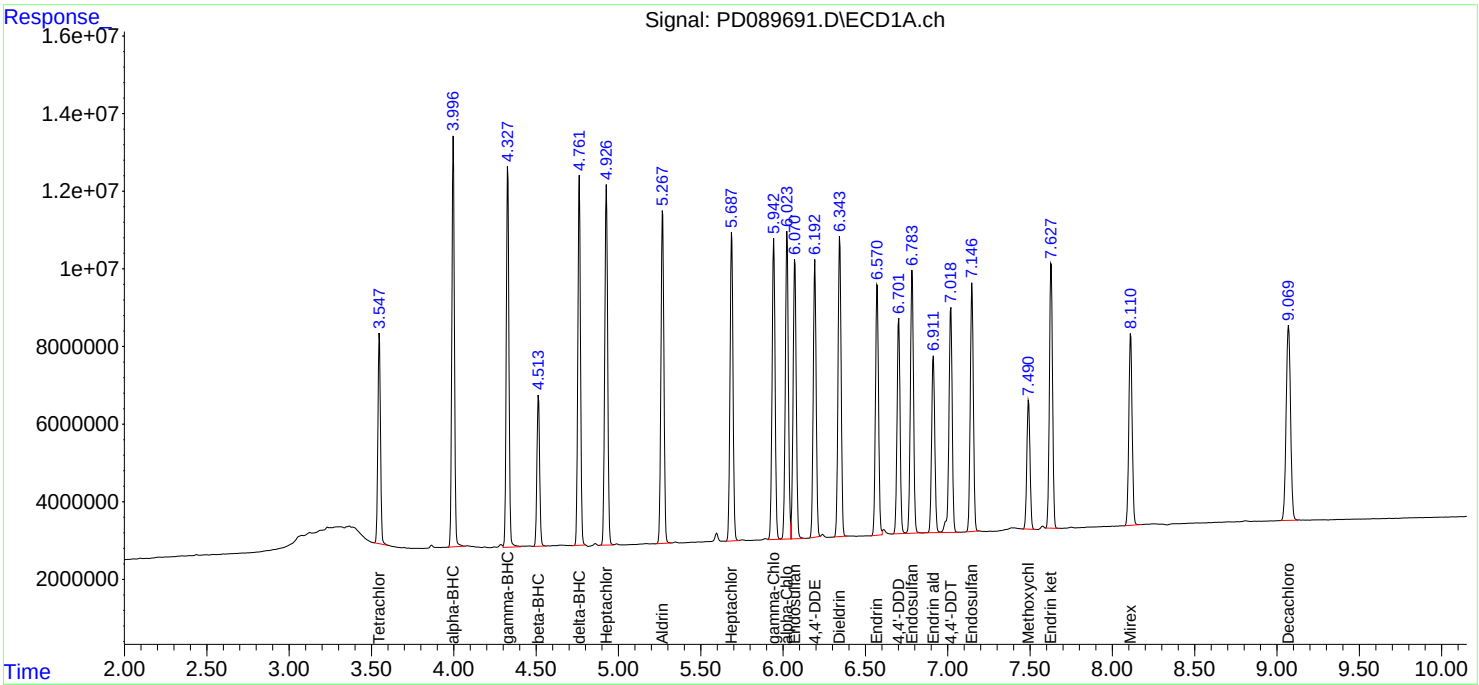
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

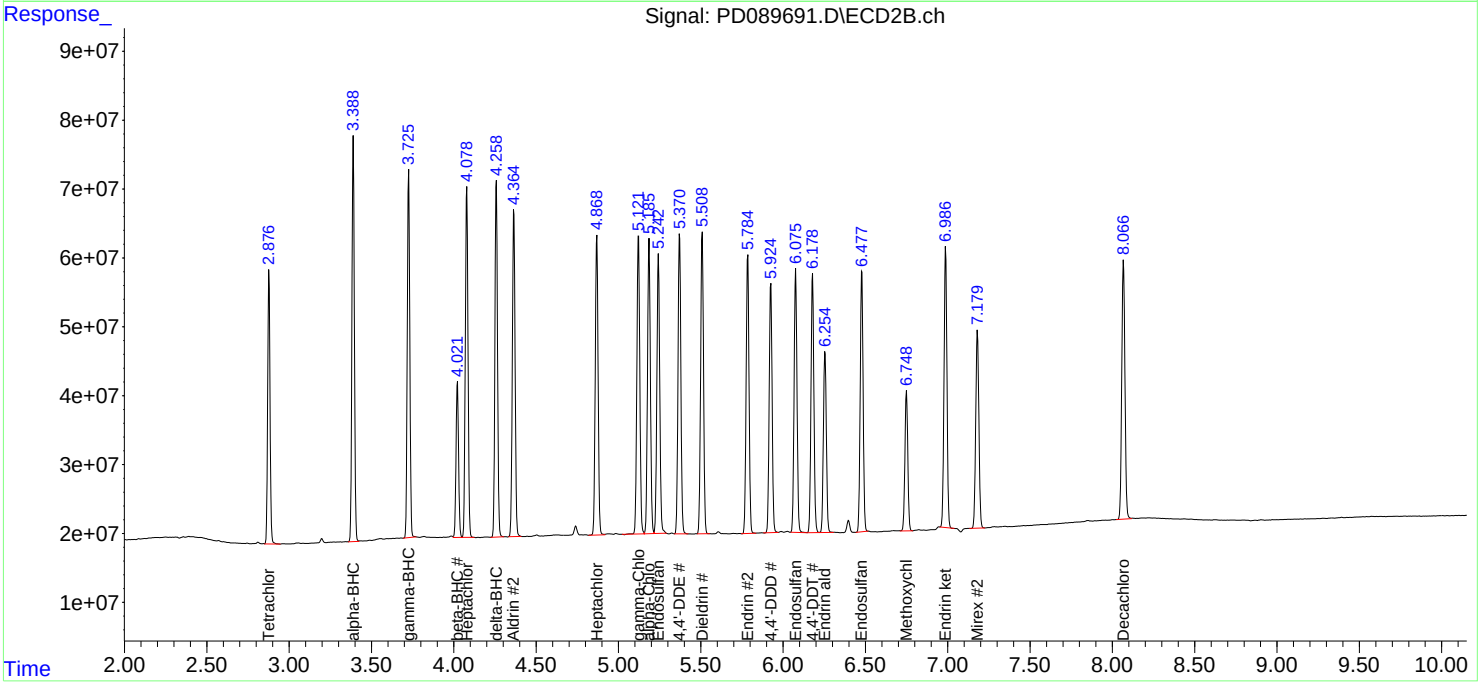
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:28
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

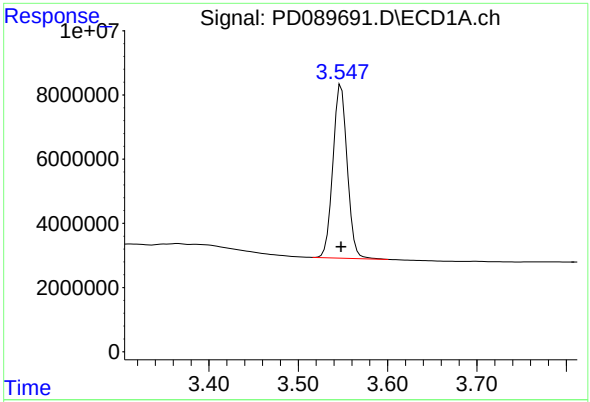
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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 0.25µm



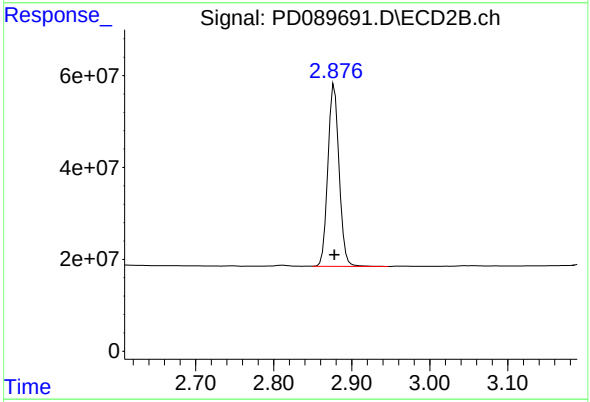




#1 Tetrachloro-m-xylene

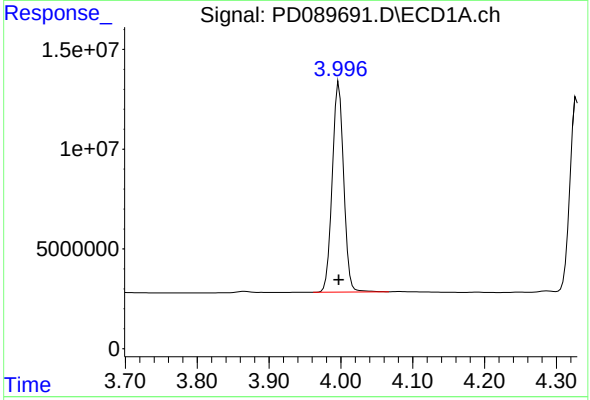
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 60086888
Conc: 24.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



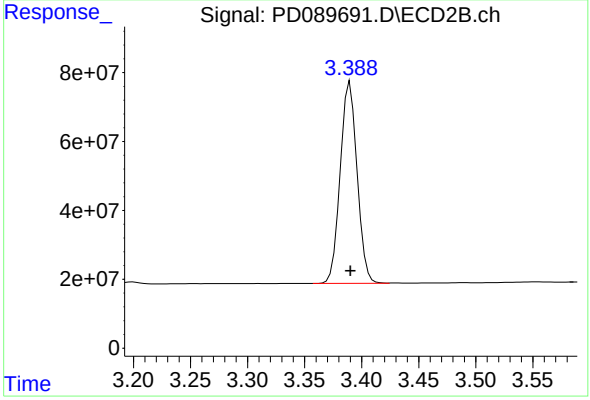
#1 Tetrachloro-m-xylene

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



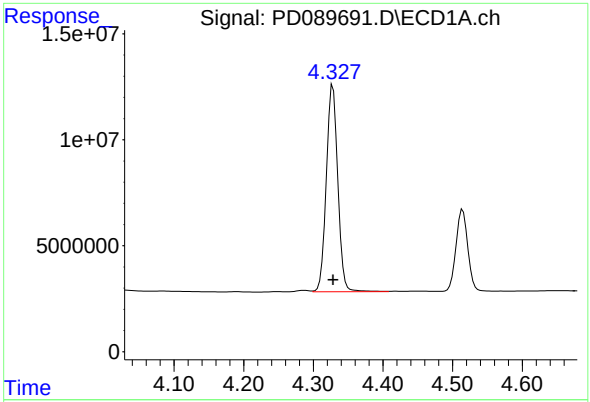
#2 alpha-BHC

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



#2 alpha-BHC

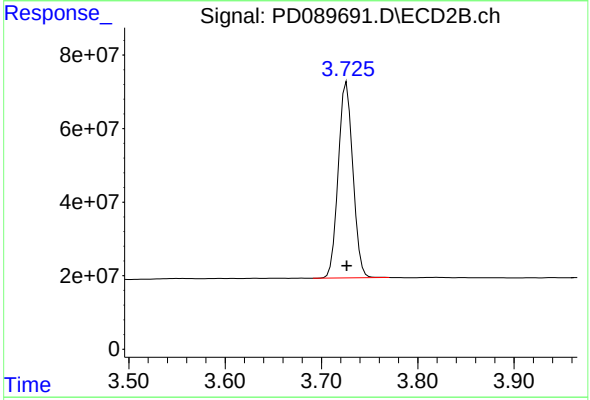
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 602632817
Conc: 25.14 ng/ml



#3 gamma-BHC (Lindane)

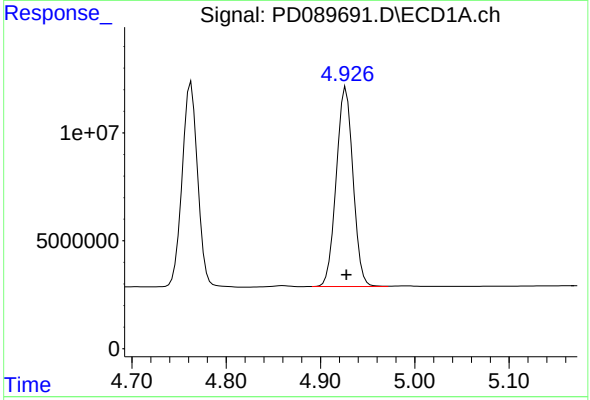
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 112049912
Conc: 23.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



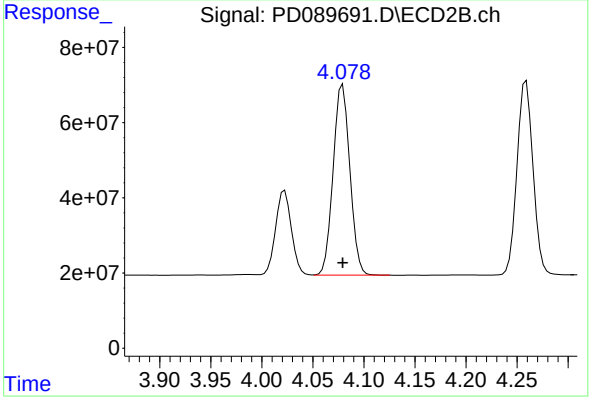
#3 gamma-BHC (Lindane)

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



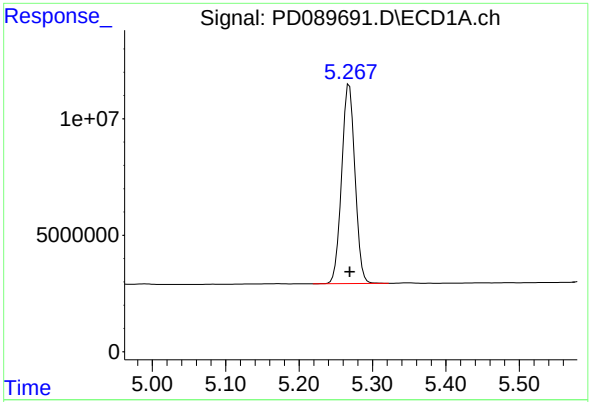
#4 Heptachlor

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



#4 Heptachlor

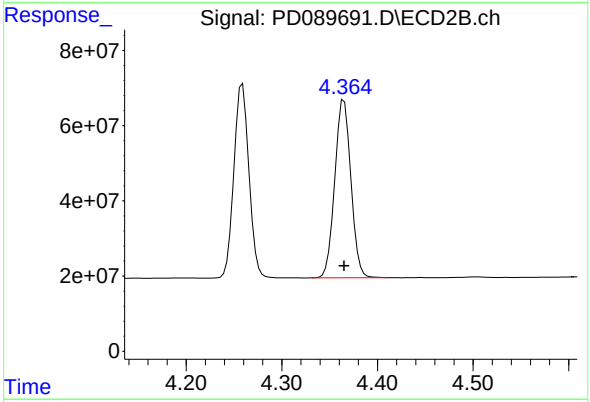
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 579441430
Conc: 25.49 ng/ml



#5 Aldrin

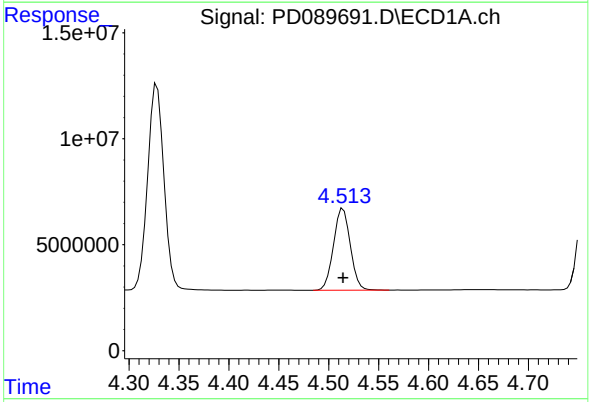
R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 108182482
Conc: 23.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



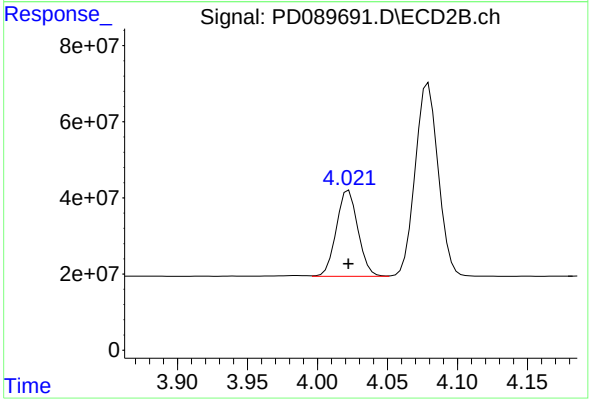
#5 Aldrin

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



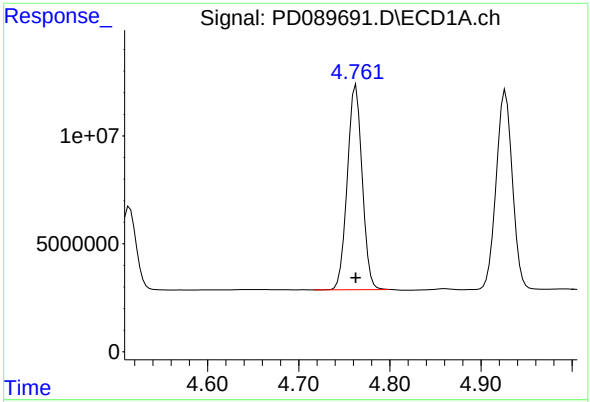
#6 beta-BHC

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



#6 beta-BHC

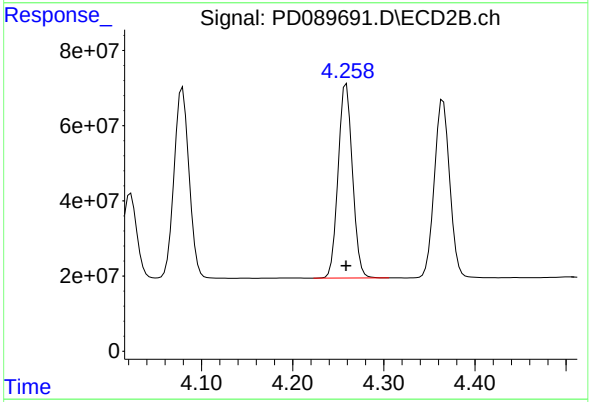
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 242608019
Conc: 25.80 ng/ml



#7 delta-BHC

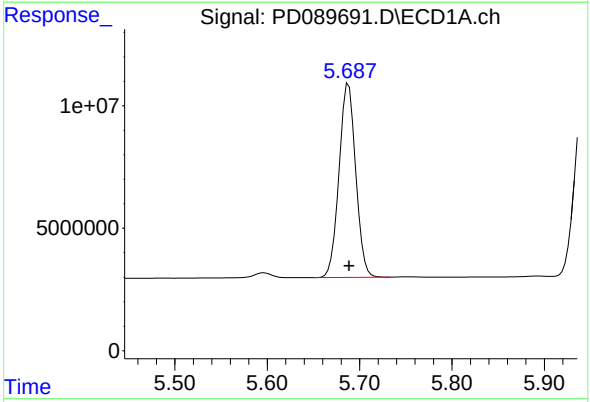
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 107368428
Conc: 22.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



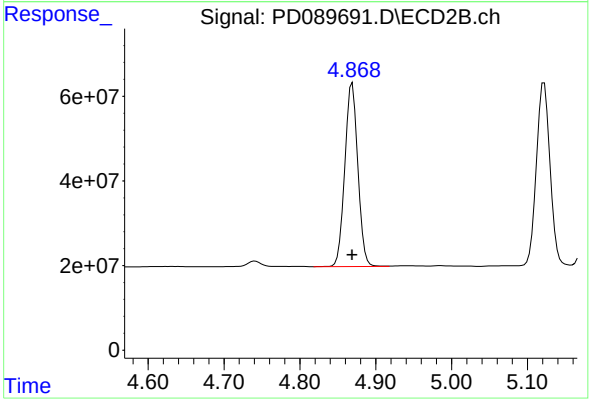
#7 delta-BHC

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



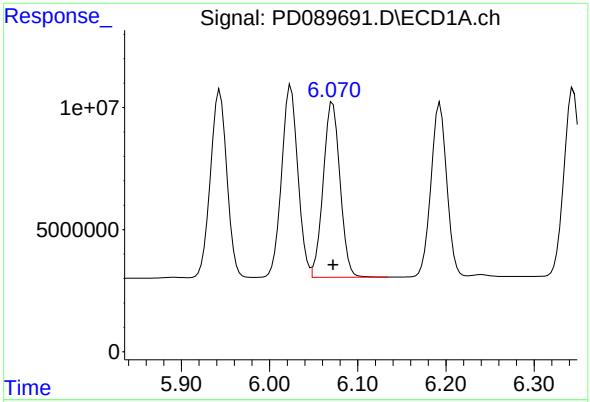
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

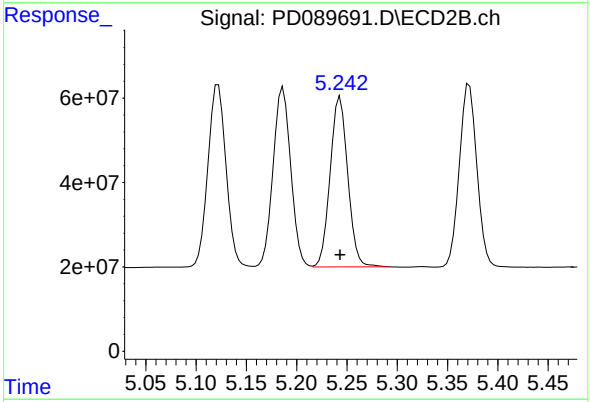
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 517209380
Conc: 25.74 ng/ml



#9 Endosulfan I

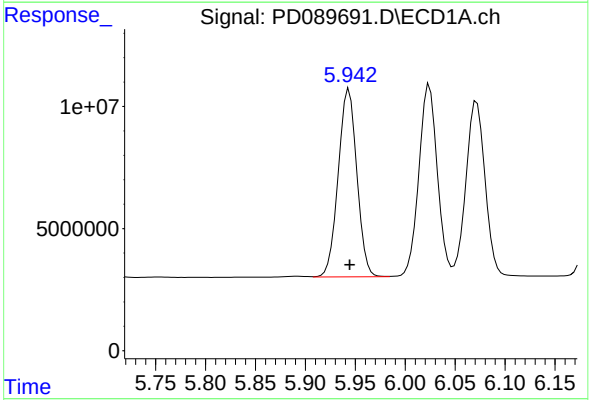
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 95423575
Conc: 24.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



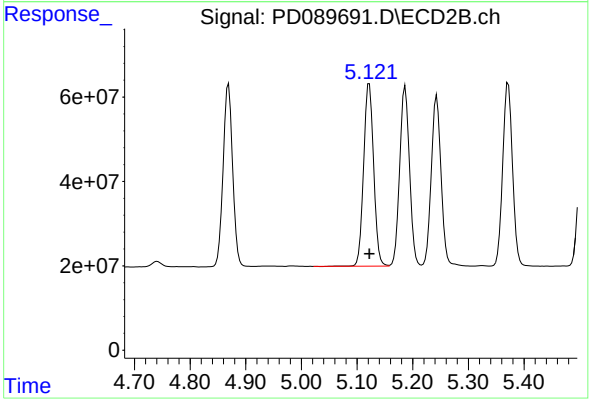
#9 Endosulfan I

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



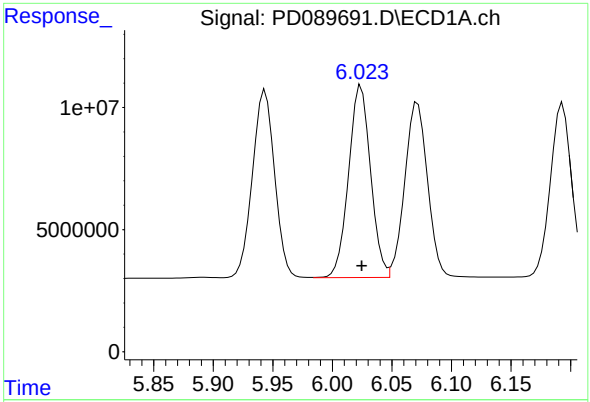
#10 gamma-Chlordane

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



#10 gamma-Chlordane

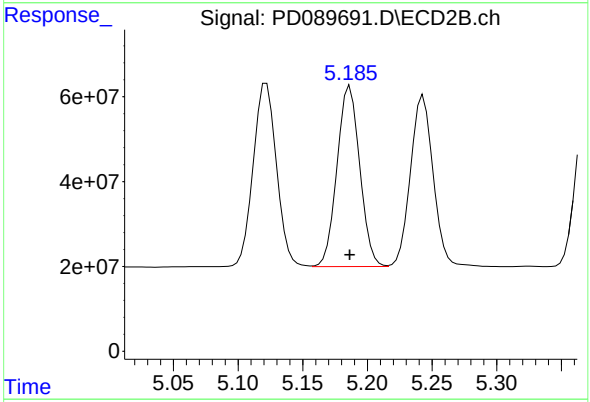
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 541342923
Conc: 25.56 ng/ml



#11 alpha-Chlordane

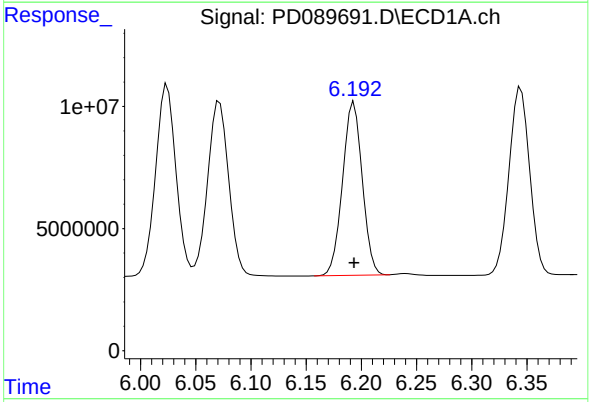
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 101220980
Conc: 24.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



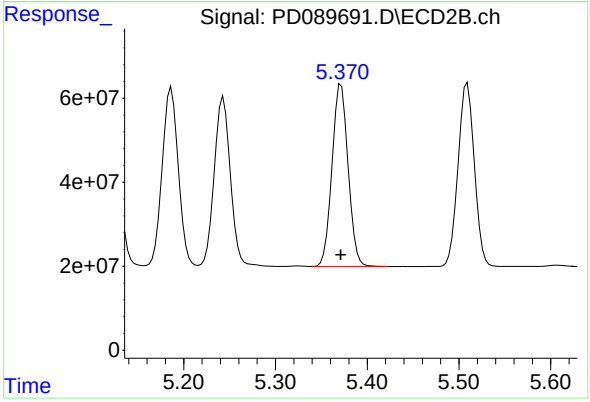
#11 alpha-Chlordane

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



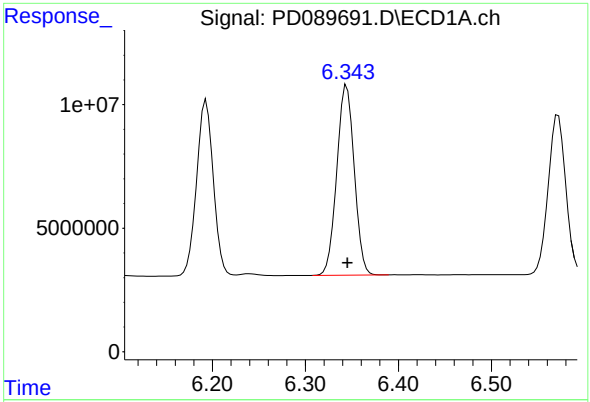
#12 4,4'-DDE

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



#12 4,4'-DDE

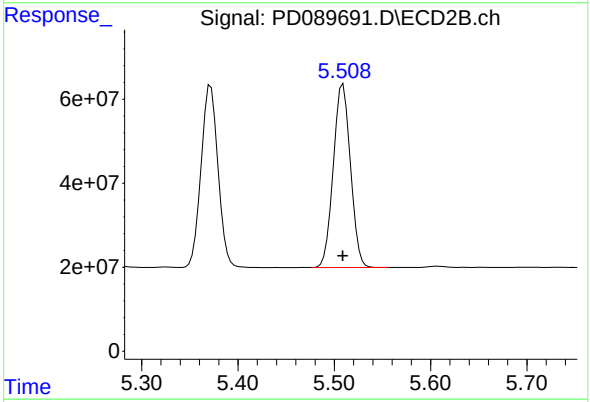
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 529594225
Conc: 25.54 ng/ml



#13 Dieldrin

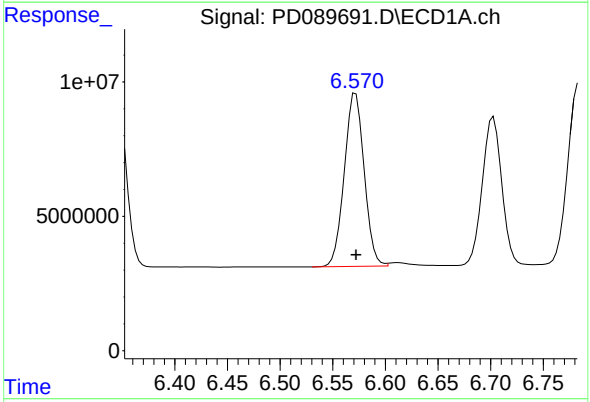
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 100342362
Conc: 23.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



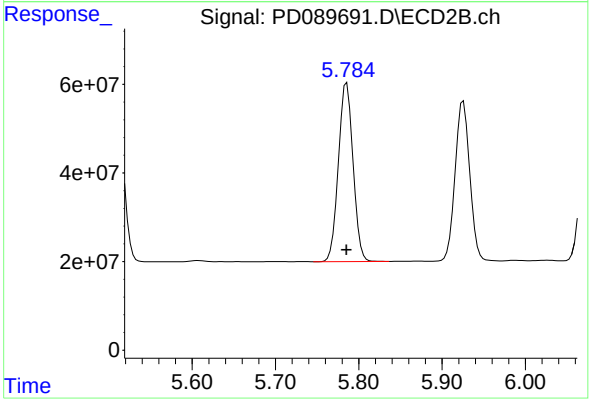
#13 Dieldrin

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



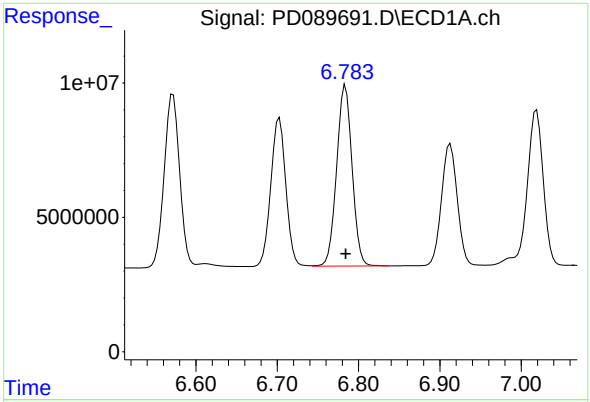
#14 Endrin

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



#14 Endrin

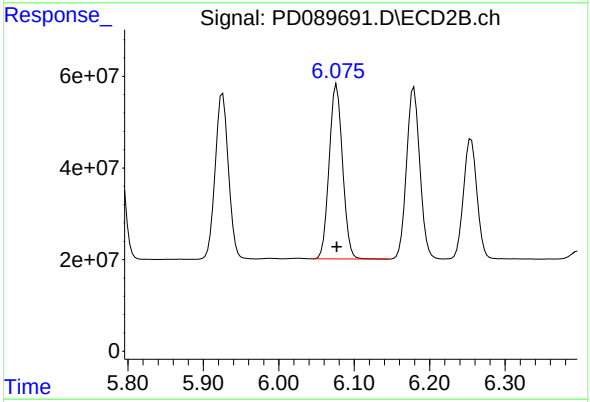
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 493436224
Conc: 25.44 ng/ml



#15 Endosulfan II

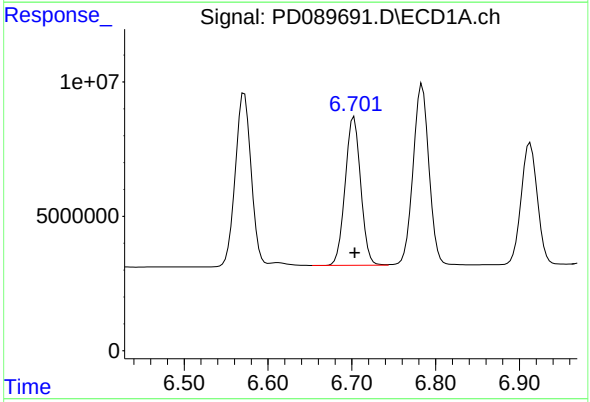
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 88566720
Conc: 24.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



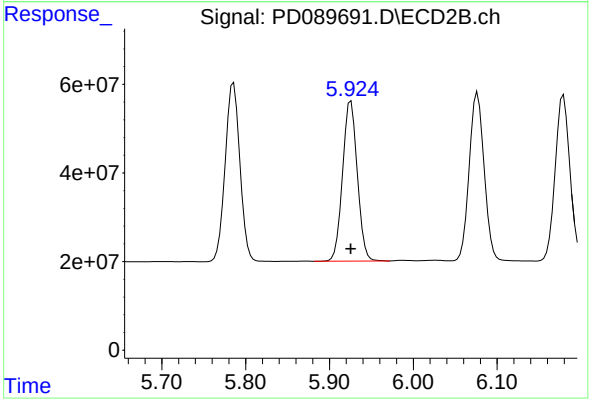
#15 Endosulfan II

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



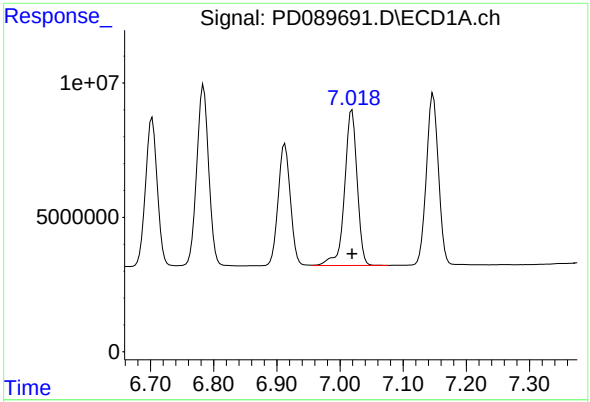
#16 4,4'-DDD

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



#16 4,4'-DDD

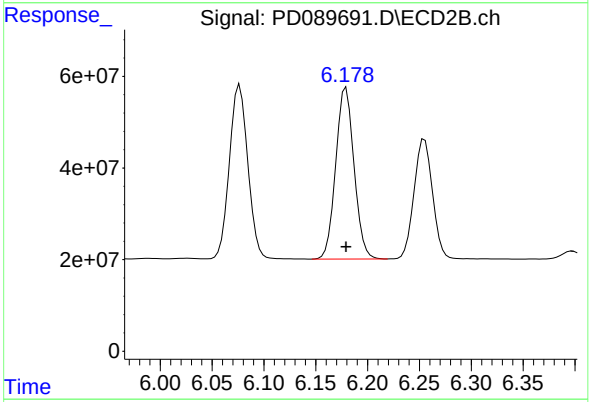
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 441554467
Conc: 25.44 ng/ml



#17 4,4'-DDT

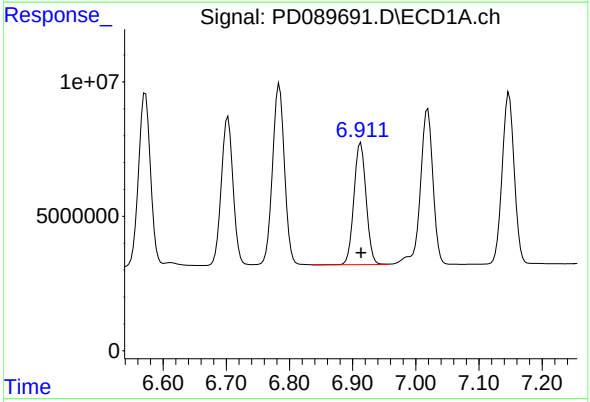
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 80141596
Conc: 23.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



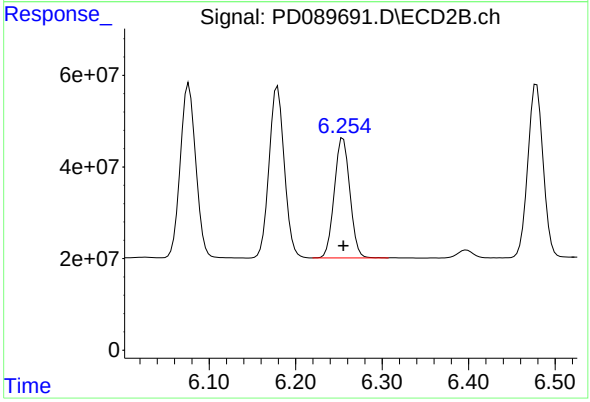
#17 4,4'-DDT

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



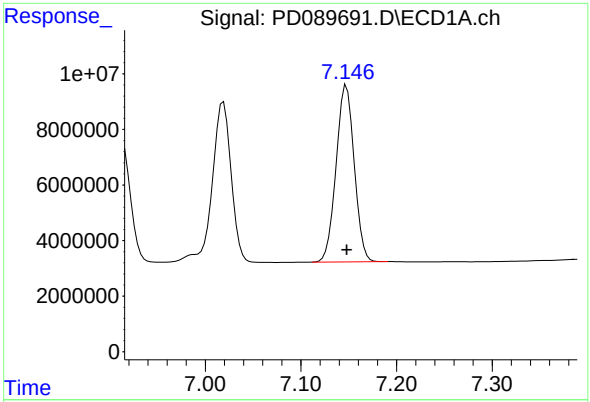
#18 Endrin aldehyde

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



#18 Endrin aldehyde

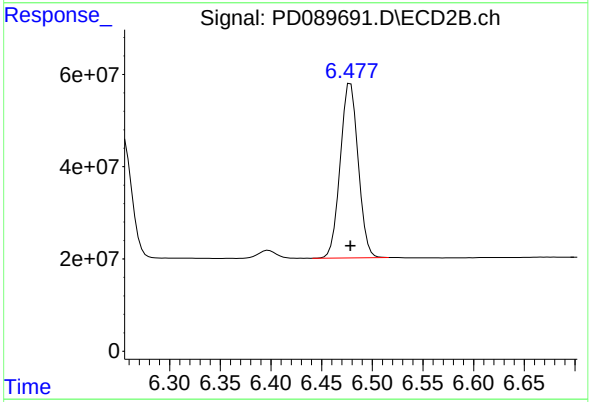
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 325094436
Conc: 25.57 ng/ml



#19 Endosulfan Sulfate

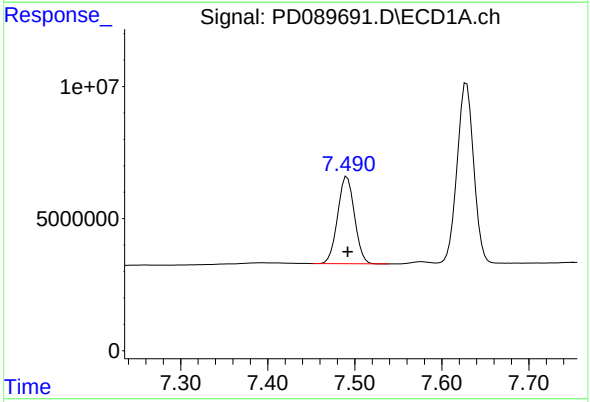
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 83927332
Conc: 24.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



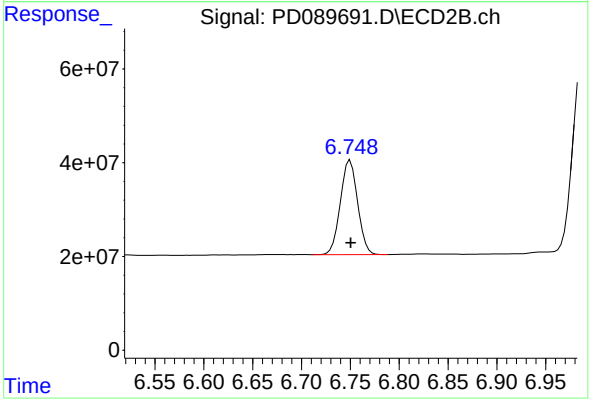
#19 Endosulfan Sulfate

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



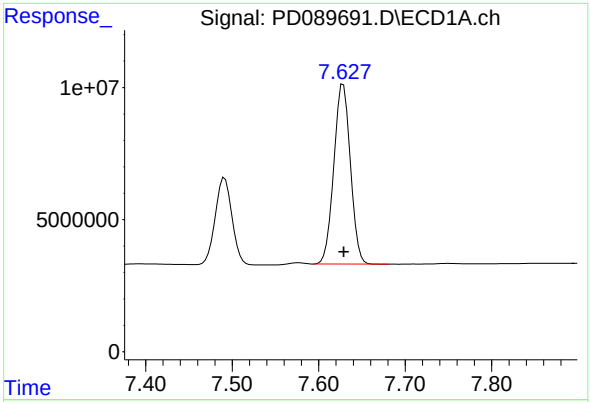
#20 Methoxychlor

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



#20 Methoxychlor

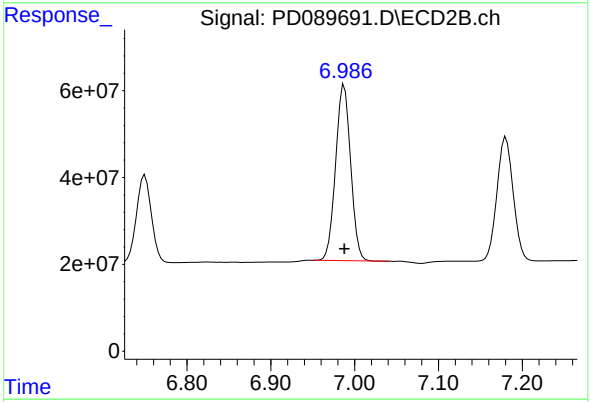
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 248768556
Conc: 25.64 ng/ml



#21 Endrin ketone

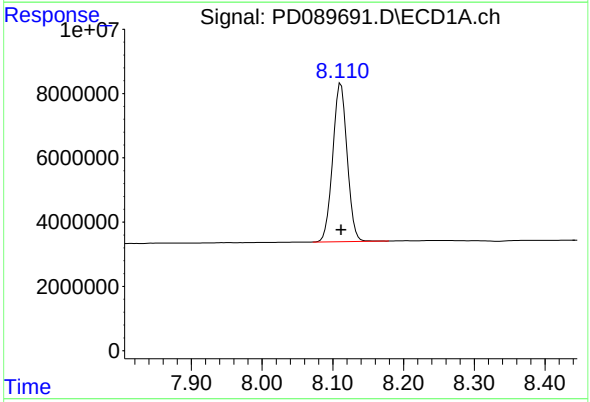
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 90082871
Conc: 24.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



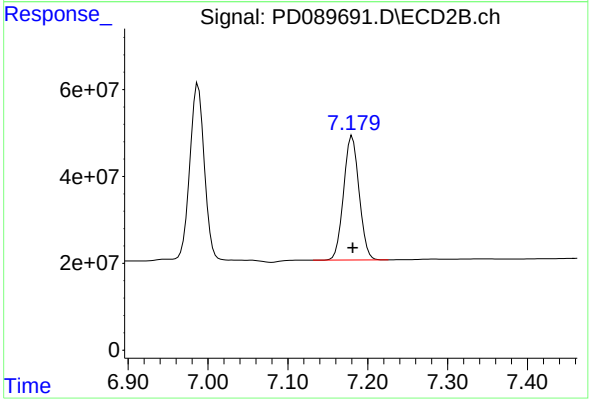
#21 Endrin ketone

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



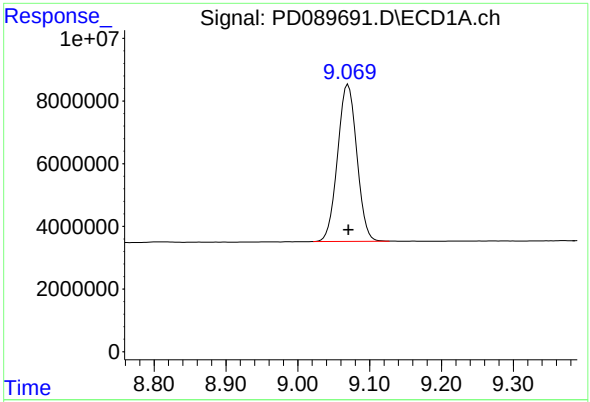
#22 Mirex

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



#22 Mirex

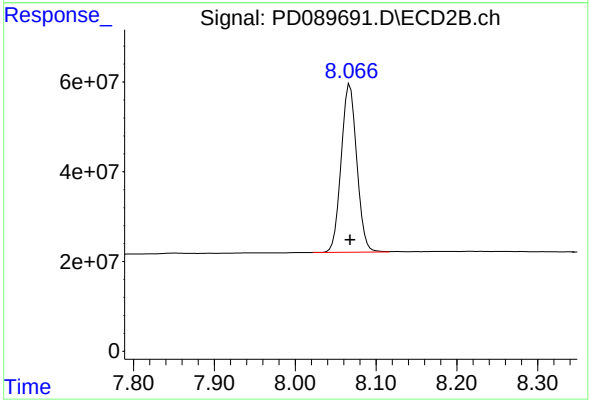
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 385539185
Conc: 26.00 ng/ml



#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

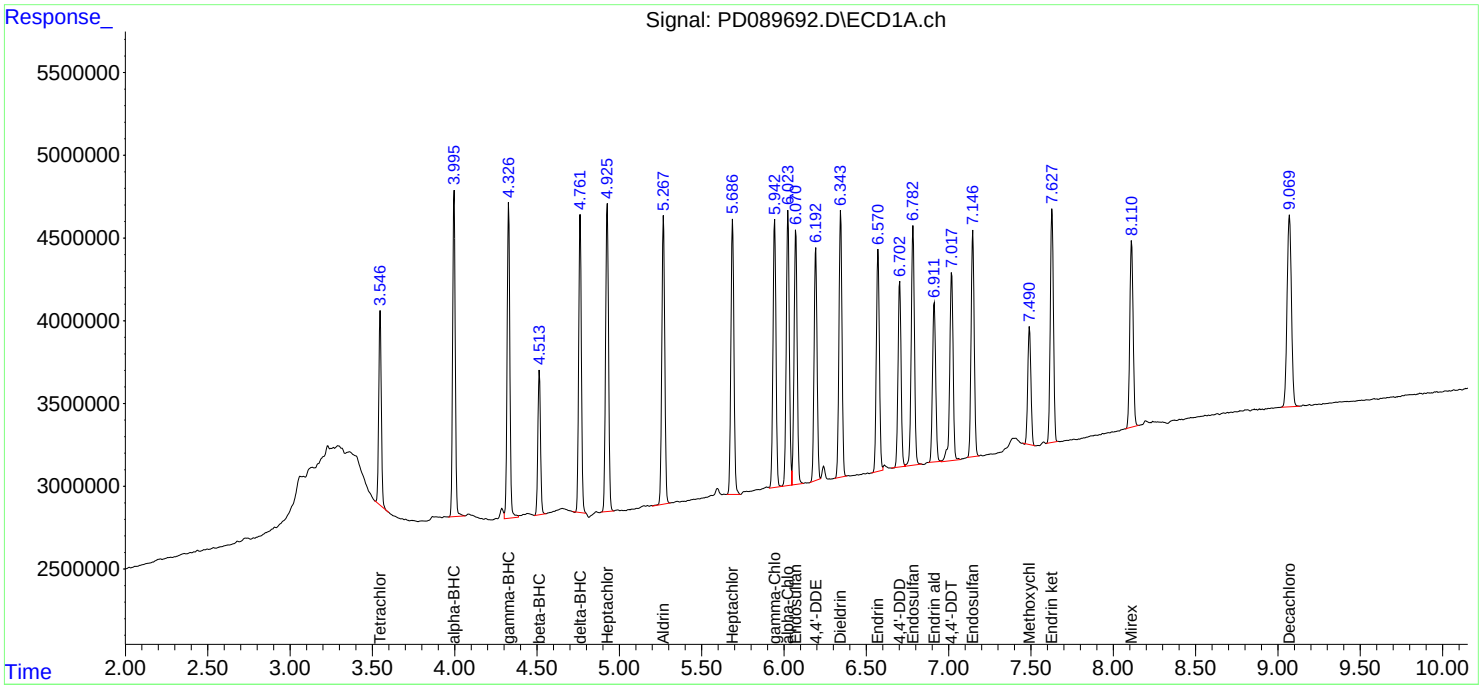
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

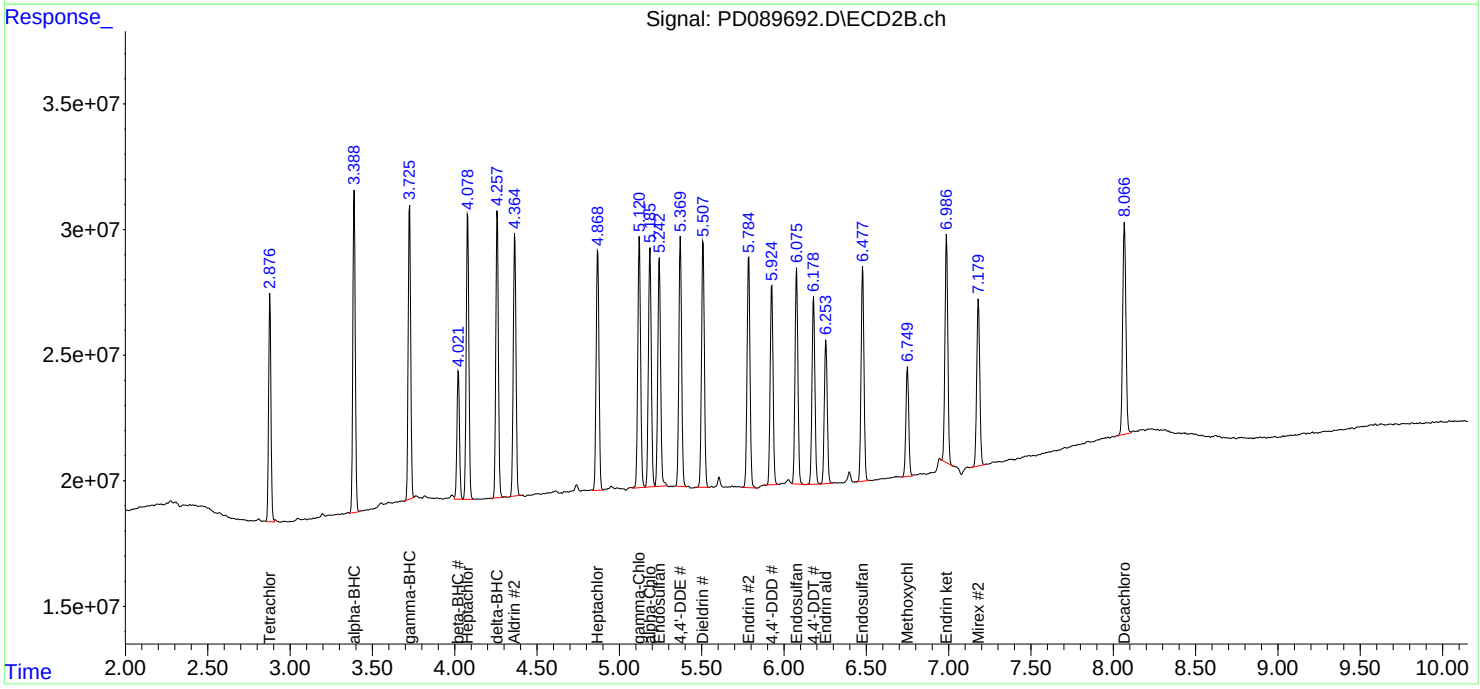
Manual Integrations APPROVED

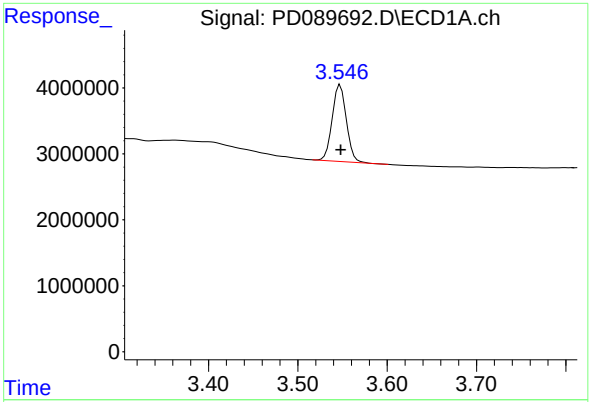
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

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







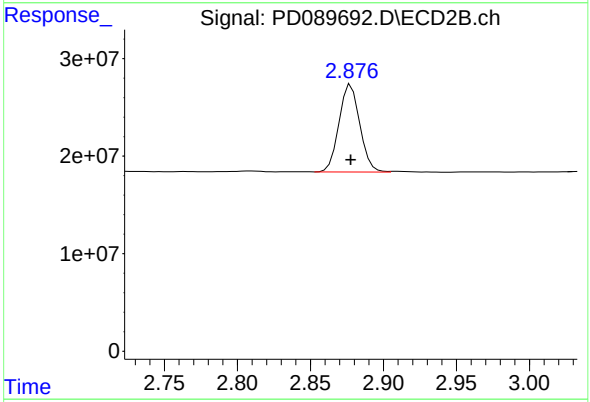
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

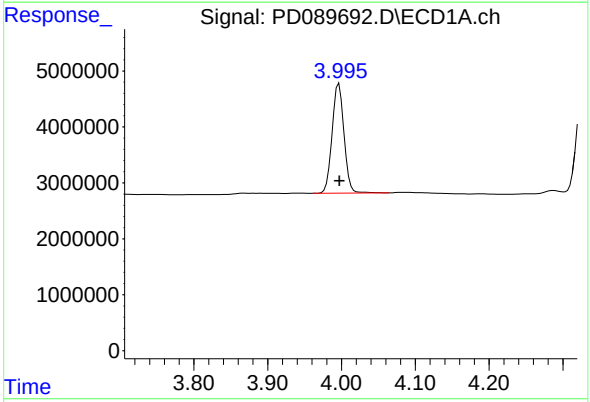
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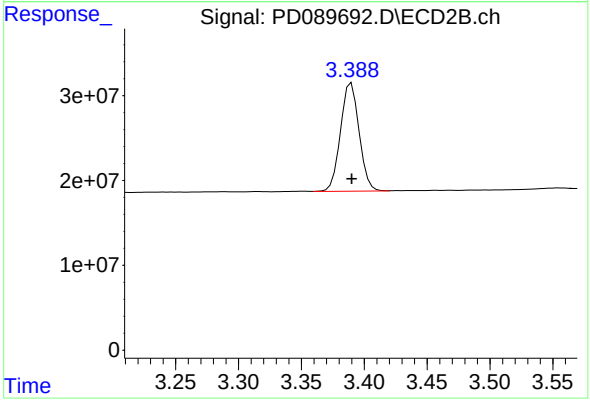
#1 Tetrachloro-m-xylene

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



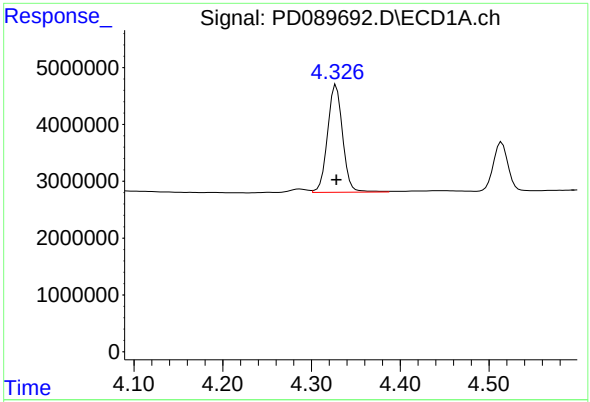
#2 alpha-BHC

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



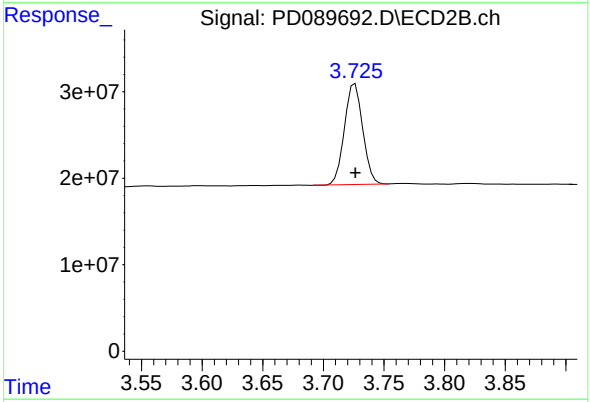
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

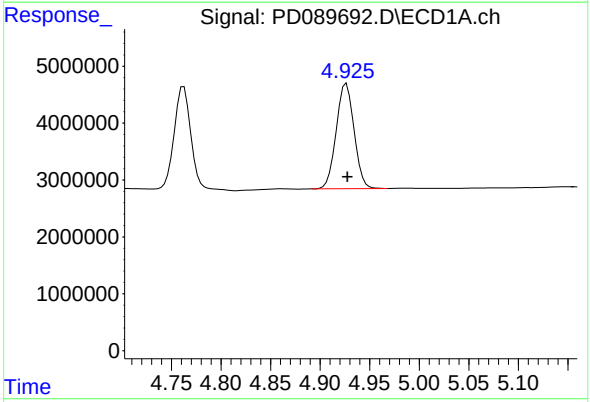
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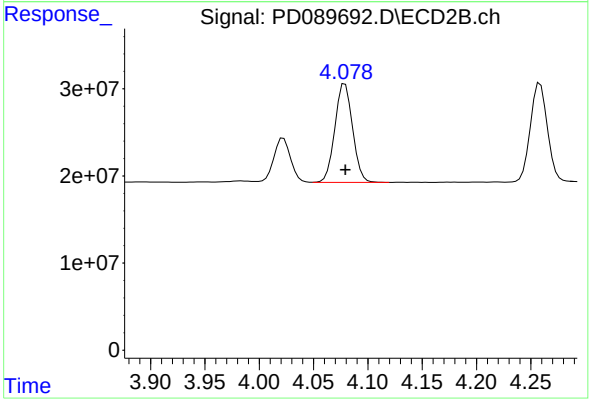
#3 gamma-BHC (Lindane)

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



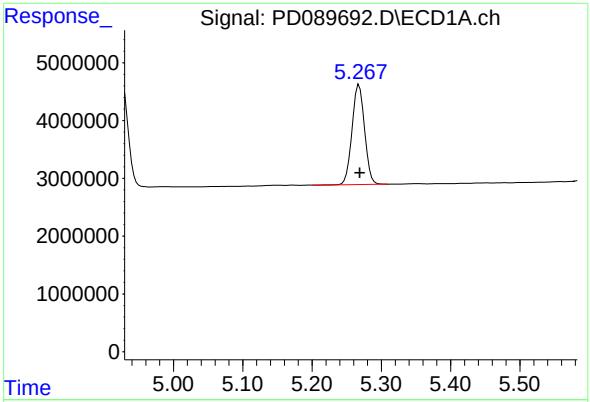
#4 Heptachlor

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



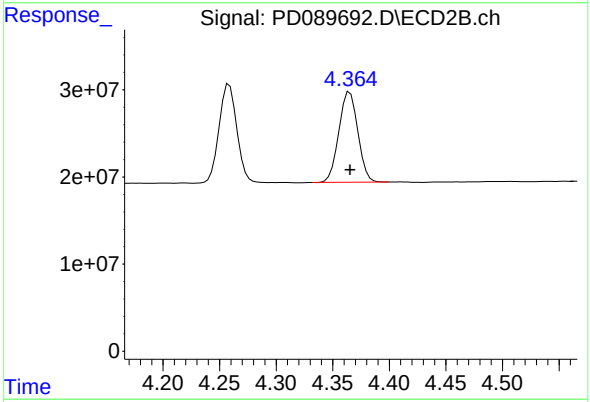
#5 Aldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

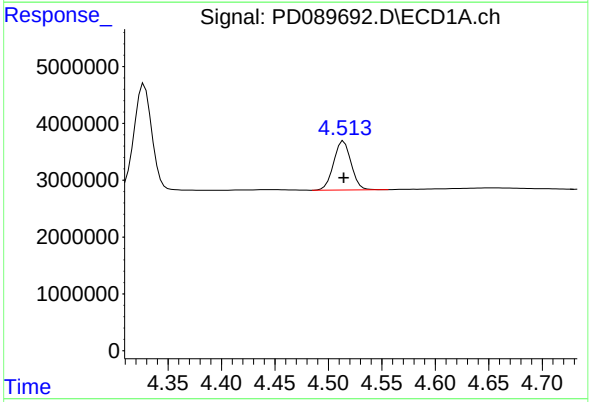
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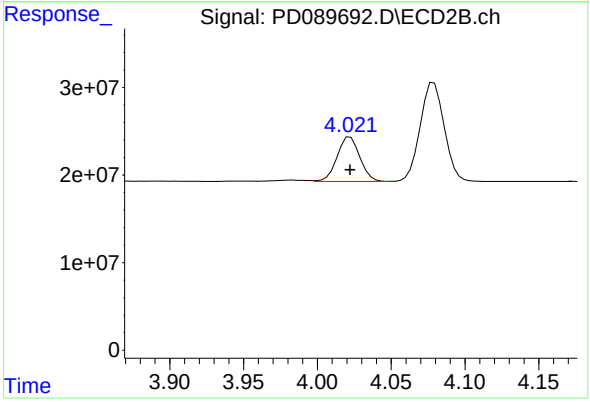
#5 Aldrin

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



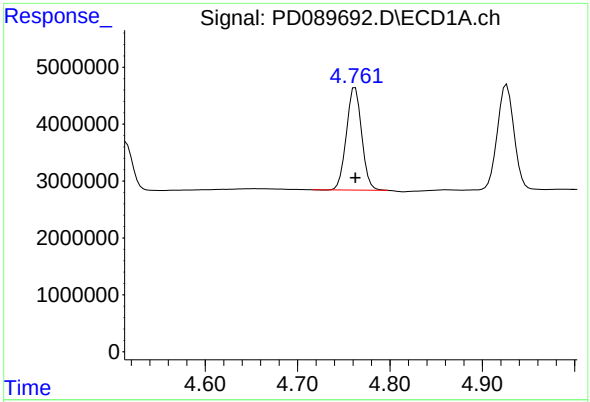
#6 beta-BHC

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



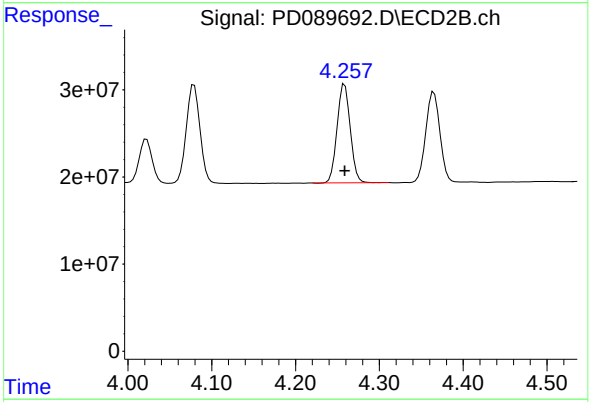
#7 delta-BHC

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

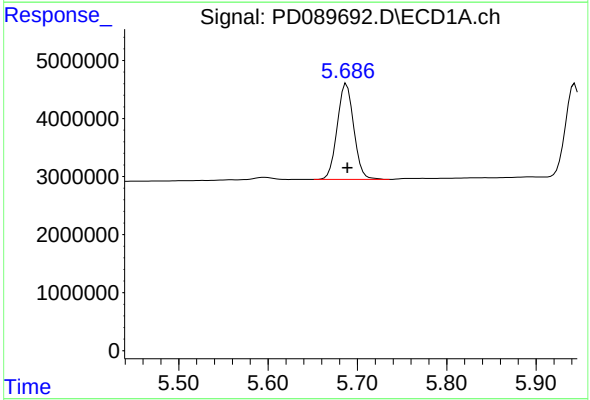
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Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025



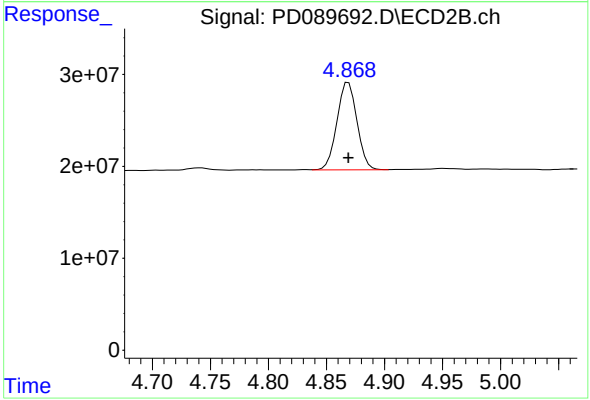
#7 delta-BHC

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



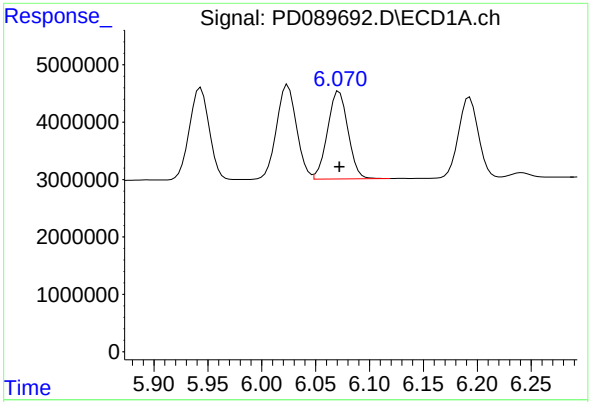
#8 Heptachlor epoxide

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



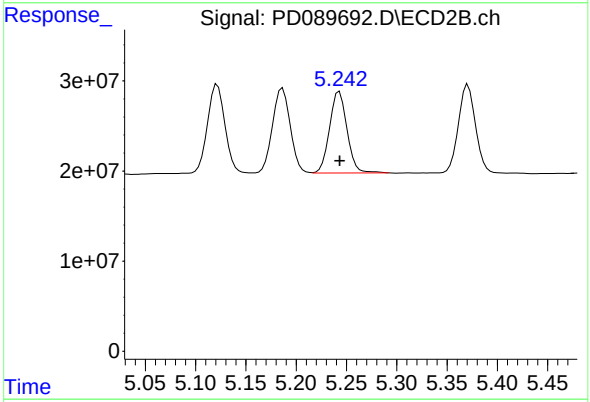
#9 Endosulfan I

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

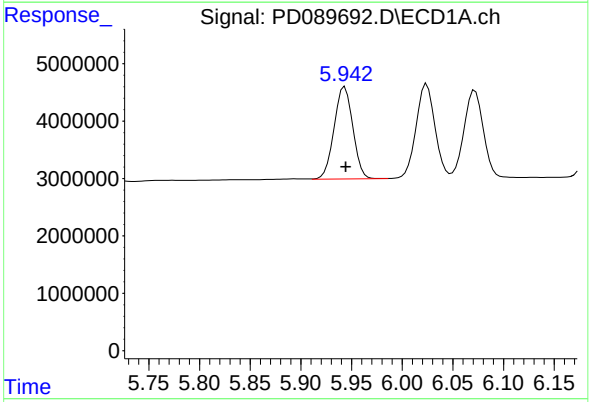
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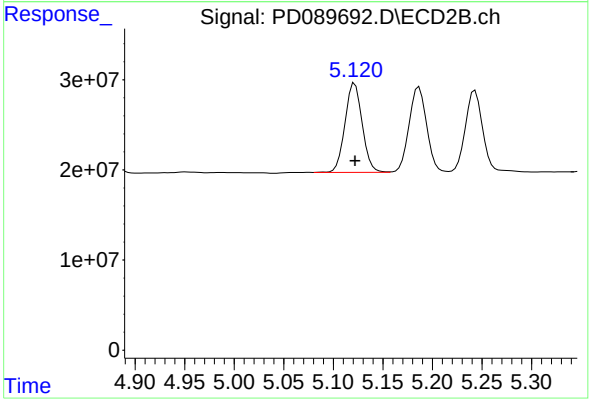
#9 Endosulfan I

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



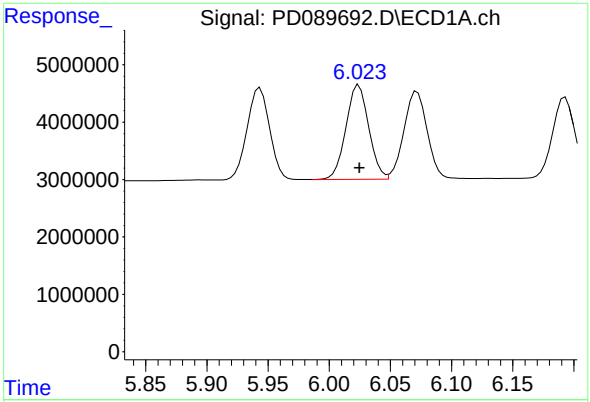
#10 gamma-Chlordane

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



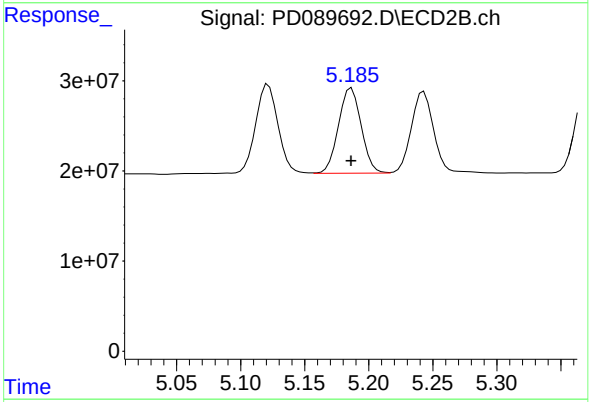
#11 alpha-Chlordane

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

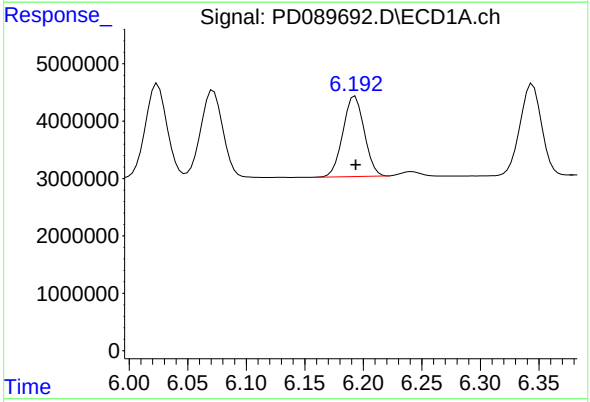
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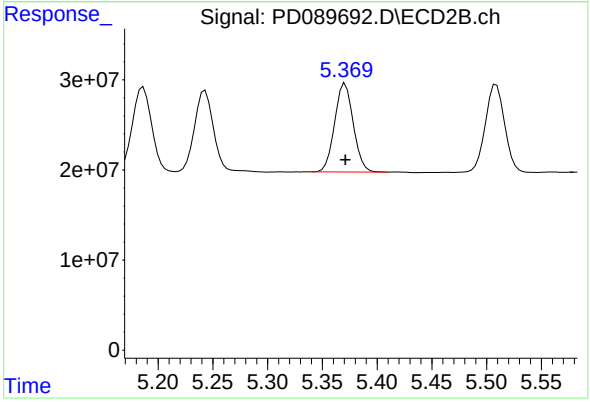
#11 alpha-Chlordane

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



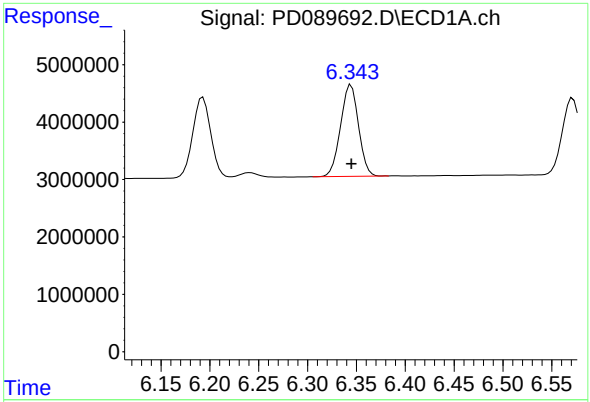
#12 4,4'-DDE

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



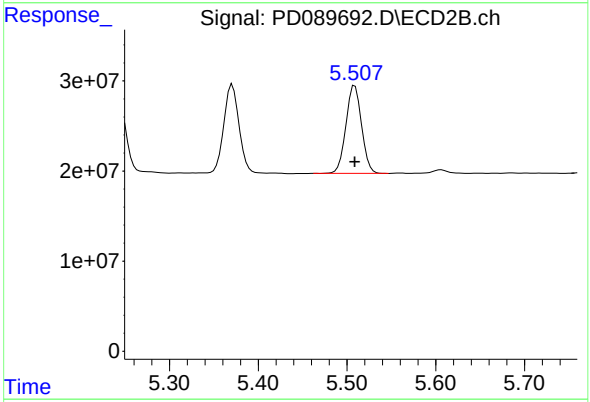
#13 Dieldrin

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

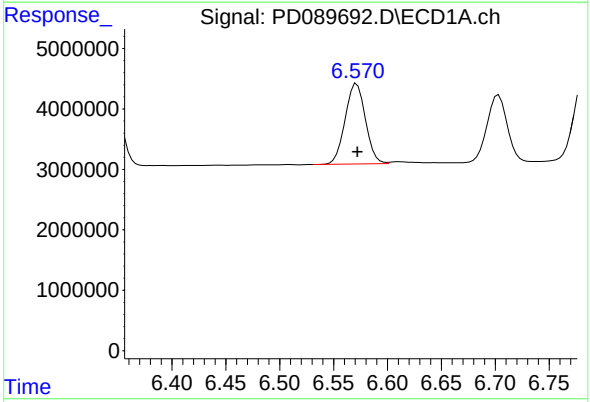
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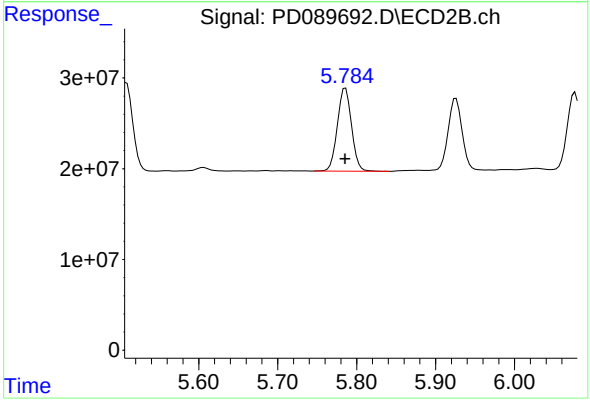
#13 Dieldrin

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



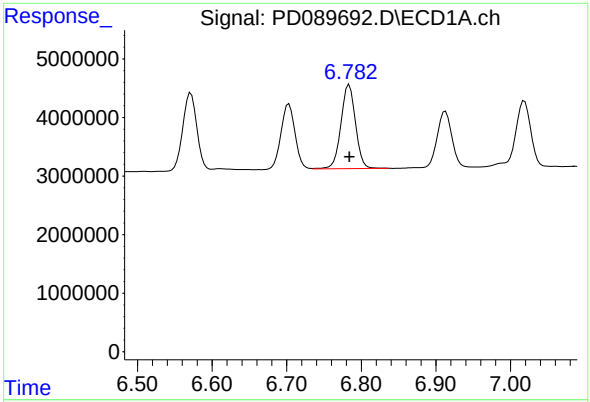
#14 Endrin

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



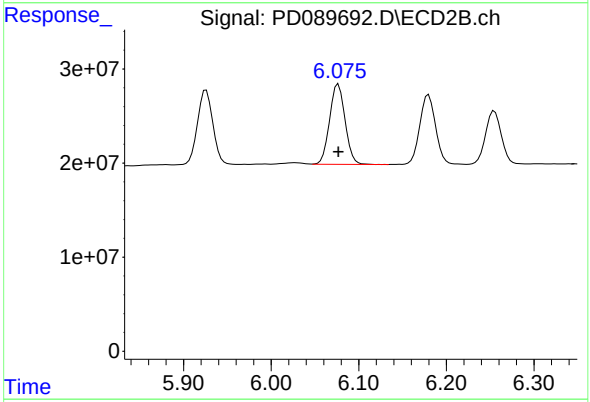
#15 Endosulfan II

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

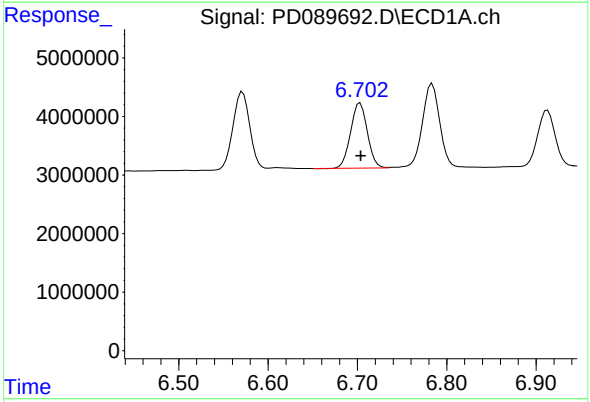
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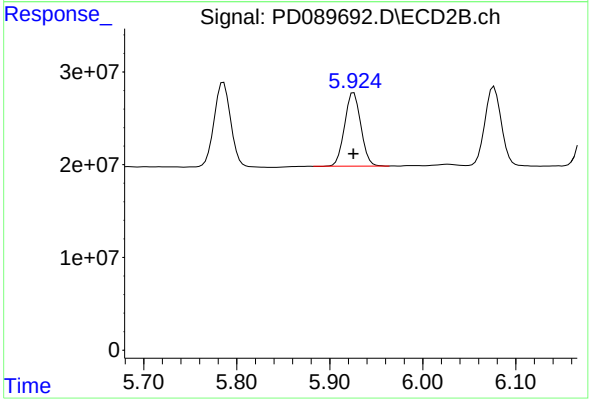
#15 Endosulfan II

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



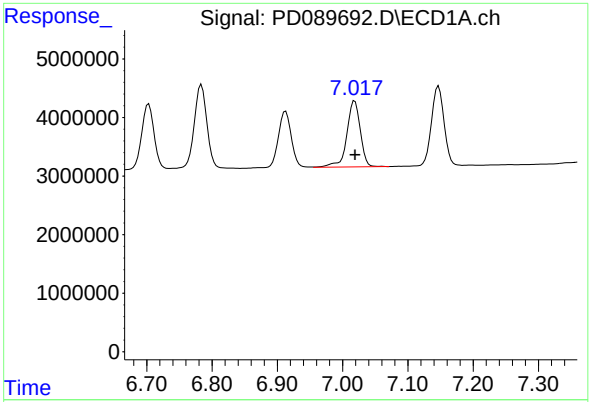
#16 4,4'-DDD

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



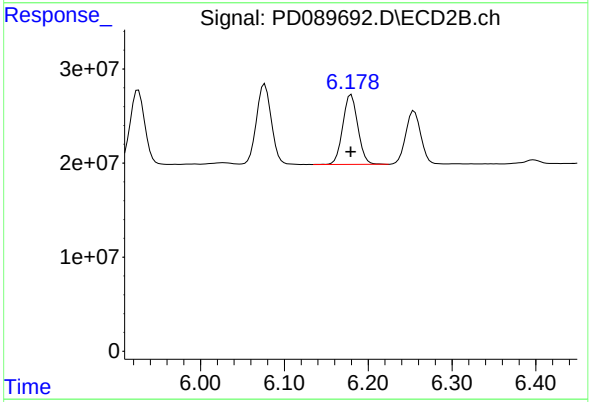
#17 4,4'-DDT

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

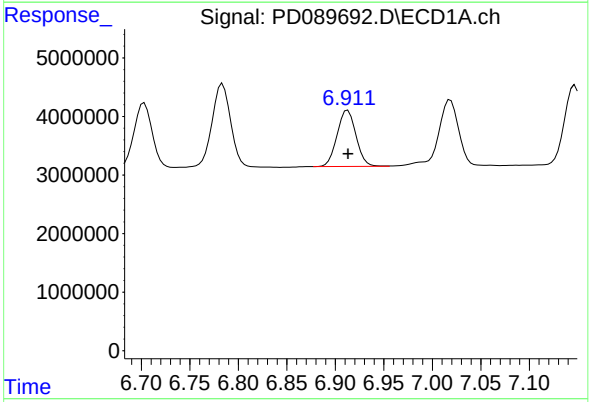
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Supervised By :mohammad ahmed 08/01/2025



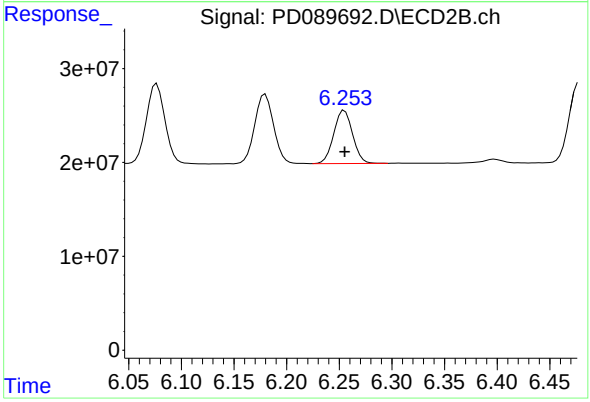
#17 4,4'-DDT

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



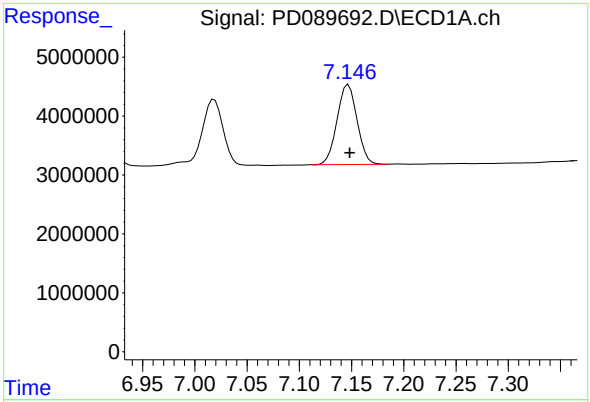
#18 Endrin aldehyde

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



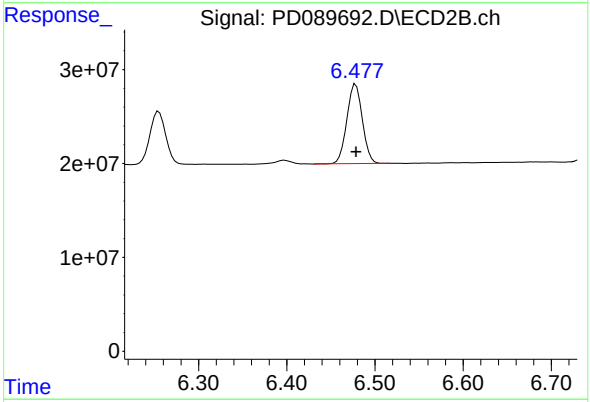
#19 Endosulfan Sulfate

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

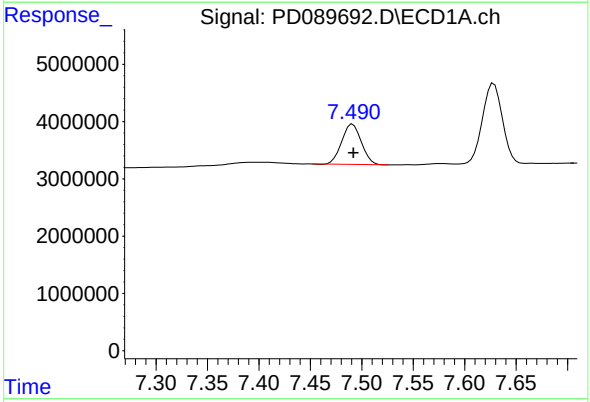
Manual Integrations APPROVED

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



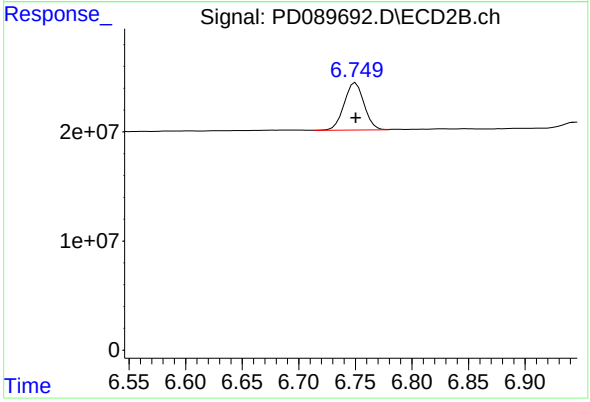
#19 Endosulfan Sulfate

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



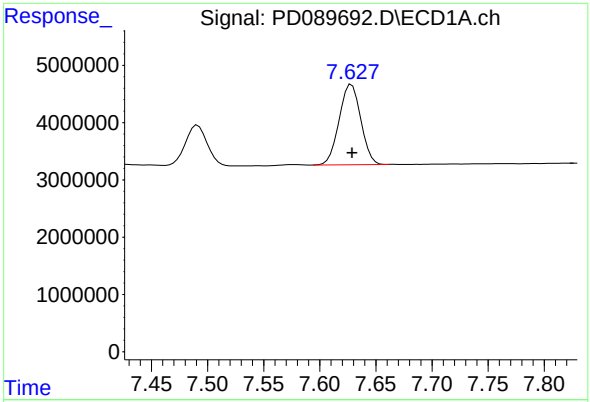
#20 Methoxychlor

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



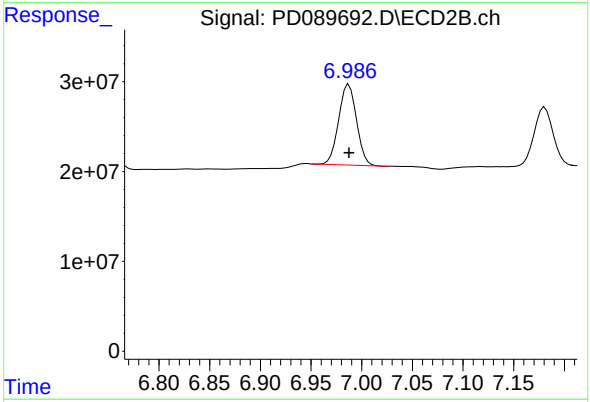
#21 Endrin ketone

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

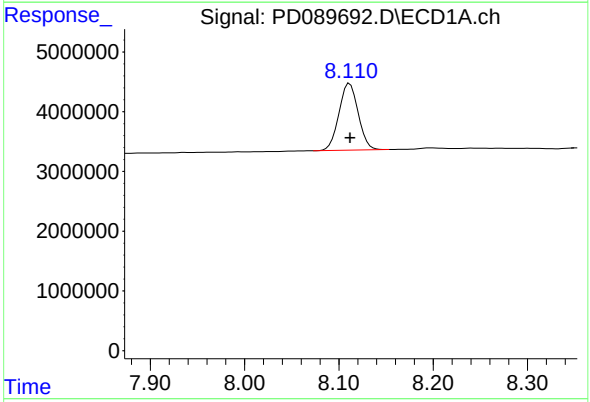
Manual Integrations APPROVED

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



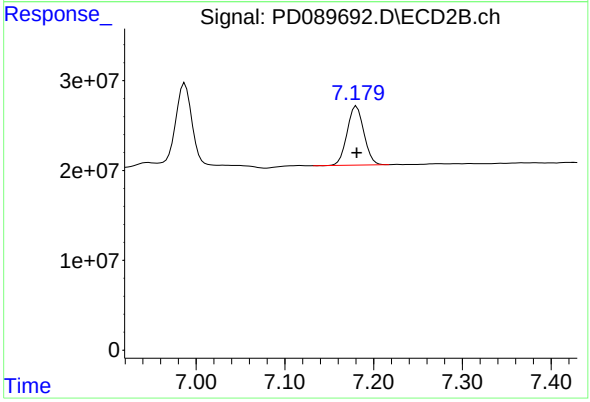
#21 Endrin ketone

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



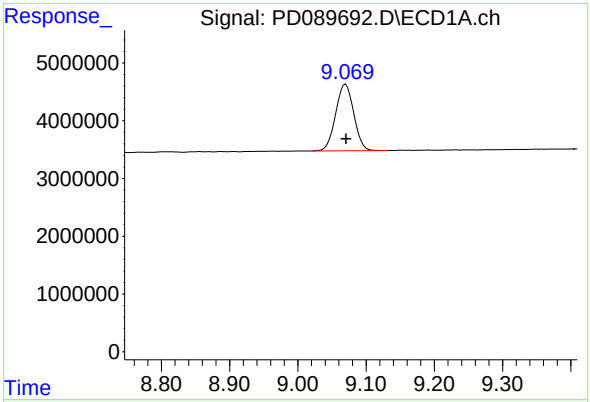
#22 Mirex

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



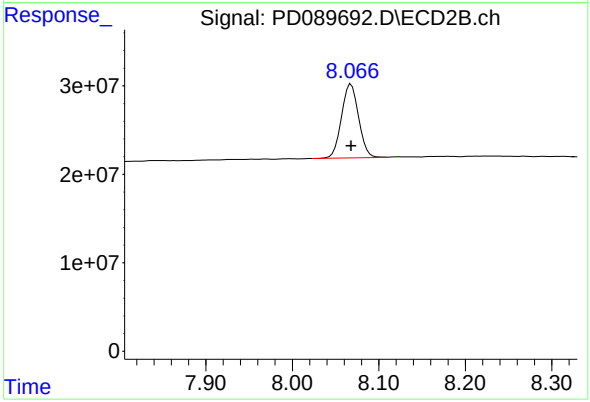
#28 Decachlorobiphenyl

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

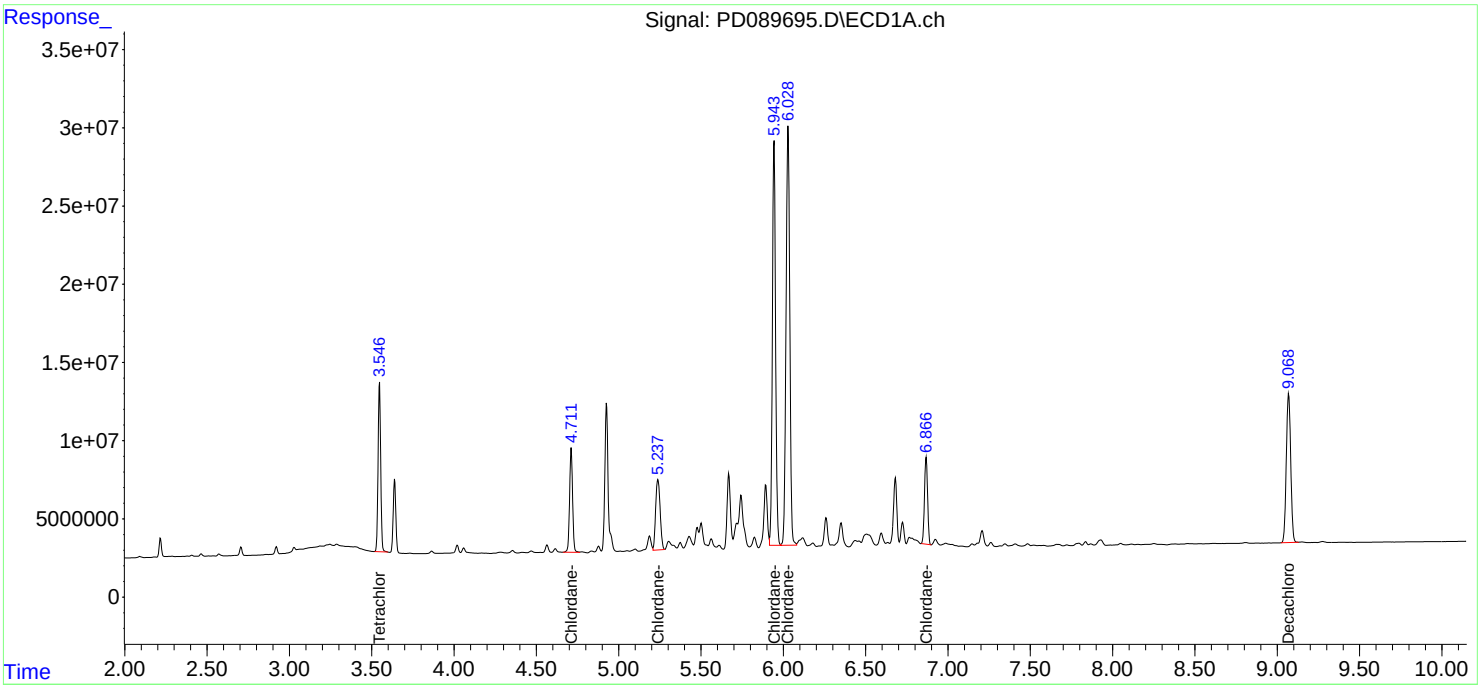
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

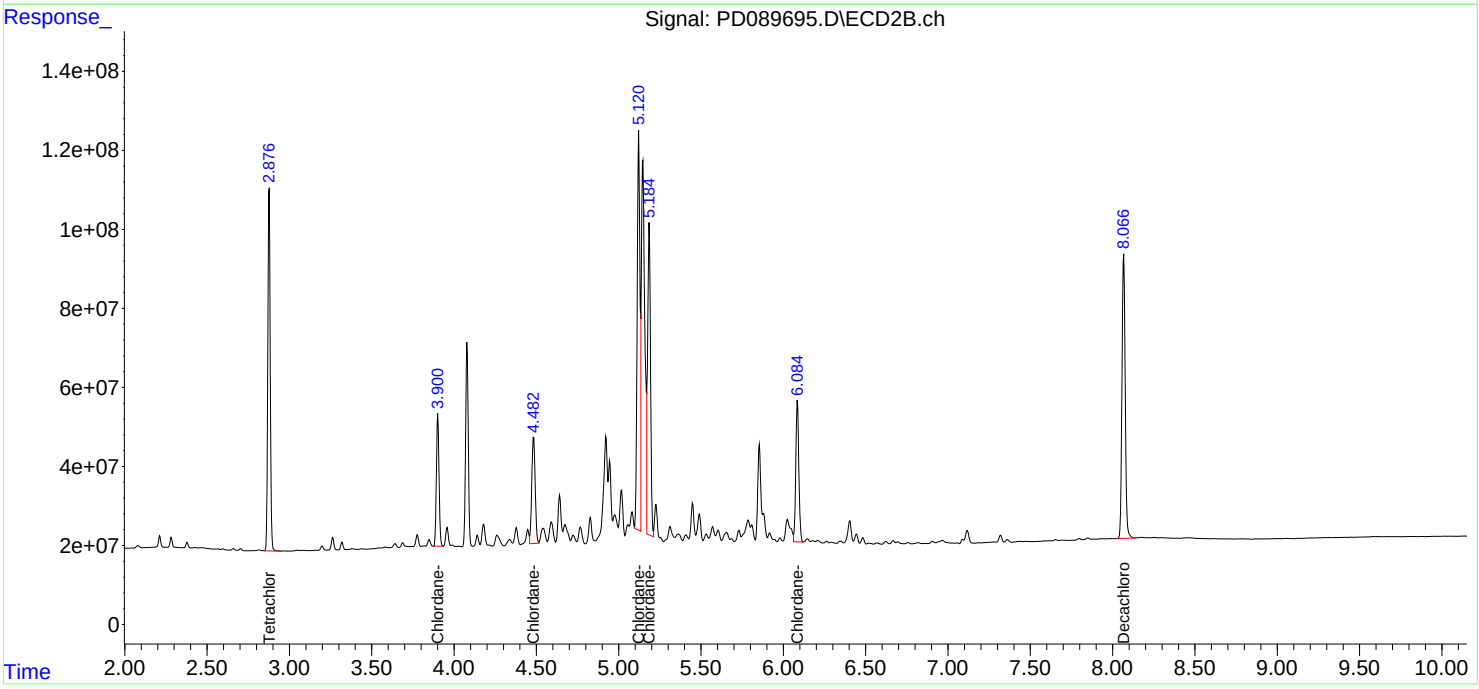
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 13:23
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

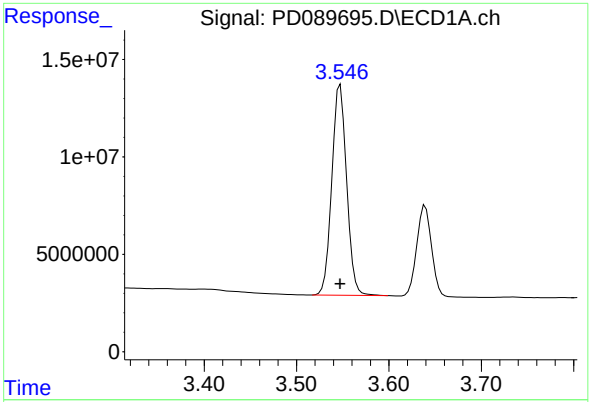
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

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



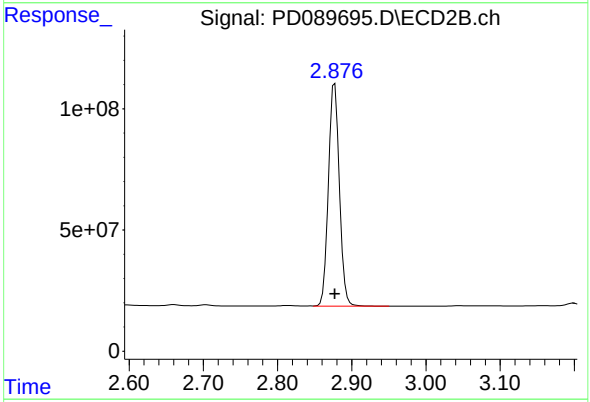




#1 Tetrachloro-m-xylene

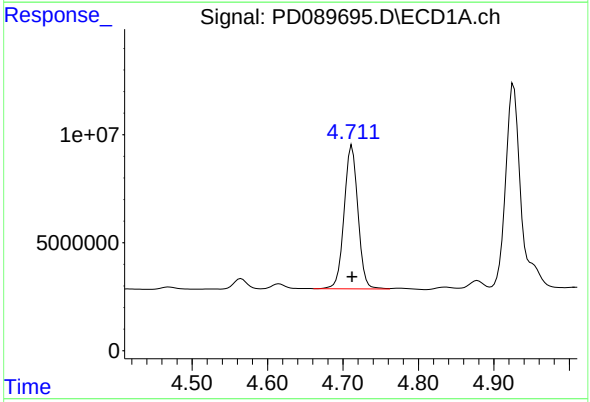
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 120454144
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



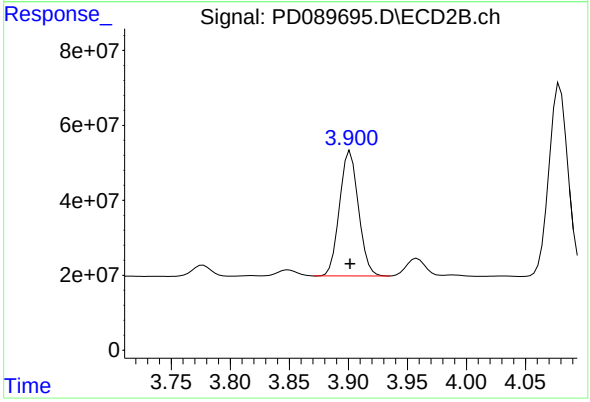
#1 Tetrachloro-m-xylene

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



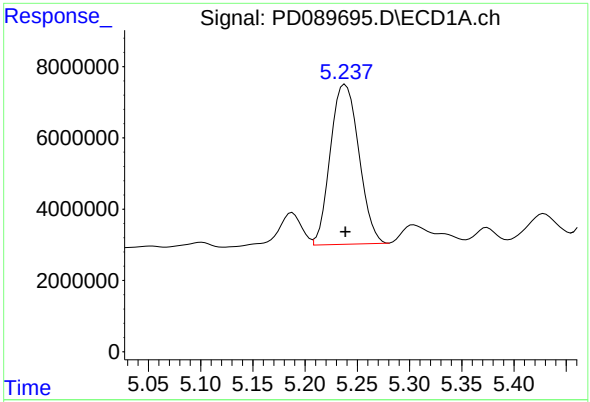
#23 Chlordane-1

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



#23 Chlordane-1

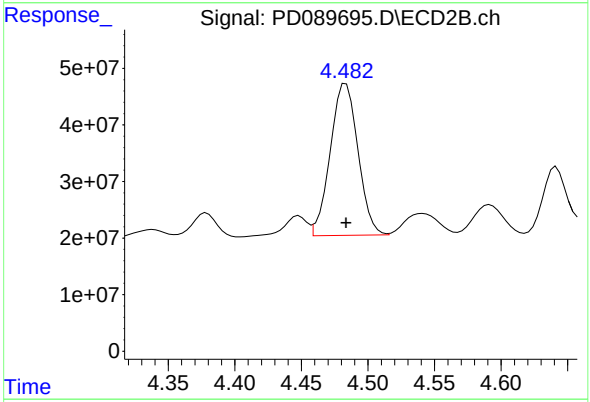
R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 372667142
Conc: 500.00 ng/ml



#24 Chlordane-2

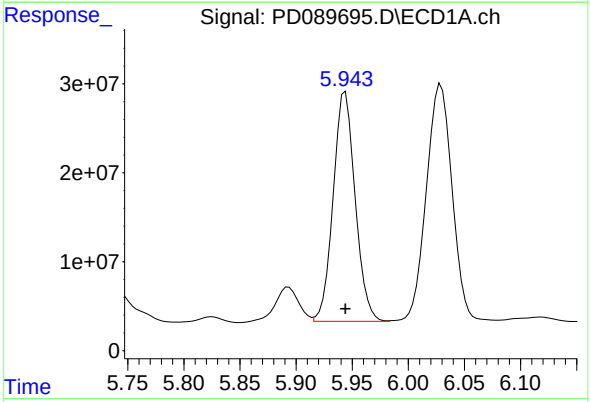
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 85139038
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



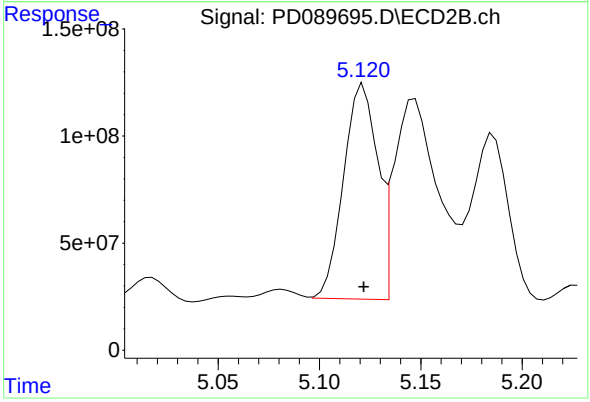
#24 Chlordane-2

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



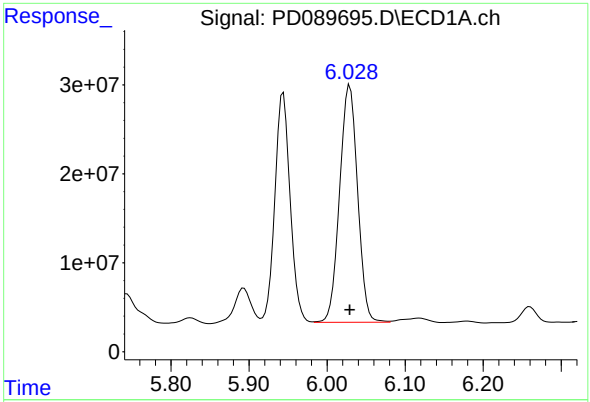
#25 Chlordane-3

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



#25 Chlordane-3

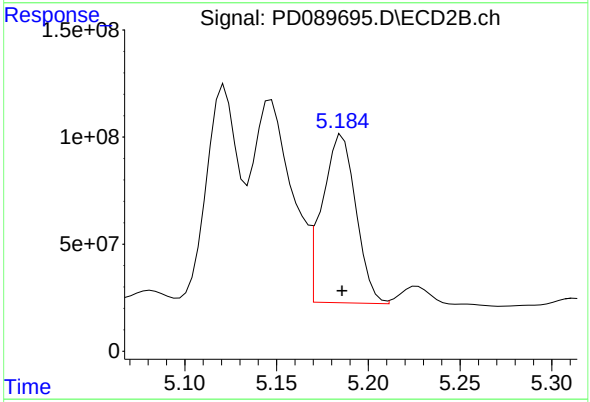
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1170269551
Conc: 500.00 ng/ml



#26 Chlordane-4

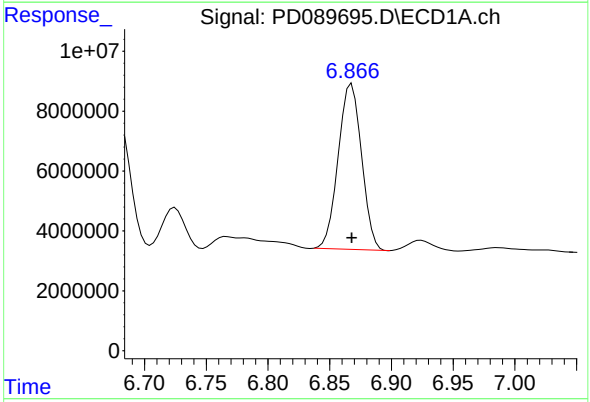
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 426332129
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



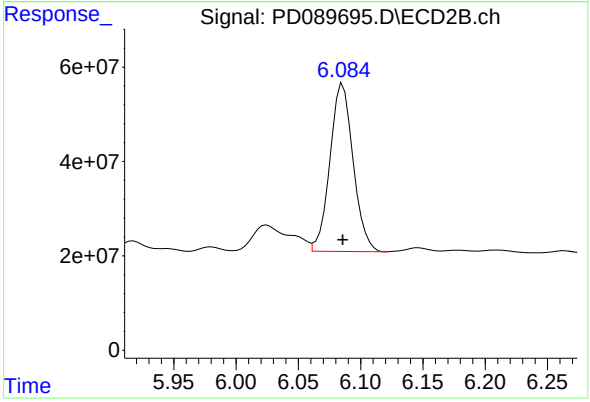
#26 Chlordane-4

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



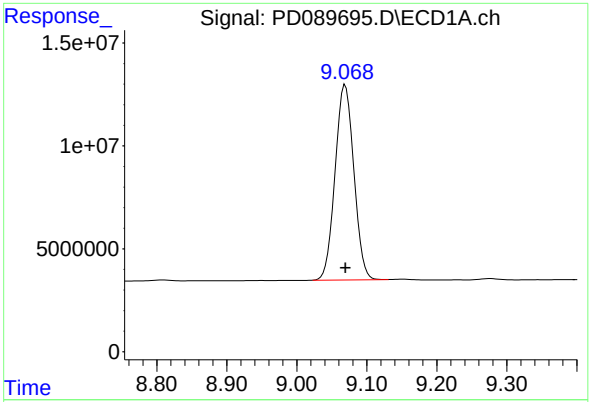
#27 Chlordane-5

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



#27 Chlordane-5

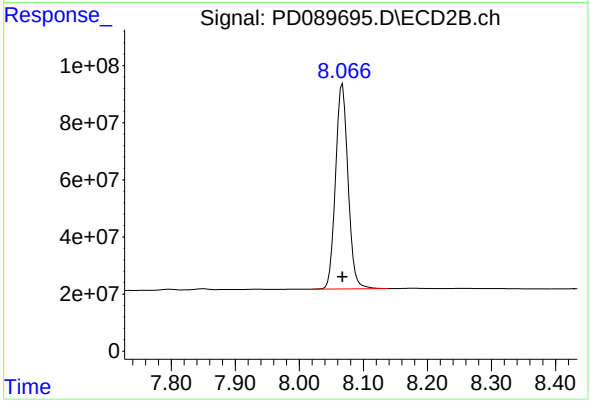
R.T.: 6.086 min
Delta R.T.: 0.000 min
Response: 462521233
Conc: 500.00 ng/ml



#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

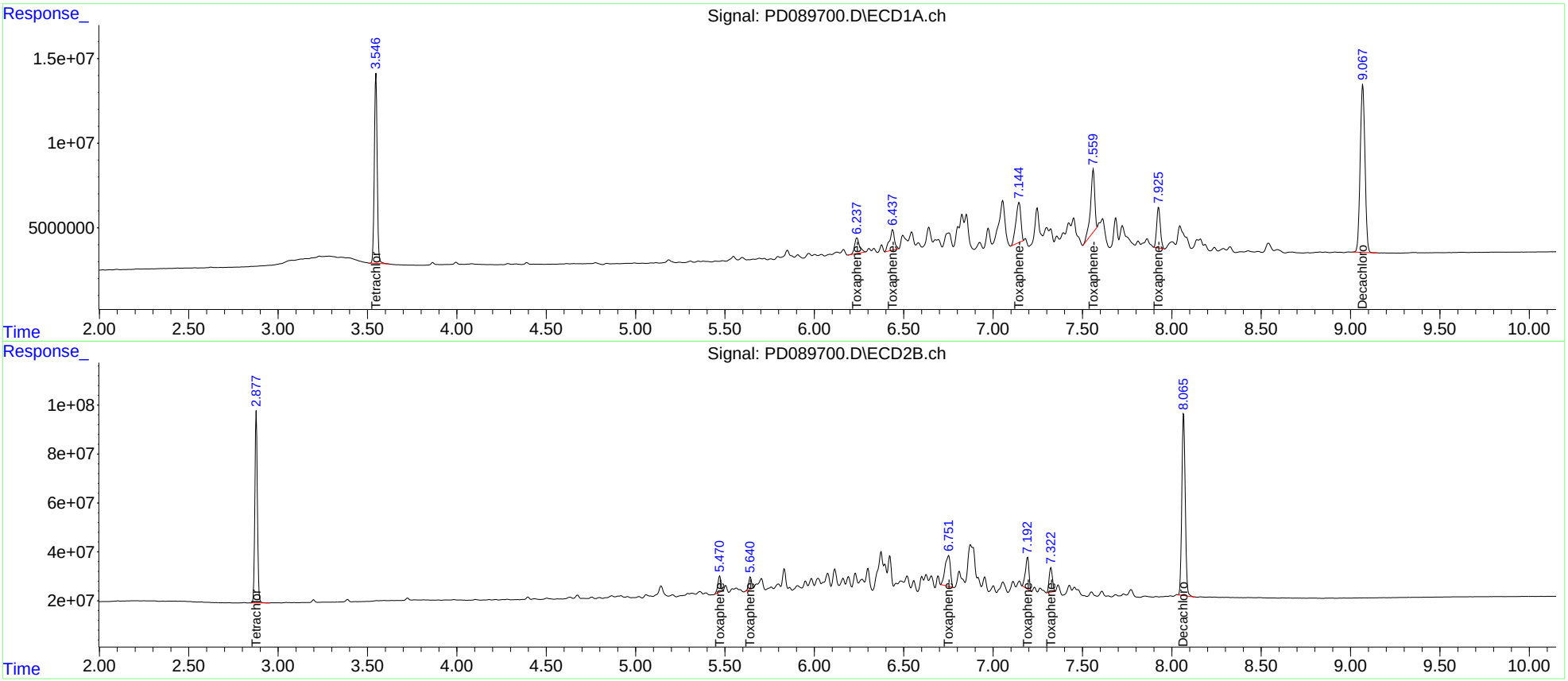
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

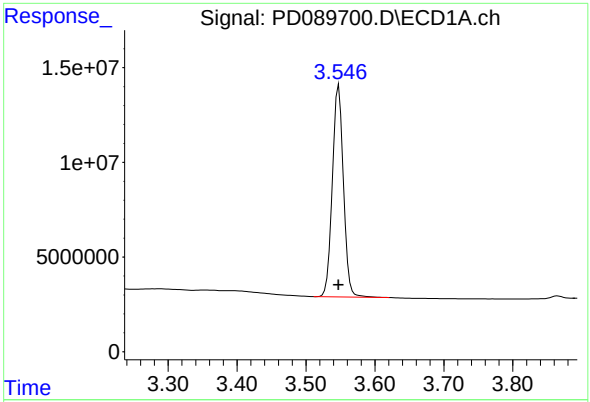
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089700.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 14:31
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

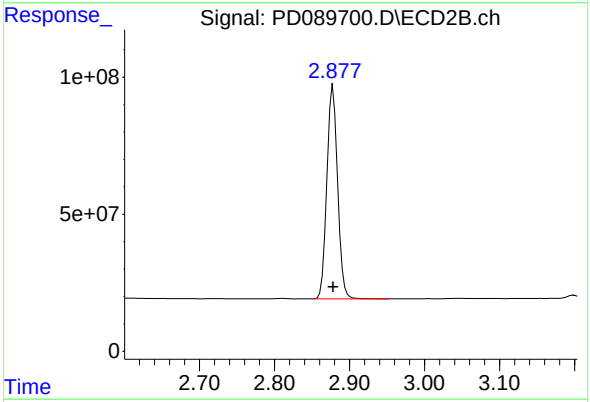




#1 Tetrachloro-m-xylene

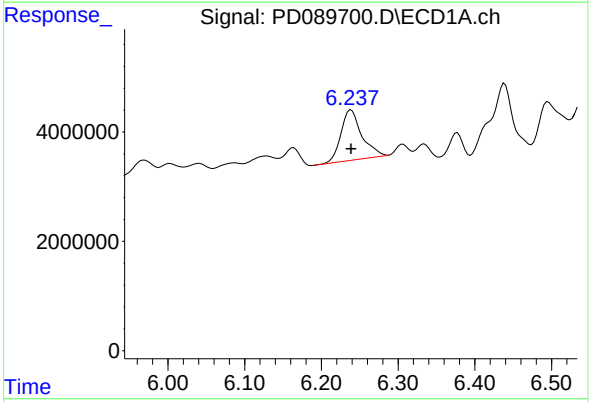
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 124762614
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



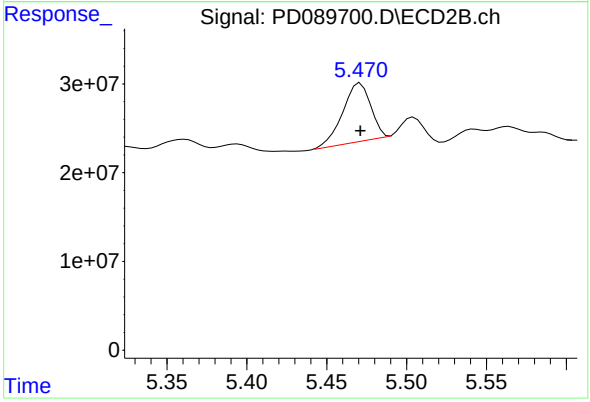
#1 Tetrachloro-m-xylene

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



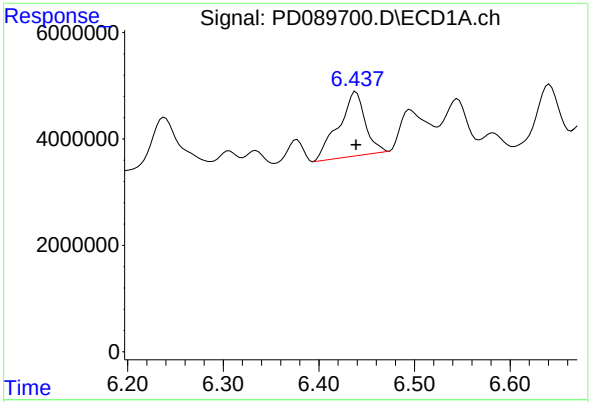
#2 Toxaphene-1

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



#2 Toxaphene-1

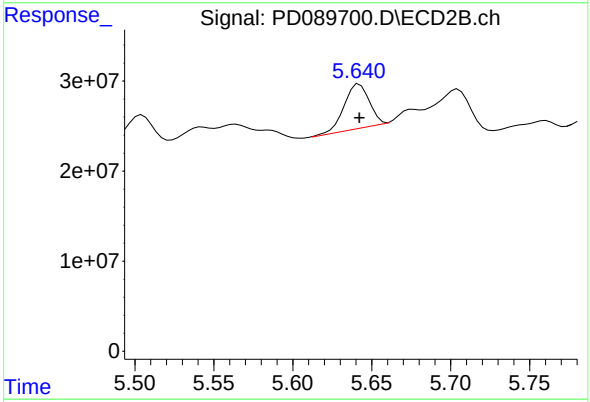
R.T.: 5.471 min
Delta R.T.: 0.000 min
Response: 79994774
Conc: 500.00 ng/ml



#3 Toxaphene-2

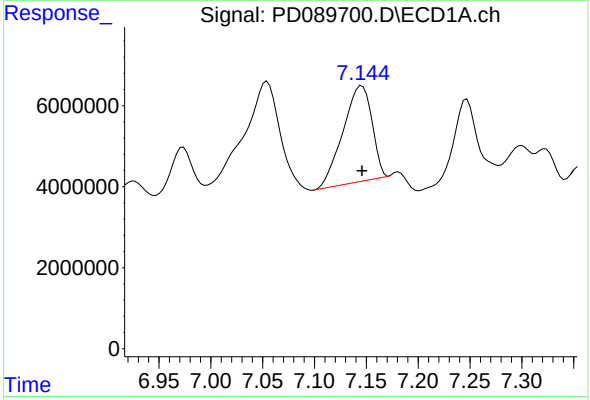
R.T.: 6.439 min
Delta R.T.: 0.000 min
Response: 23341665
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



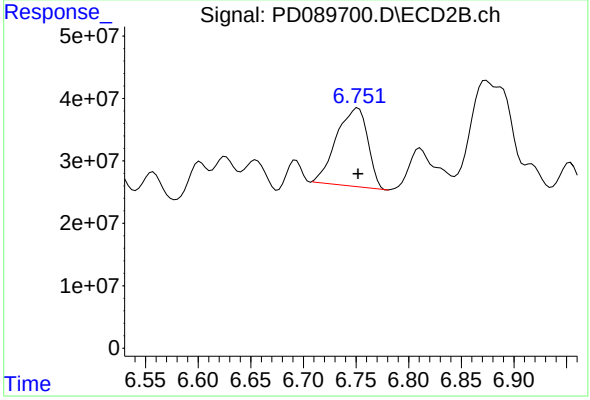
#3 Toxaphene-2

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



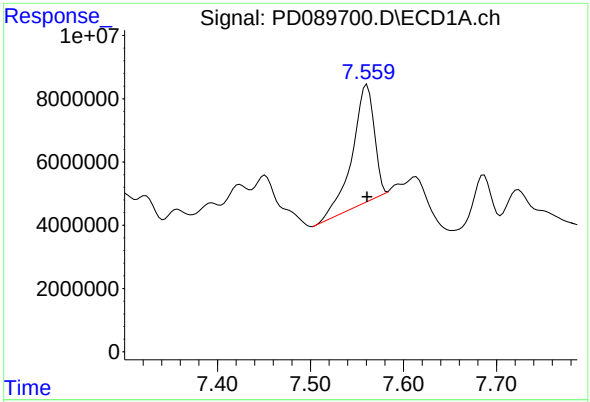
#4 Toxaphene-3

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



#4 Toxaphene-3

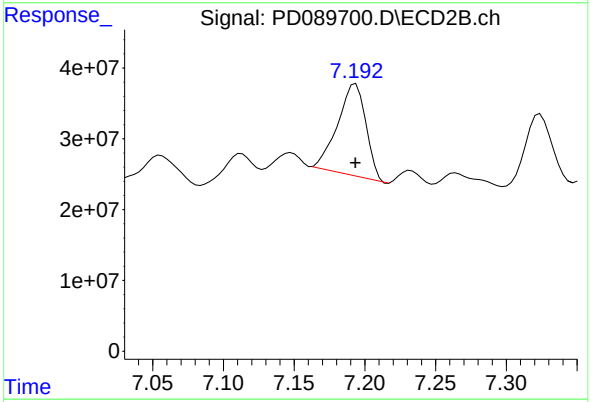
R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 259788454
Conc: 500.00 ng/ml



#5 Toxaphene-4

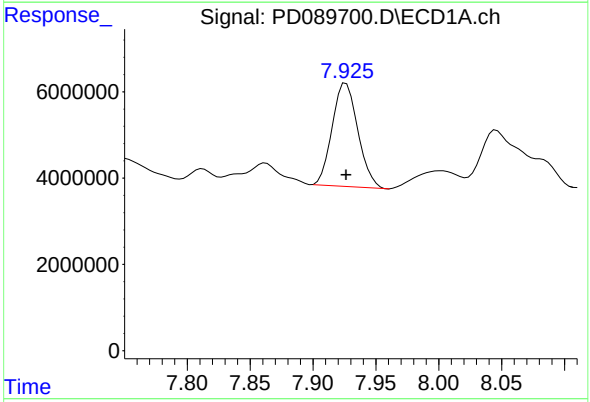
R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 60366168
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



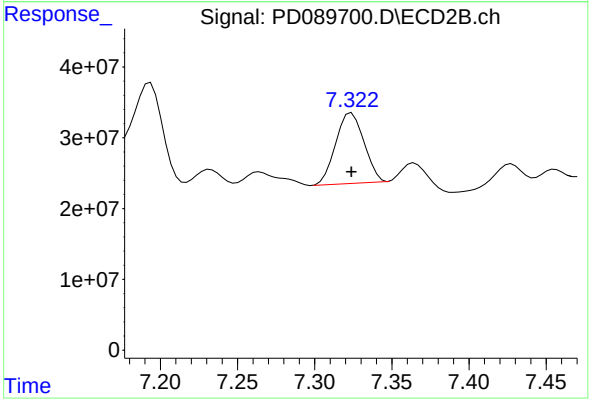
#5 Toxaphene-4

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



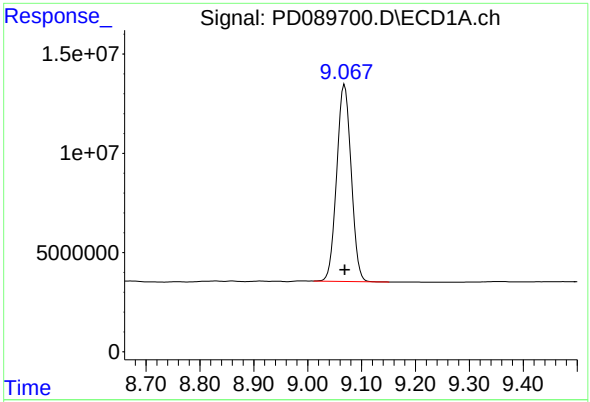
#6 Toxaphene-5

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



#6 Toxaphene-5

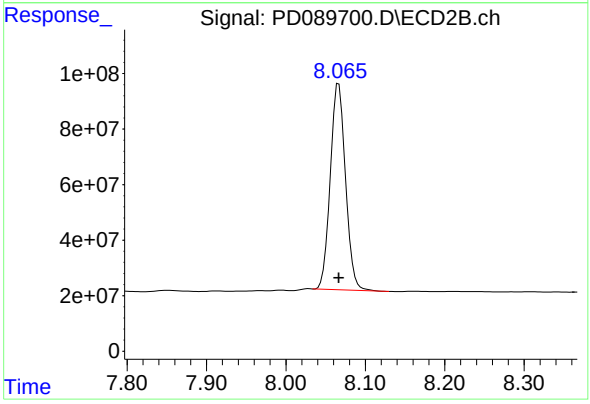
R.T.: 7.324 min
Delta R.T.: 0.000 min
Response: 127056856
Conc: 500.00 ng/ml



#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

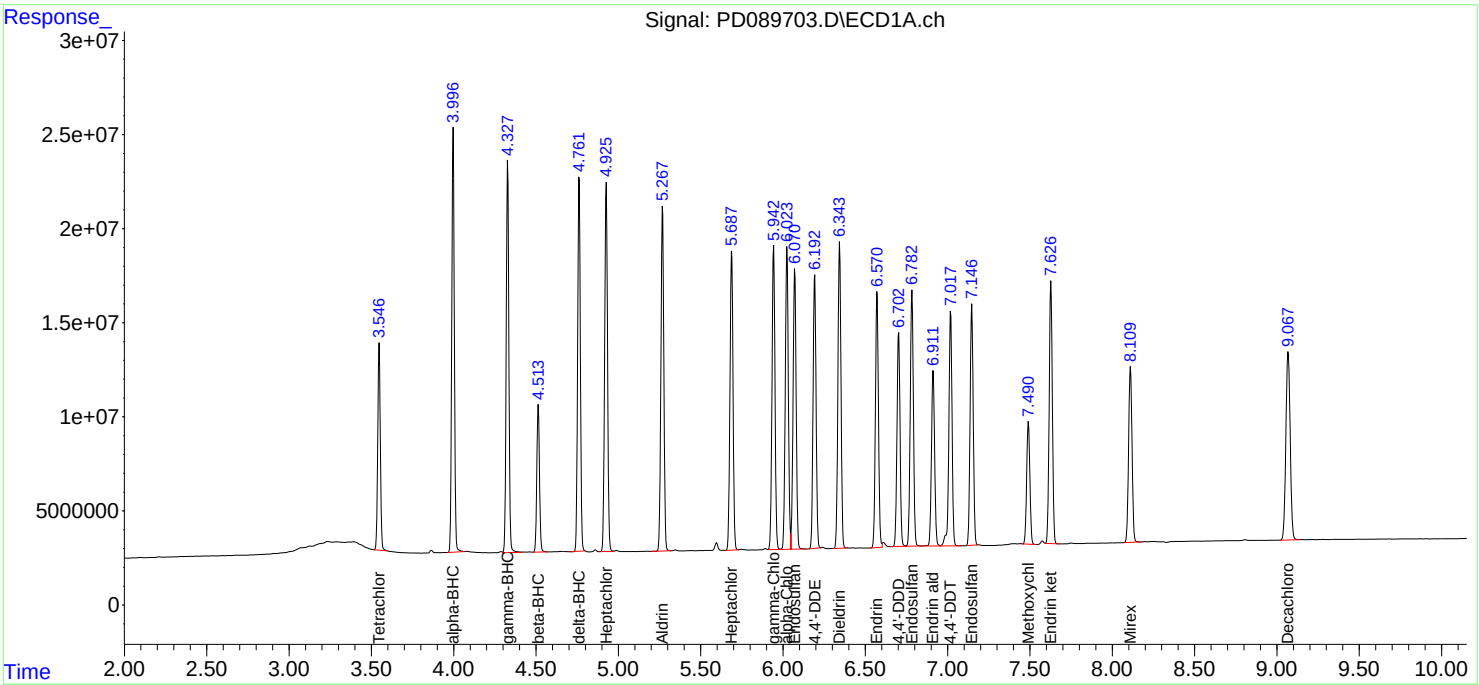
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

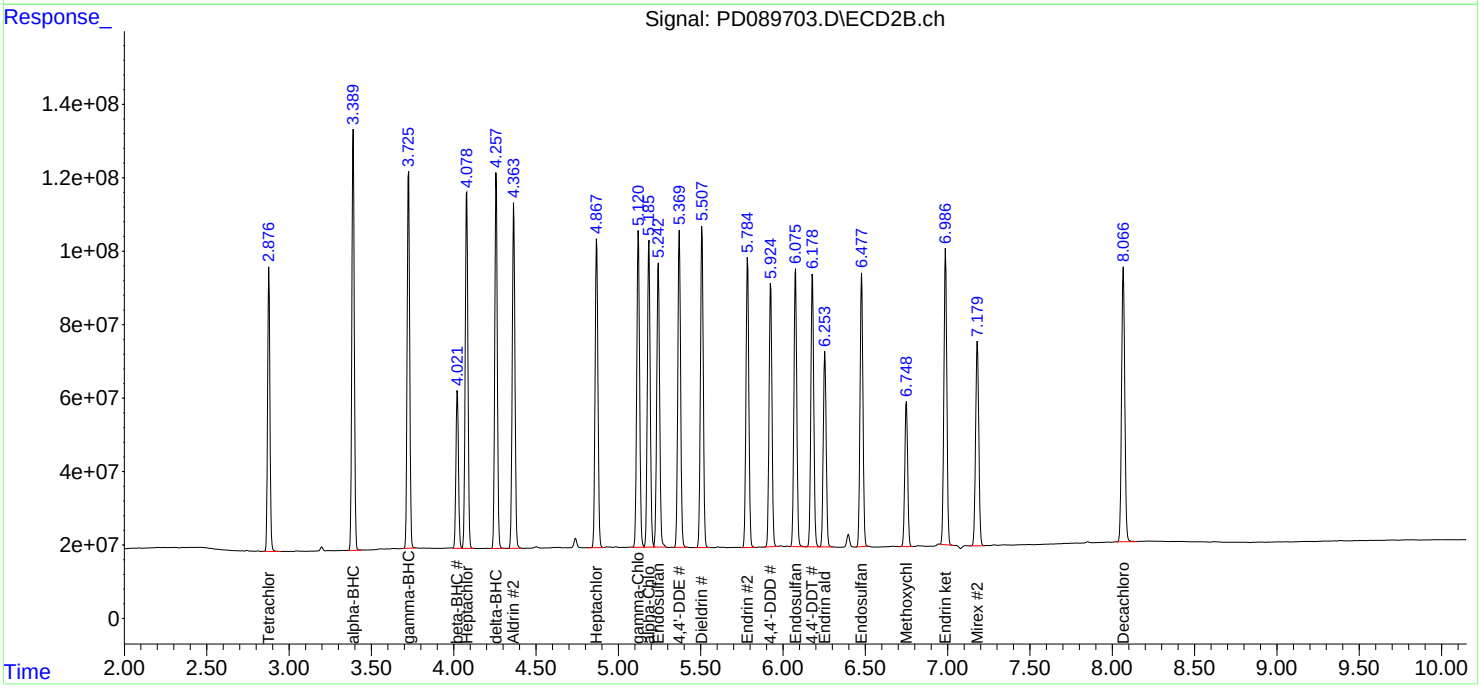
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 15:11
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

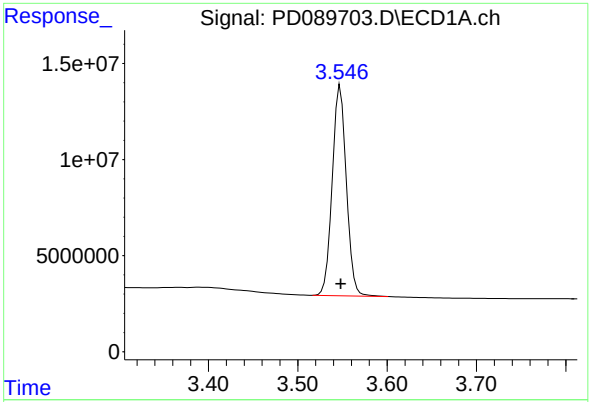
Instrument :
ECD_D
ClientSampleId :
ICVPD073125

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



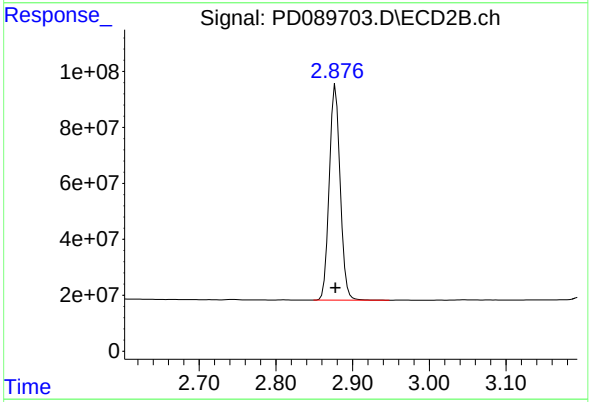




#1 Tetrachloro-m-xylene

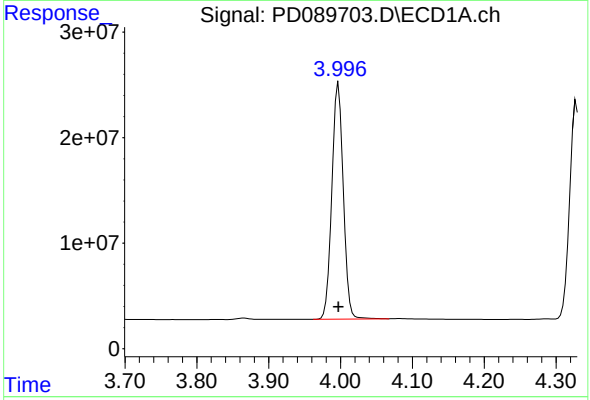
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 119982629
Conc: 48.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



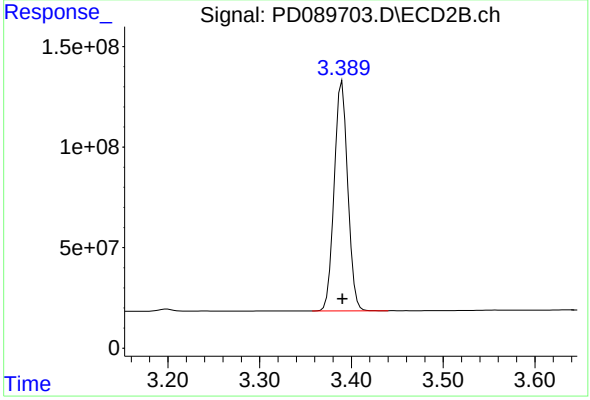
#1 Tetrachloro-m-xylene

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



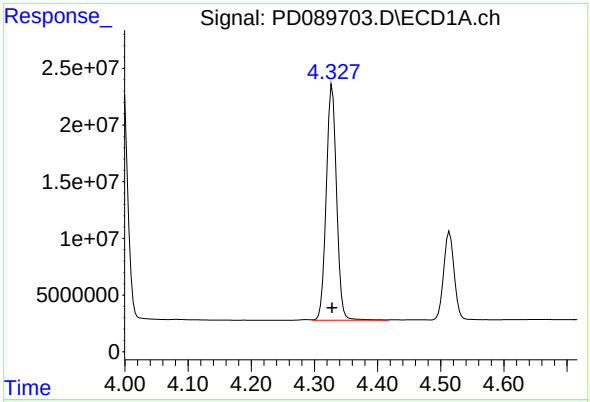
#2 alpha-BHC

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



#2 alpha-BHC

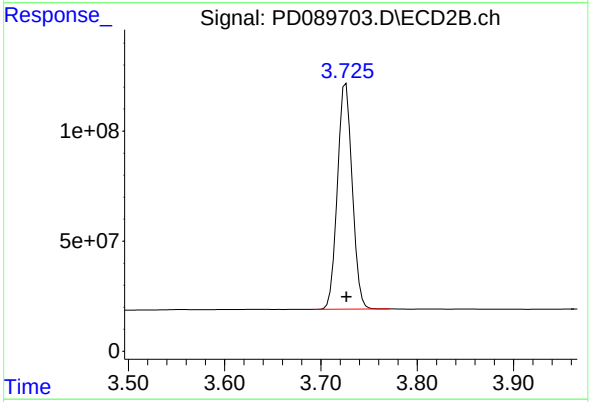
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1174913854
Conc: 48.34 ng/ml



#3 gamma-BHC (Lindane)

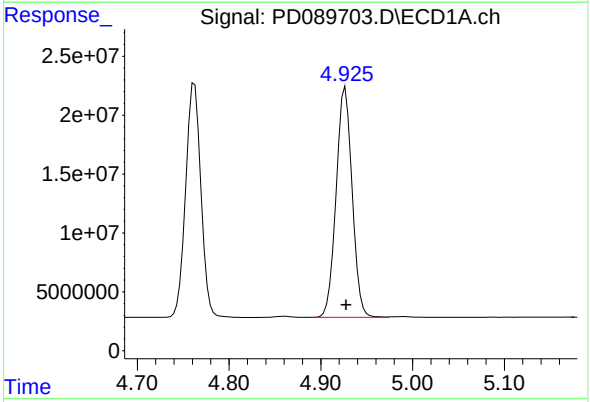
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 234964000
Conc: 49.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



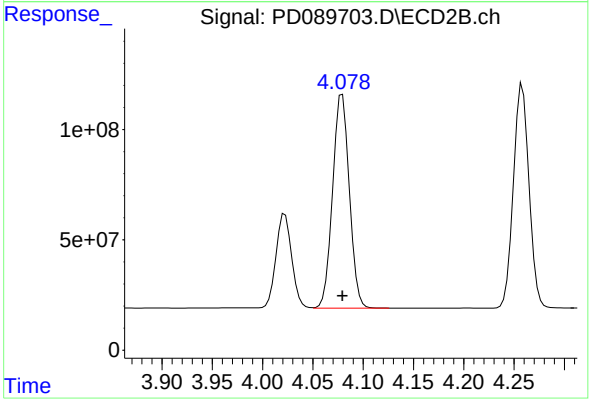
#3 gamma-BHC (Lindane)

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



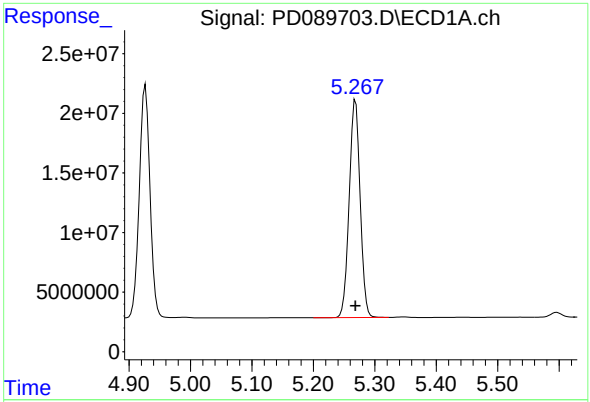
#4 Heptachlor

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



#4 Heptachlor

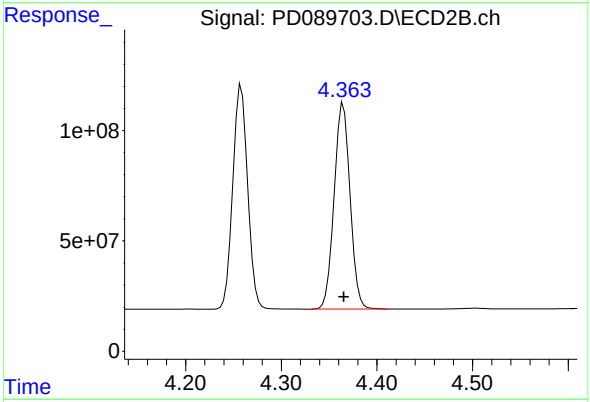
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1118158494
Conc: 48.18 ng/ml



#5 Aldrin

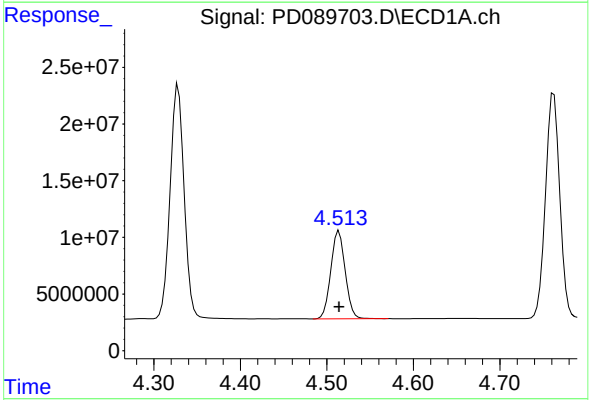
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 226294540
Conc: 49.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



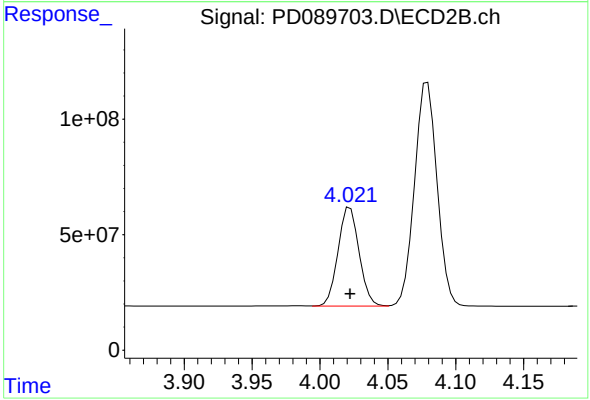
#5 Aldrin

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



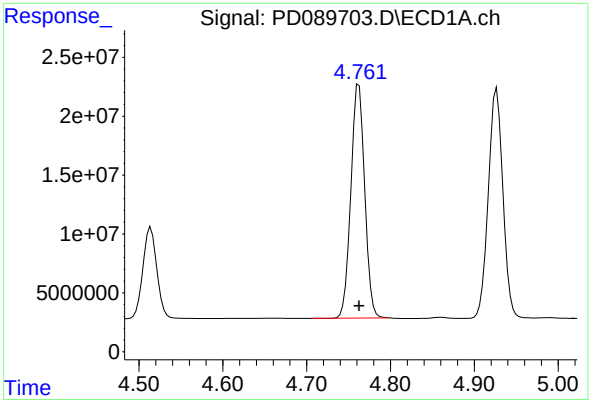
#6 beta-BHC

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



#6 beta-BHC

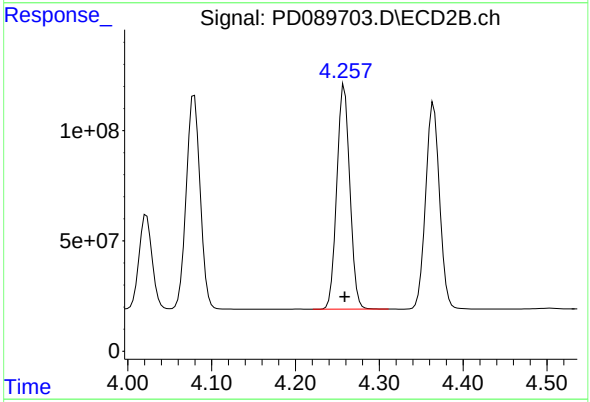
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 462583446
Conc: 47.94 ng/ml



#7 delta-BHC

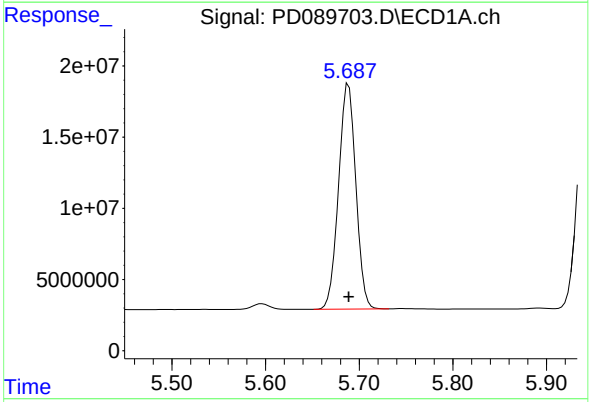
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 227815973
Conc: 49.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



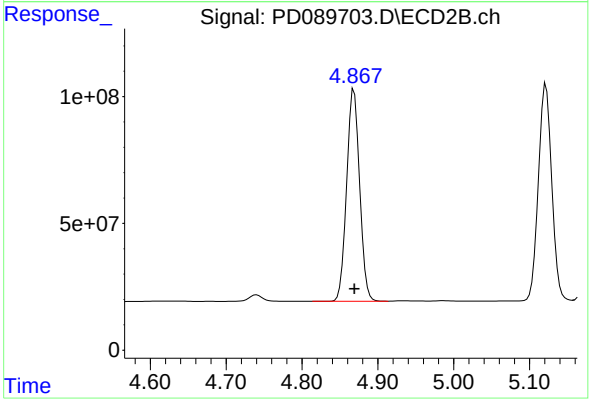
#7 delta-BHC

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



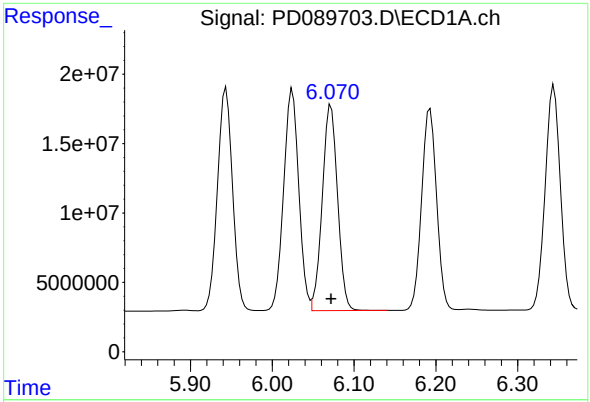
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

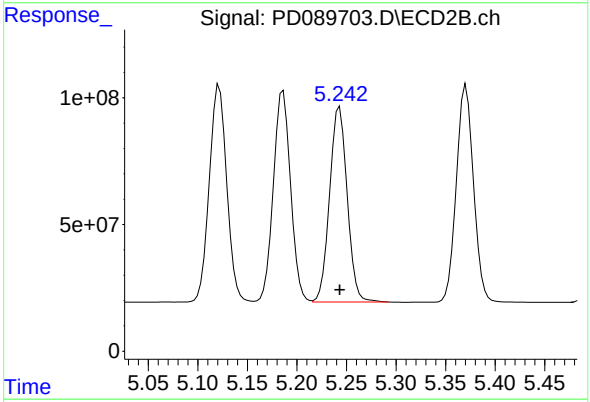
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 995979278
Conc: 48.47 ng/ml



#9 Endosulfan I

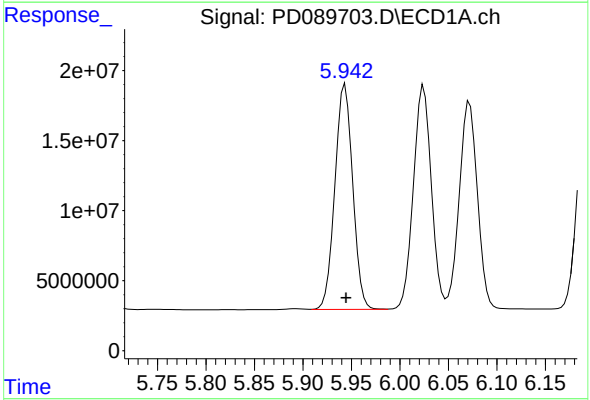
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 193264344
Conc: 48.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



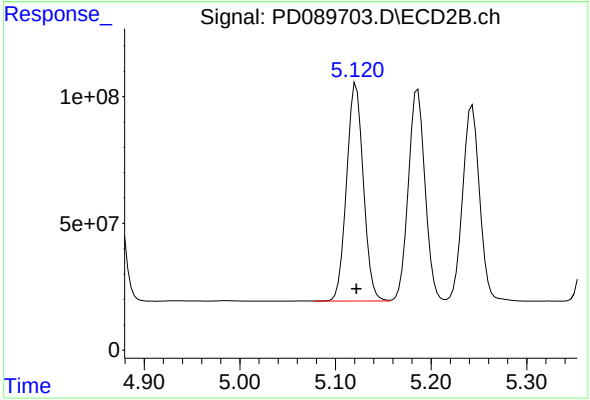
#9 Endosulfan I

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



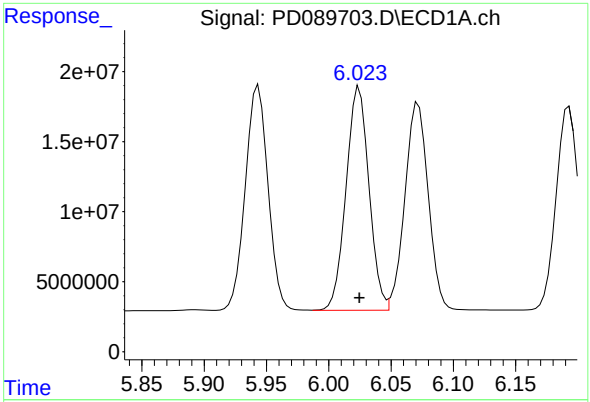
#10 gamma-Chlordane

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



#10 gamma-Chlordane

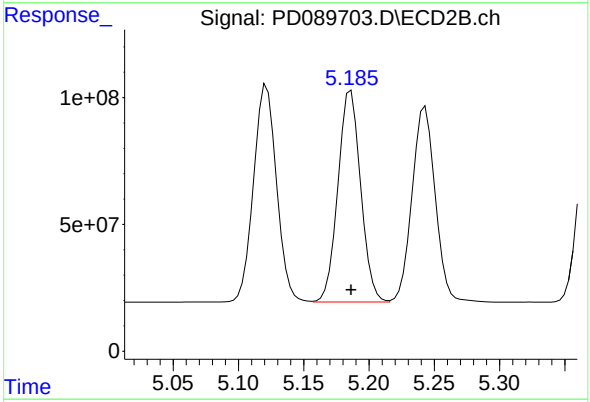
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1052132119
Conc: 48.59 ng/ml



#11 alpha-Chlordane

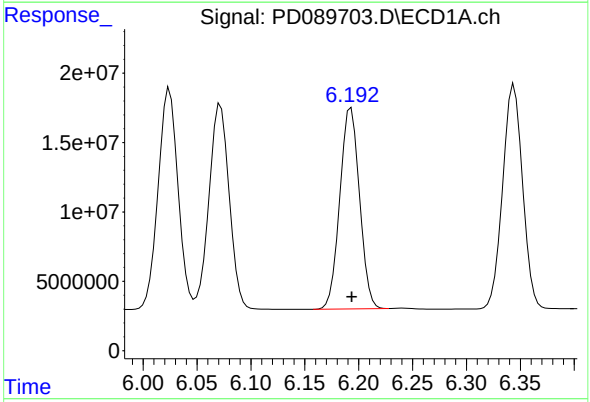
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 205360588
Conc: 48.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



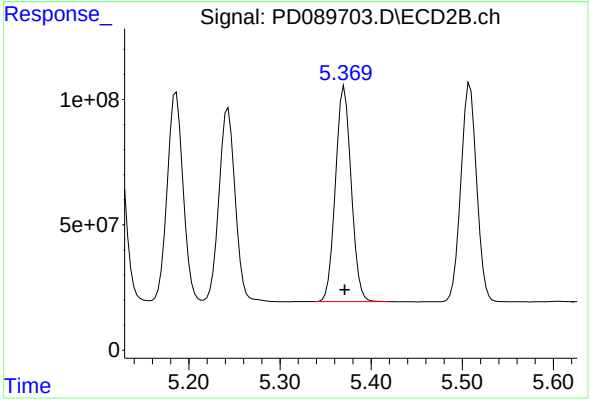
#11 alpha-Chlordane

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



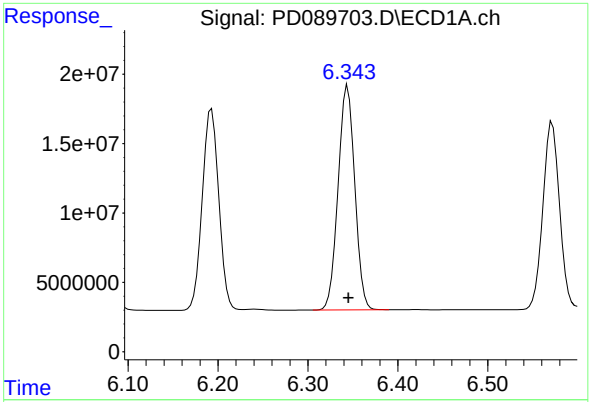
#12 4,4'-DDE

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



#12 4,4'-DDE

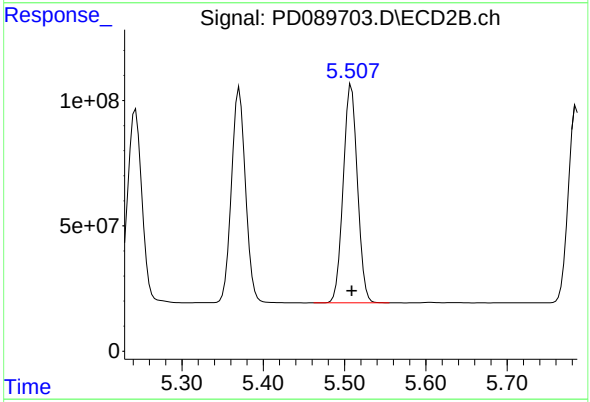
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1030805280
Conc: 48.77 ng/ml



#13 Dieldrin

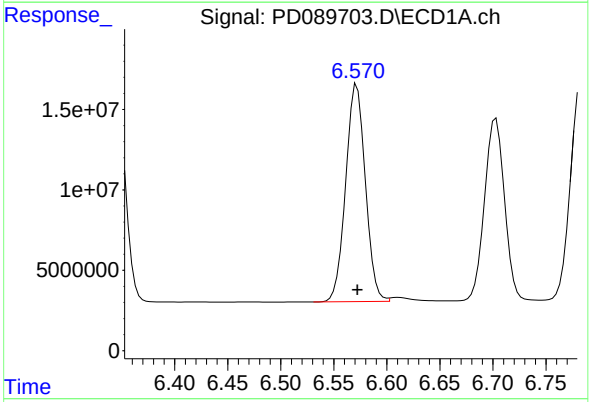
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 208388607
Conc: 49.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



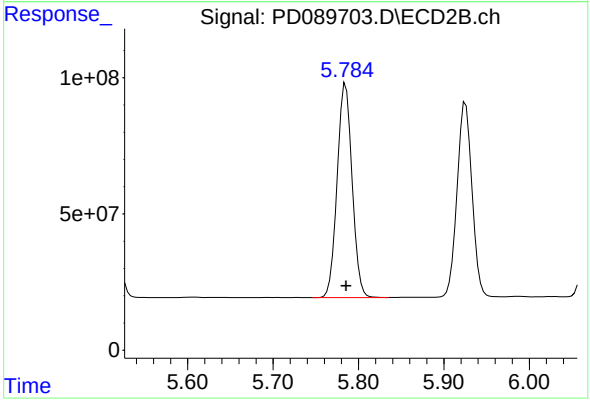
#13 Dieldrin

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



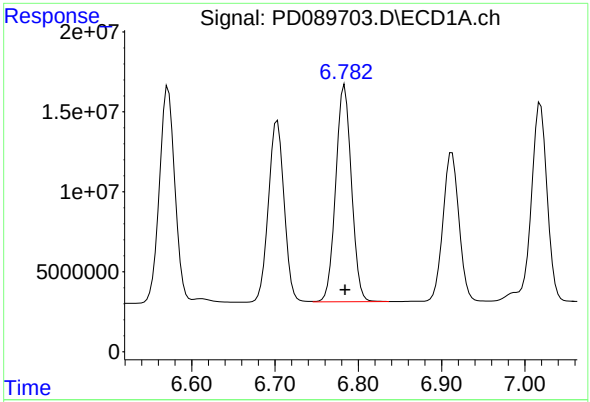
#14 Endrin

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



#14 Endrin

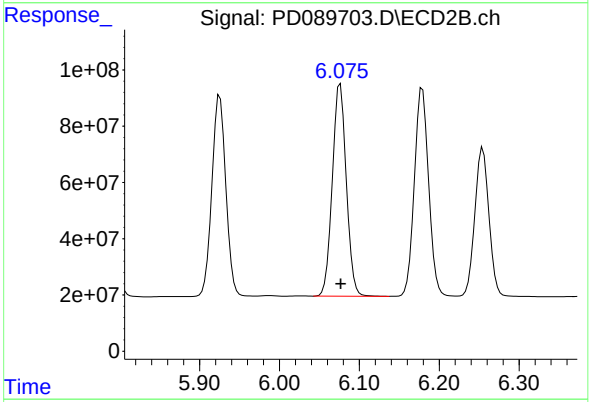
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 956372429
Conc: 48.00 ng/ml



#15 Endosulfan II

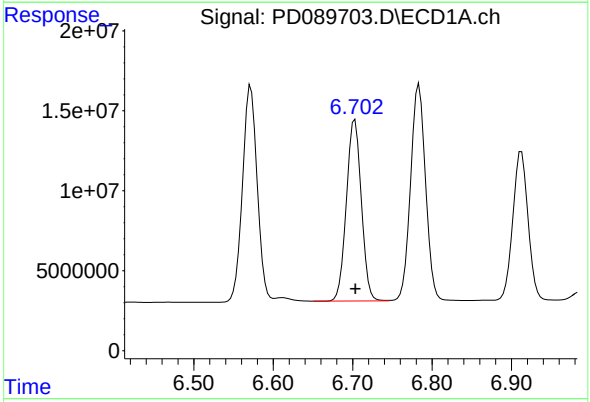
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 177466456
Conc: 48.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



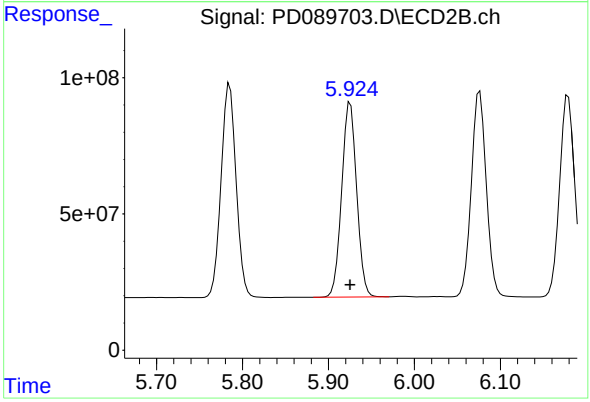
#15 Endosulfan II

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



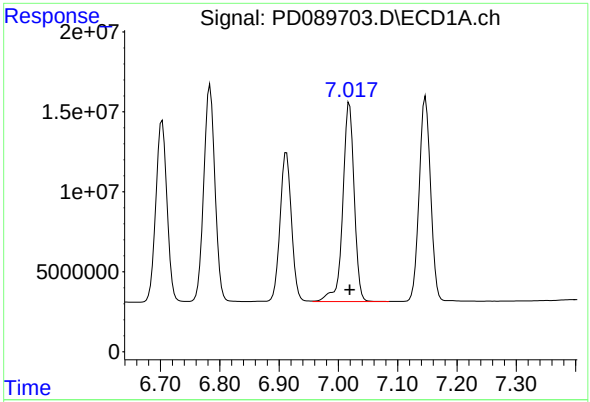
#16 4,4'-DDD

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



#16 4,4'-DDD

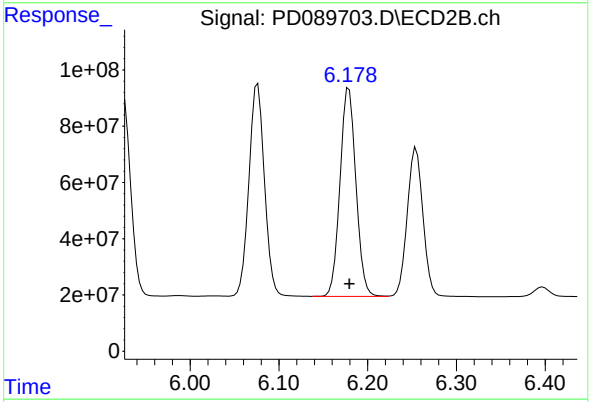
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 869040484
Conc: 49.29 ng/ml



#17 4,4'-DDT

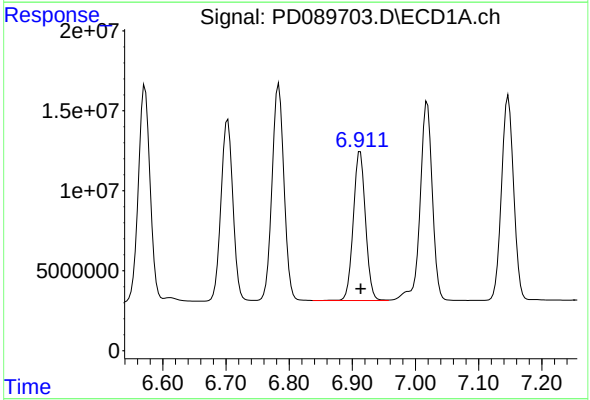
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 166612160
Conc: 49.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



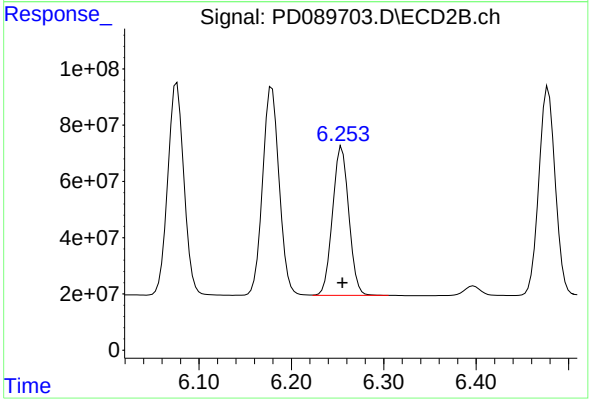
#17 4,4'-DDT

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



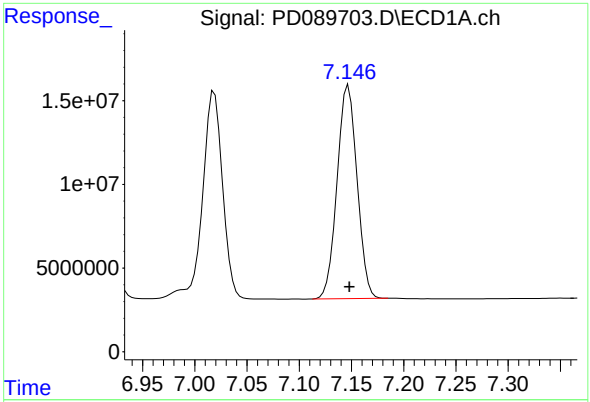
#18 Endrin aldehyde

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



#18 Endrin aldehyde

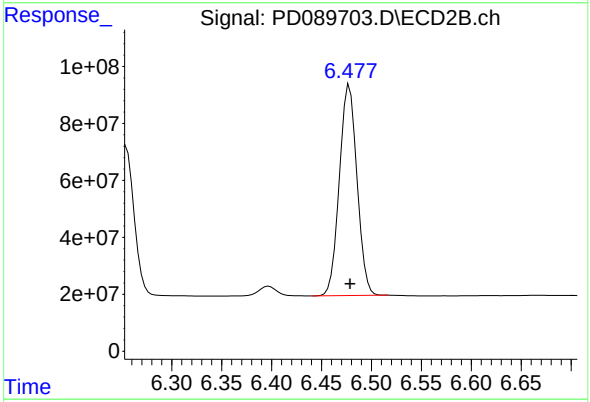
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 648485626
Conc: 50.19 ng/ml



#19 Endosulfan Sulfate

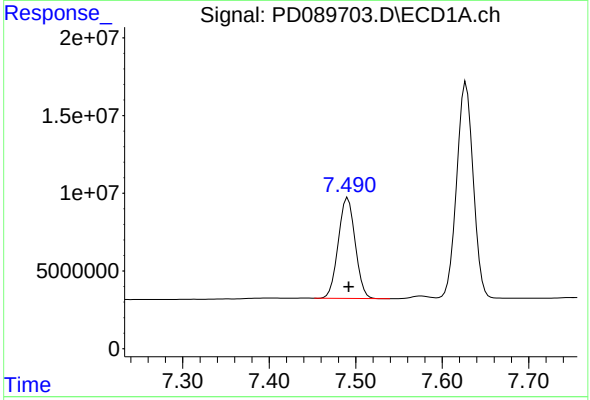
R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 169388064
Conc: 48.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



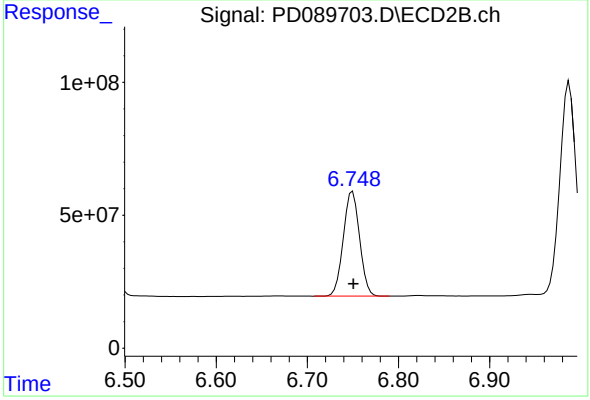
#19 Endosulfan Sulfate

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



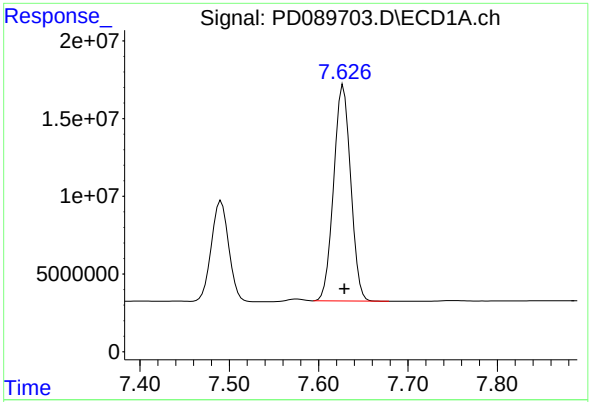
#20 Methoxychlor

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



#20 Methoxychlor

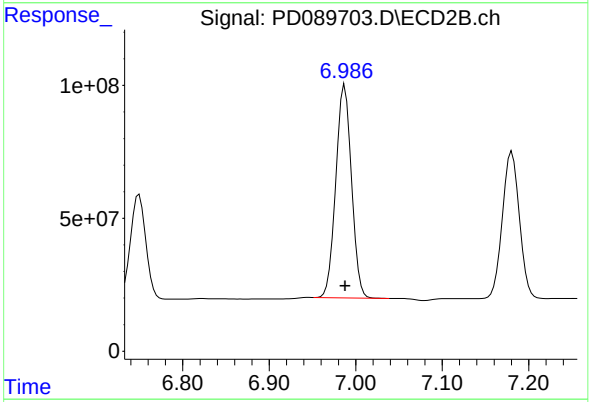
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 489233174
Conc: 49.94 ng/ml



#21 Endrin ketone

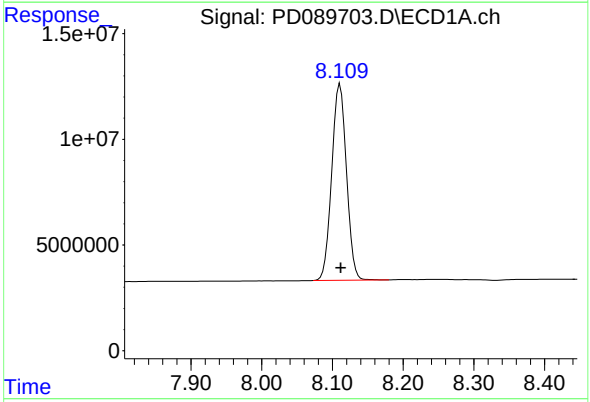
R.T.: 7.628 min
Delta R.T.: -0.001 min
Response: 184026247
Conc: 49.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD073125



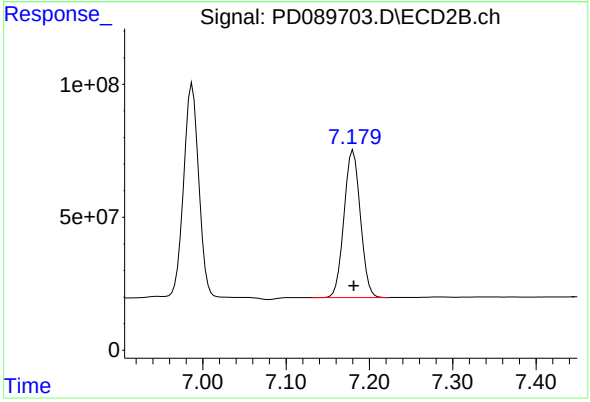
#21 Endrin ketone

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



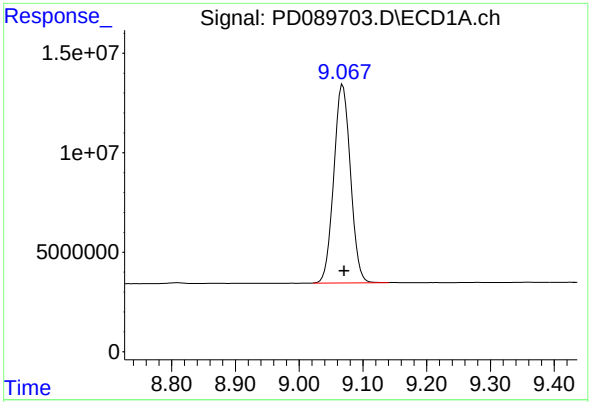
#22 Mirex

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



#22 Mirex

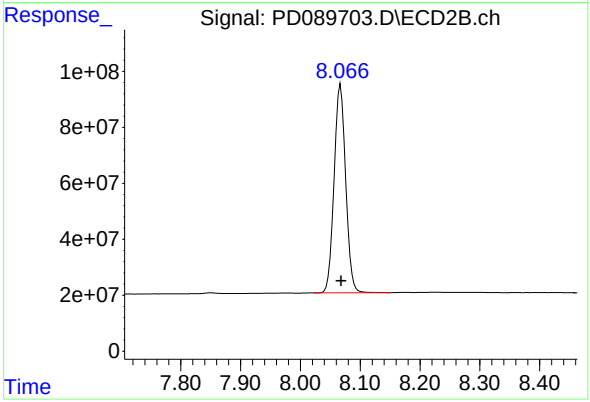
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 755703437
Conc: 49.65 ng/ml



#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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 16:05 **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	0.00
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	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 16:05 **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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089864.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.604	6.804	49.600	50.000	-0.8
4,4'-DDE	6.196	6.094	6.294	46.960	50.000	-6.1
4,4'-DDT	7.022	6.919	7.119	41.600	50.000	-16.8
Aldrin	5.271	5.169	5.369	48.730	50.000	-2.5
alpha-BHC	4.000	3.897	4.097	50.030	50.000	0.1
alpha-Chlordane	6.027	5.925	6.125	47.320	50.000	-5.4
beta-BHC	4.518	4.414	4.614	49.650	50.000	-0.7
Decachlorobiphenyl	9.071	8.971	9.171	44.030	50.000	-11.9
delta-BHC	4.766	4.663	4.863	49.480	50.000	-1.0
Dieldrin	6.347	6.245	6.445	46.880	50.000	-6.2
Endosulfan I	6.075	5.972	6.172	46.970	50.000	-6.1
Endosulfan II	6.787	6.684	6.884	44.850	50.000	-10.3
Endosulfan sulfate	7.150	7.048	7.248	44.710	50.000	-10.6
Endrin	6.574	6.472	6.672	43.730	50.000	-12.5
Endrin aldehyde	6.915	6.813	7.013	47.460	50.000	-5.1
Endrin ketone	7.631	7.529	7.729	44.950	50.000	-10.1
gamma-BHC (Lindane)	4.331	4.228	4.428	49.460	50.000	-1.1
gamma-Chlordane	5.946	5.844	6.044	47.130	50.000	-5.7
Heptachlor	4.929	4.827	5.027	46.100	50.000	-7.8
Heptachlor epoxide	5.691	5.589	5.789	47.670	50.000	-4.7
Methoxychlor	7.494	7.392	7.592	42.100	50.000	-15.8
Tetrachloro-m-xylene	3.551	3.448	3.648	48.190	50.000	-3.6

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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089864.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.825	6.025	60.020	50.000	20.0
4,4'-DDE	5.370	5.271	5.471	58.070	50.000	16.1
4,4'-DDT	6.179	6.079	6.279	54.460	50.000	8.9
Aldrin	4.364	4.265	4.465	58.380	50.000	16.8
alpha-BHC	3.390	3.290	3.490	58.880	50.000	17.8
alpha-Chlordane	5.186	5.086	5.286	58.270	50.000	16.5
beta-BHC	4.022	3.922	4.122	57.910	50.000	15.8
Decachlorobiphenyl	8.067	7.968	8.168	51.900	50.000	3.8
delta-BHC	4.258	4.159	4.359	58.370	50.000	16.7
Dieldrin	5.508	5.409	5.609	58.000	50.000	16.0
Endosulfan I	5.242	5.143	5.343	55.090	50.000	10.2
Endosulfan II	6.076	5.977	6.177	57.090	50.000	14.2
Endosulfan sulfate	6.478	6.378	6.578	55.500	50.000	11.0
Endrin	5.785	5.685	5.885	57.160	50.000	14.3
Endrin aldehyde	6.254	6.155	6.355	59.290	50.000	18.6
Endrin ketone	6.987	6.888	7.088	56.720	50.000	13.4
gamma-BHC (Lindane)	3.726	3.626	3.826	58.430	50.000	16.9
gamma-Chlordane	5.121	5.022	5.222	58.570	50.000	17.1
Heptachlor	4.079	3.979	4.179	55.600	50.000	11.2
Heptachlor epoxide	4.868	4.769	4.969	57.290	50.000	14.6
Methoxychlor	6.749	6.650	6.850	54.590	50.000	9.2
Tetrachloro-m-xylene	2.878	2.778	2.978	57.670	50.000	15.3

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:05
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 13 02:12:25 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...	3.551	2.878	118.9E6	913.3E6	48.189	57.667	
28)	SA Decachlor...	9.071	8.067	163.6E6	1042.0E6	44.029	51.899	
	Target Compounds							
2)	A alpha-BHC	4.000	3.390	247.8E6	1431.0E6	50.026	58.878	
3)	MA gamma-BHC...	4.331	3.726	235.1E6	1316.1E6	49.465	58.431	
4)	MA Heptachlor	4.929	4.079	221.8E6	1290.5E6	46.099	55.604	
5)	MB Aldrin	5.271	4.364	222.5E6	1298.9E6	48.731	58.376	
6)	B beta-BHC	4.518	4.022	91593149	558.7E6	49.653	57.907	
7)	B delta-BHC	4.766	4.258	226.9E6	1326.0E6	49.478	58.373	
8)	B Heptachlo...	5.691	4.868	199.3E6	1177.3E6	47.669	57.292	
9)	A Endosulfan I	6.075	5.242	186.2E6	1076.8E6	46.971	55.086	
10)	B gamma-Chl...	5.946	5.121	196.9E6	1268.3E6	47.126	58.573	
11)	B alpha-Chl...	6.027	5.186	198.9E6	1213.3E6	47.315	58.272	
12)	B 4,4'-DDE	6.196	5.370	175.2E6	1227.5E6	46.961	58.074	
13)	MA Dieldrin	6.347	5.508	198.0E6	1255.0E6	46.876	57.996	
14)	MA Endrin	6.574	5.785	156.5E6	1138.9E6	43.730	57.158	#
15)	B Endosulfa...	6.787	6.076	164.6E6	1073.3E6	44.854	57.095	#
16)	A 4,4'-DDD	6.705	5.925	148.5E6	1058.4E6	49.600	60.025	
17)	MA 4,4'-DDT	7.022	6.179	139.8E6	1000.5E6	41.599	54.457	#
18)	B Endrin al...	6.915	6.254	118.4E6	766.1E6	47.458	59.293	
19)	B Endosulfa...	7.150	6.478	155.1E6	1030.3E6	44.709	55.497	
20)	A Methoxychlor	7.494	6.749	75279187	534.7E6	42.103	54.587	#
21)	B Endrin ke...	7.631	6.987	167.0E6	1138.4E6	44.955	56.724	#
22)	Mirex	8.113	7.180	120.7E6	855.6E6	43.282	56.212	#

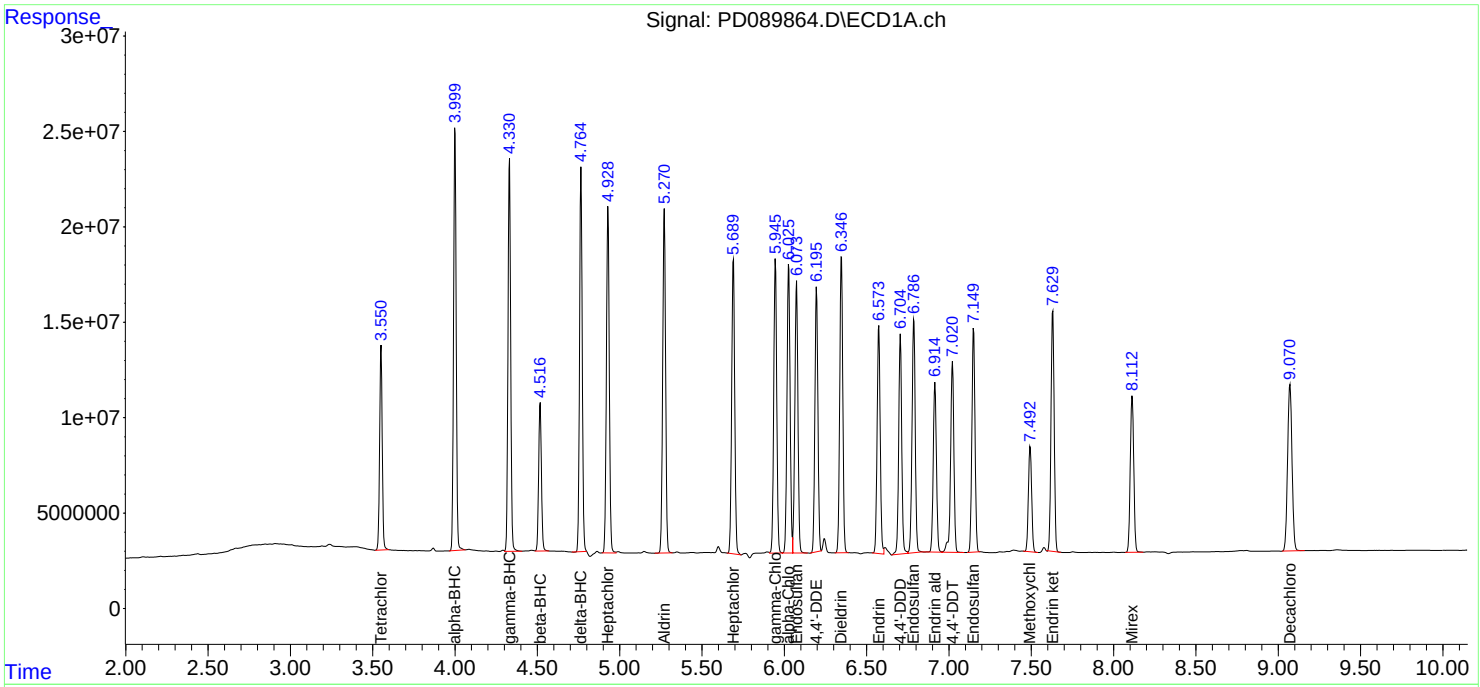
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

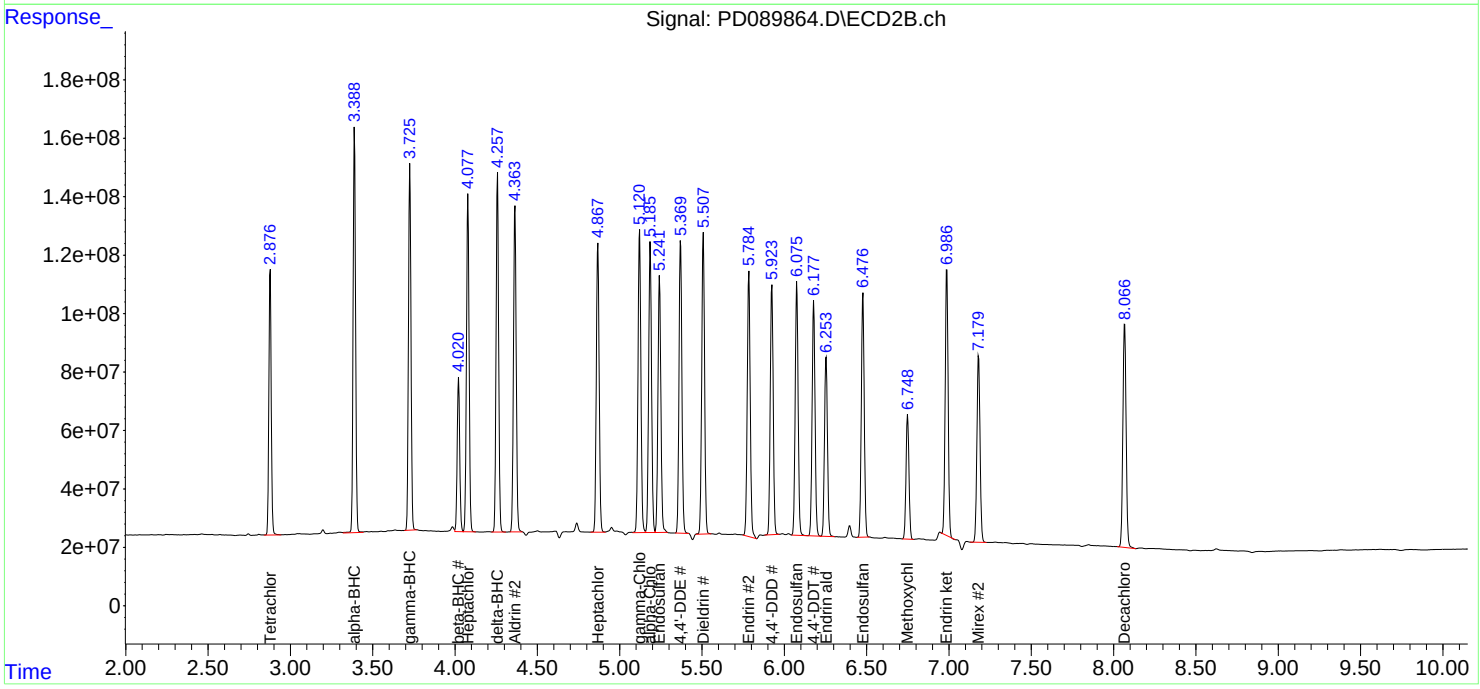
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:05
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

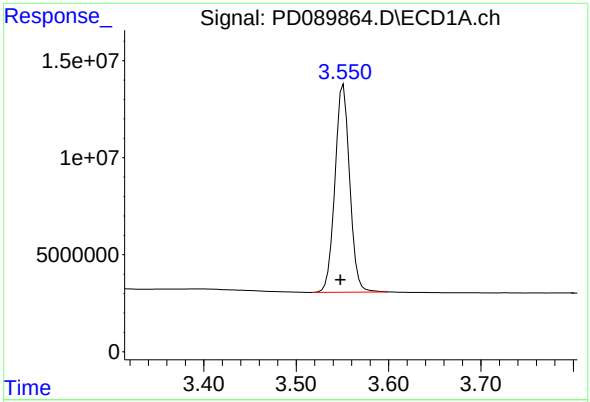
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:25 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



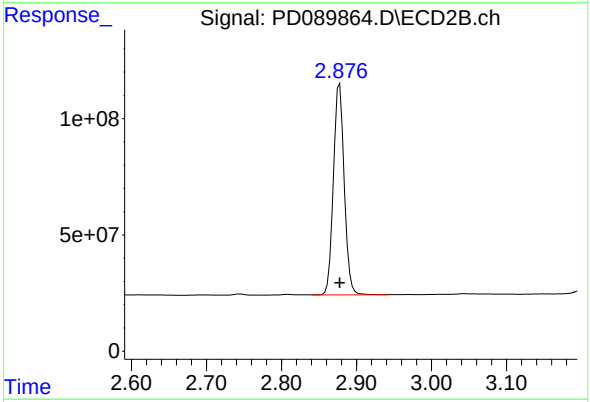




#1 Tetrachloro-m-xylene

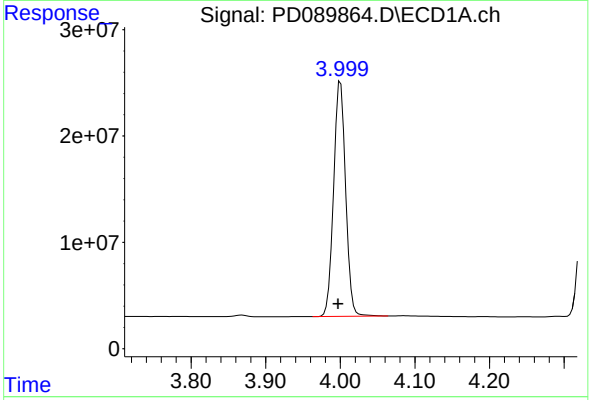
R.T.: 3.551 min
Delta R.T.: 0.003 min
Response: 118863097
Conc: 48.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



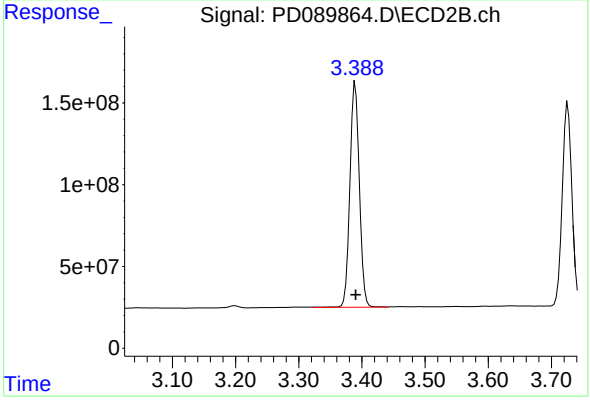
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 913325747
Conc: 57.67 ng/ml



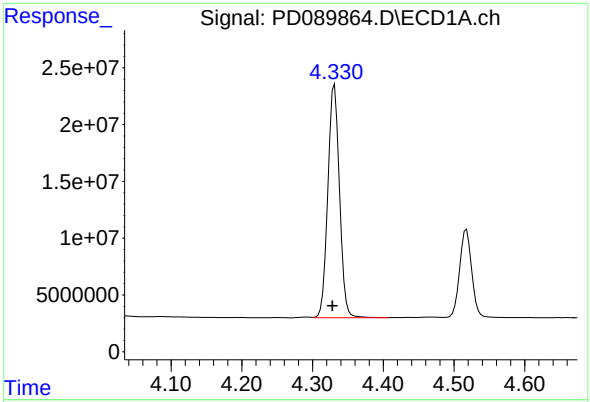
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.003 min
Response: 247804482
Conc: 50.03 ng/ml



#2 alpha-BHC

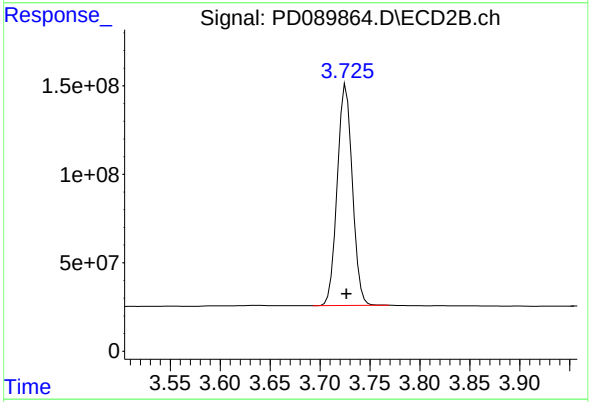
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1431013404
Conc: 58.88 ng/ml



#3 gamma-BHC (Lindane)

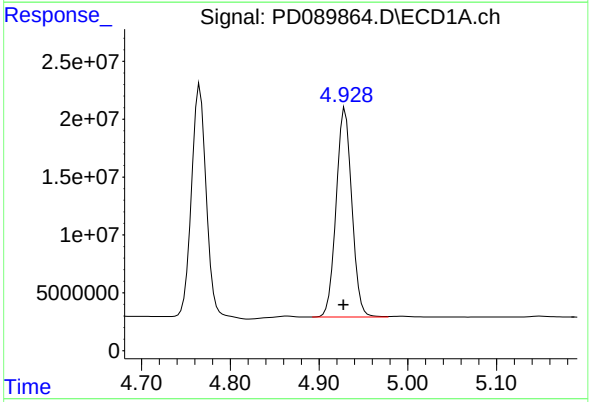
R.T.: 4.331 min
Delta R.T.: 0.003 min
Response: 235072856
Conc: 49.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



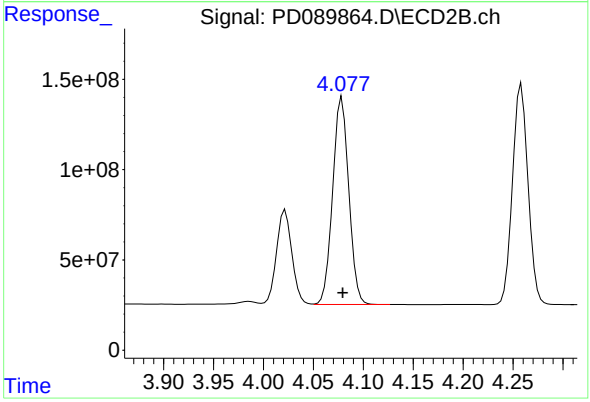
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1316105764
Conc: 58.43 ng/ml



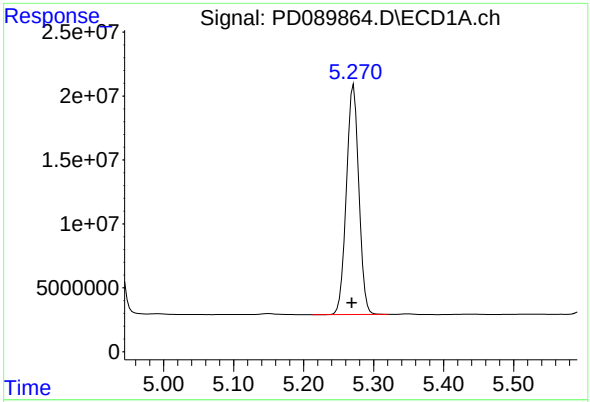
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.002 min
Response: 221805809
Conc: 46.10 ng/ml



#4 Heptachlor

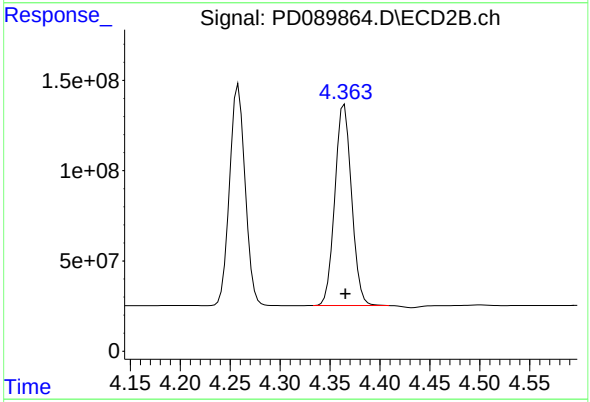
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1290517415
Conc: 55.60 ng/ml



#5 Aldrin

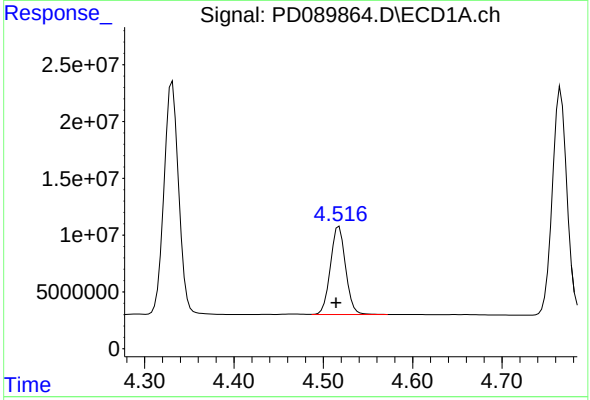
R.T.: 5.271 min
Delta R.T.: 0.003 min
Response: 222450269
Conc: 48.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



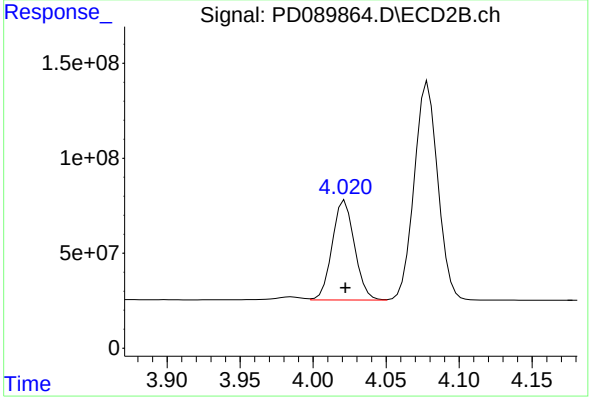
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1298901301
Conc: 58.38 ng/ml



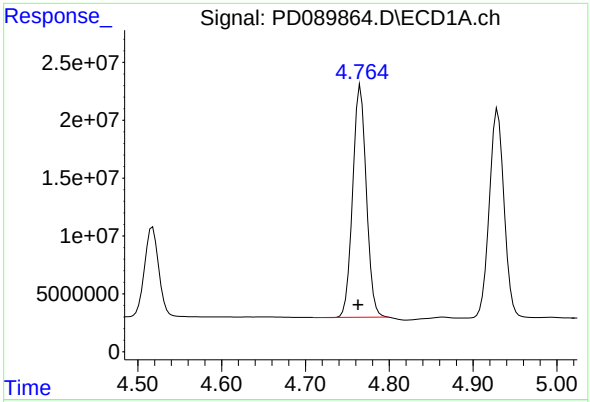
#6 beta-BHC

R.T.: 4.518 min
Delta R.T.: 0.003 min
Response: 91593149
Conc: 49.65 ng/ml



#6 beta-BHC

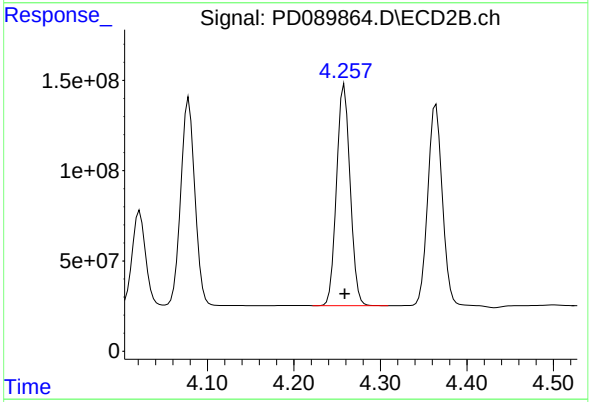
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 558747054
Conc: 57.91 ng/ml



#7 delta-BHC

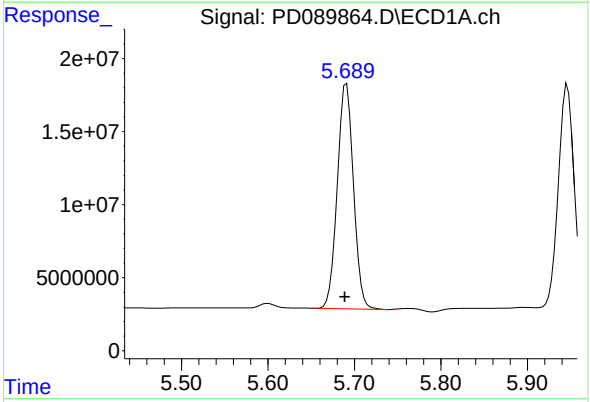
R.T.: 4.766 min
Delta R.T.: 0.003 min
Response: 226918277
Conc: 49.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



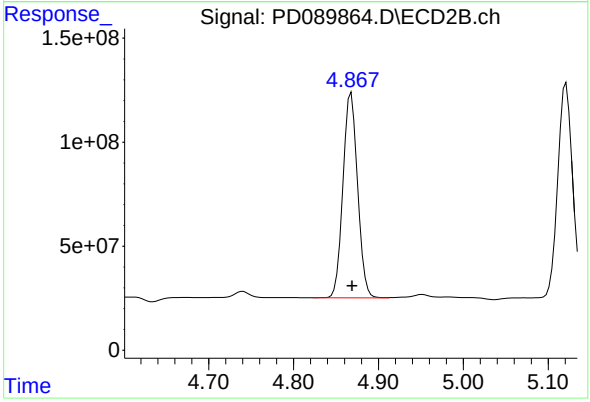
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1325952540
Conc: 58.37 ng/ml



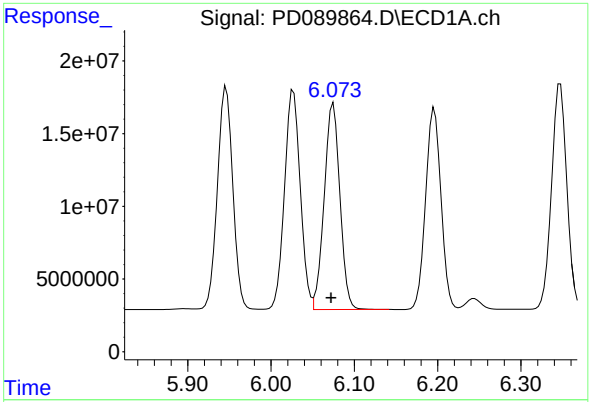
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.002 min
Response: 199290709
Conc: 47.67 ng/ml



#8 Heptachlor epoxide

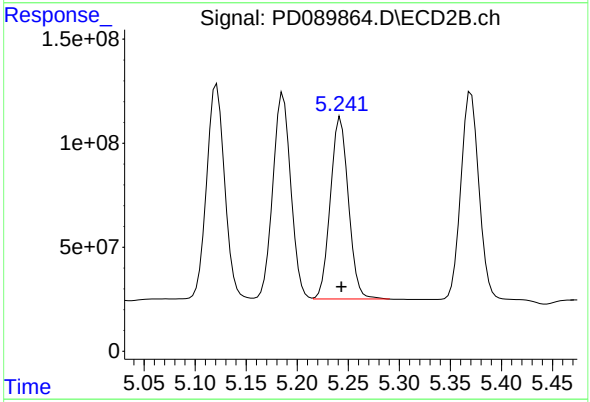
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1177337627
Conc: 57.29 ng/ml



#9 Endosulfan I

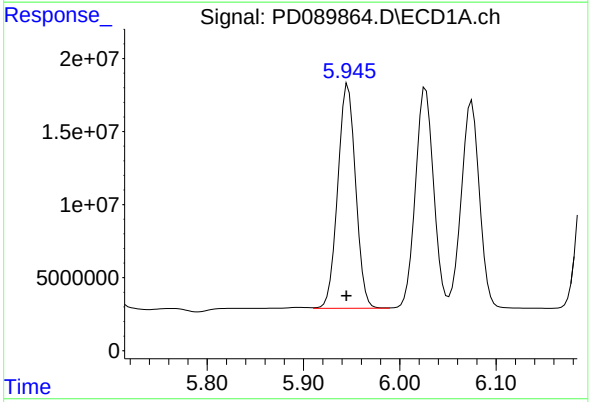
R.T.: 6.075 min
Delta R.T.: 0.003 min
Response: 186173686
Conc: 46.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



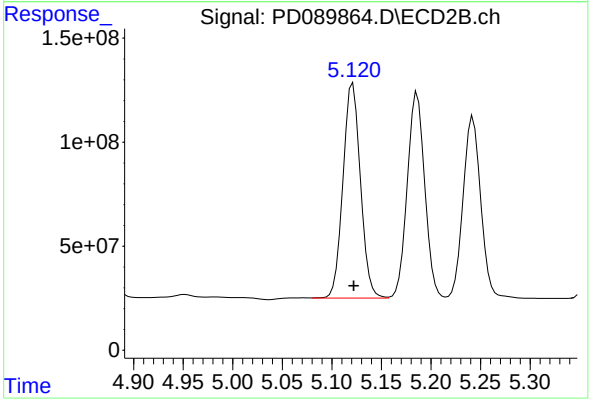
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1076831339
Conc: 55.09 ng/ml



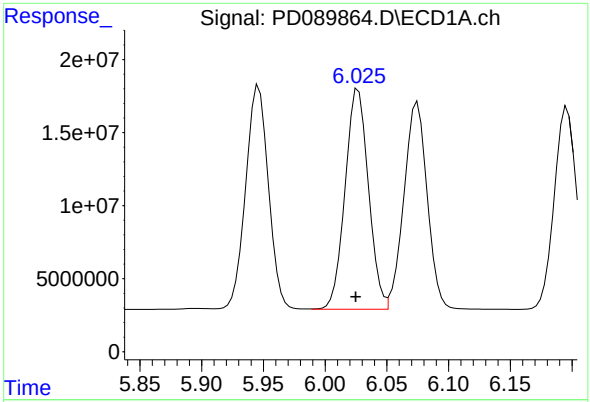
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.002 min
Response: 196943535
Conc: 47.13 ng/ml



#10 gamma-Chlordane

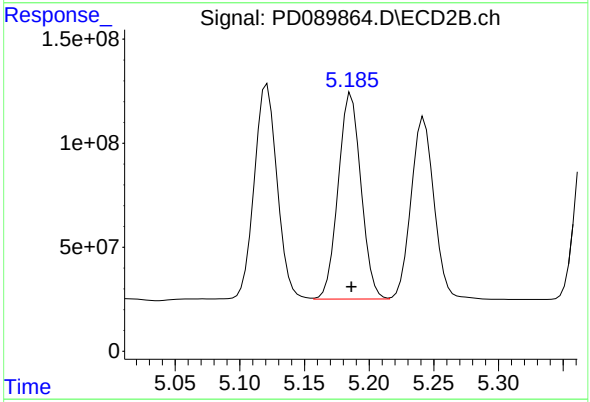
R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1268296722
Conc: 58.57 ng/ml



#11 alpha-Chlordane

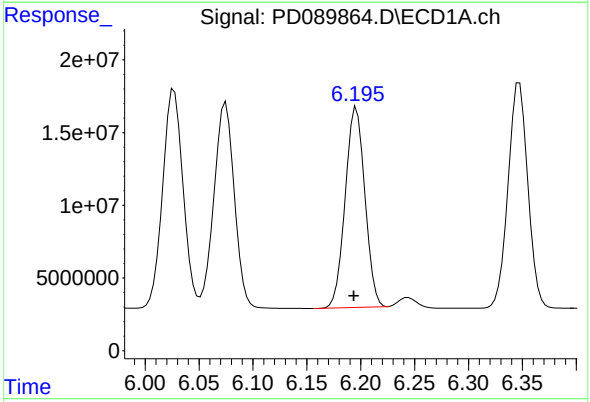
R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 198922010
Conc: 47.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



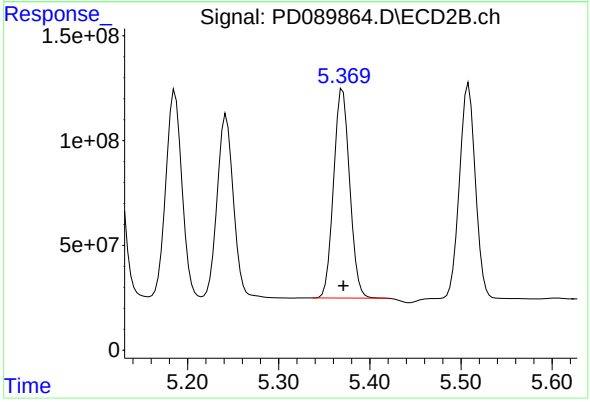
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1213344606
Conc: 58.27 ng/ml



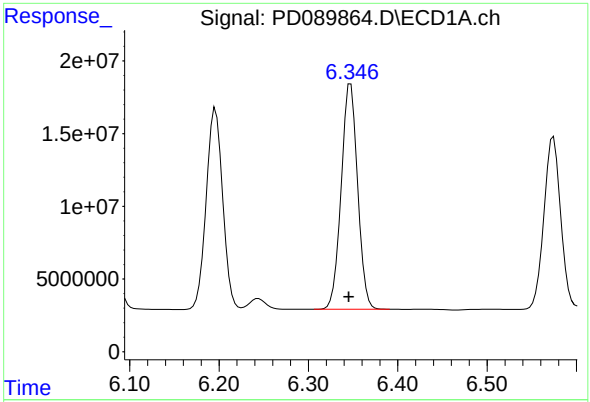
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.002 min
Response: 175152810
Conc: 46.96 ng/ml



#12 4,4'-DDE

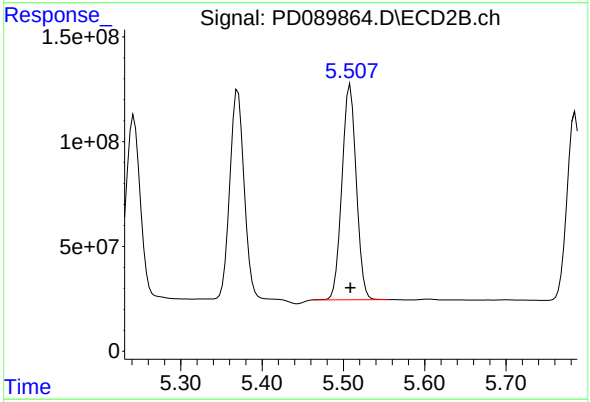
R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1227514358
Conc: 58.07 ng/ml



#13 Dieldrin

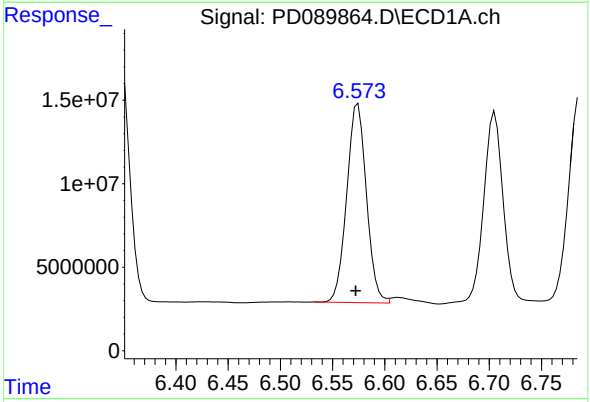
R.T.: 6.347 min
Delta R.T.: 0.002 min
Response: 197977221
Conc: 46.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



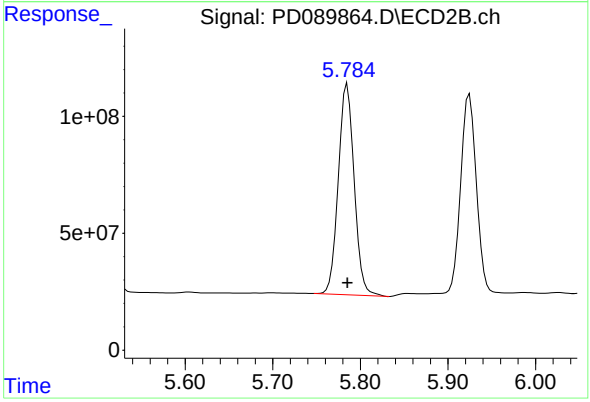
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1254962340
Conc: 58.00 ng/ml



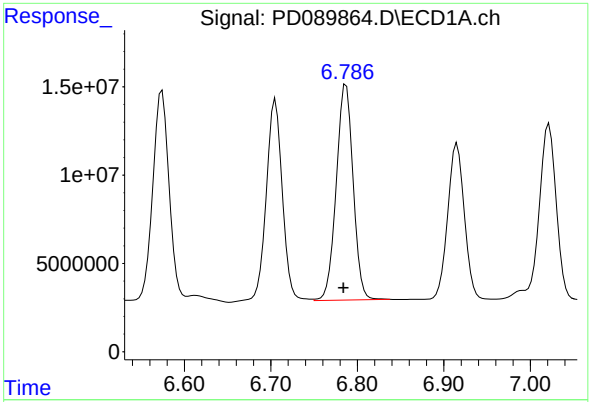
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.002 min
Response: 156452659
Conc: 43.73 ng/ml



#14 Endrin

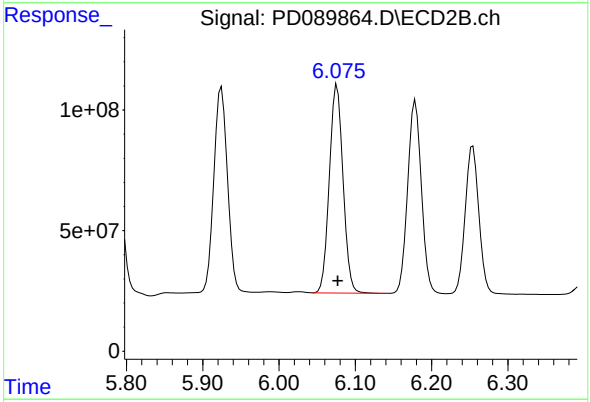
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1138883633
Conc: 57.16 ng/ml



#15 Endosulfan II

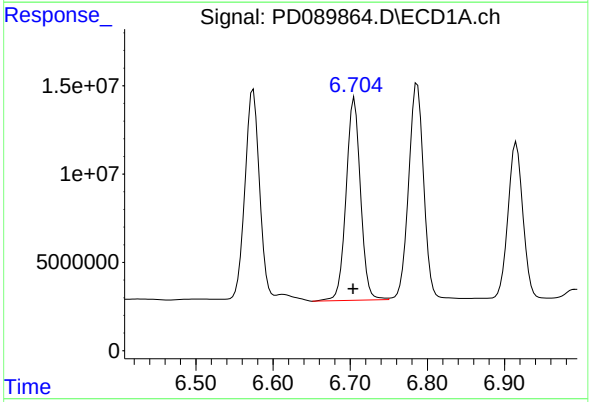
R.T.: 6.787 min
Delta R.T.: 0.003 min
Response: 164585898
Conc: 44.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



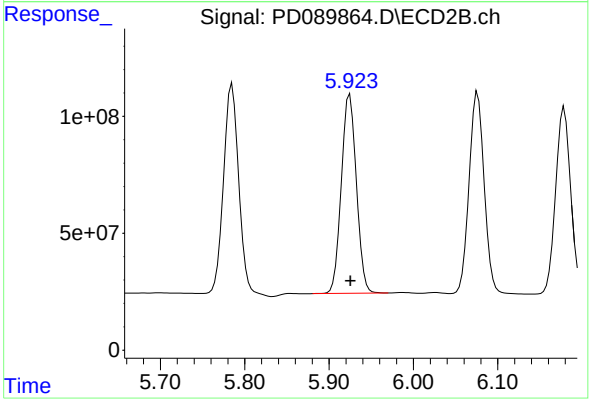
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1073349757
Conc: 57.09 ng/ml



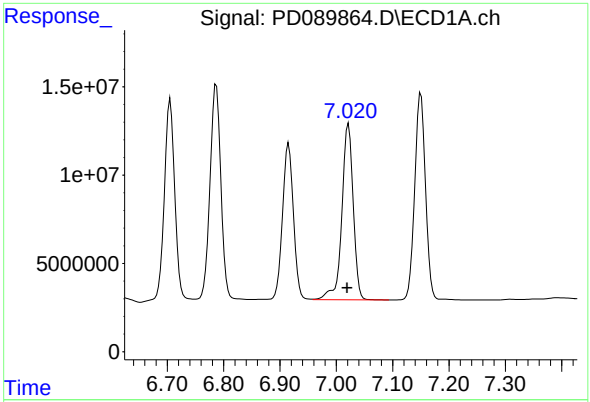
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.002 min
Response: 148542980
Conc: 49.60 ng/ml



#16 4,4'-DDD

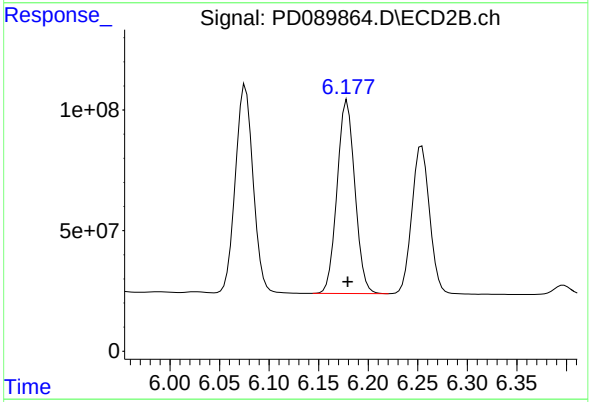
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 1058389764
Conc: 60.02 ng/ml



#17 4,4'-DDT

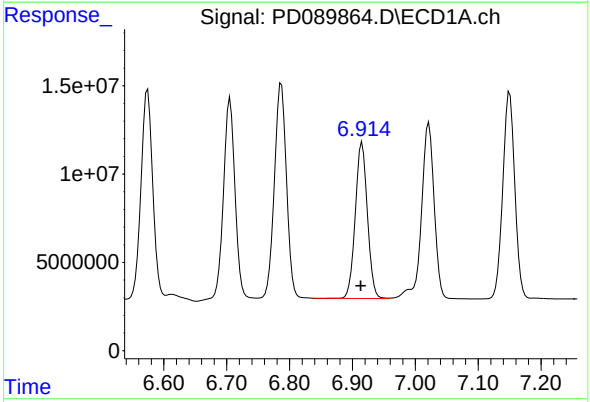
R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 139781328
Conc: 41.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



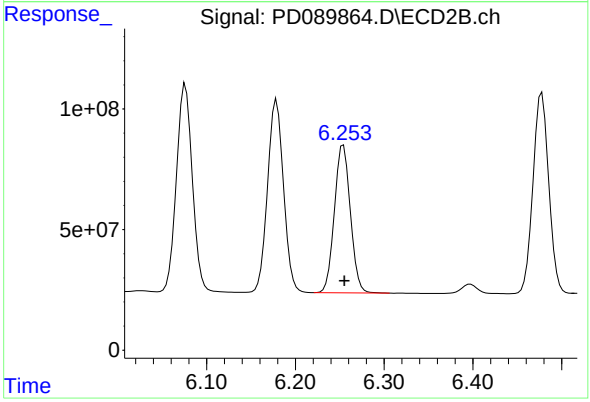
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1000523593
Conc: 54.46 ng/ml



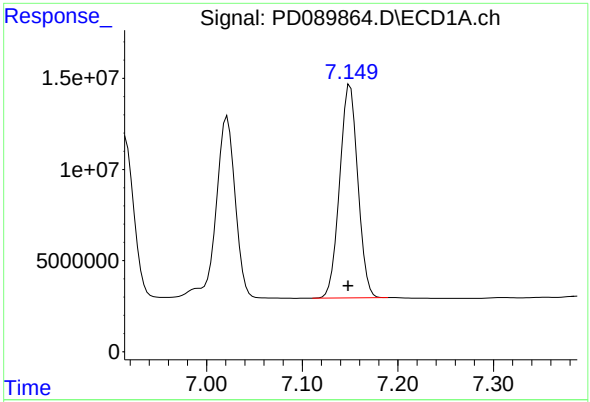
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 118434570
Conc: 47.46 ng/ml



#18 Endrin aldehyde

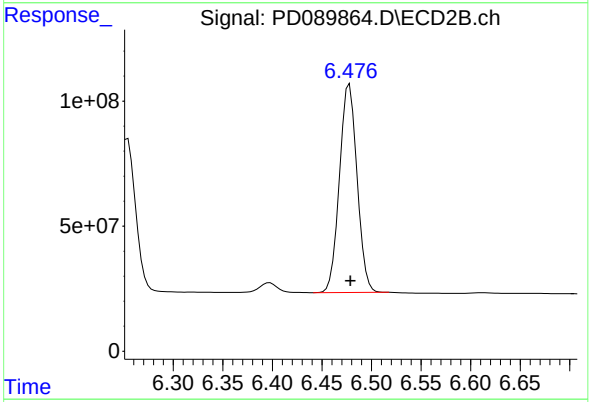
R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 766084347
Conc: 59.29 ng/ml



#19 Endosulfan Sulfate

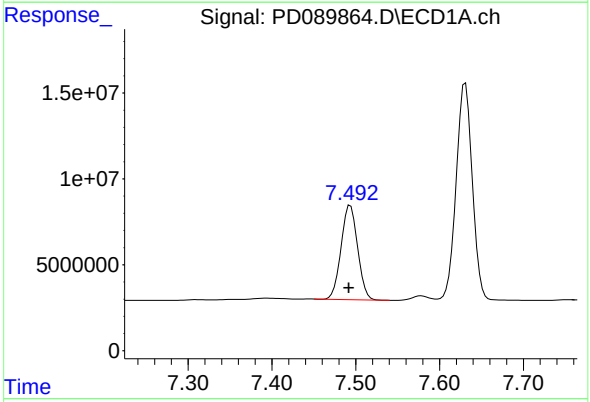
R.T.: 7.150 min
Delta R.T.: 0.002 min
Response: 155142202
Conc: 44.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



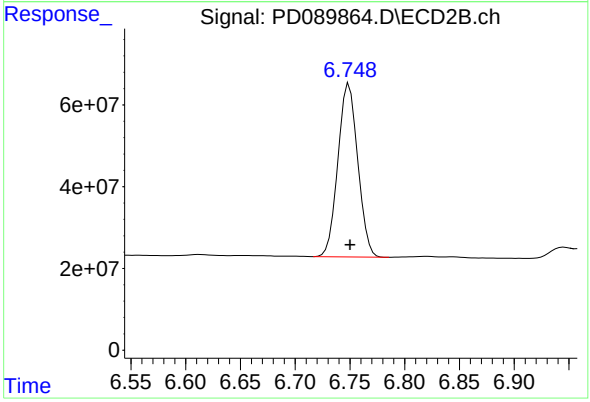
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1030333225
Conc: 55.50 ng/ml



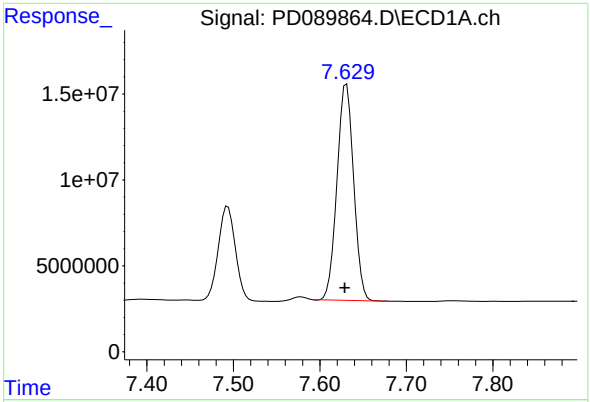
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.002 min
Response: 75279187
Conc: 42.10 ng/ml



#20 Methoxychlor

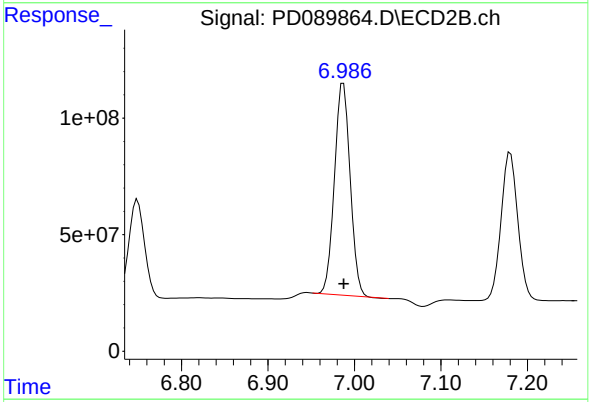
R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 534711378
Conc: 54.59 ng/ml



#21 Endrin ketone

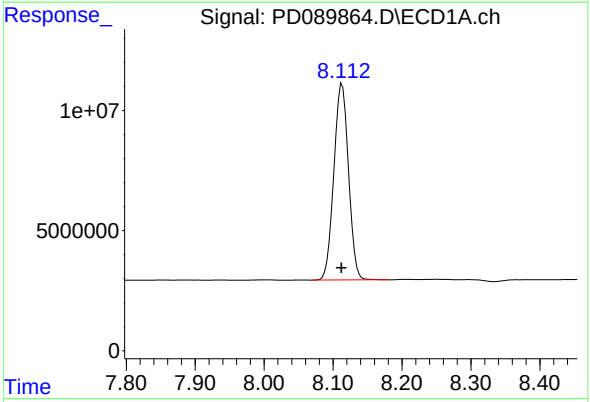
R.T.: 7.631 min
Delta R.T.: 0.002 min
Response: 166968961
Conc: 44.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



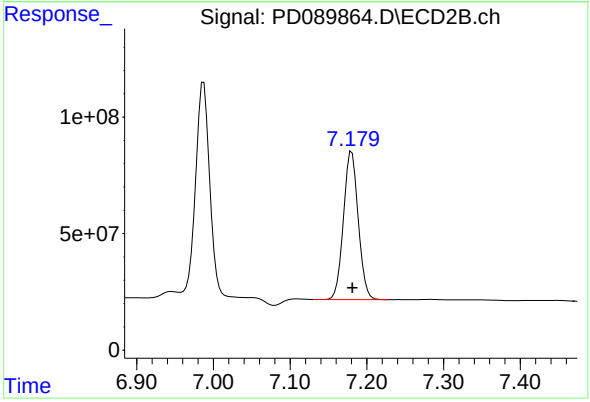
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1138350991
Conc: 56.72 ng/ml



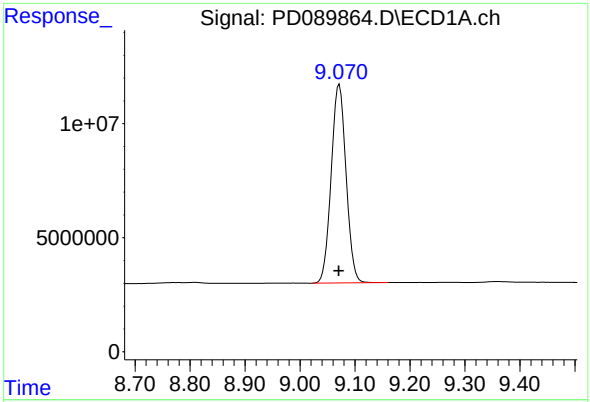
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.001 min
Response: 120684422
Conc: 43.28 ng/ml



#22 Mirex

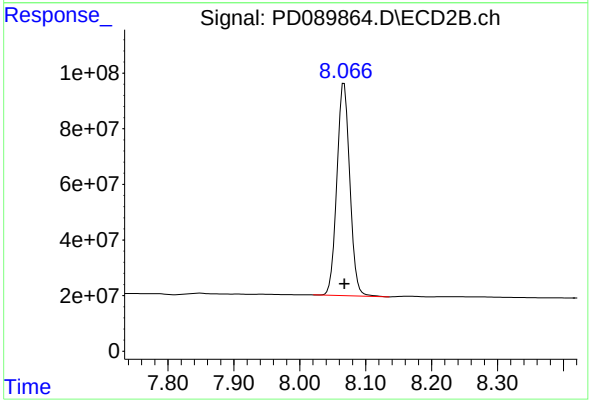
R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 855615345
Conc: 56.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 163621962
Conc: 44.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 1042030196
Conc: 51.90 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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 20:12 **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	4.51	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	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.03	5.93	6.13	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 20:12 **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	4.37	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	0.00
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	0.00
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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089876.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.604	6.804	50.520	50.000	1.0
4,4'-DDE	6.193	6.094	6.294	46.370	50.000	-7.3
4,4'-DDT	7.018	6.919	7.119	40.230	50.000	-19.5
Aldrin	5.267	5.169	5.369	48.670	50.000	-2.7
alpha-BHC	3.997	3.897	4.097	49.900	50.000	-0.2
alpha-Chlordane	6.024	5.925	6.125	47.010	50.000	-6.0
beta-BHC	4.514	4.414	4.614	49.300	50.000	-1.4
Decachlorobiphenyl	9.068	8.971	9.171	44.100	50.000	-11.8
delta-BHC	4.762	4.663	4.863	49.370	50.000	-1.3
Dieldrin	6.343	6.245	6.445	46.490	50.000	-7.0
Endosulfan I	6.071	5.972	6.172	46.730	50.000	-6.5
Endosulfan II	6.783	6.684	6.884	44.920	50.000	-10.2
Endosulfan sulfate	7.146	7.048	7.248	44.190	50.000	-11.6
Endrin	6.571	6.472	6.672	43.700	50.000	-12.6
Endrin aldehyde	6.912	6.813	7.013	47.080	50.000	-5.8
Endrin ketone	7.627	7.529	7.729	44.950	50.000	-10.1
gamma-BHC (Lindane)	4.328	4.228	4.428	49.560	50.000	-0.9
gamma-Chlordane	5.943	5.844	6.044	47.030	50.000	-5.9
Heptachlor	4.926	4.827	5.027	45.020	50.000	-10.0
Heptachlor epoxide	5.688	5.589	5.789	47.260	50.000	-5.5
Methoxychlor	7.490	7.392	7.592	40.620	50.000	-18.8
Tetrachloro-m-xylene	3.548	3.448	3.648	48.370	50.000	-3.3

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089876.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.825	6.025	59.900	50.000	19.8
4,4'-DDE	5.371	5.271	5.471	58.590	50.000	17.2
4,4'-DDT	6.179	6.079	6.279	53.240	50.000	6.5
Aldrin	4.365	4.265	4.465	59.160	50.000	18.3
alpha-BHC	3.390	3.290	3.490	59.200	50.000	18.4
alpha-Chlordane	5.186	5.086	5.286	58.830	50.000	17.7
beta-BHC	4.022	3.922	4.122	58.350	50.000	16.7
Decachlorobiphenyl	8.066	7.968	8.168	52.090	50.000	4.2
delta-BHC	4.258	4.159	4.359	59.170	50.000	18.3
Dieldrin	5.508	5.409	5.609	58.710	50.000	17.4
Endosulfan I	5.242	5.143	5.343	53.930	50.000	7.9
Endosulfan II	6.076	5.977	6.177	57.270	50.000	14.5
Endosulfan sulfate	6.478	6.378	6.578	55.470	50.000	10.9
Endrin	5.784	5.685	5.885	59.770	50.000	19.5
Endrin aldehyde	6.254	6.155	6.355	59.240	50.000	18.5
Endrin ketone	6.987	6.888	7.088	57.250	50.000	14.5
gamma-BHC (Lindane)	3.726	3.626	3.826	58.920	50.000	17.8
gamma-Chlordane	5.121	5.022	5.222	59.240	50.000	18.5
Heptachlor	4.079	3.979	4.179	55.250	50.000	10.5
Heptachlor epoxide	4.869	4.769	4.969	57.830	50.000	15.7
Methoxychlor	6.749	6.650	6.850	53.620	50.000	7.2
Tetrachloro-m-xylene	2.878	2.778	2.978	58.280	50.000	16.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 20:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:15:30 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	119.3E6	923.0E6	48.369	58.276
28)	SA Decachlor...	9.068	8.066	163.9E6	1045.8E6	44.100	52.089
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	247.2E6	1438.8E6	49.895	59.199
3)	MA gamma-BHC...	4.328	3.726	235.5E6	1327.2E6	49.556	58.922
4)	MA Heptachlor	4.926	4.079	216.6E6	1282.4E6	45.017	55.254
5)	MB Aldrin	5.267	4.365	222.2E6	1316.3E6	48.665	59.156
6)	B beta-BHC	4.514	4.022	90944432	563.0E6	49.301	58.346
7)	B delta-BHC	4.762	4.258	226.4E6	1344.1E6	49.370	59.174
8)	B Heptachlo...	5.688	4.869	197.6E6	1188.4E6	47.264	57.830
9)	A Endosulfan I	6.071	5.242	185.2E6	1054.3E6	46.732	53.931
10)	B gamma-Chl...	5.943	5.121	196.5E6	1282.7E6	47.029	59.240 #
11)	B alpha-Chl...	6.024	5.186	197.6E6	1224.9E6	47.006	58.829 #
12)	B 4,4'-DDE	6.193	5.371	172.9E6	1238.4E6	46.369	58.590 #
13)	MA Dieldrin	6.343	5.508	196.3E6	1270.3E6	46.489	58.705 #
14)	MA Endrin	6.571	5.784	156.3E6	1191.0E6	43.700	59.771m#
15)	B Endosulfa...	6.783	6.076	164.8E6	1076.7E6	44.925	57.273 #
16)	A 4,4'-DDD	6.702	5.923	151.3E6	1056.1E6	50.515	59.896m
17)	MA 4,4'-DDT	7.018	6.179	135.2E6	978.2E6	40.234	53.243 #
18)	B Endrin al...	6.912	6.254	117.5E6	765.4E6	47.075	59.239 #
19)	B Endosulfa...	7.146	6.478	153.3E6	1029.8E6	44.188	55.469 #
20)	A Methoxychlor	7.490	6.749	72632539	525.2E6	40.623	53.617 #
21)	B Endrin ke...	7.627	6.987	167.0E6	1149.0E6	44.954	57.255 #
22)	Mirex	8.110	7.180	120.6E6	861.1E6	43.260	56.573 #

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

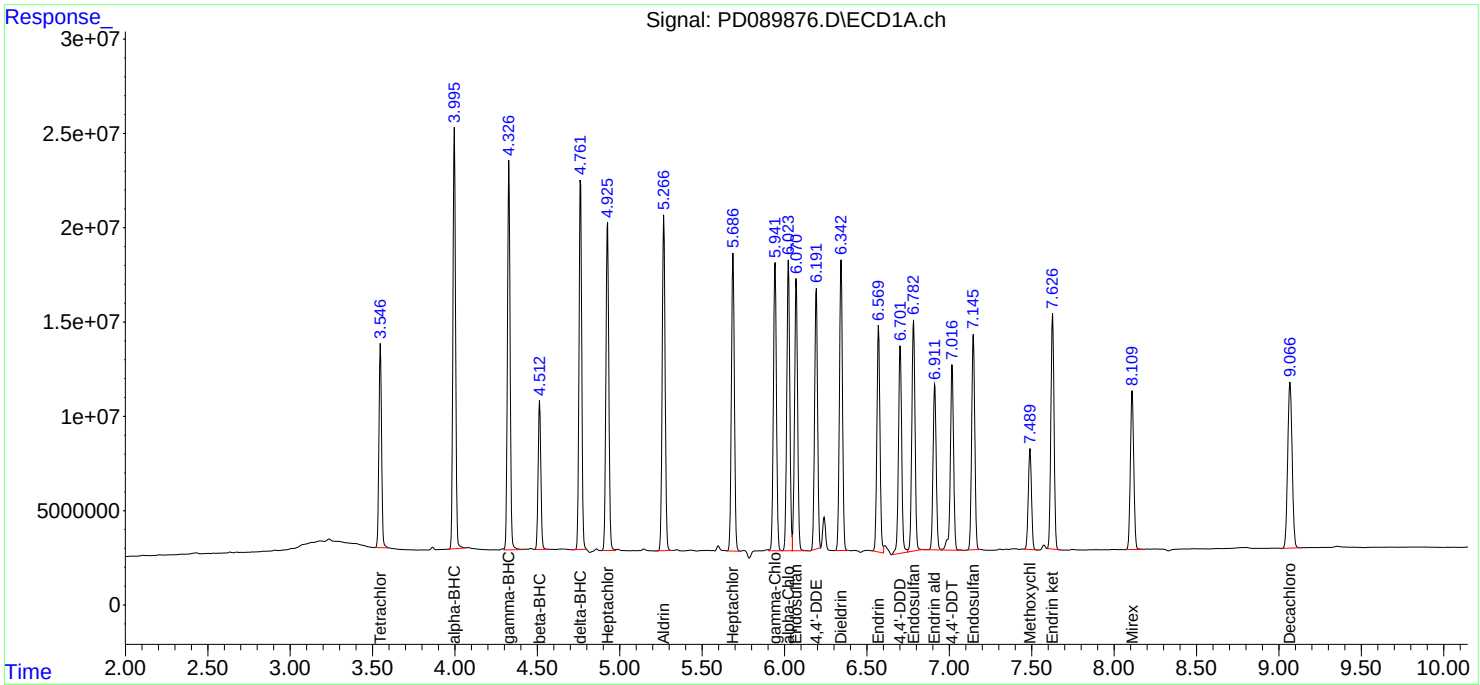
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 20:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

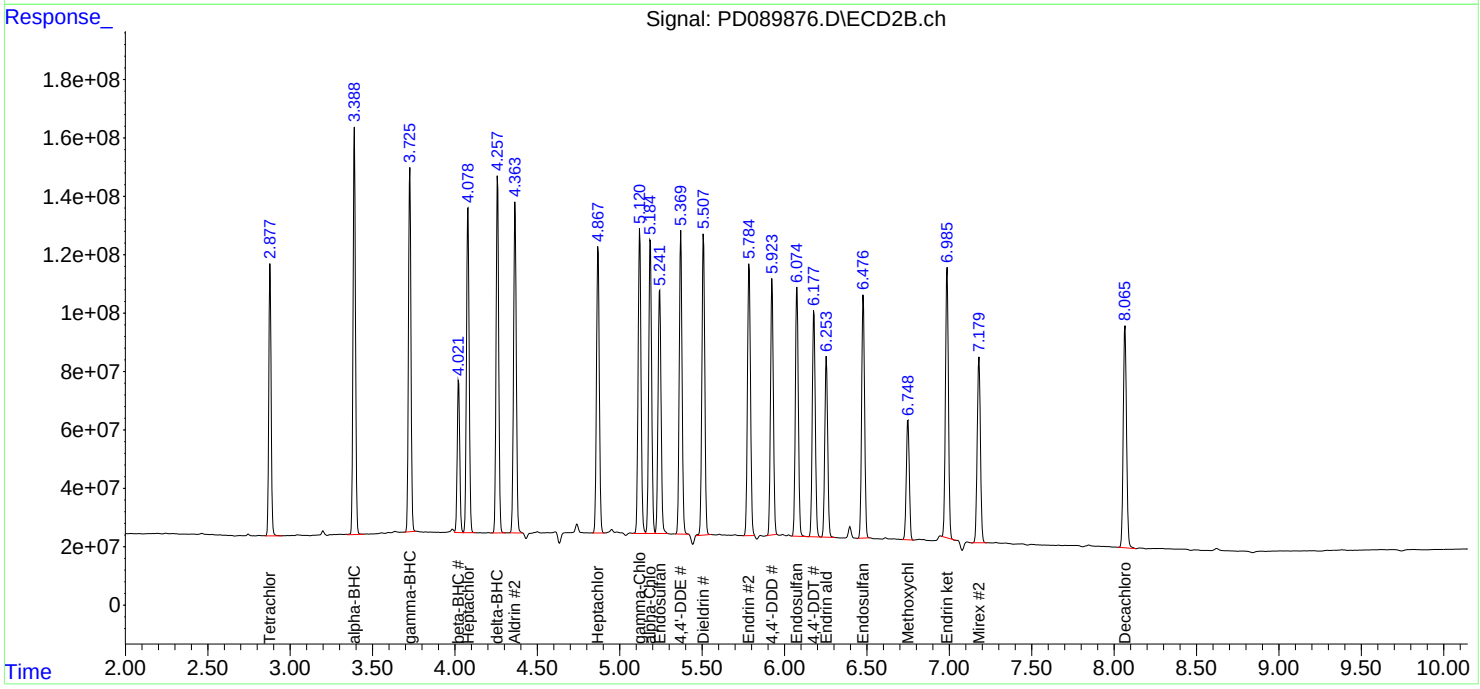
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

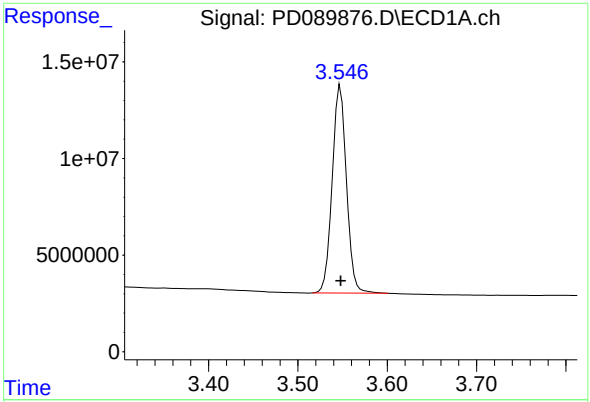
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:15:30 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







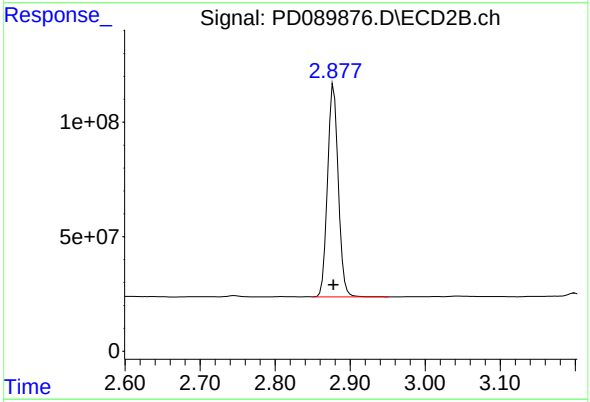
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 119306923
Conc: 48.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

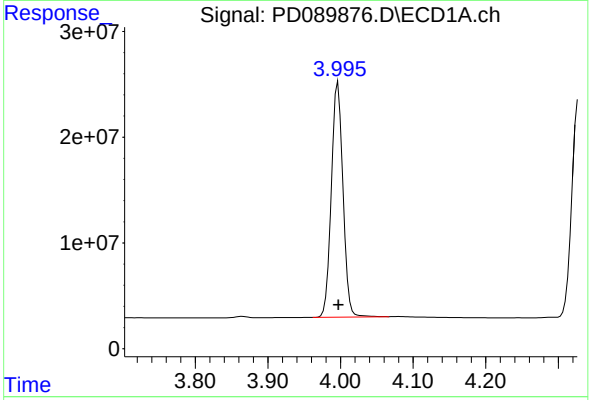
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



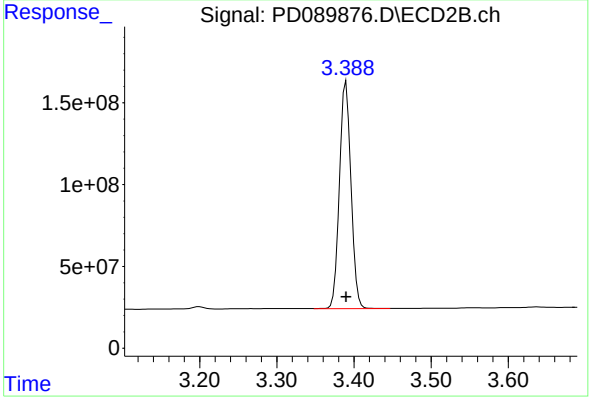
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 922964774
Conc: 58.28 ng/ml



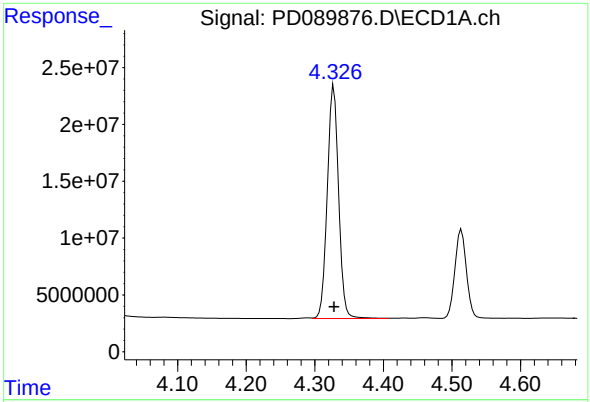
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 247156580
Conc: 49.90 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1438836550
Conc: 59.20 ng/ml



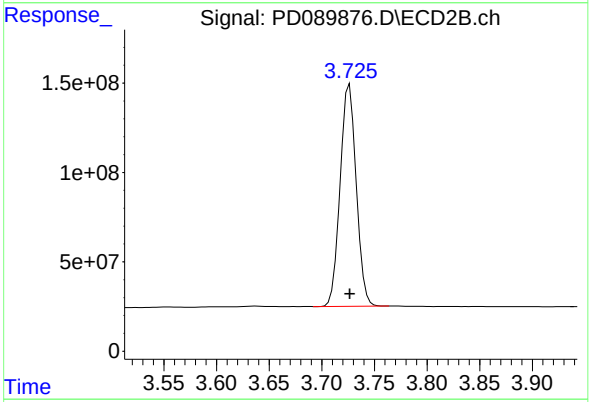
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 235507761
Conc: 49.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

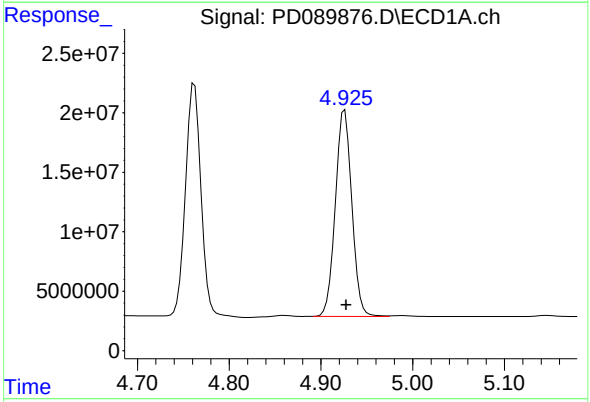
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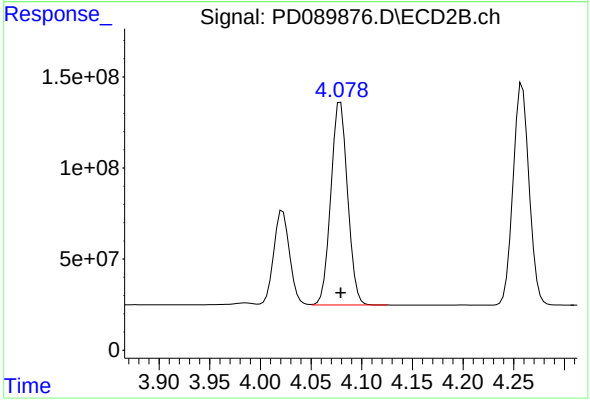
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1327158614
Conc: 58.92 ng/ml



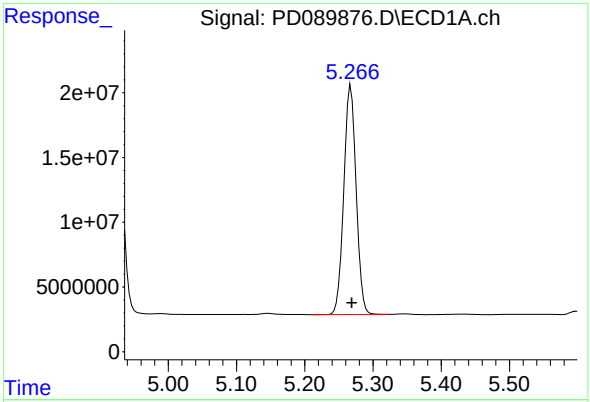
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 216600998
Conc: 45.02 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1282404547
Conc: 55.25 ng/ml



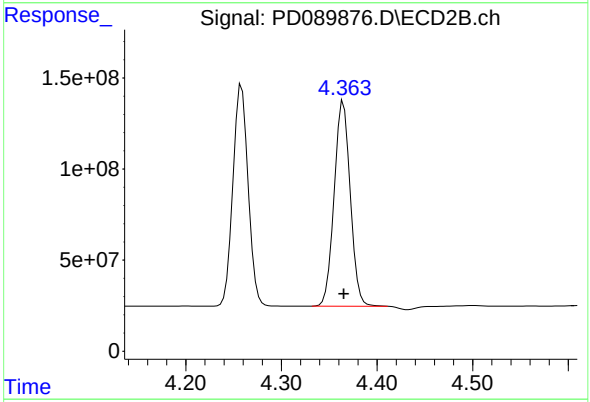
#5 Aldrin

R.T.: 5.267 min
Delta R.T.: -0.001 min
Response: 222151748
Conc: 48.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

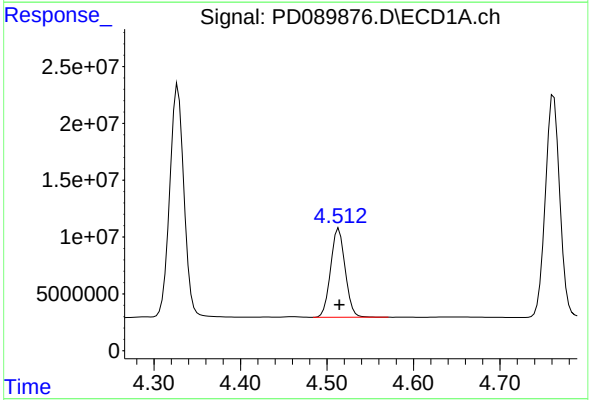
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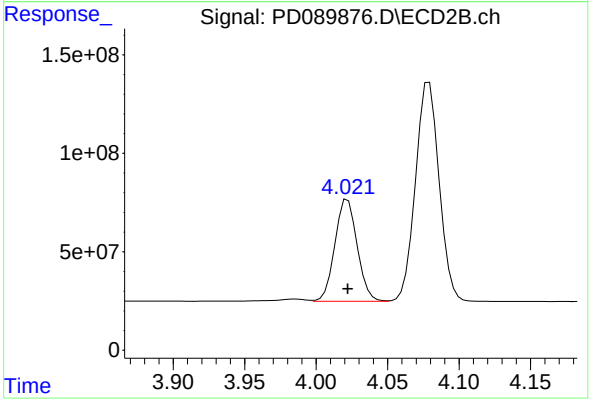
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1316261244
Conc: 59.16 ng/ml



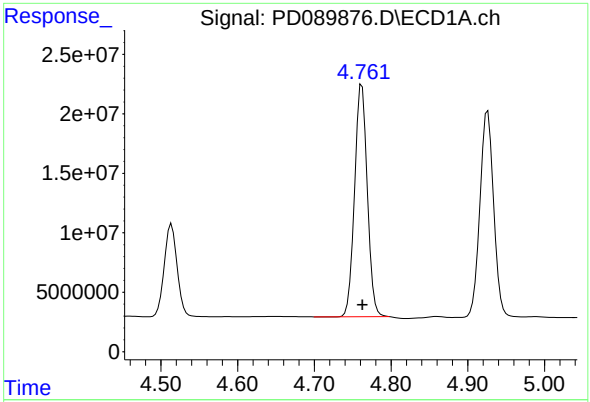
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 90944432
Conc: 49.30 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 562983056
Conc: 58.35 ng/ml



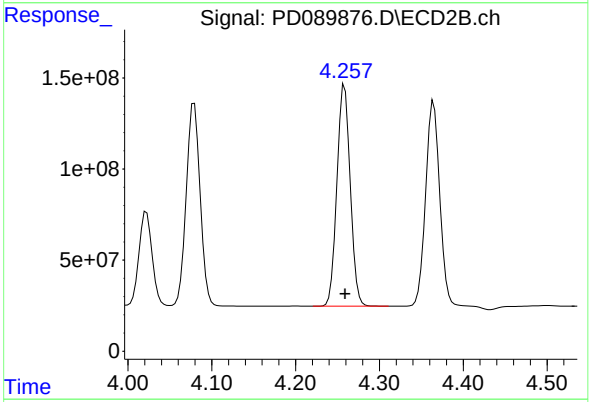
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 226421967
Conc: 49.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

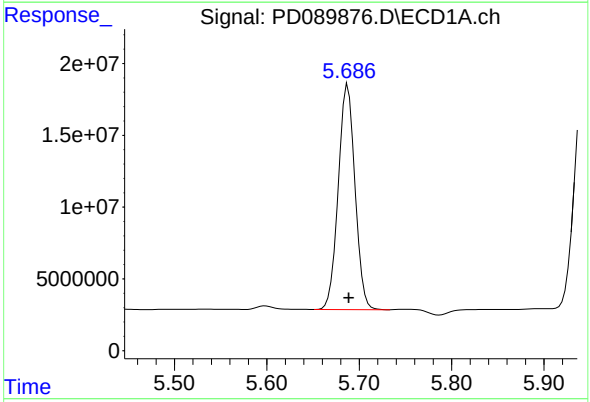
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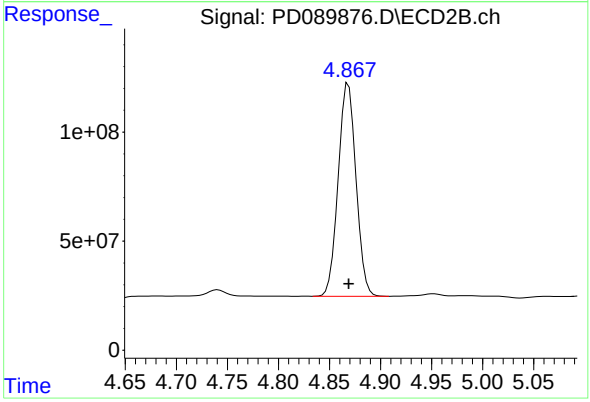
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1344130892
Conc: 59.17 ng/ml



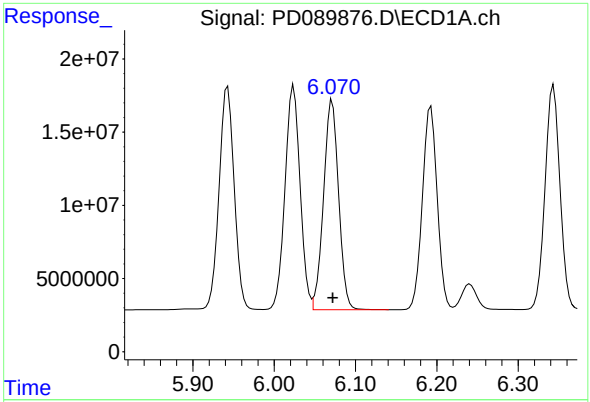
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: -0.001 min
Response: 197596303
Conc: 47.26 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1188391216
Conc: 57.83 ng/ml



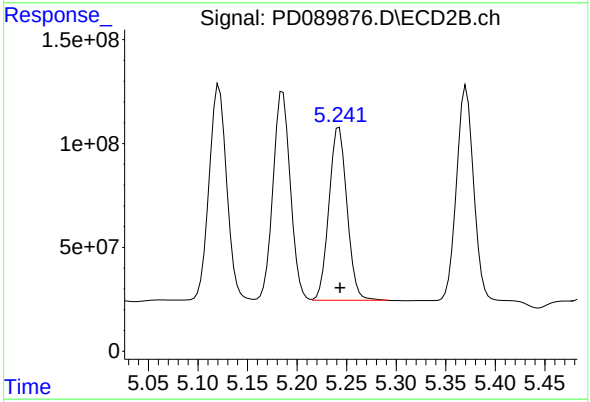
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 185226632
Conc: 46.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

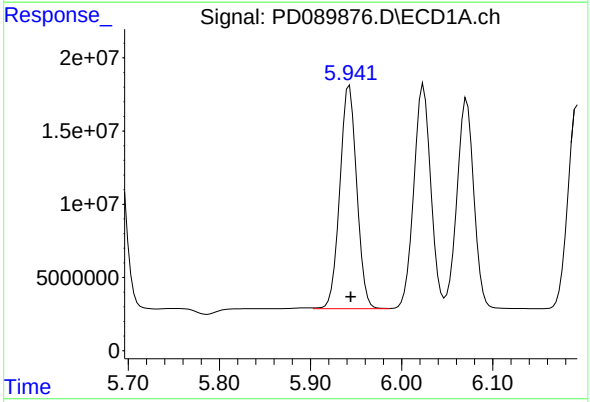
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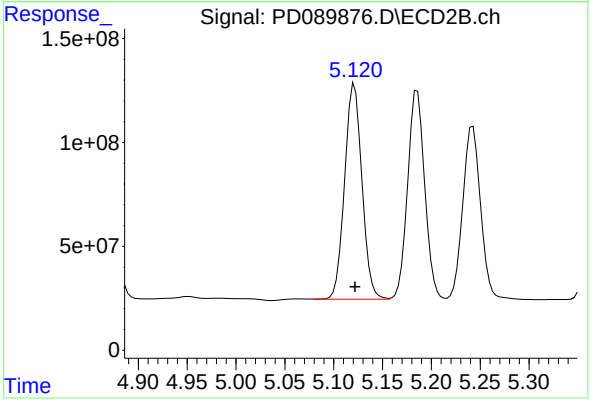
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1054267781
Conc: 53.93 ng/ml



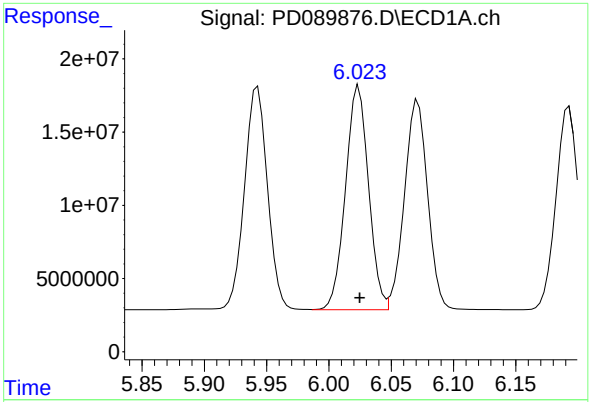
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.002 min
Response: 196539143
Conc: 47.03 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1282737301
Conc: 59.24 ng/ml



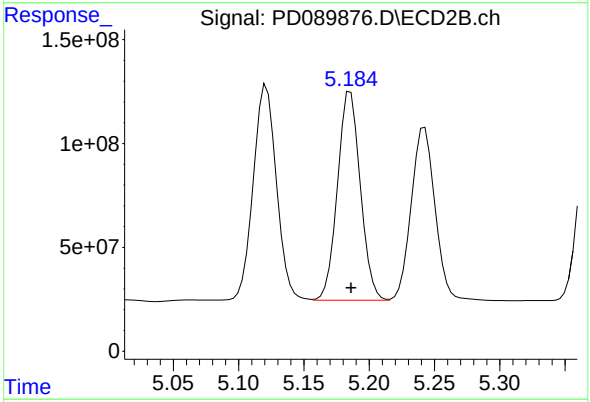
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 197621094
Conc: 47.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

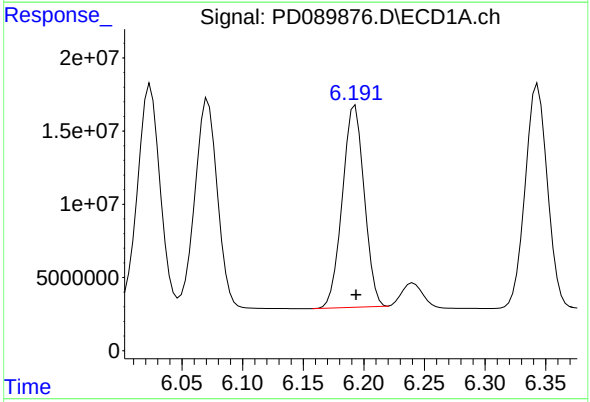
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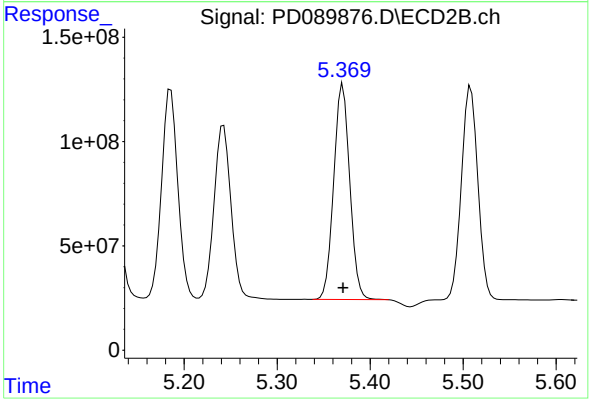
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1224943697
Conc: 58.83 ng/ml



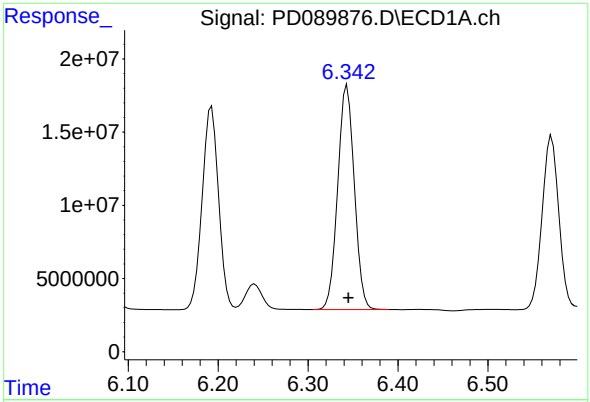
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 172946213
Conc: 46.37 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1238425046
Conc: 58.59 ng/ml



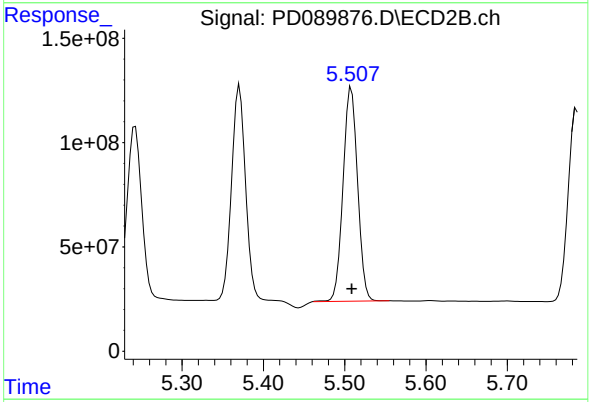
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 196342530
Conc: 46.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

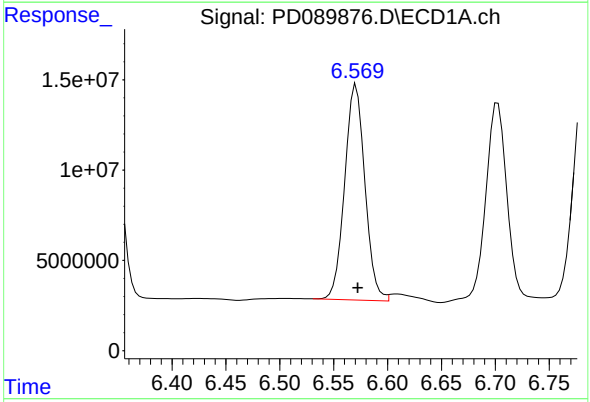
Manual Integrations
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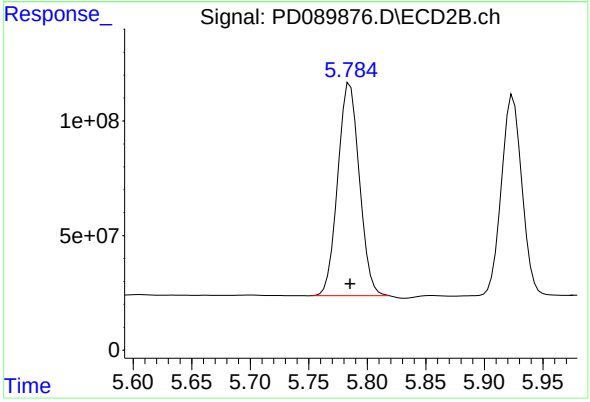
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1270319083
Conc: 58.71 ng/ml



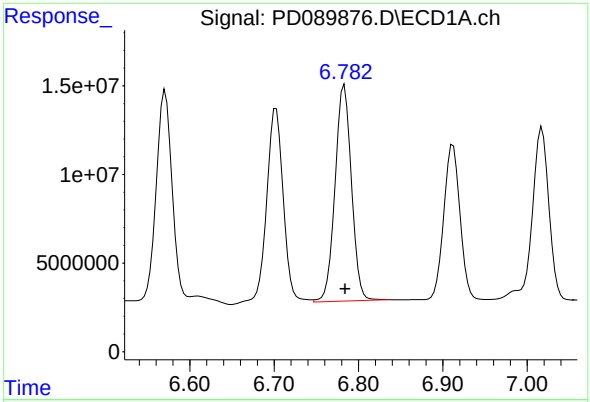
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 156345371
Conc: 43.70 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: -0.001 min
Response: 1190952354
Conc: 59.77 ng/ml m



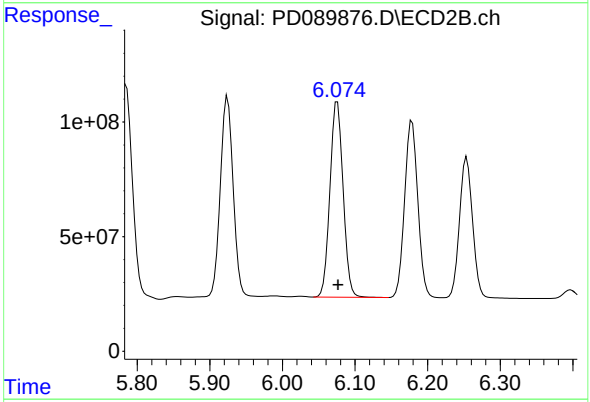
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 164845855
Conc: 44.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

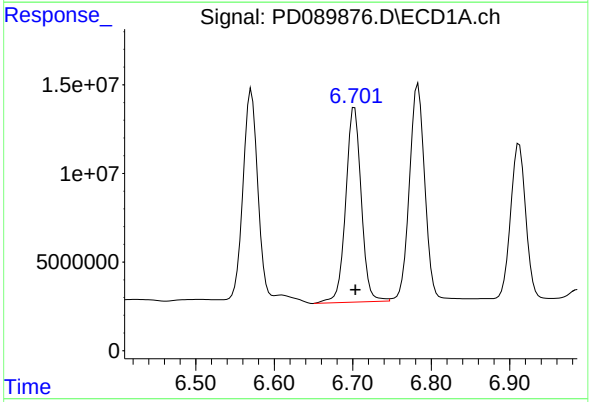
Manual Integrations
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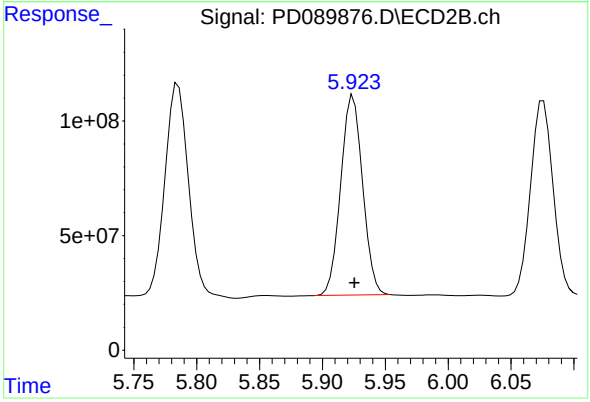
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 1076698712
Conc: 57.27 ng/ml



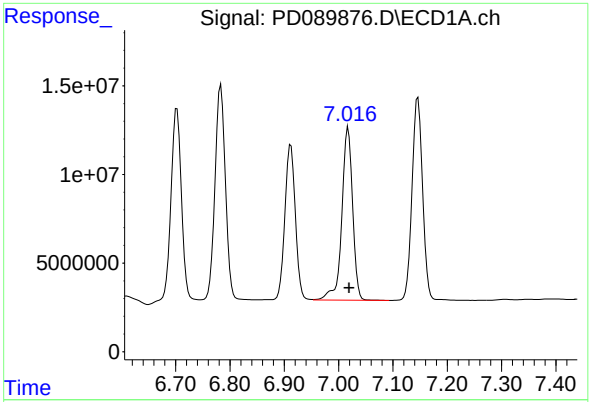
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.001 min
Response: 151283928
Conc: 50.52 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 1056121131
Conc: 59.90 ng/ml m



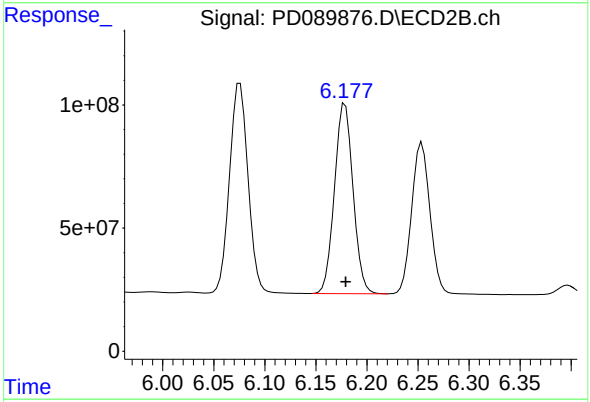
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 135197638
Conc: 40.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

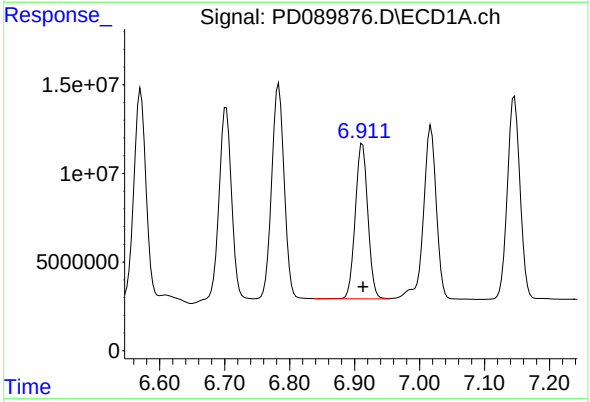
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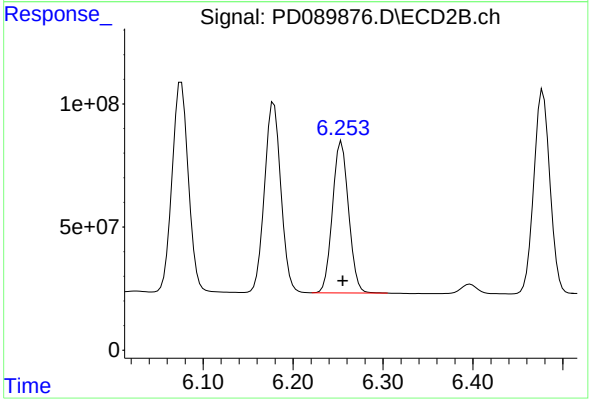
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 978212017
Conc: 53.24 ng/ml



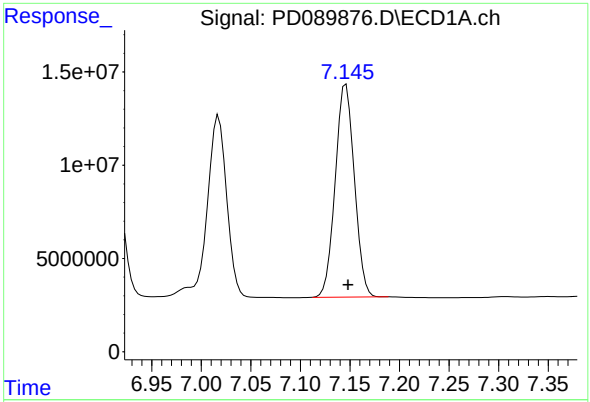
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.001 min
Response: 117479779
Conc: 47.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 765394382
Conc: 59.24 ng/ml



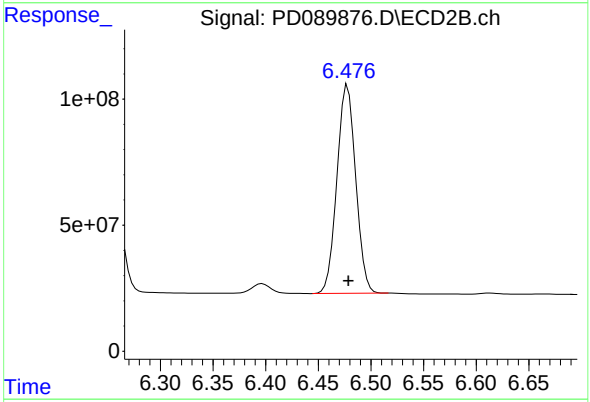
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 153336573
Conc: 44.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

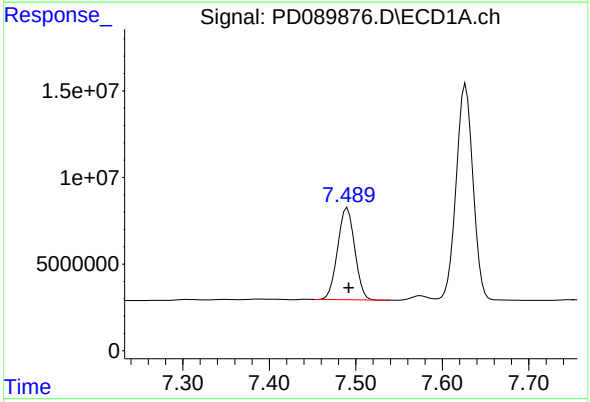
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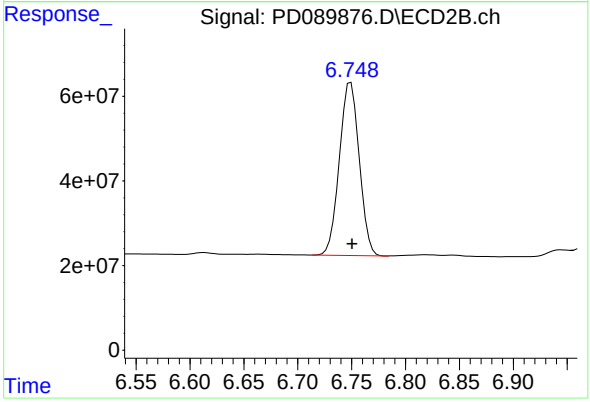
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1029819082
Conc: 55.47 ng/ml



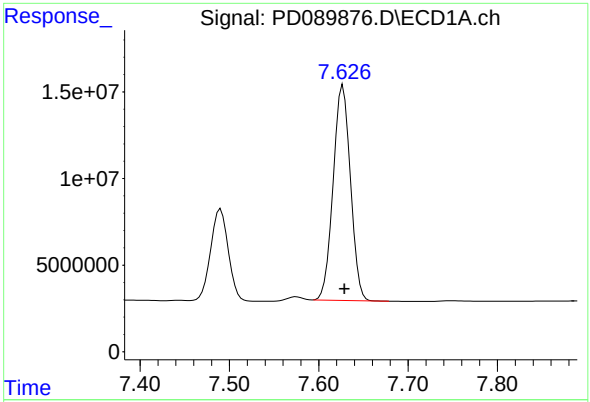
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 72632539
Conc: 40.62 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 525206510
Conc: 53.62 ng/ml



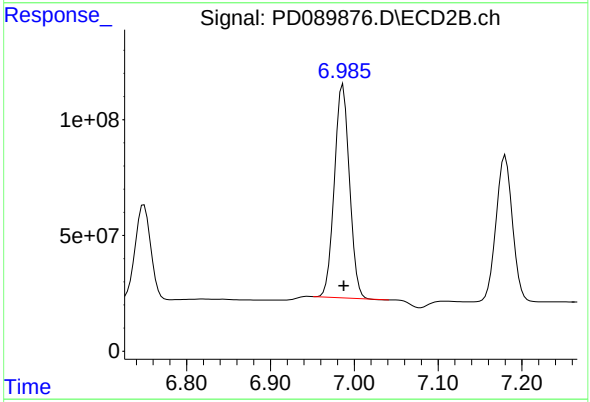
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 166965404
Conc: 44.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

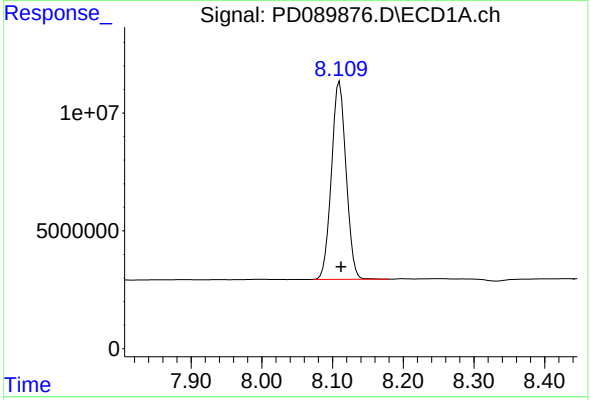
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



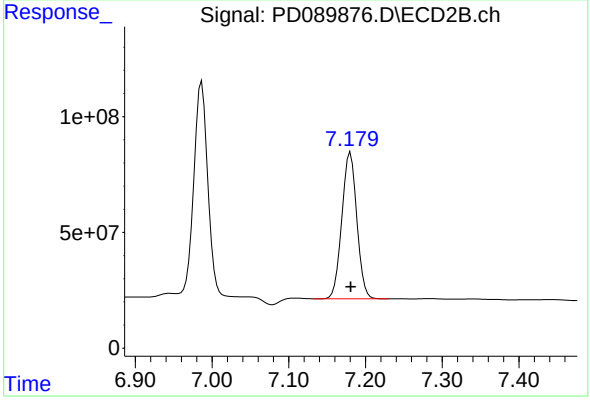
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.001 min
Response: 1148999849
Conc: 57.25 ng/ml



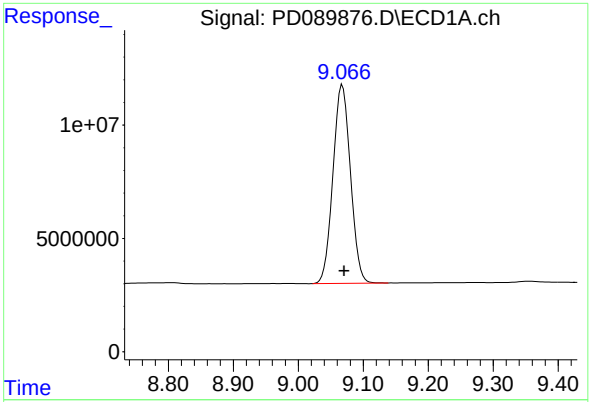
#22 Mirex

R.T.: 8.110 min
Delta R.T.: -0.002 min
Response: 120622373
Conc: 43.26 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 861102514
Conc: 56.57 ng/ml



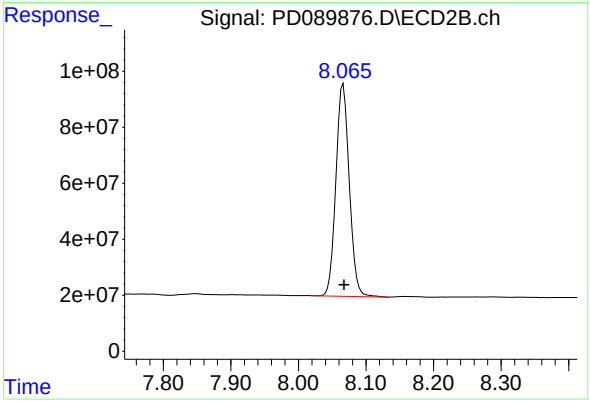
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 163887993
Conc: 44.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.001 min
Response: 1045846706
Conc: 52.09 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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 12:52 **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	9.08	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	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	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	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
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

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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 12:52 **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	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	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	0.00
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	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089890.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.604	6.804	45.870	50.000	-8.3
4,4'-DDE	6.200	6.094	6.294	45.930	50.000	-8.1
4,4'-DDT	7.025	6.919	7.119	44.200	50.000	-11.6
Aldrin	5.275	5.169	5.369	47.440	50.000	-5.1
alpha-BHC	4.004	3.897	4.097	48.550	50.000	-2.9
alpha-Chlordane	6.031	5.925	6.125	46.310	50.000	-7.4
beta-BHC	4.521	4.414	4.614	48.360	50.000	-3.3
Decachlorobiphenyl	9.077	8.971	9.171	43.090	50.000	-13.8
delta-BHC	4.770	4.663	4.863	47.140	50.000	-5.7
Dieldrin	6.351	6.245	6.445	45.720	50.000	-8.6
Endosulfan I	6.078	5.972	6.172	46.010	50.000	-8.0
Endosulfan II	6.791	6.684	6.884	44.460	50.000	-11.1
Endosulfan sulfate	7.154	7.048	7.248	43.640	50.000	-12.7
Endrin	6.579	6.472	6.672	45.250	50.000	-9.5
Endrin aldehyde	6.920	6.813	7.013	45.640	50.000	-8.7
Endrin ketone	7.635	7.529	7.729	42.990	50.000	-14.0
gamma-BHC (Lindane)	4.335	4.228	4.428	48.560	50.000	-2.9
gamma-Chlordane	5.951	5.844	6.044	46.510	50.000	-7.0
Heptachlor	4.934	4.827	5.027	47.200	50.000	-5.6
Heptachlor epoxide	5.695	5.589	5.789	46.250	50.000	-7.5
Methoxychlor	7.498	7.392	7.592	42.190	50.000	-15.6
Tetrachloro-m-xylene	3.554	3.448	3.648	46.570	50.000	-6.9

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089890.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.825	6.025	57.880	50.000	15.8
4,4'-DDE	5.372	5.271	5.471	57.690	50.000	15.4
4,4'-DDT	6.181	6.079	6.279	58.920	50.000	17.8
Aldrin	4.366	4.265	4.465	57.740	50.000	15.5
alpha-BHC	3.389	3.290	3.490	57.260	50.000	14.5
alpha-Chlordane	5.188	5.086	5.286	57.900	50.000	15.8
beta-BHC	4.023	3.922	4.122	57.220	50.000	14.4
Decachlorobiphenyl	8.069	7.968	8.168	51.950	50.000	3.9
delta-BHC	4.260	4.159	4.359	57.630	50.000	15.3
Dieldrin	5.510	5.409	5.609	57.580	50.000	15.2
Endosulfan I	5.245	5.143	5.343	55.390	50.000	10.8
Endosulfan II	6.078	5.977	6.177	57.080	50.000	14.2
Endosulfan sulfate	6.480	6.378	6.578	55.350	50.000	10.7
Endrin	5.787	5.685	5.885	57.760	50.000	15.5
Endrin aldehyde	6.257	6.155	6.355	57.910	50.000	15.8
Endrin ketone	6.990	6.888	7.088	54.610	50.000	9.2
gamma-BHC (Lindane)	3.727	3.626	3.826	57.600	50.000	15.2
gamma-Chlordane	5.123	5.022	5.222	58.030	50.000	16.1
Heptachlor	4.080	3.979	4.179	56.150	50.000	12.3
Heptachlor epoxide	4.870	4.769	4.969	56.940	50.000	13.9
Methoxychlor	6.751	6.650	6.850	55.400	50.000	10.8
Tetrachloro-m-xylene	2.878	2.778	2.978	56.960	50.000	13.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:55:14 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...	3.554	2.878	114.9E6	902.0E6	46.570	56.955
28)	SA Decachlor...	9.077	8.069	160.1E6	1043.0E6	43.088	51.946
	Target Compounds						
2)	A alpha-BHC	4.004	3.389	240.5E6	1391.8E6	48.553	57.265m
3)	MA gamma-BHC...	4.335	3.727	230.8E6	1297.4E6	48.559	57.601
4)	MA Heptachlor	4.934	4.080	227.1E6	1303.3E6	47.197	56.154
5)	MB Aldrin	5.275	4.366	216.6E6	1284.7E6	47.444	57.739
6)	B beta-BHC	4.521	4.023	89205617	552.1E6	48.358	57.221
7)	B delta-BHC	4.770	4.260	216.2E6	1309.0E6	47.139	57.627
8)	B Heptachlo...	5.695	4.870	193.4E6	1170.2E6	46.250	56.945
9)	A Endosulfan I	6.078	5.245	182.4E6	1082.8E6	46.010	55.391
10)	B gamma-Chl...	5.951	5.123	194.4E6	1256.7E6	46.508	58.035
11)	B alpha-Chl...	6.031	5.188	194.7E6	1205.7E6	46.311	57.905 #
12)	B 4,4'-DDE	6.200	5.372	171.3E6	1219.3E6	45.926	57.686 #
13)	MA Dieldrin	6.351	5.510	193.1E6	1246.0E6	45.720	57.583 #
14)	MA Endrin	6.579	5.787	161.9E6	1150.9E6	45.254	57.760 #
15)	B Endosulfa...	6.791	6.078	163.1E6	1073.2E6	44.460	57.084 #
16)	A 4,4'-DDD	6.710	5.927	137.4E6	1020.6E6	45.873	57.882 #
17)	MA 4,4'-DDT	7.025	6.181	148.5E6	1082.4E6	44.202	58.916 #
18)	B Endrin al...	6.920	6.257	113.9E6	748.3E6	45.637	57.913 #
19)	B Endosulfa...	7.154	6.480	151.4E6	1027.6E6	43.635	55.348 #
20)	A Methoxychlor	7.498	6.751	75429833	542.7E6	42.187	55.404 #
21)	B Endrin ke...	7.635	6.990	159.7E6	1095.8E6	42.985	54.606 #
22)	Mirex	8.118	7.183	119.3E6	853.5E6	42.803	56.075 #

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

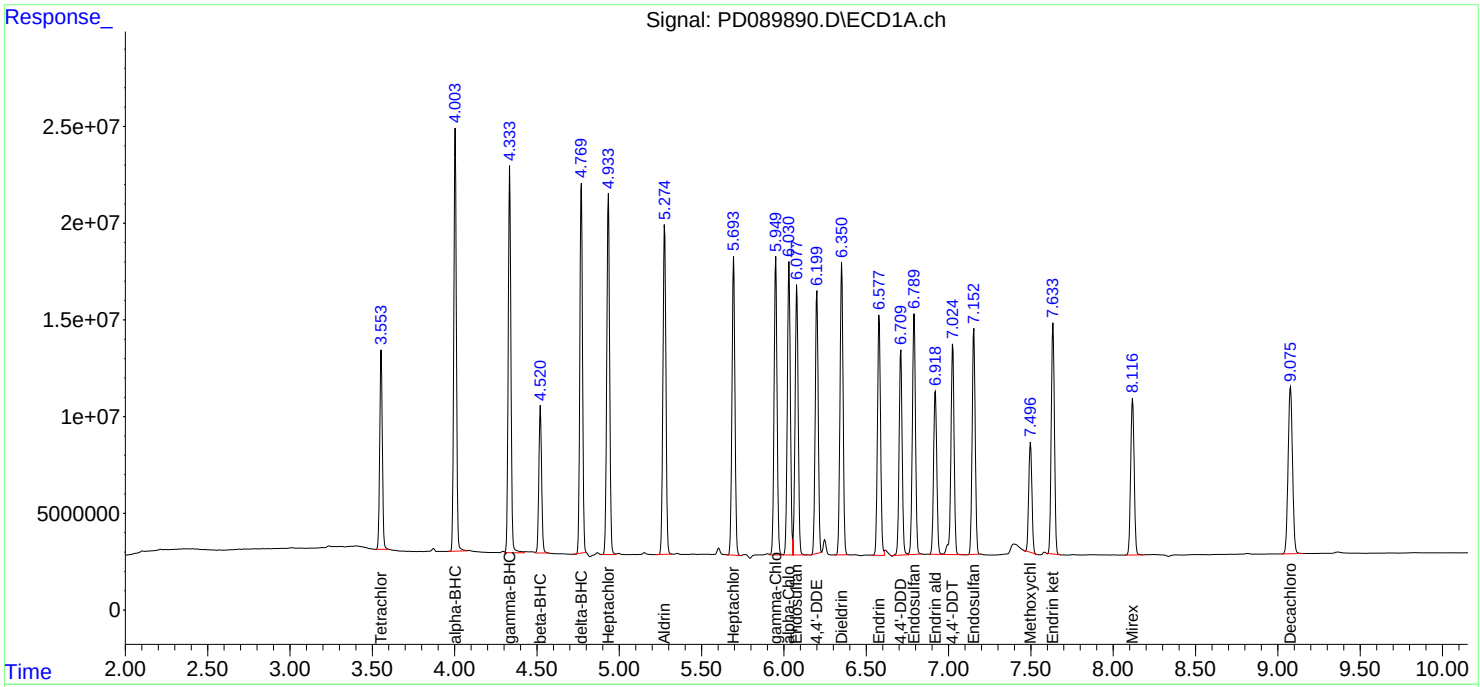
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

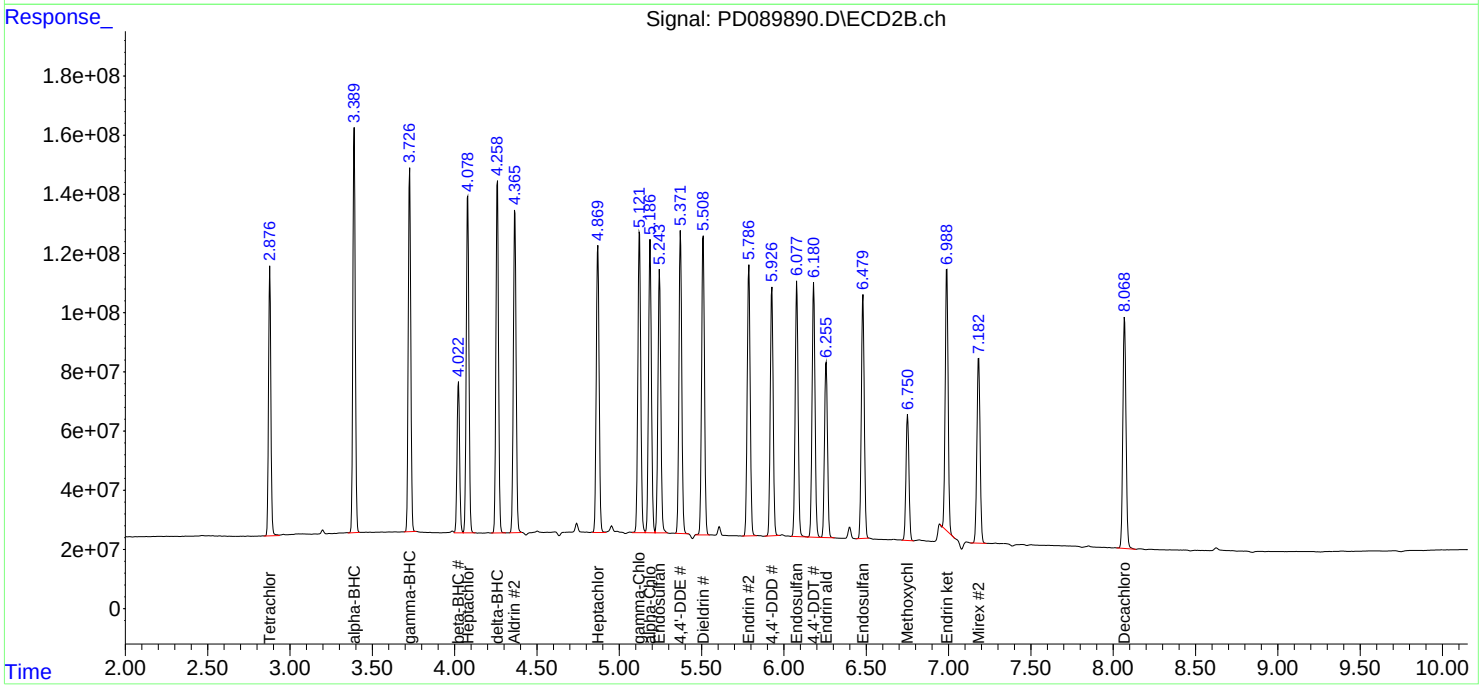
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

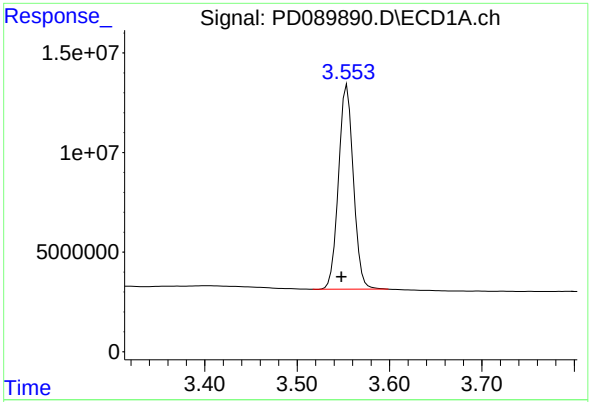
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:55:14 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







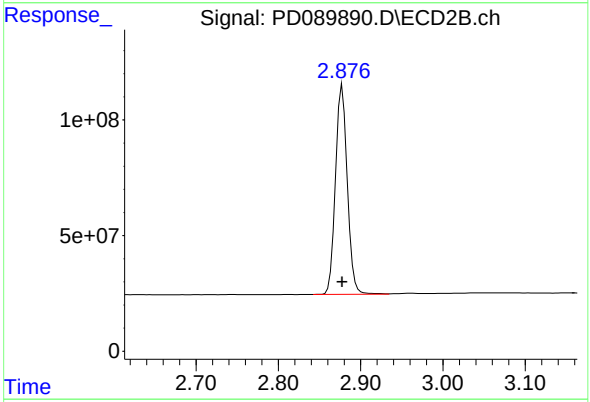
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.006 min
Response: 114868518
Conc: 46.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

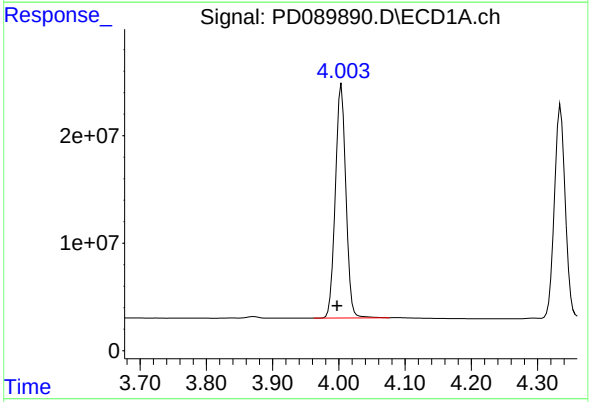
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



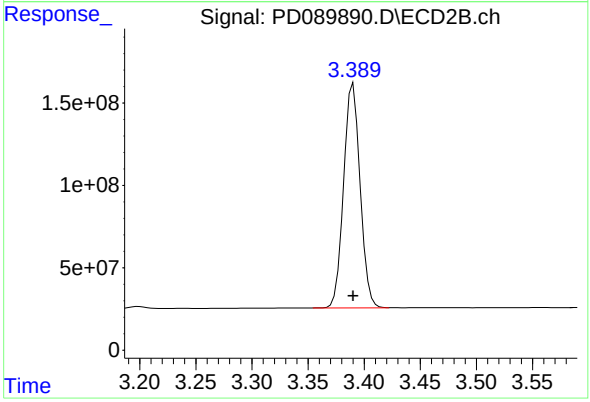
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 902049727
Conc: 56.96 ng/ml



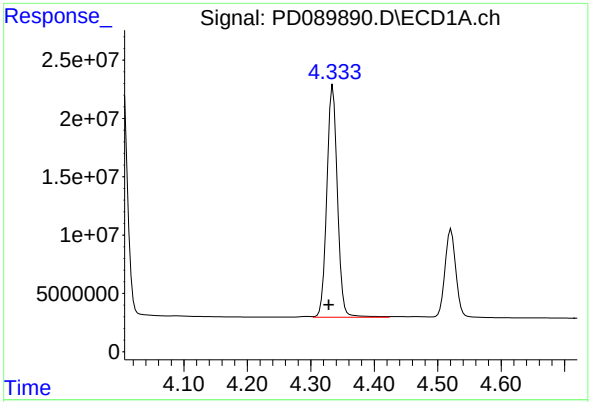
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 240510701
Conc: 48.55 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 1391811028
Conc: 57.26 ng/ml m



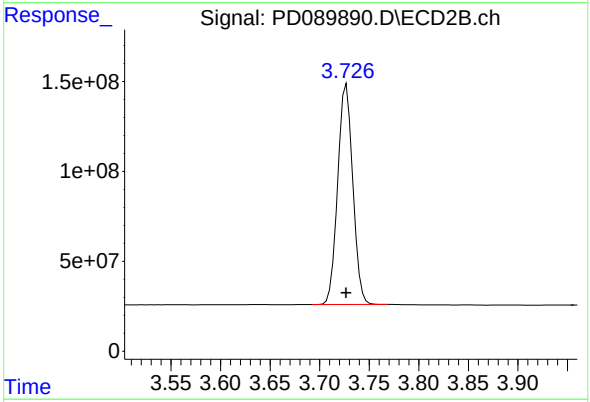
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 230768279
Conc: 48.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

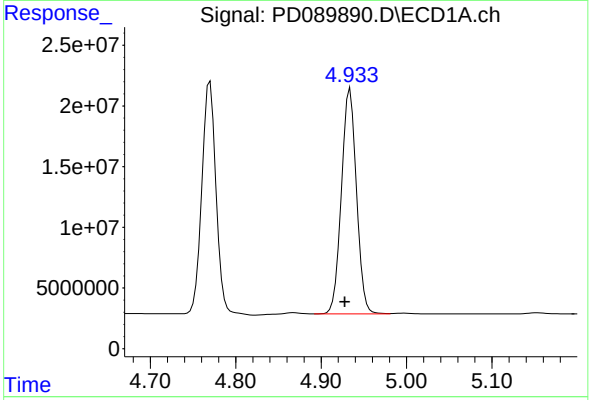
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



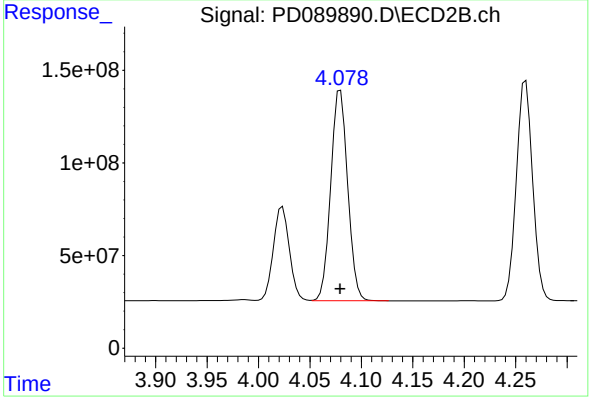
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1297401219
Conc: 57.60 ng/ml



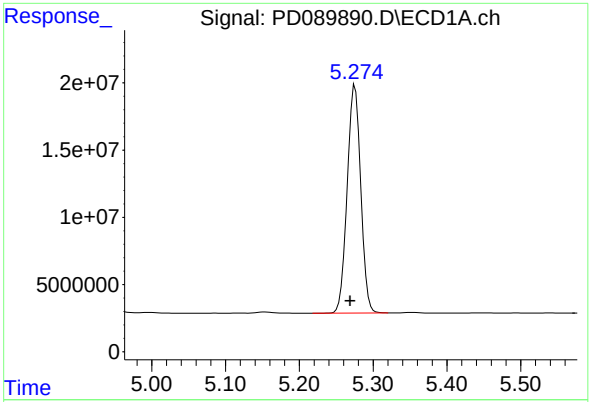
#4 Heptachlor

R.T.: 4.934 min
Delta R.T.: 0.006 min
Response: 227091128
Conc: 47.20 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1303279629
Conc: 56.15 ng/ml



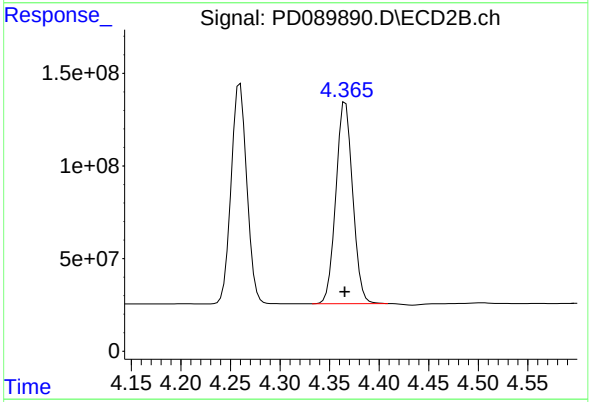
#5 Aldrin

R.T.: 5.275 min
Delta R.T.: 0.007 min
Response: 216575845
Conc: 47.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

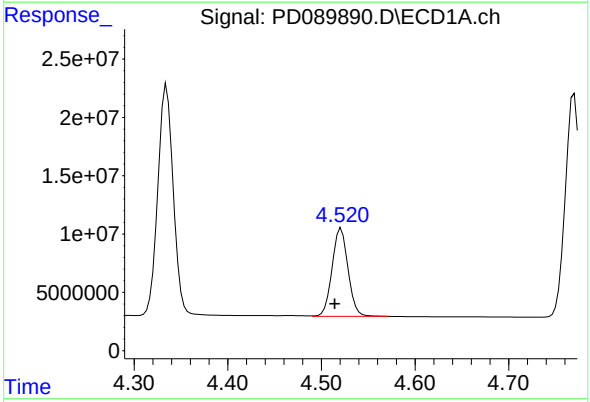
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



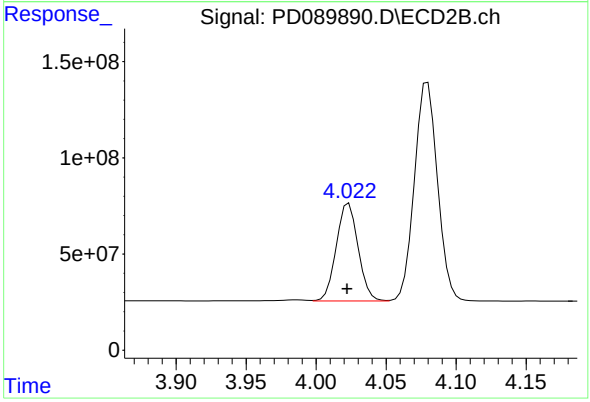
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1284738599
Conc: 57.74 ng/ml



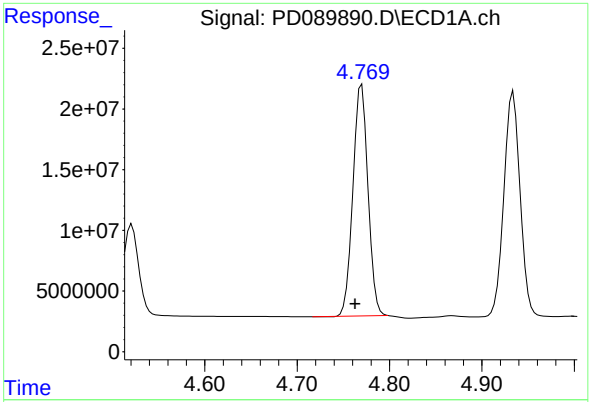
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 89205617
Conc: 48.36 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.001 min
Response: 552126073
Conc: 57.22 ng/ml



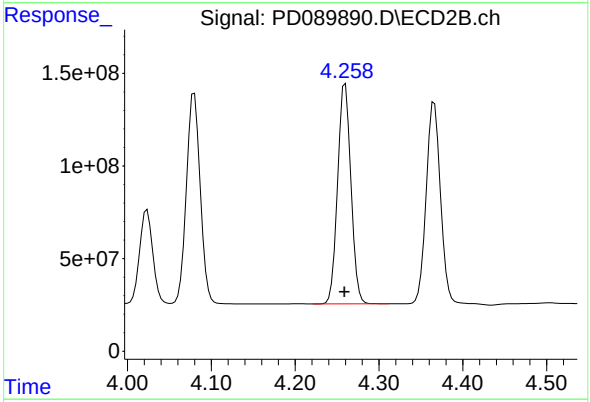
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.007 min
Response: 216190708
Conc: 47.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

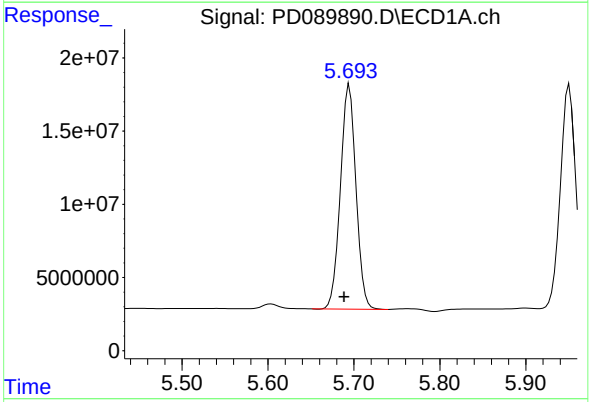
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 08/18/2025



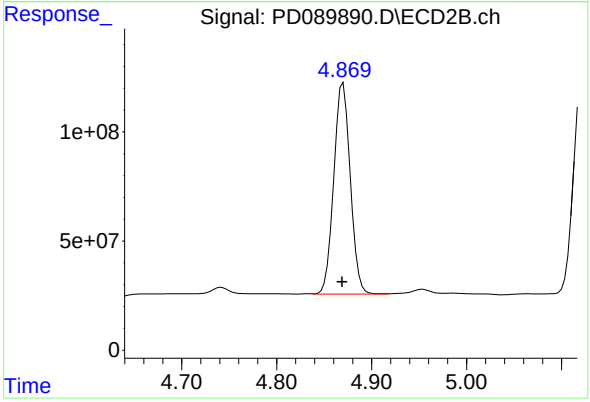
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1309007233
Conc: 57.63 ng/ml



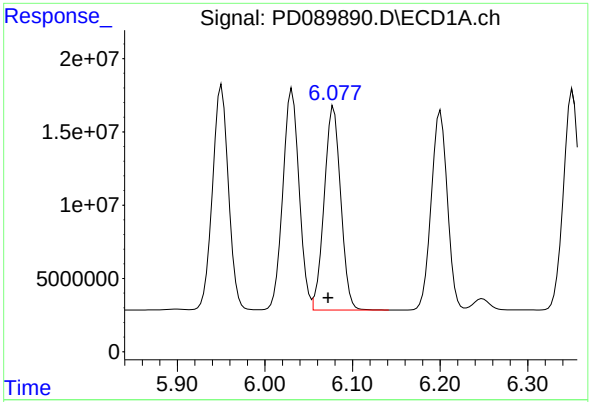
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.006 min
Response: 193359397
Conc: 46.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: 0.001 min
Response: 1170203771
Conc: 56.94 ng/ml



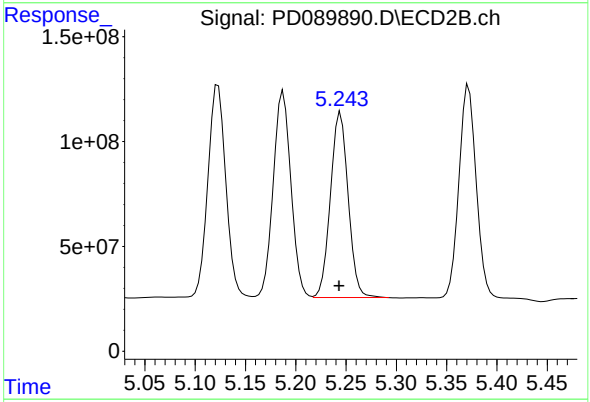
#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.006 min
Response: 182364661
Conc: 46.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

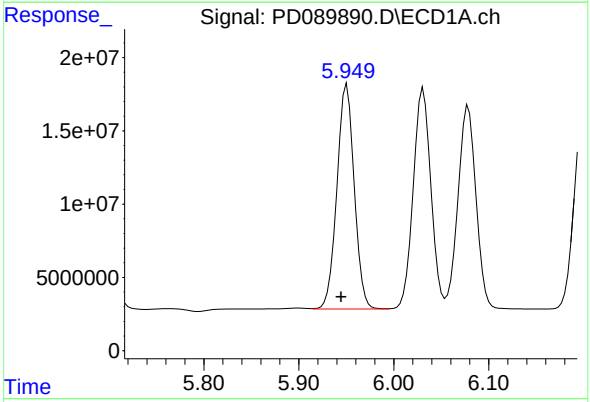
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Supervised By :mohammad ahmed 08/18/2025



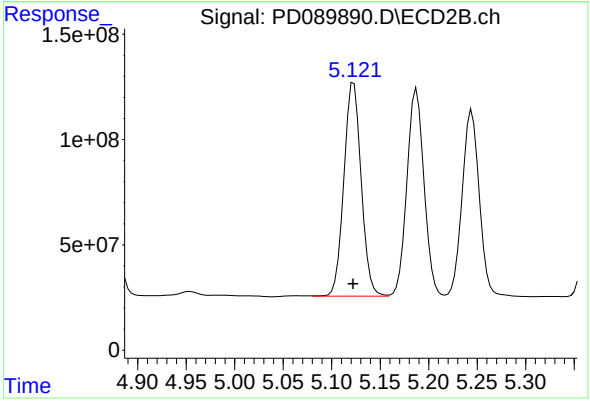
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.001 min
Response: 1082797982
Conc: 55.39 ng/ml



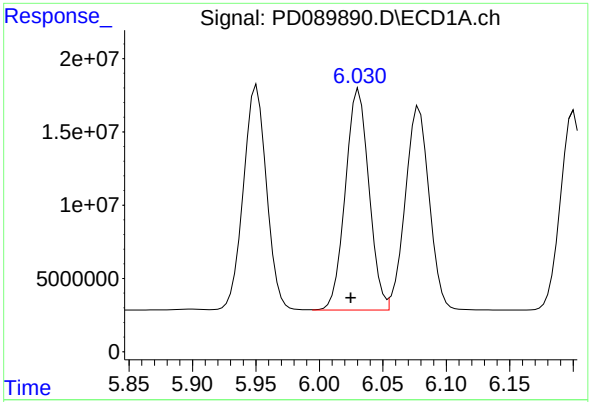
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.006 min
Response: 194362353
Conc: 46.51 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1256650780
Conc: 58.03 ng/ml



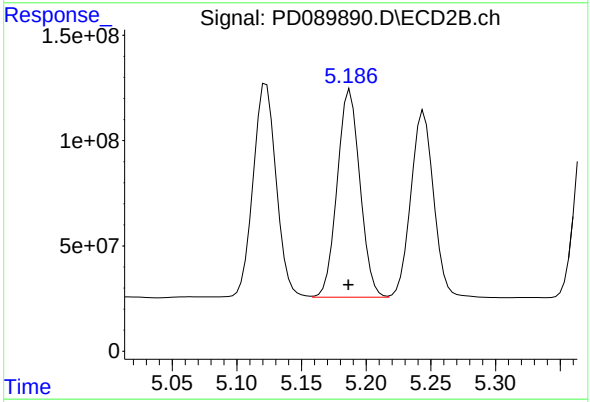
#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.006 min
Response: 194698420
Conc: 46.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

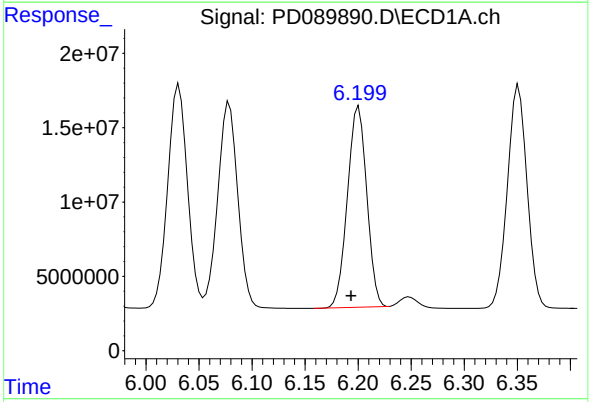
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 08/18/2025



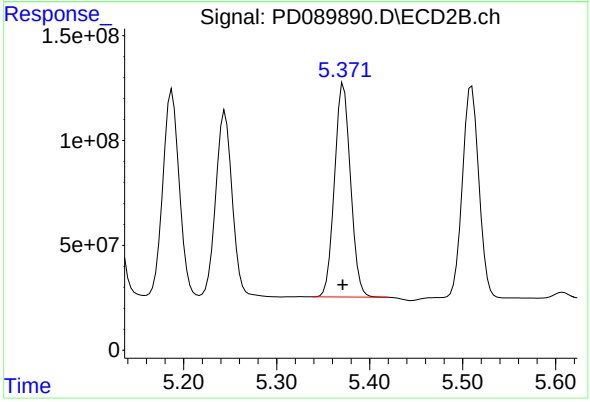
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.001 min
Response: 1205694407
Conc: 57.90 ng/ml



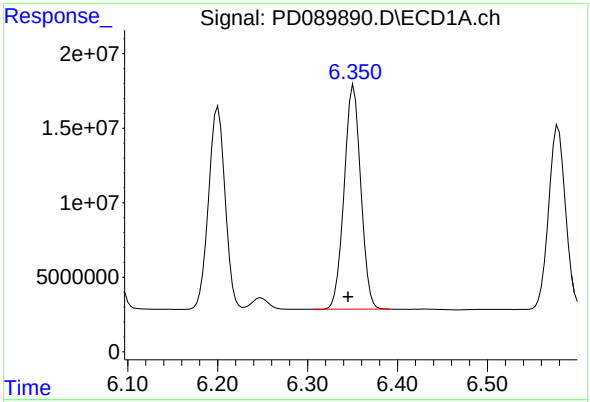
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.007 min
Response: 171293791
Conc: 45.93 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1219316866
Conc: 57.69 ng/ml



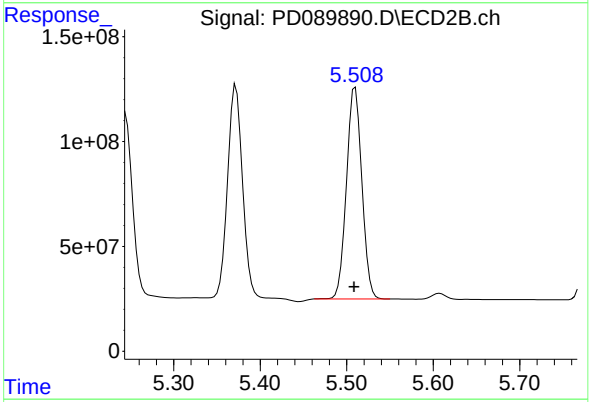
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.006 min
Response: 193093343
Conc: 45.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

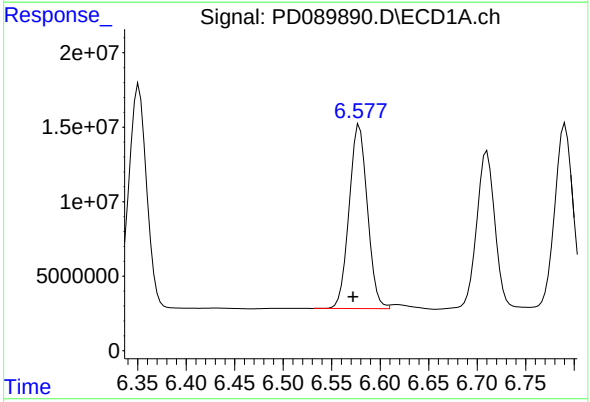
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 08/18/2025



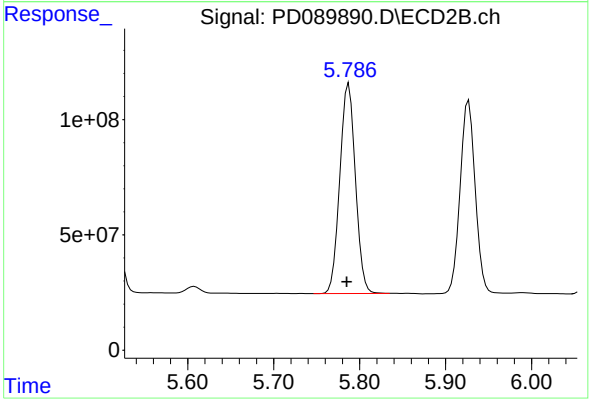
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.001 min
Response: 1246043382
Conc: 57.58 ng/ml



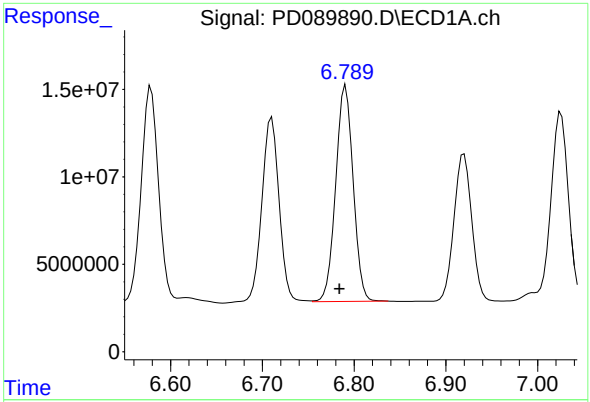
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.006 min
Response: 161905989
Conc: 45.25 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 1150870377
Conc: 57.76 ng/ml



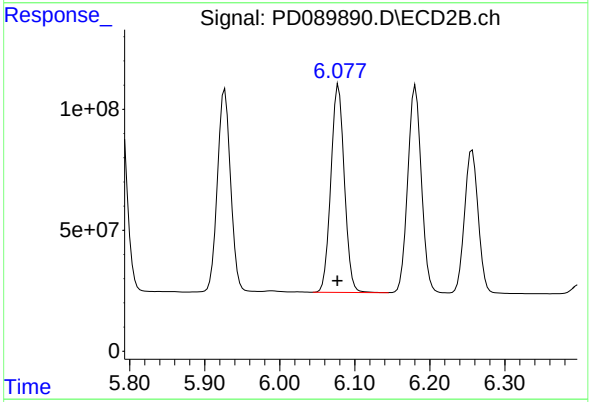
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: 0.007 min
Response: 163139883
Conc: 44.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

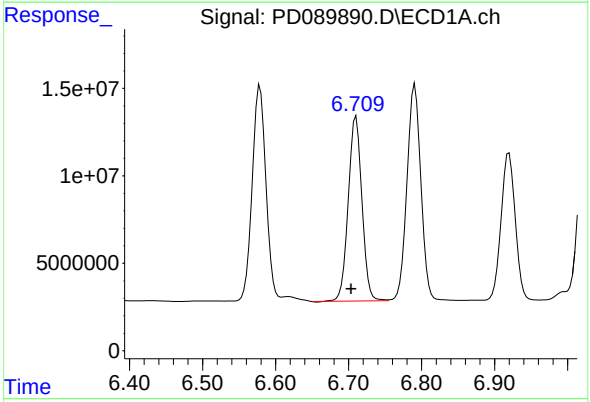
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



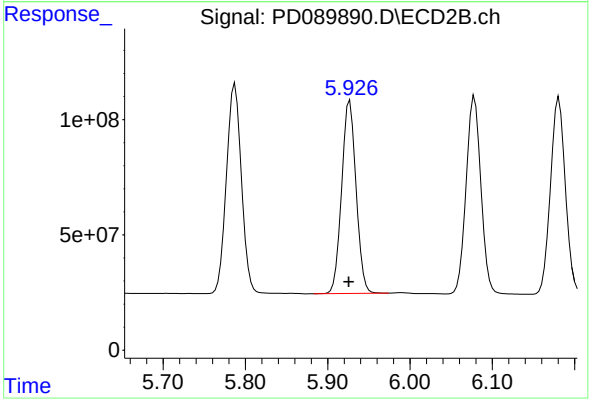
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.002 min
Response: 1073157226
Conc: 57.08 ng/ml



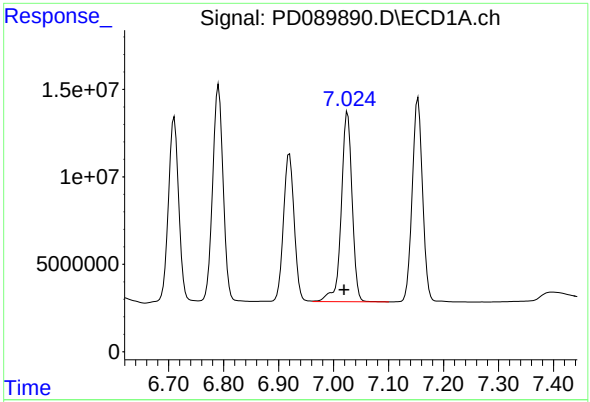
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.007 min
Response: 137381100
Conc: 45.87 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: 0.001 min
Response: 1020607945
Conc: 57.88 ng/ml



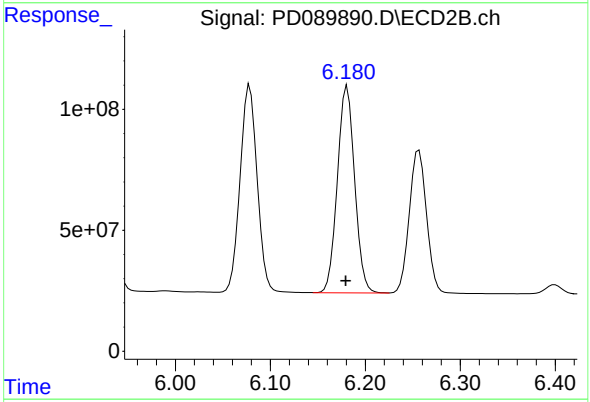
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.006 min
Response: 148528557
Conc: 44.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

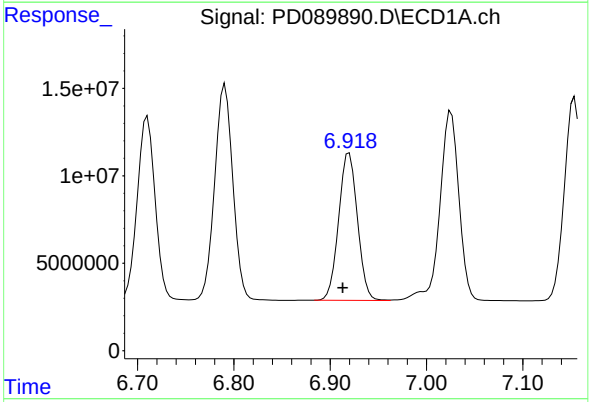
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



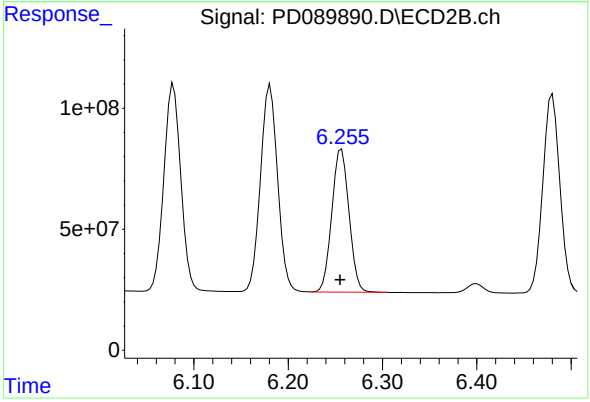
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.002 min
Response: 1082440204
Conc: 58.92 ng/ml



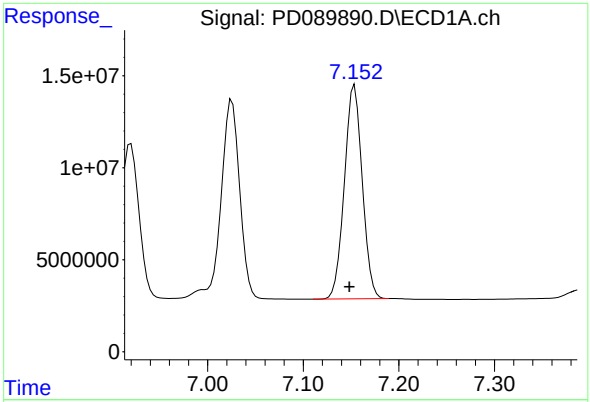
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.007 min
Response: 113890492
Conc: 45.64 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: 0.001 min
Response: 748265394
Conc: 57.91 ng/ml



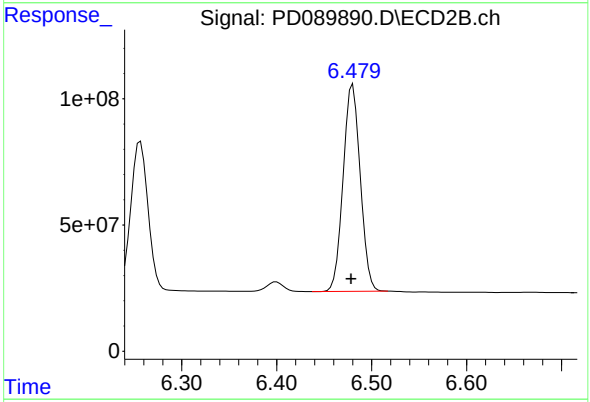
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.006 min
Response: 151417280
Conc: 43.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

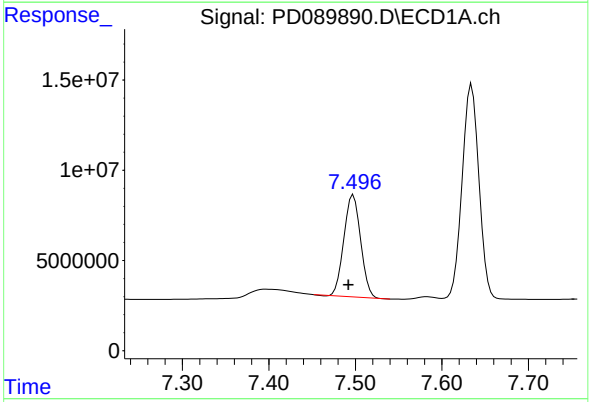
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Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



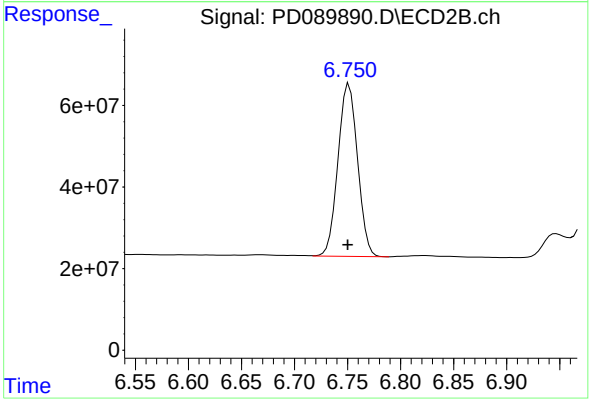
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.002 min
Response: 1027577254
Conc: 55.35 ng/ml



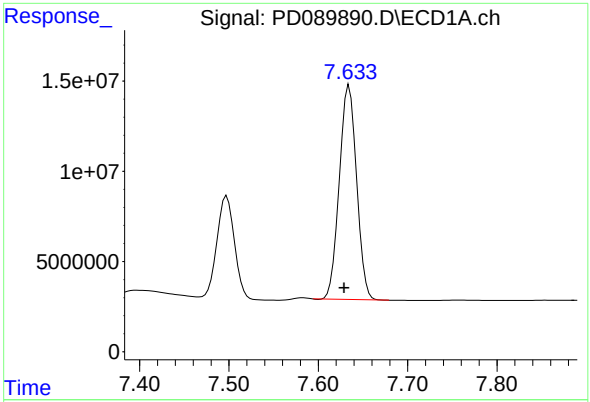
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.006 min
Response: 75429833
Conc: 42.19 ng/ml



#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.001 min
Response: 542707776
Conc: 55.40 ng/ml



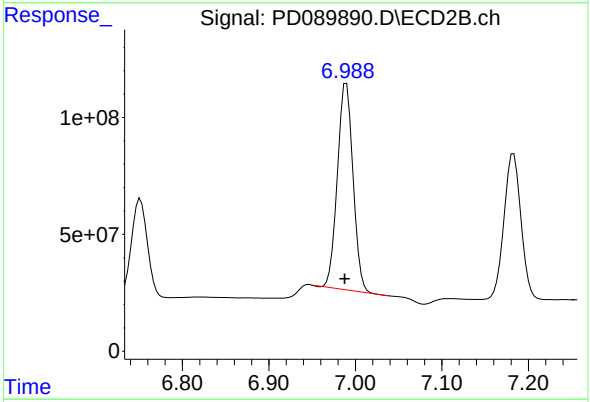
#21 Endrin ketone

R.T.: 7.635 min
Delta R.T.: 0.006 min
Response: 159654414
Conc: 42.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

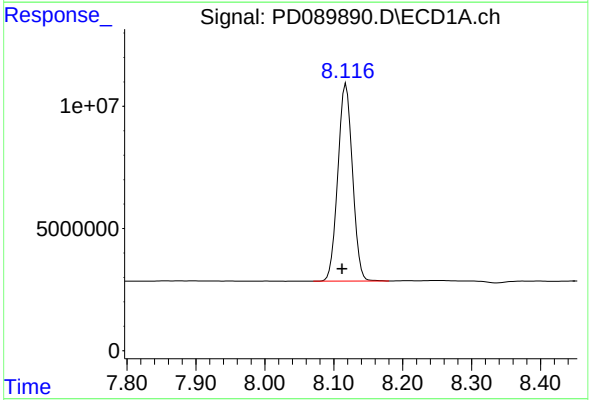
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Supervised By :mohammad ahmed 08/18/2025



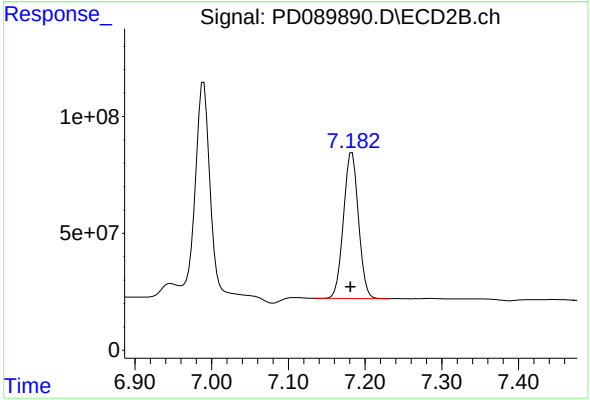
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: 0.002 min
Response: 1095844755
Conc: 54.61 ng/ml



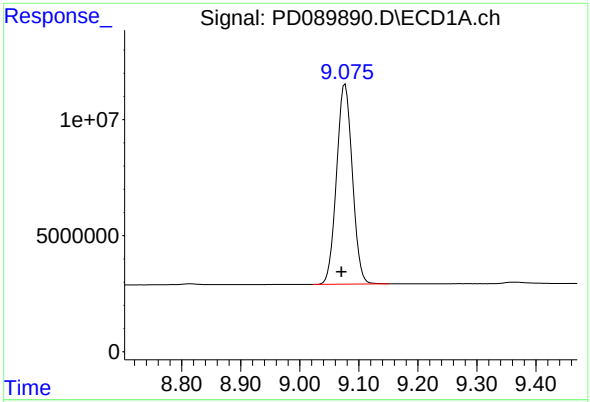
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.006 min
Response: 119348832
Conc: 42.80 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: 0.002 min
Response: 853518154
Conc: 56.07 ng/ml



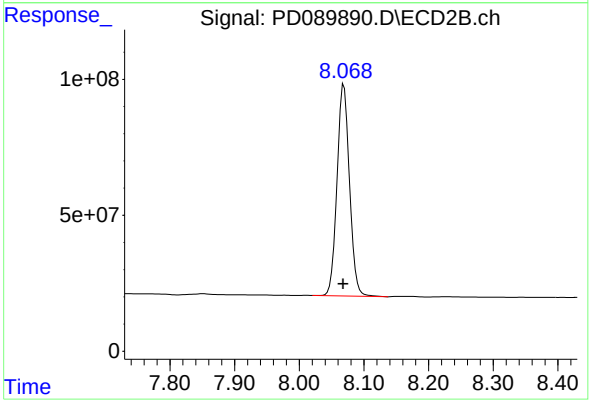
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.006 min
Response: 160124803
Conc: 43.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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Supervised By :mohammad ahmed 08/18/2025



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.001 min
Response: 1042973645
Conc: 51.95 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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 17:10 **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	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	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	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
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

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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 17:10 **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	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	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	0.00
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	6.26	6.26	6.16	6.36	0.00
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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089902.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.604	6.804	45.040	50.000	-9.9
4,4'-DDE	6.201	6.094	6.294	44.140	50.000	-11.7
4,4'-DDT	7.026	6.919	7.119	41.850	50.000	-16.3
Aldrin	5.275	5.169	5.369	46.210	50.000	-7.6
alpha-BHC	4.004	3.897	4.097	47.190	50.000	-5.6
alpha-Chlordane	6.032	5.925	6.125	44.850	50.000	-10.3
beta-BHC	4.521	4.414	4.614	46.820	50.000	-6.4
Decachlorobiphenyl	9.078	8.971	9.171	42.310	50.000	-15.4
delta-BHC	4.770	4.663	4.863	45.750	50.000	-8.5
Dieldrin	6.352	6.245	6.445	44.410	50.000	-11.2
Endosulfan I	6.079	5.972	6.172	44.650	50.000	-10.7
Endosulfan II	6.791	6.684	6.884	43.520	50.000	-13.0
Endosulfan sulfate	7.154	7.048	7.248	42.550	50.000	-14.9
Endrin	6.579	6.472	6.672	43.580	50.000	-12.8
Endrin aldehyde	6.920	6.813	7.013	45.250	50.000	-9.5
Endrin ketone	7.635	7.529	7.729	42.240	50.000	-15.5
gamma-BHC (Lindane)	4.335	4.228	4.428	47.290	50.000	-5.4
gamma-Chlordane	5.951	5.844	6.044	45.110	50.000	-9.8
Heptachlor	4.934	4.827	5.027	44.690	50.000	-10.6
Heptachlor epoxide	5.696	5.589	5.789	44.580	50.000	-10.8
Methoxychlor	7.498	7.392	7.592	43.710	50.000	-12.6
Tetrachloro-m-xylene	3.555	3.448	3.648	45.520	50.000	-9.0

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089902.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.825	6.025	56.000	50.000	12.0
4,4'-DDE	5.373	5.271	5.471	55.390	50.000	10.8
4,4'-DDT	6.181	6.079	6.279	55.790	50.000	11.6
Aldrin	4.366	4.265	4.465	55.750	50.000	11.5
alpha-BHC	3.390	3.290	3.490	55.700	50.000	11.4
alpha-Chlordane	5.188	5.086	5.286	55.640	50.000	11.3
beta-BHC	4.024	3.922	4.122	55.080	50.000	10.2
Decachlorobiphenyl	8.069	7.968	8.168	52.410	50.000	4.8
delta-BHC	4.260	4.159	4.359	55.910	50.000	11.8
Dieldrin	5.511	5.409	5.609	55.620	50.000	11.2
Endosulfan I	5.245	5.143	5.343	52.780	50.000	5.6
Endosulfan II	6.078	5.977	6.177	55.270	50.000	10.5
Endosulfan sulfate	6.480	6.378	6.578	53.770	50.000	7.5
Endrin	5.787	5.685	5.885	58.840	50.000	17.7
Endrin aldehyde	6.257	6.155	6.355	57.190	50.000	14.4
Endrin ketone	6.990	6.888	7.088	54.760	50.000	9.5
gamma-BHC (Lindane)	3.727	3.626	3.826	55.660	50.000	11.3
gamma-Chlordane	5.123	5.022	5.222	55.820	50.000	11.6
Heptachlor	4.080	3.979	4.179	53.790	50.000	7.6
Heptachlor epoxide	4.870	4.769	4.969	54.770	50.000	9.5
Methoxychlor	6.752	6.650	6.850	57.290	50.000	14.6
Tetrachloro-m-xylene	2.878	2.778	2.978	55.070	50.000	10.1

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 17:10
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 14 17:57:36 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	2.878	112.3E6	872.2E6	45.524	55.069	
28)	SA Decachlor...	9.078	8.069	157.2E6	1052.3E6	42.311	52.411	
	Target Compounds							
2)	A alpha-BHC	4.004	3.390	233.8E6	1353.8E6	47.189	55.700	
3)	MA gamma-BHC...	4.335	3.727	224.8E6	1253.8E6	47.293	55.663	
4)	MA Heptachlor	4.934	4.080	215.0E6	1248.3E6	44.693	53.786	
5)	MB Aldrin	5.275	4.366	211.0E6	1240.5E6	46.214	55.753	
6)	B beta-BHC	4.521	4.024	86363193	531.5E6	46.818	55.083	
7)	B delta-BHC	4.770	4.260	209.8E6	1269.9E6	45.748	55.906	
8)	B Heptachlo...	5.696	4.870	186.4E6	1125.6E6	44.579	54.773	
9)	A Endosulfan I	6.079	5.245	177.0E6	1031.8E6	44.648	52.781	
10)	B gamma-Chl...	5.951	5.123	188.5E6	1208.7E6	45.109	55.818	
11)	B alpha-Chl...	6.032	5.188	188.5E6	1158.5E6	44.847	55.637	
12)	B 4,4'-DDE	6.201	5.373	164.6E6	1170.9E6	44.142	55.394	#
13)	MA Dieldrin	6.352	5.511	187.6E6	1203.6E6	44.415	55.624	#
14)	MA Endrin	6.579	5.787	155.9E6	1172.4E6	43.580	58.840	#
15)	B Endosulfa...	6.791	6.078	159.7E6	1039.1E6	43.516	55.273	#
16)	A 4,4'-DDD	6.710	5.927	134.9E6	987.5E6	45.045	56.004	
17)	MA 4,4'-DDT	7.026	6.181	140.6E6	1024.9E6	41.846	55.786	#
18)	B Endrin al...	6.920	6.257	112.9E6	738.9E6	45.246	57.186	#
19)	B Endosulfa...	7.154	6.480	147.6E6	998.2E6	42.547	53.765	#
20)	A Methoxychlor	7.498	6.752	78160105	561.2E6	43.714	57.290	#
21)	B Endrin ke...	7.635	6.990	156.9E6	1099.0E6	42.239	54.762	#
22)	Mirex	8.118	7.183	116.7E6	836.3E6	41.837	54.946	#

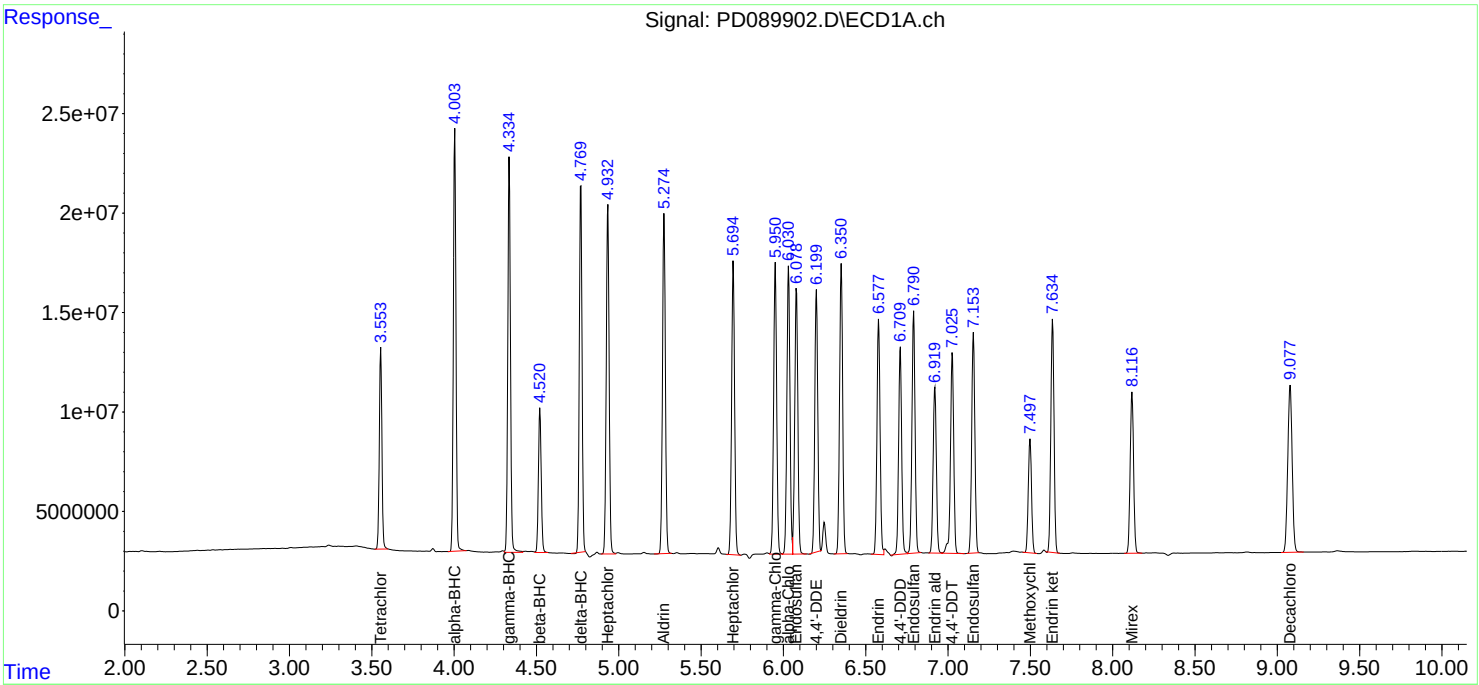
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

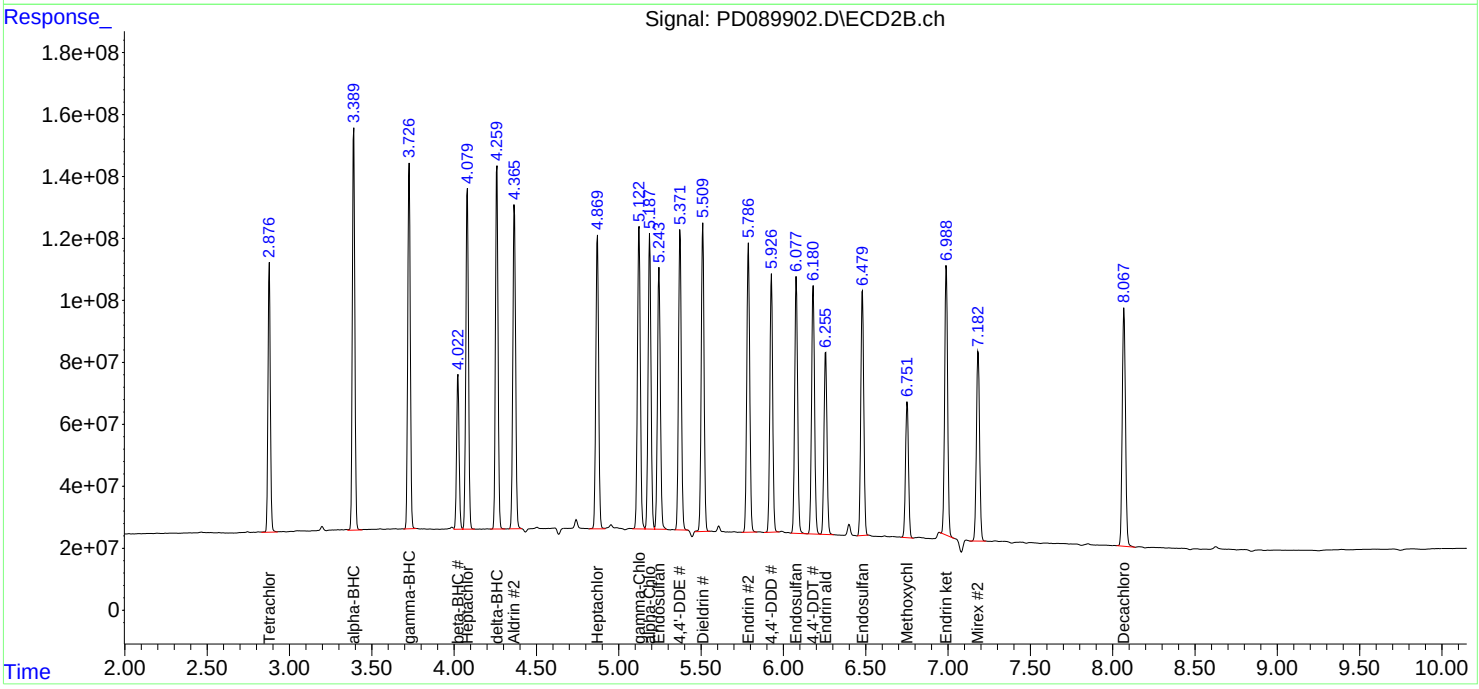
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 17:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

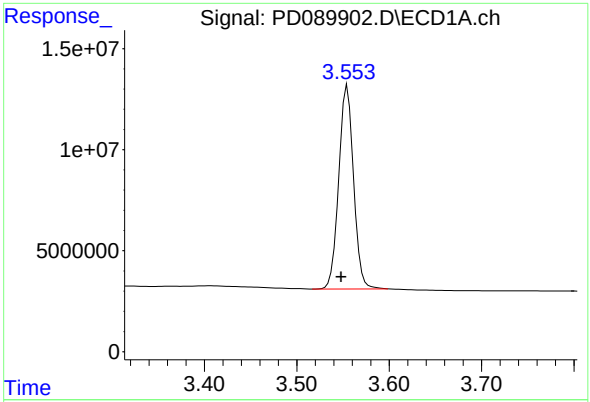
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:57:36 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



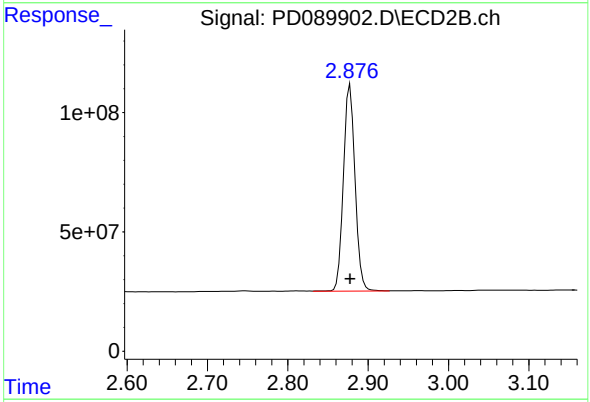




#1 Tetrachloro-m-xylene

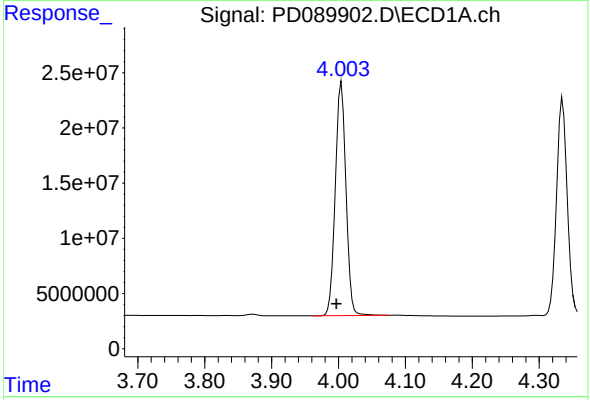
R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 112289846
Conc: 45.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



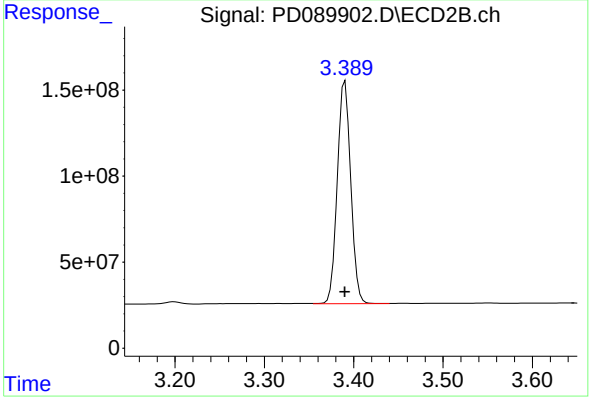
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 872170265
Conc: 55.07 ng/ml



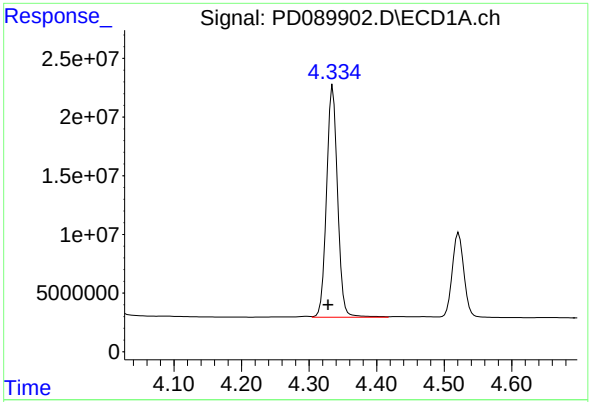
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 233753267
Conc: 47.19 ng/ml



#2 alpha-BHC

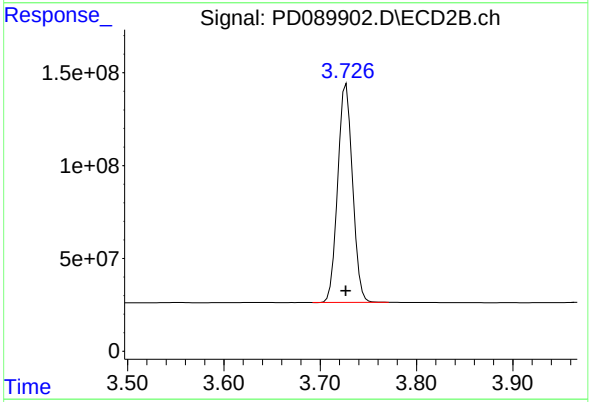
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1353789821
Conc: 55.70 ng/ml



#3 gamma-BHC (Lindane)

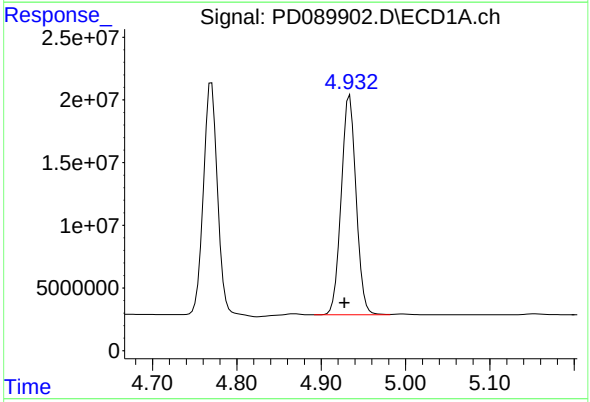
R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 224753654
Conc: 47.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



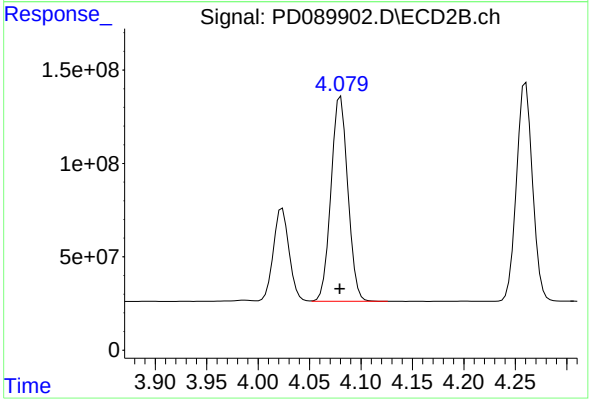
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1253758116
Conc: 55.66 ng/ml



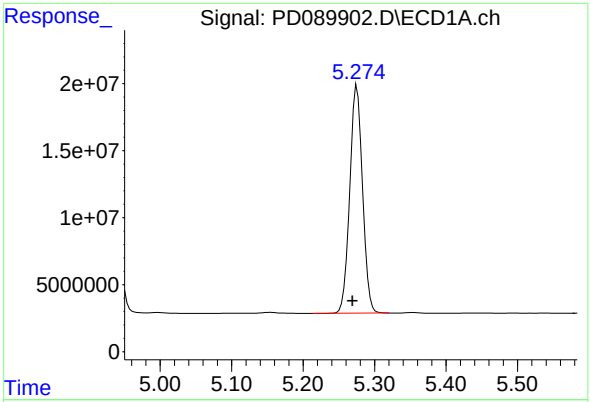
#4 Heptachlor

R.T.: 4.934 min
Delta R.T.: 0.006 min
Response: 215039013
Conc: 44.69 ng/ml



#4 Heptachlor

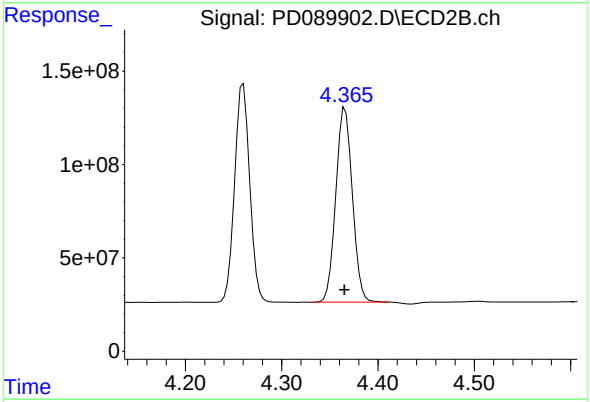
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1248334874
Conc: 53.79 ng/ml



#5 Aldrin

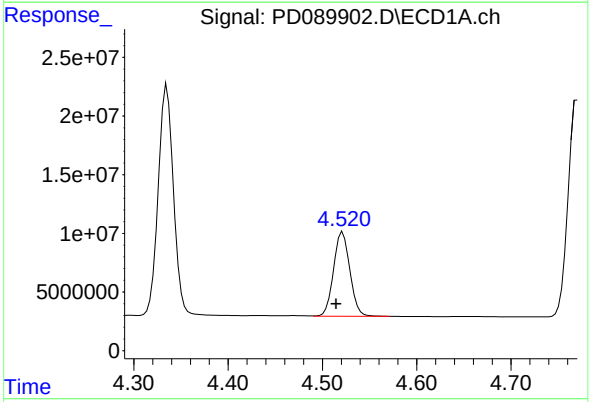
R.T.: 5.275 min
Delta R.T.: 0.007 min
Response: 210961724
Conc: 46.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



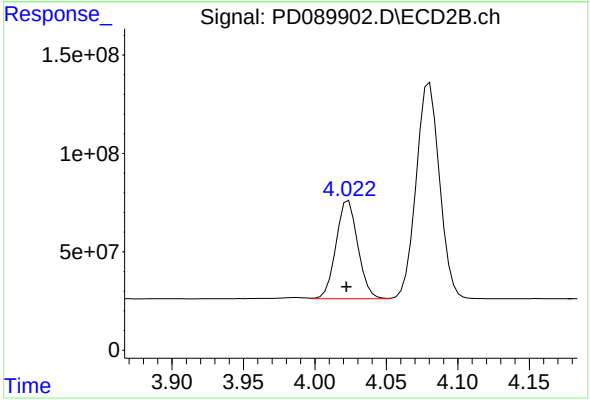
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1240540433
Conc: 55.75 ng/ml



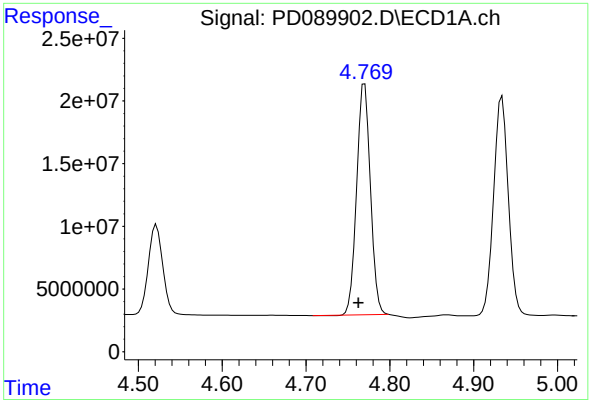
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 86363193
Conc: 46.82 ng/ml



#6 beta-BHC

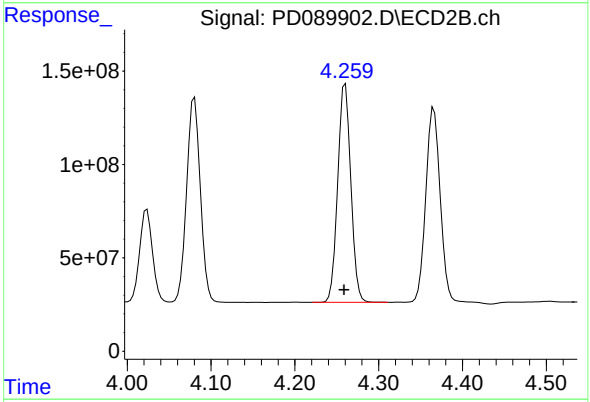
R.T.: 4.024 min
Delta R.T.: 0.002 min
Response: 531490764
Conc: 55.08 ng/ml



#7 delta-BHC

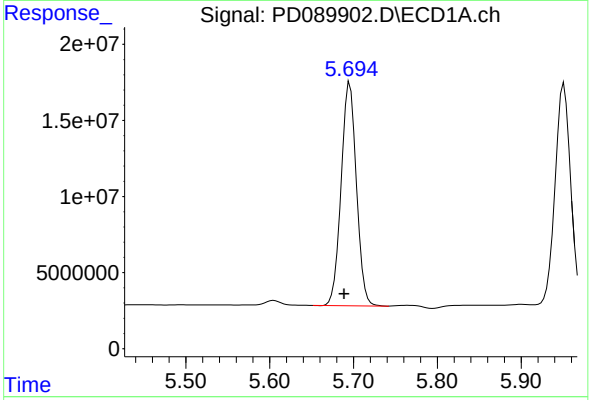
R.T.: 4.770 min
Delta R.T.: 0.007 min
Response: 209811002
Conc: 45.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



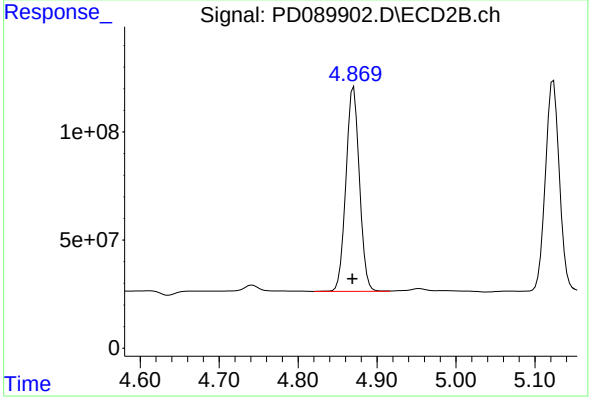
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.001 min
Response: 1269919180
Conc: 55.91 ng/ml



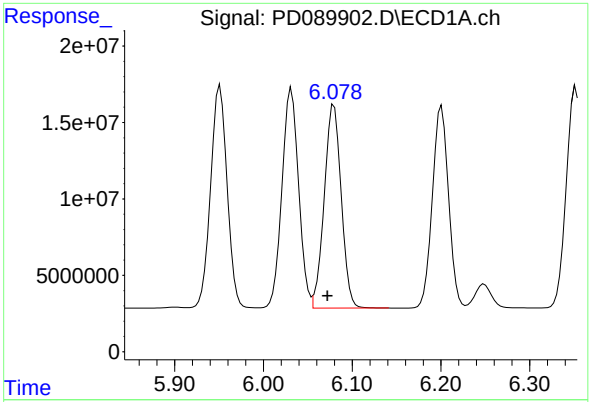
#8 Heptachlor epoxide

R.T.: 5.696 min
Delta R.T.: 0.007 min
Response: 186371398
Conc: 44.58 ng/ml



#8 Heptachlor epoxide

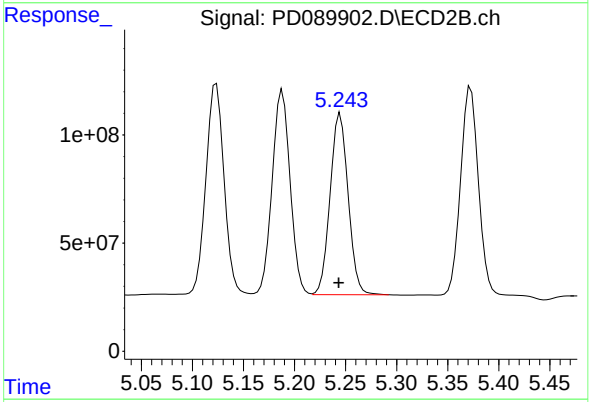
R.T.: 4.870 min
Delta R.T.: 0.002 min
Response: 1125572703
Conc: 54.77 ng/ml



#9 Endosulfan I

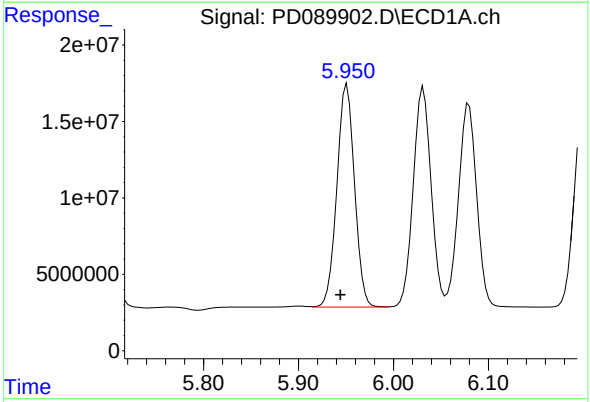
R.T.: 6.079 min
Delta R.T.: 0.007 min
Response: 176967532
Conc: 44.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



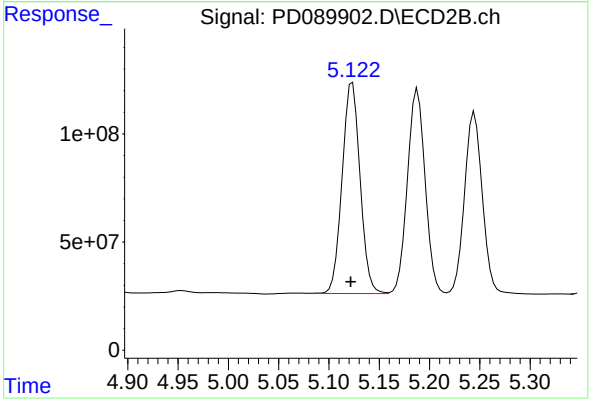
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.002 min
Response: 1031787870
Conc: 52.78 ng/ml



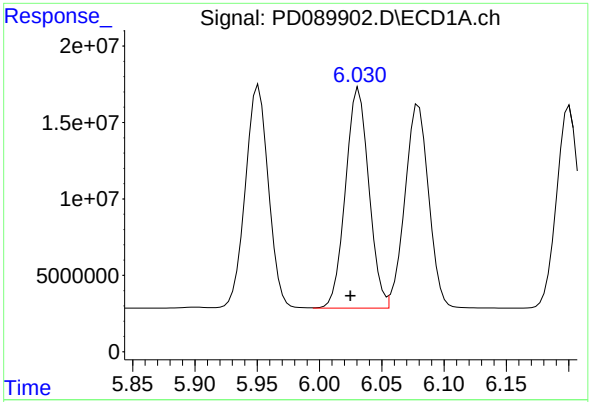
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.007 min
Response: 188514867
Conc: 45.11 ng/ml



#10 gamma-Chlordane

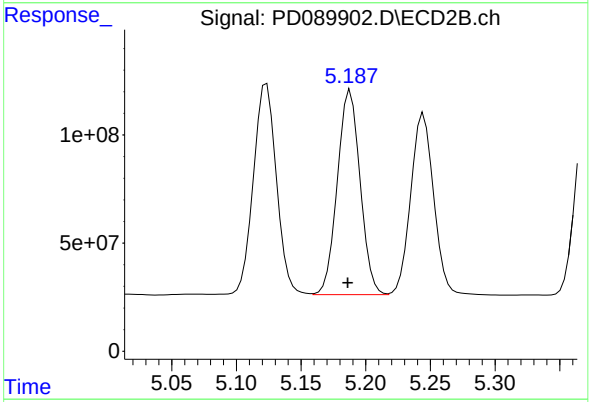
R.T.: 5.123 min
Delta R.T.: 0.002 min
Response: 1208652257
Conc: 55.82 ng/ml



#11 alpha-Chlordane

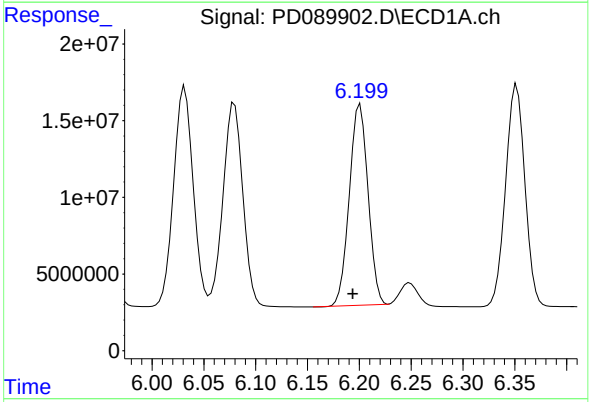
R.T.: 6.032 min
Delta R.T.: 0.007 min
Response: 188544982
Conc: 44.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



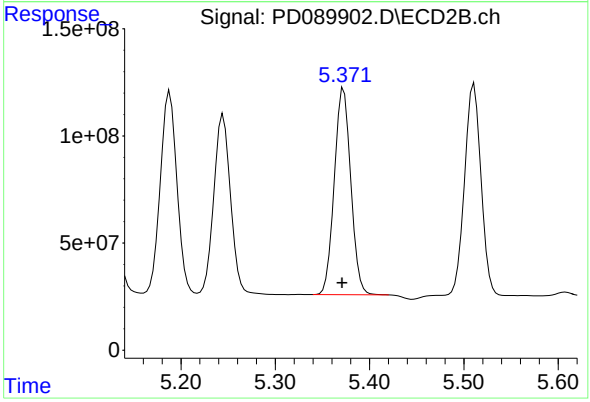
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.002 min
Response: 1158482536
Conc: 55.64 ng/ml



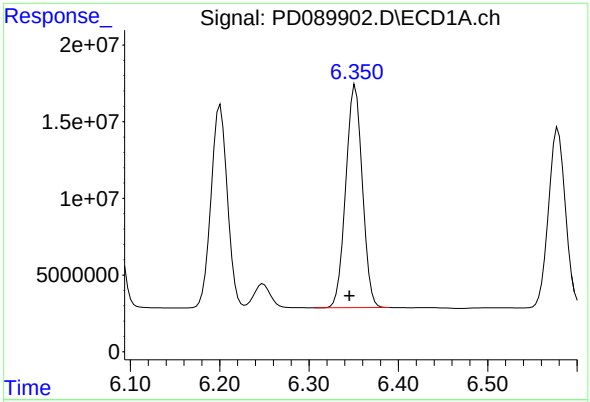
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.007 min
Response: 164637179
Conc: 44.14 ng/ml



#12 4,4'-DDE

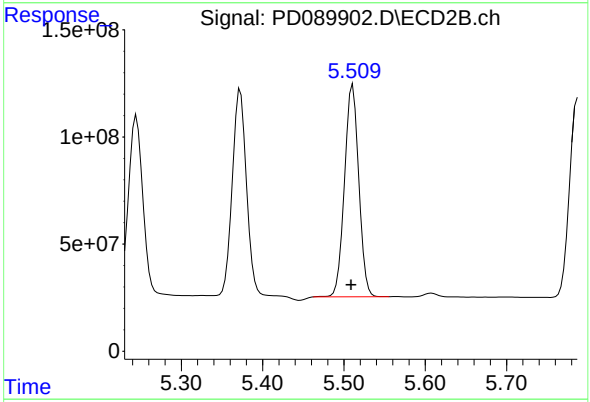
R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 1170878610
Conc: 55.39 ng/ml



#13 Dieldrin

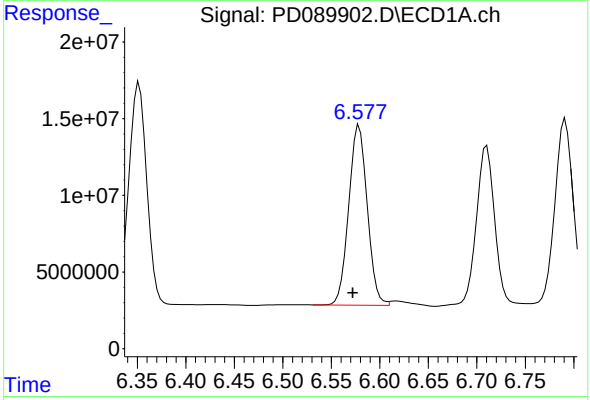
R.T.: 6.352 min
Delta R.T.: 0.007 min
Response: 187582499
Conc: 44.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



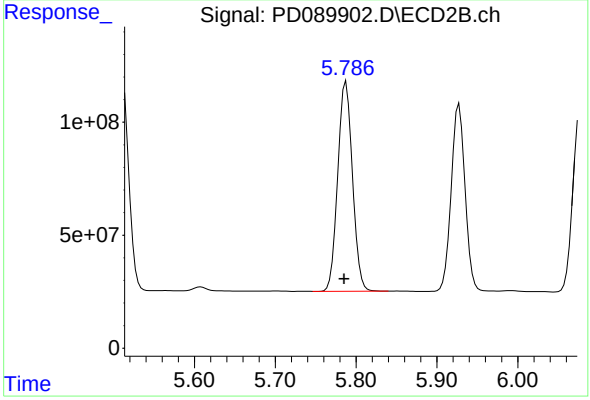
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: 0.002 min
Response: 1203638892
Conc: 55.62 ng/ml



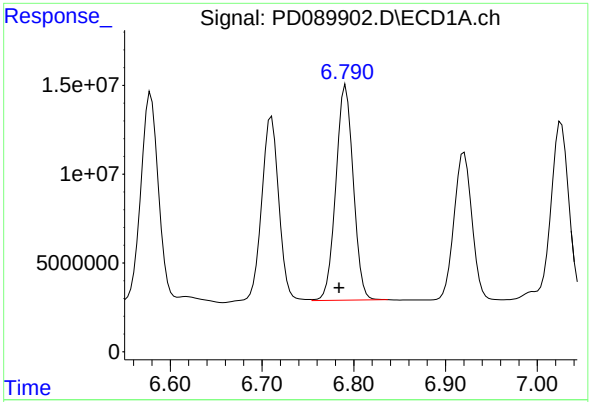
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.007 min
Response: 155917961
Conc: 43.58 ng/ml



#14 Endrin

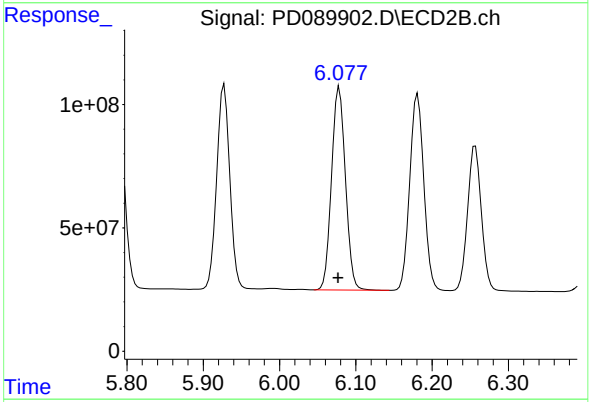
R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 1172404604
Conc: 58.84 ng/ml



#15 Endosulfan II

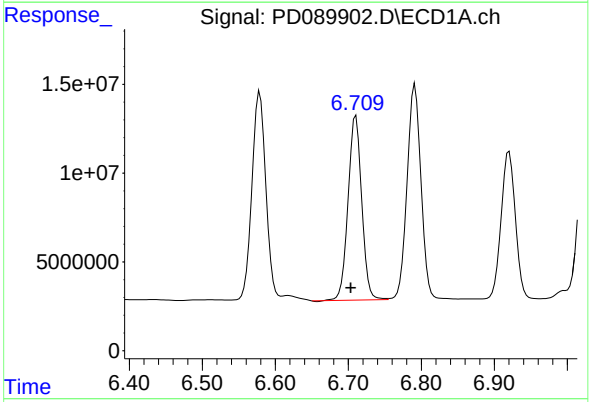
R.T.: 6.791 min
Delta R.T.: 0.007 min
Response: 159677424
Conc: 43.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



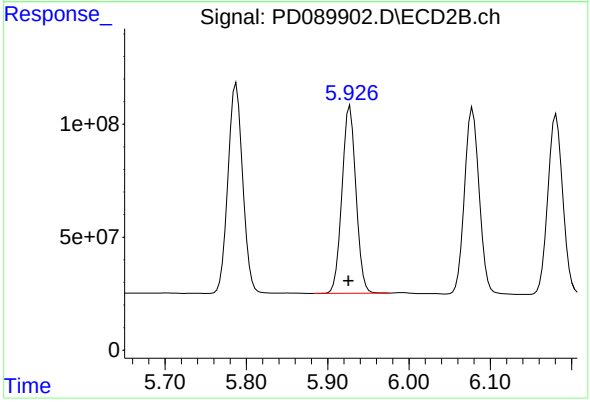
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.002 min
Response: 1039112470
Conc: 55.27 ng/ml



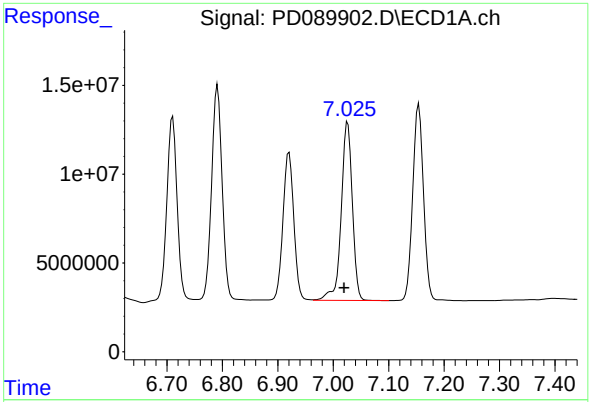
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.007 min
Response: 134900276
Conc: 45.04 ng/ml



#16 4,4'-DDD

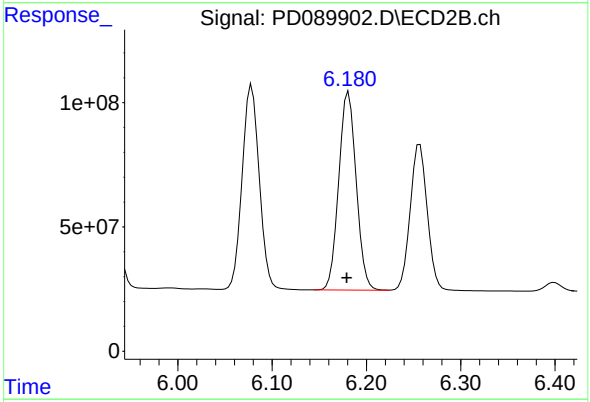
R.T.: 5.927 min
Delta R.T.: 0.002 min
Response: 987504303
Conc: 56.00 ng/ml



#17 4,4'-DDT

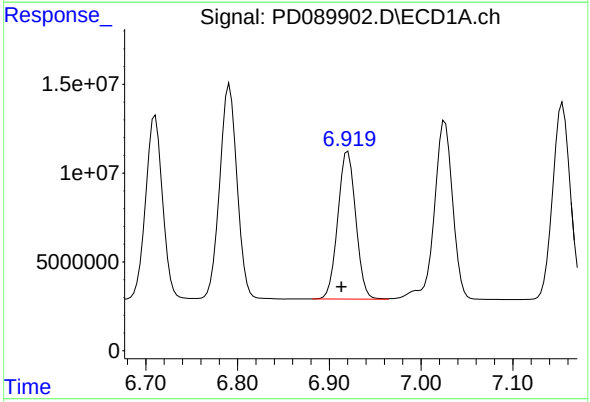
R.T.: 7.026 min
Delta R.T.: 0.007 min
Response: 140612867
Conc: 41.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



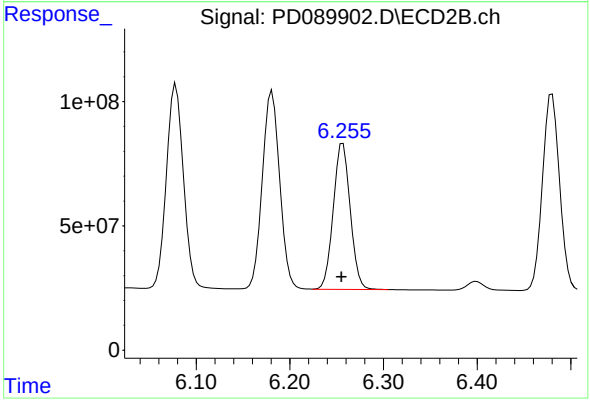
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.002 min
Response: 1024945874
Conc: 55.79 ng/ml



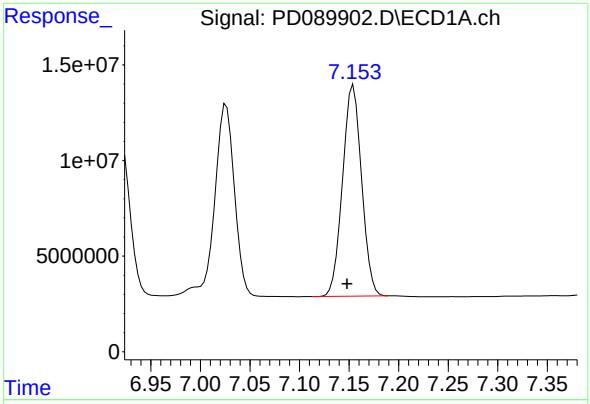
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.007 min
Response: 112915510
Conc: 45.25 ng/ml



#18 Endrin aldehyde

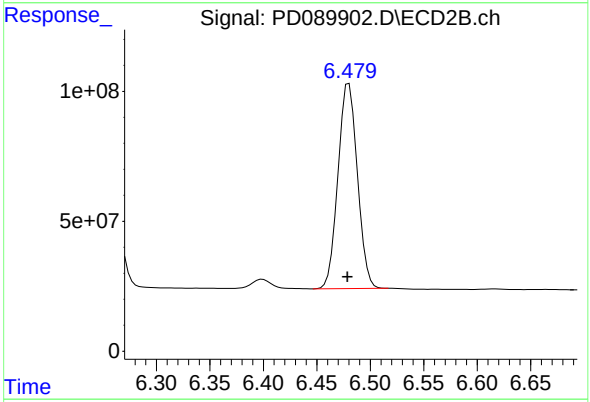
R.T.: 6.257 min
Delta R.T.: 0.001 min
Response: 738864135
Conc: 57.19 ng/ml



#19 Endosulfan Sulfate

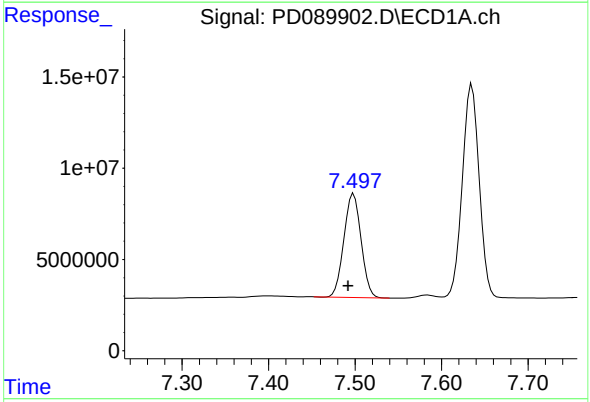
R.T.: 7.154 min
Delta R.T.: 0.006 min
Response: 147639378
Conc: 42.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



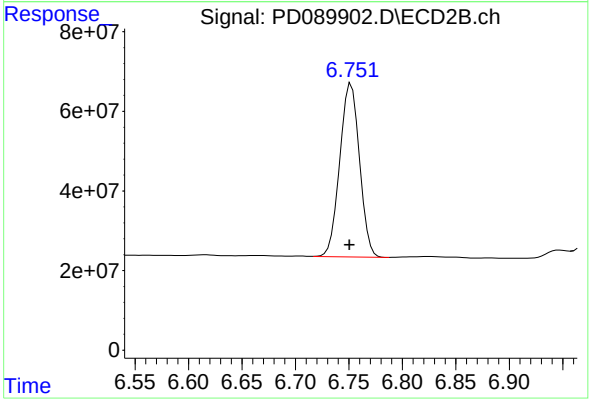
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.002 min
Response: 998187017
Conc: 53.77 ng/ml



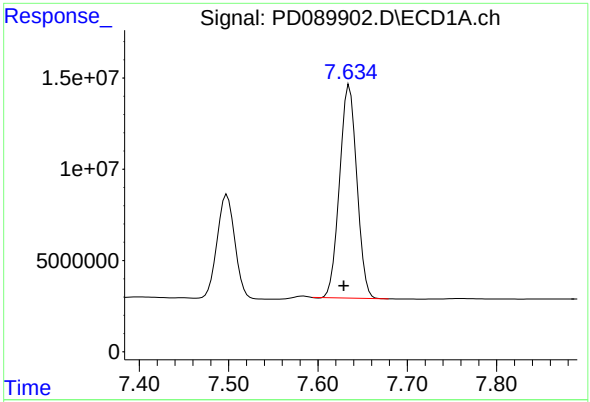
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.007 min
Response: 78160105
Conc: 43.71 ng/ml



#20 Methoxychlor

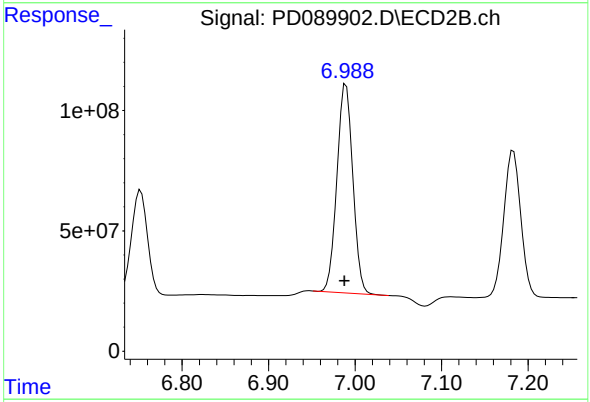
R.T.: 6.752 min
Delta R.T.: 0.002 min
Response: 561187795
Conc: 57.29 ng/ml



#21 Endrin ketone

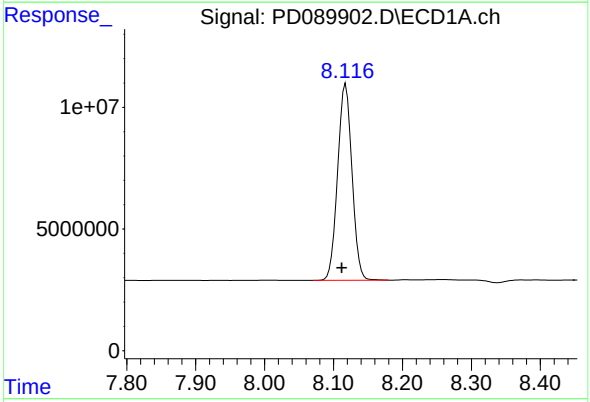
R.T.: 7.635 min
Delta R.T.: 0.006 min
Response: 156882411
Conc: 42.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



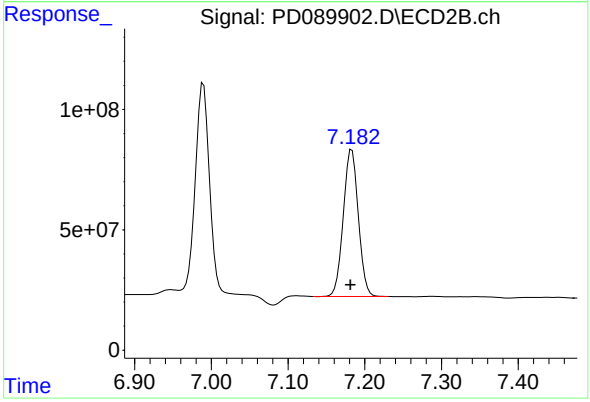
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: 0.002 min
Response: 1098982273
Conc: 54.76 ng/ml



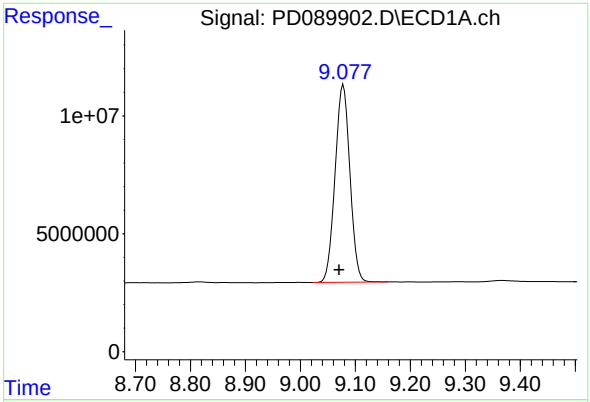
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.006 min
Response: 116655228
Conc: 41.84 ng/ml



#22 Mirex

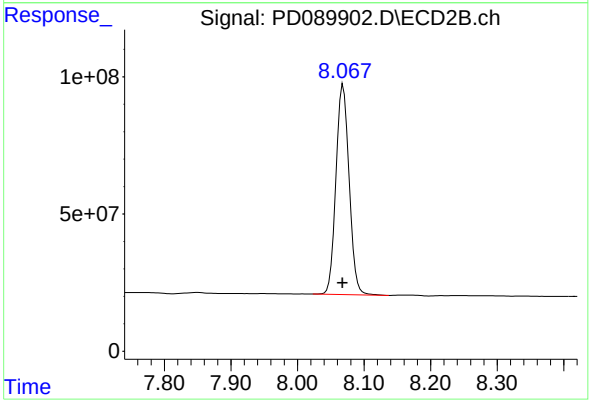
R.T.: 7.183 min
Delta R.T.: 0.002 min
Response: 836340264
Conc: 54.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.008 min
Response: 157236814
Conc: 42.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 1052300634
Conc: 52.41 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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/15/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 10:04 **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	0.00
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	6.35	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	6.79	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	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/15/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 10:04 **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	4.37	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	0.00
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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089906.D **Time Analyzed:** 10:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.703	6.604	6.804	44.470	50.000	-11.1
4,4'-DDE	6.194	6.094	6.294	43.060	50.000	-13.9
4,4'-DDT	7.019	6.919	7.119	41.190	50.000	-17.6
Aldrin	5.269	5.169	5.369	44.960	50.000	-10.1
alpha-BHC	3.998	3.897	4.097	46.280	50.000	-7.4
alpha-Chlordane	6.025	5.925	6.125	43.730	50.000	-12.5
beta-BHC	4.515	4.414	4.614	46.070	50.000	-7.9
Decachlorobiphenyl	9.069	8.971	9.171	41.310	50.000	-17.4
delta-BHC	4.764	4.663	4.863	45.720	50.000	-8.6
Dieldrin	6.345	6.245	6.445	43.340	50.000	-13.3
Endosulfan I	6.072	5.972	6.172	43.570	50.000	-12.9
Endosulfan II	6.785	6.684	6.884	42.820	50.000	-14.4
Endosulfan sulfate	7.148	7.048	7.248	41.230	50.000	-17.5
Endrin	6.572	6.472	6.672	43.330	50.000	-13.3
Endrin aldehyde	6.913	6.813	7.013	43.780	50.000	-12.4
Endrin ketone	7.628	7.529	7.729	41.130	50.000	-17.7
gamma-BHC (Lindane)	4.329	4.228	4.428	45.990	50.000	-8.0
gamma-Chlordane	5.944	5.844	6.044	43.880	50.000	-12.2
Heptachlor	4.927	4.827	5.027	44.330	50.000	-11.3
Heptachlor epoxide	5.689	5.589	5.789	44.490	50.000	-11.0
Methoxychlor	7.491	7.392	7.592	43.320	50.000	-13.4
Tetrachloro-m-xylene	3.548	3.448	3.648	45.110	50.000	-9.8

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089906.D **Time Analyzed:** 10:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.825	6.025	54.480	50.000	9.0
4,4'-DDE	5.371	5.271	5.471	54.570	50.000	9.1
4,4'-DDT	6.179	6.079	6.279	55.050	50.000	10.1
Aldrin	4.365	4.265	4.465	54.940	50.000	9.9
alpha-BHC	3.390	3.290	3.490	55.110	50.000	10.2
alpha-Chlordane	5.186	5.086	5.286	54.750	50.000	9.5
beta-BHC	4.022	3.922	4.122	54.820	50.000	9.6
Decachlorobiphenyl	8.066	7.968	8.168	51.620	50.000	3.2
delta-BHC	4.259	4.159	4.359	55.150	50.000	10.3
Dieldrin	5.508	5.409	5.609	54.580	50.000	9.2
Endosulfan I	5.243	5.143	5.343	51.800	50.000	3.6
Endosulfan II	6.076	5.977	6.177	54.110	50.000	8.2
Endosulfan sulfate	6.478	6.378	6.578	52.600	50.000	5.2
Endrin	5.786	5.685	5.885	56.890	50.000	13.8
Endrin aldehyde	6.254	6.155	6.355	55.280	50.000	10.6
Endrin ketone	6.987	6.888	7.088	52.610	50.000	5.2
gamma-BHC (Lindane)	3.726	3.626	3.826	55.270	50.000	10.5
gamma-Chlordane	5.121	5.022	5.222	55.080	50.000	10.2
Heptachlor	4.079	3.979	4.179	53.030	50.000	6.1
Heptachlor epoxide	4.869	4.769	4.969	54.100	50.000	8.2
Methoxychlor	6.749	6.650	6.850	55.390	50.000	10.8
Tetrachloro-m-xylene	2.878	2.778	2.978	54.600	50.000	9.2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 10:04
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 18 01:49:10 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	111.3E6	864.8E6	45.110	54.604	
28)	SA Decachlor...	9.069	8.066	153.5E6	1036.4E6	41.310	51.618	
	Target Compounds							
2)	A alpha-BHC	3.998	3.390	229.3E6	1339.5E6	46.284	55.111	
3)	MA gamma-BHC...	4.329	3.726	218.6E6	1244.9E6	45.991	55.270	
4)	MA Heptachlor	4.927	4.079	213.3E6	1230.8E6	44.328	53.031	
5)	MB Aldrin	5.269	4.365	205.3E6	1222.4E6	44.964	54.937	
6)	B beta-BHC	4.515	4.022	84983783	529.0E6	46.070	54.824	
7)	B delta-BHC	4.764	4.259	209.7E6	1252.7E6	45.723	55.148	
8)	B Heptachlo...	5.689	4.869	186.0E6	1111.7E6	44.495	54.098	
9)	A Endosulfan I	6.072	5.243	172.7E6	1012.5E6	43.568	51.796	
10)	B gamma-Chl...	5.944	5.121	183.4E6	1192.6E6	43.879	55.078	#
11)	B alpha-Chl...	6.025	5.186	183.9E6	1140.1E6	43.734	54.753	#
12)	B 4,4'-DDE	6.194	5.371	160.6E6	1153.5E6	43.058	54.571	#
13)	MA Dieldrin	6.345	5.508	183.0E6	1181.0E6	43.339	54.579	#
14)	MA Endrin	6.572	5.786	155.0E6	1133.5E6	43.326	56.888	#
15)	B Endosulfa...	6.785	6.076	157.1E6	1017.3E6	42.822	54.112	#
16)	A 4,4'-DDD	6.703	5.925	133.2E6	960.5E6	44.469	54.475	
17)	MA 4,4'-DDT	7.019	6.179	138.4E6	1011.5E6	41.190	55.054	#
18)	B Endrin al...	6.913	6.254	109.3E6	714.3E6	43.778	55.285	#
19)	B Endosulfa...	7.148	6.478	143.1E6	976.5E6	41.228	52.596	#
20)	A Methoxychlor	7.491	6.749	77448439	542.6E6	43.316	55.394	#
21)	B Endrin ke...	7.628	6.987	152.7E6	1055.7E6	41.126	52.606	#
22)	Mirex	8.111	7.181	113.5E6	826.4E6	40.699	54.291	#

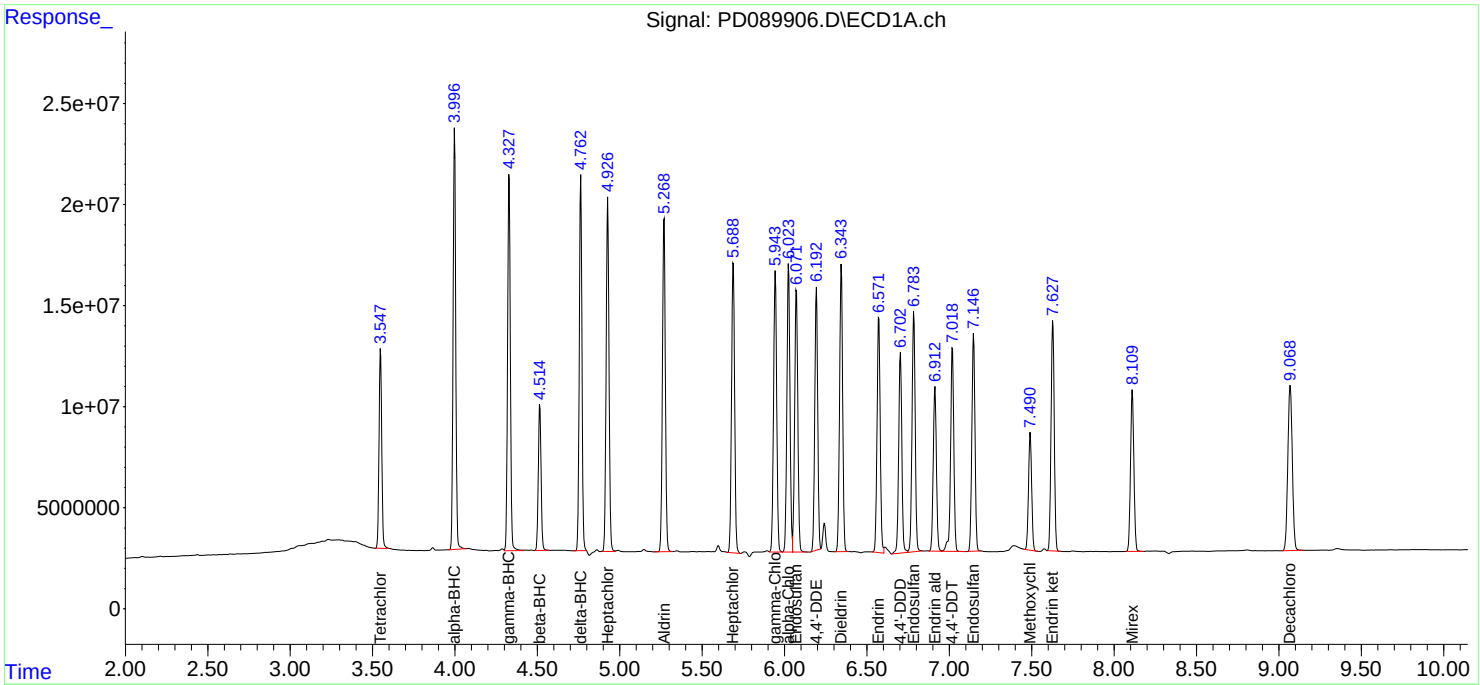
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

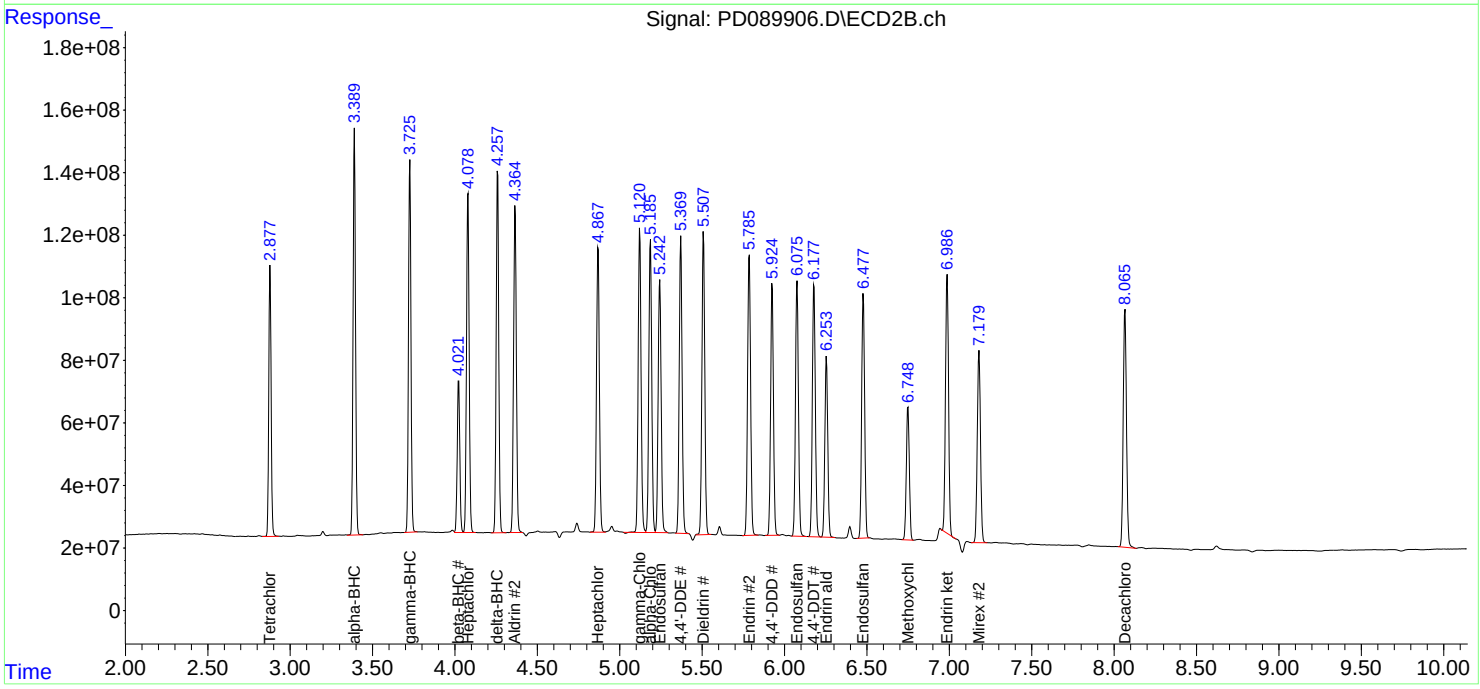
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 10:04
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

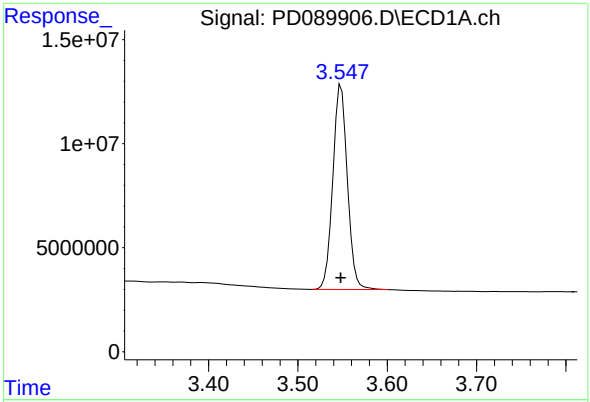
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:10 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



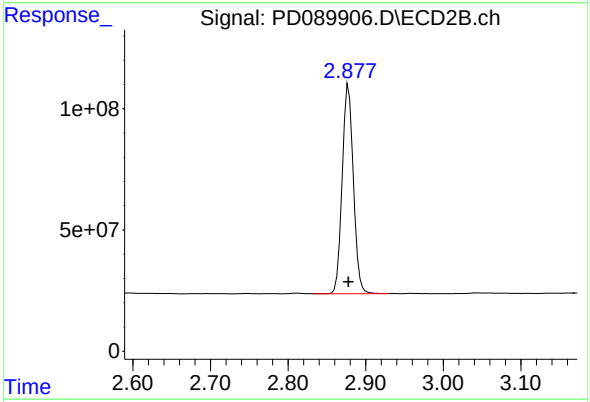




#1 Tetrachloro-m-xylene

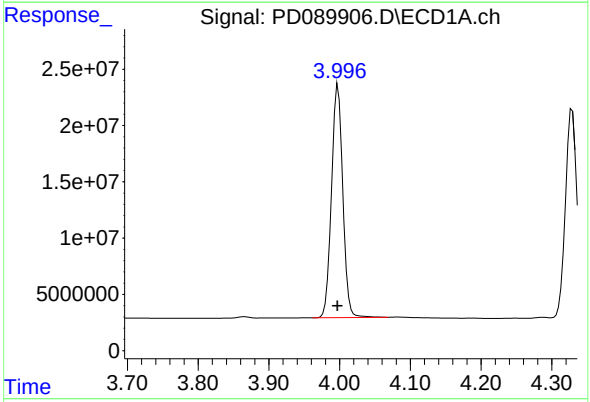
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 111267426
Conc: 45.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



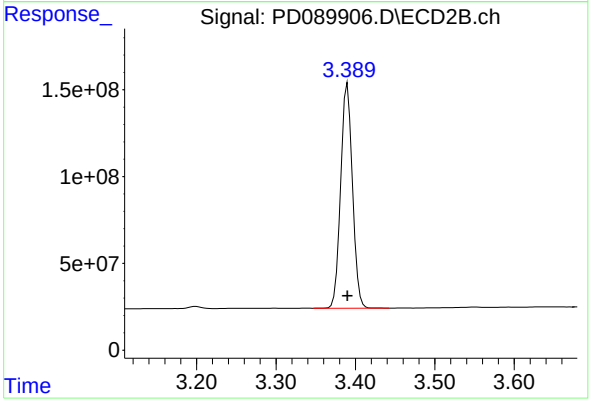
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 864812359
Conc: 54.60 ng/ml



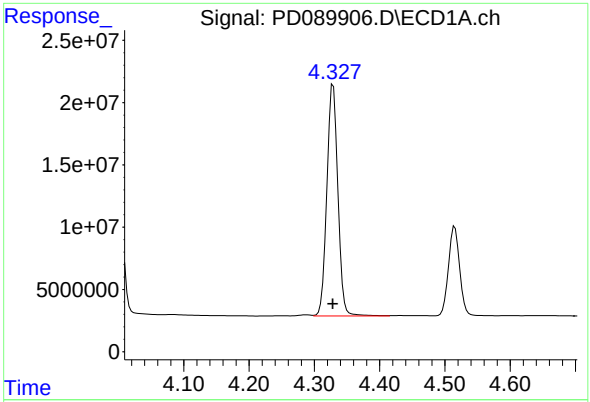
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 229270630
Conc: 46.28 ng/ml



#2 alpha-BHC

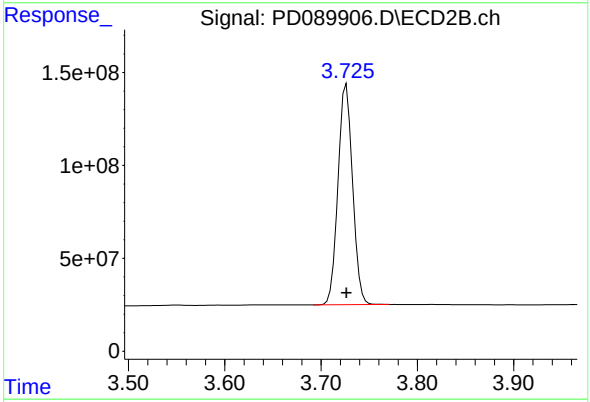
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1339466141
Conc: 55.11 ng/ml



#3 gamma-BHC (Lindane)

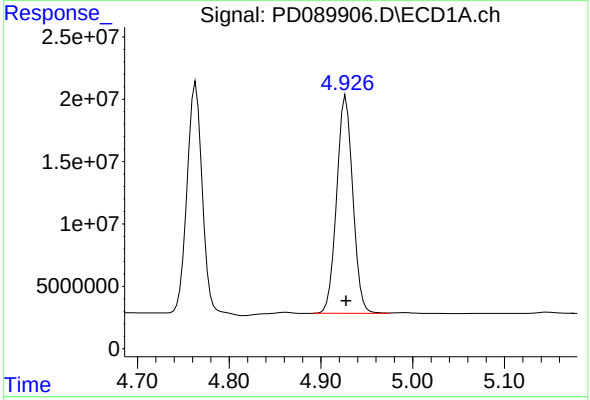
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 218565378
Conc: 45.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



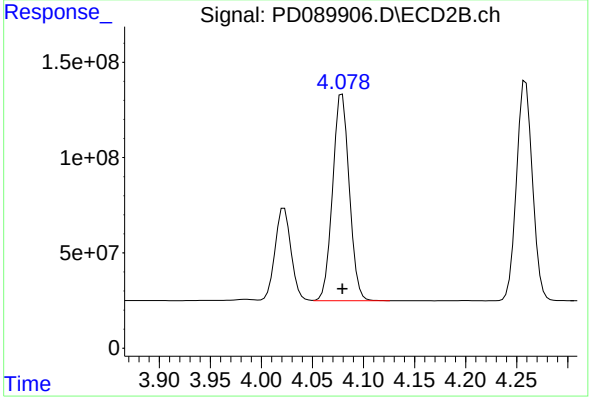
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1244901481
Conc: 55.27 ng/ml



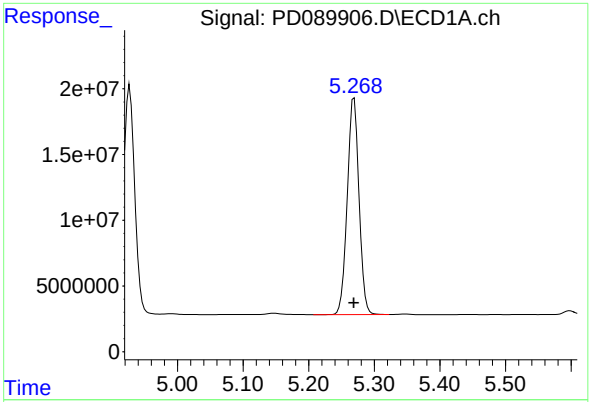
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 213287305
Conc: 44.33 ng/ml



#4 Heptachlor

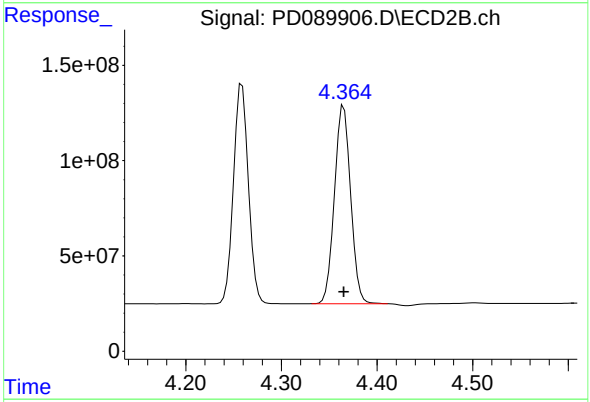
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1230796682
Conc: 53.03 ng/ml



#5 Aldrin

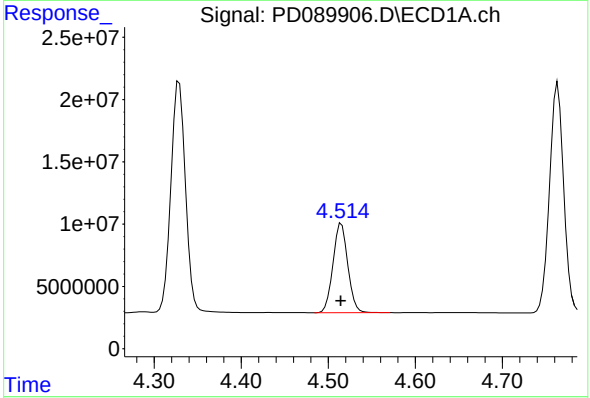
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 205256530
Conc: 44.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



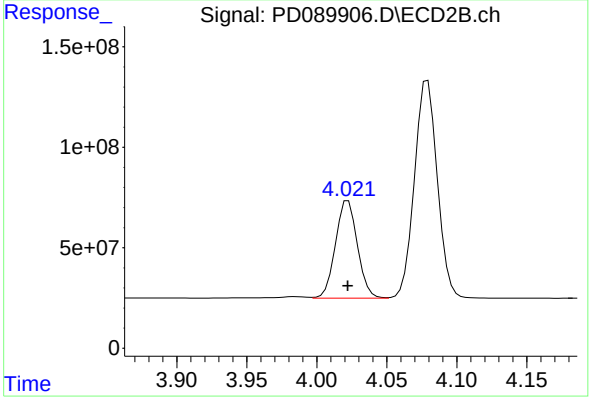
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1222385237
Conc: 54.94 ng/ml



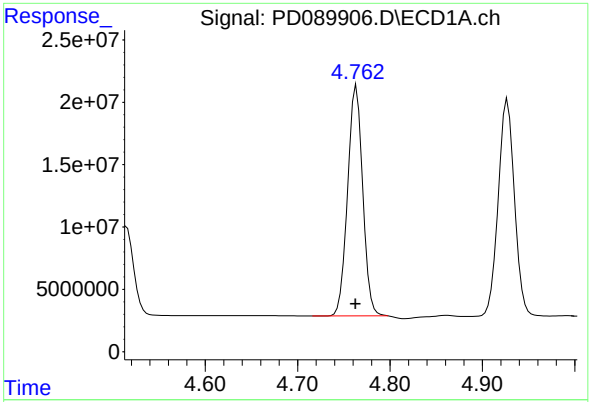
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 84983783
Conc: 46.07 ng/ml



#6 beta-BHC

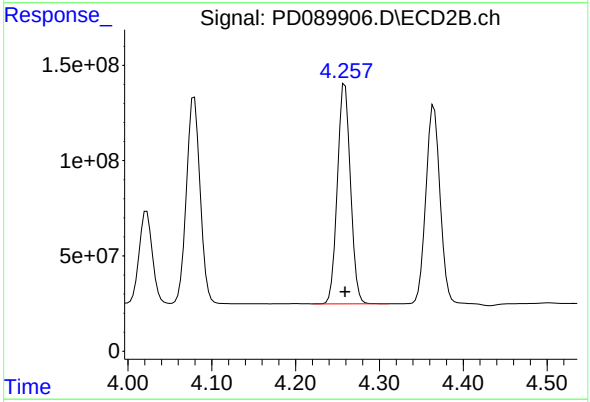
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 528996370
Conc: 54.82 ng/ml



#7 delta-BHC

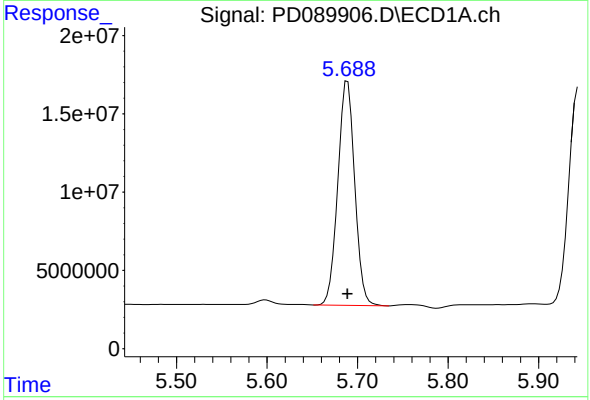
R.T.: 4.764 min
Delta R.T.: 0.001 min
Response: 209693591
Conc: 45.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



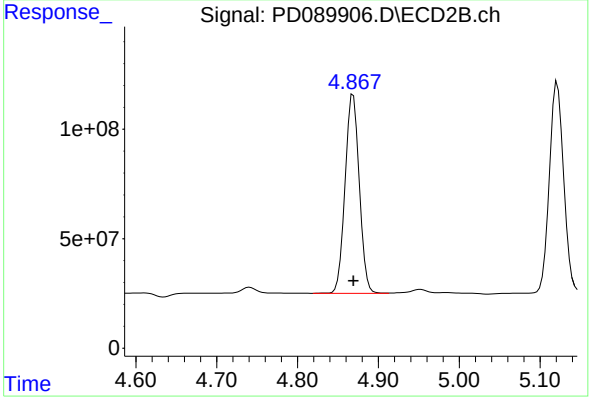
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1252682501
Conc: 55.15 ng/ml



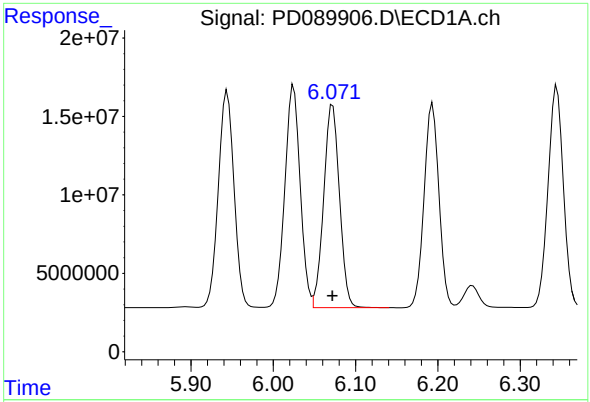
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 186020339
Conc: 44.49 ng/ml



#8 Heptachlor epoxide

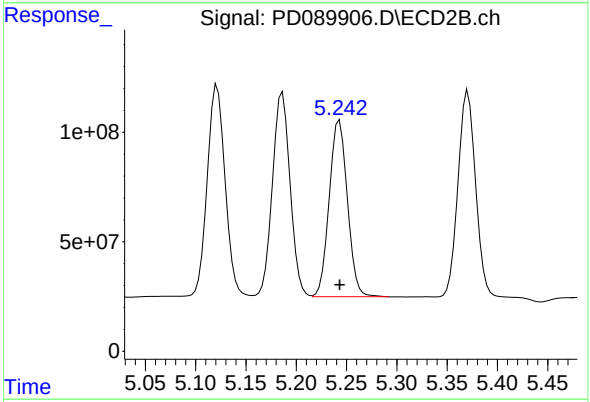
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1111715802
Conc: 54.10 ng/ml



#9 Endosulfan I

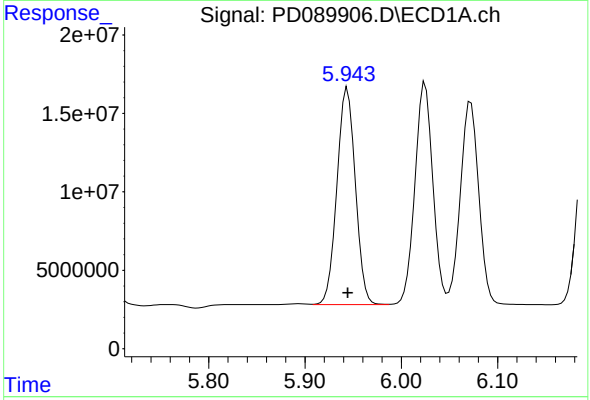
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 172688123
Conc: 43.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



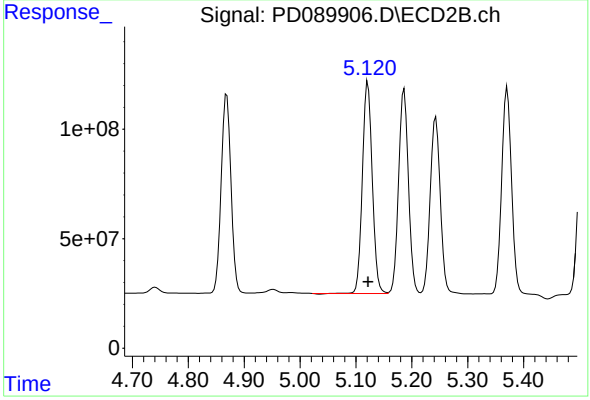
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1012517365
Conc: 51.80 ng/ml



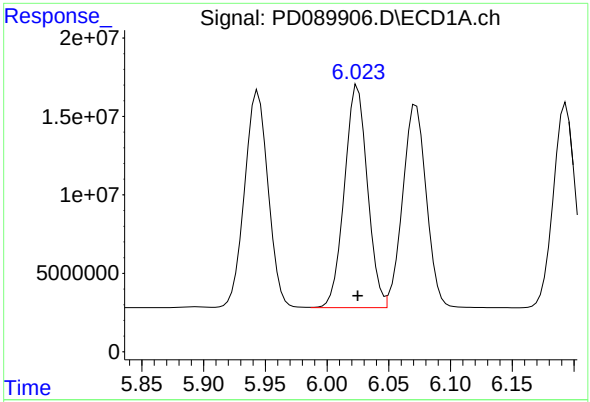
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 183374944
Conc: 43.88 ng/ml



#10 gamma-Chlordane

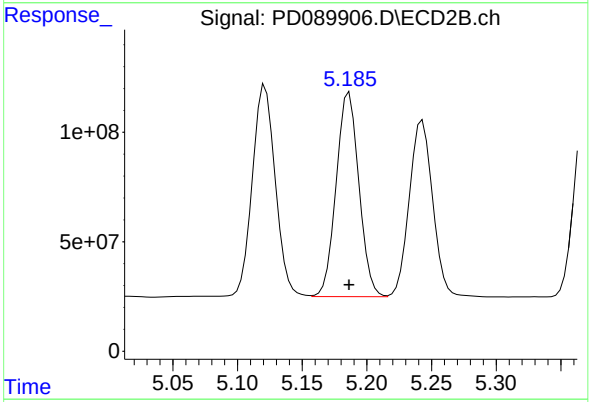
R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1192632837
Conc: 55.08 ng/ml



#11 alpha-Chlordane

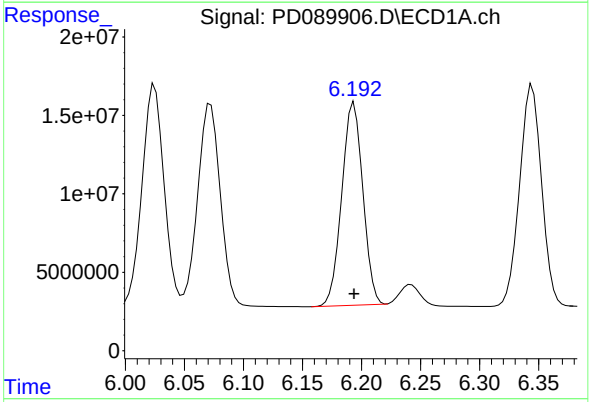
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 183866604
Conc: 43.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



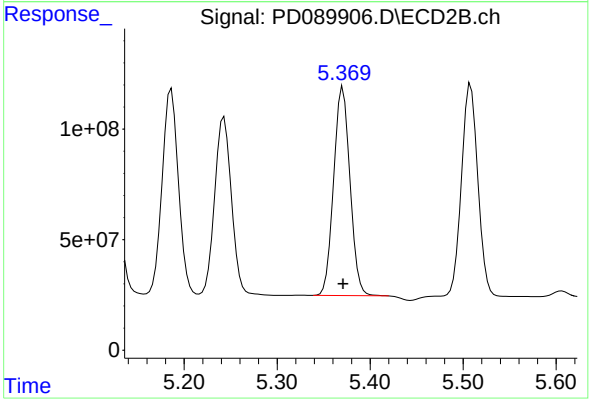
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1140056802
Conc: 54.75 ng/ml



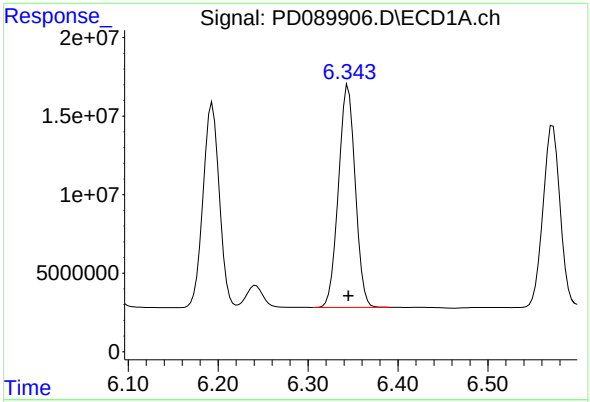
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 160594008
Conc: 43.06 ng/ml



#12 4,4'-DDE

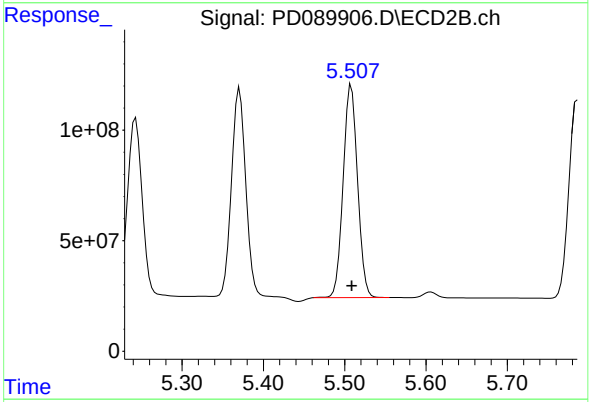
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1153479017
Conc: 54.57 ng/ml



#13 Dieldrin

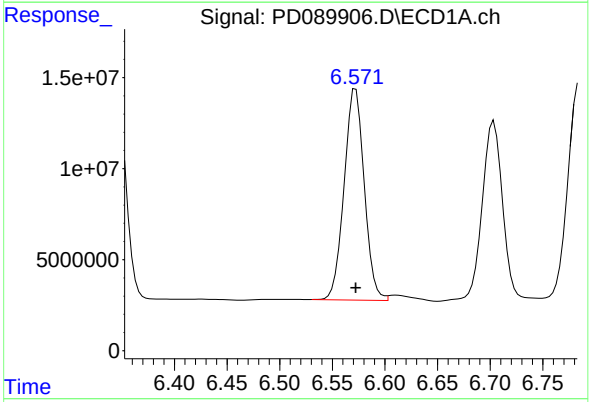
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 183041153
Conc: 43.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



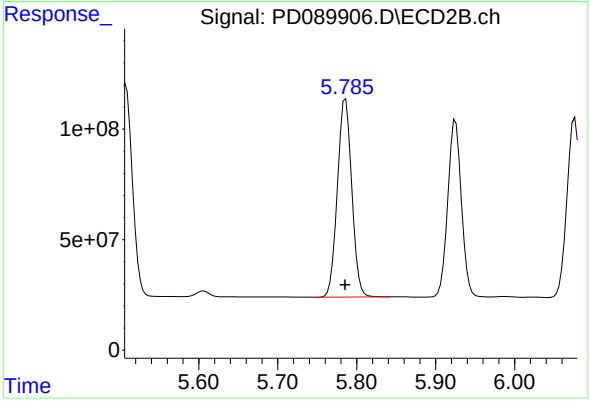
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1181039937
Conc: 54.58 ng/ml



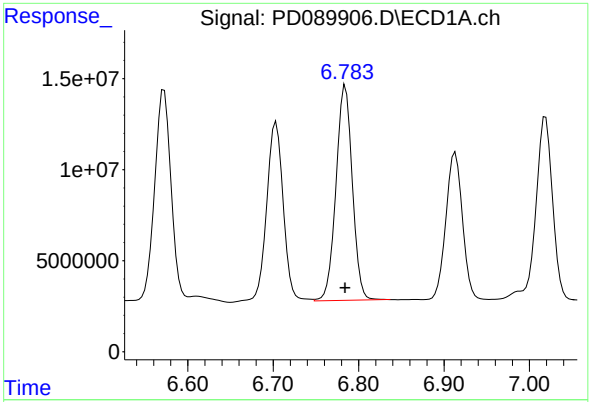
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 155006709
Conc: 43.33 ng/ml



#14 Endrin

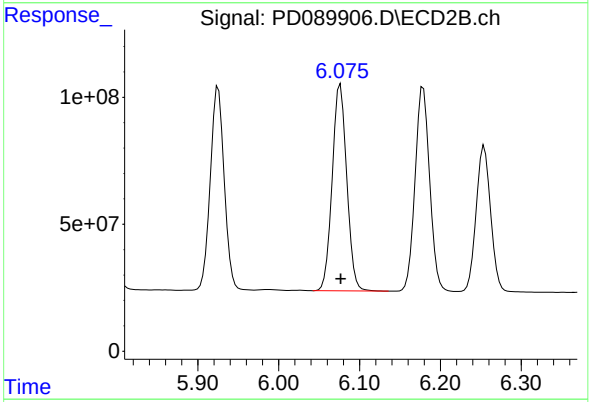
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 1133496152
Conc: 56.89 ng/ml



#15 Endosulfan II

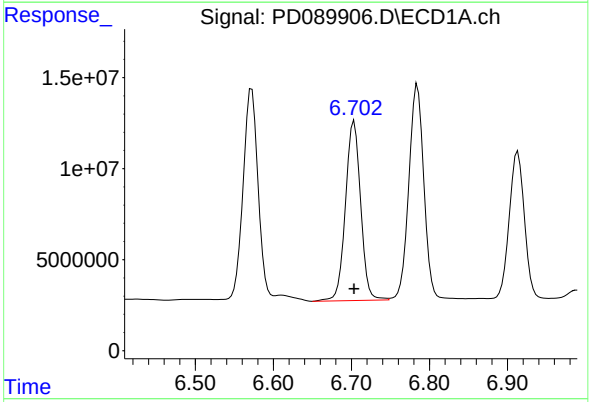
R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 157131048
Conc: 42.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



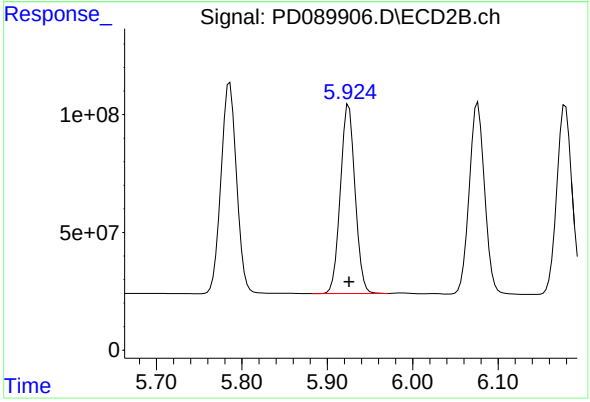
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1017282326
Conc: 54.11 ng/ml



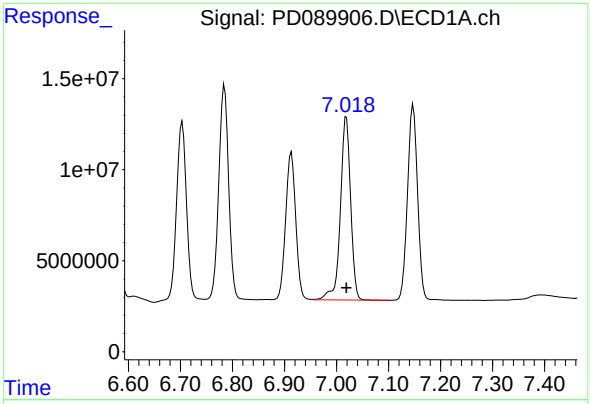
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 133177246
Conc: 44.47 ng/ml



#16 4,4'-DDD

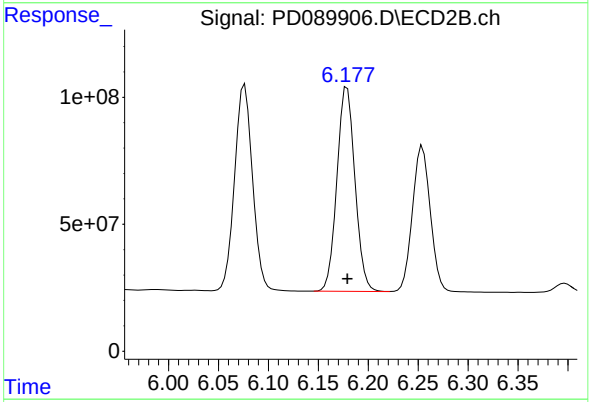
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 960539024
Conc: 54.48 ng/ml



#17 4,4'-DDT

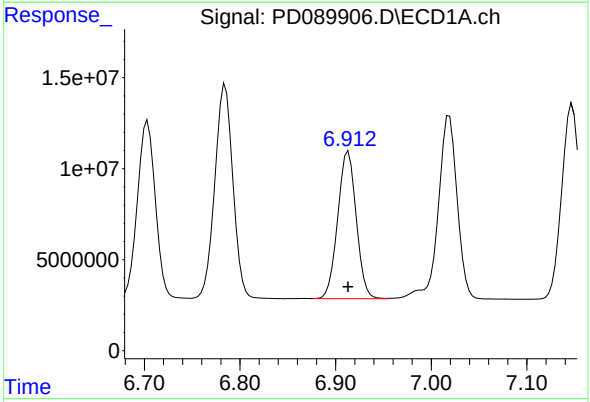
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 138408363
Conc: 41.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



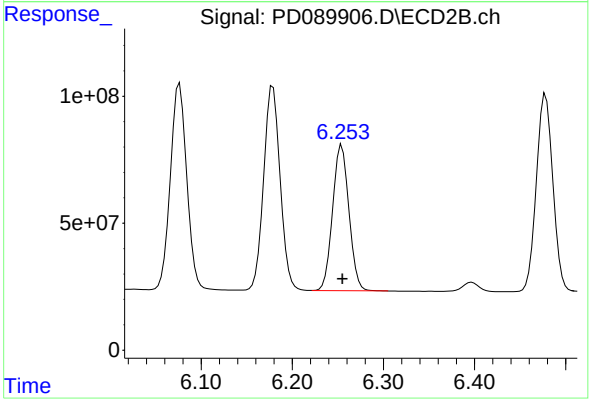
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1011496352
Conc: 55.05 ng/ml



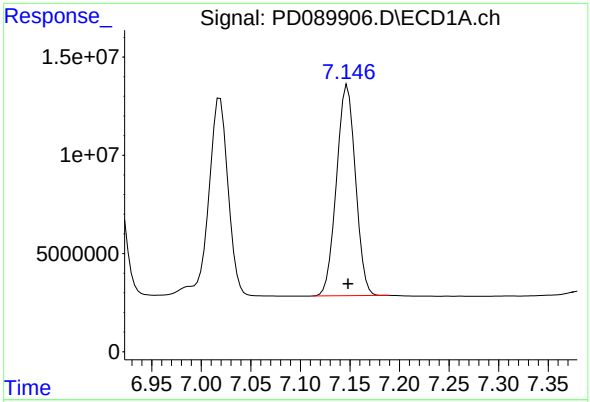
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 109250546
Conc: 43.78 ng/ml



#18 Endrin aldehyde

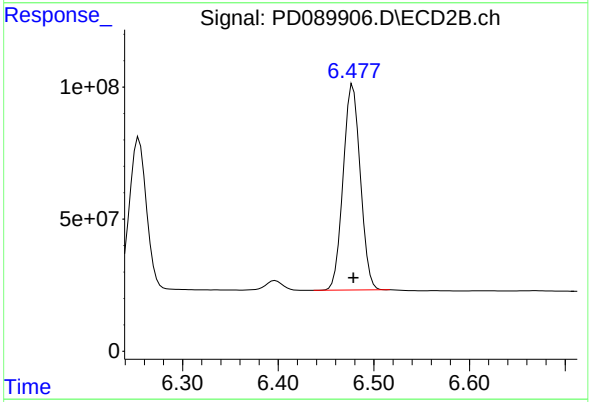
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 714303916
Conc: 55.28 ng/ml



#19 Endosulfan Sulfate

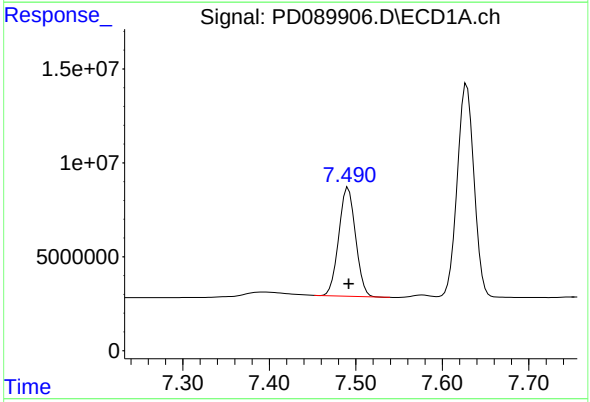
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 143062736
Conc: 41.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



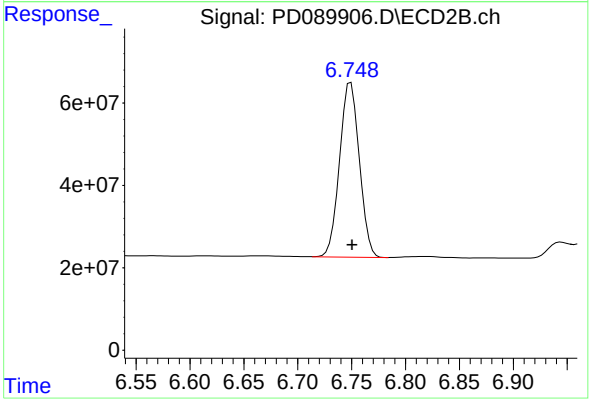
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 976474279
Conc: 52.60 ng/ml



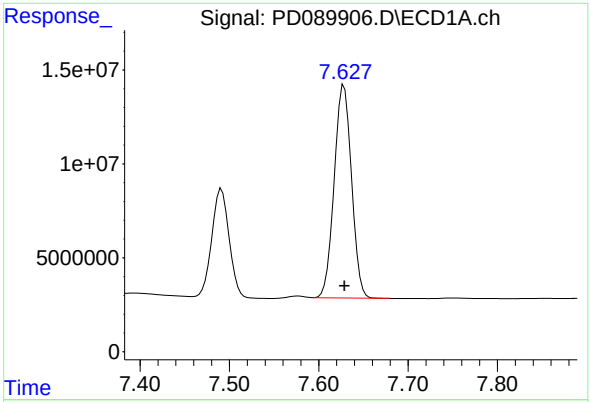
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 77448439
Conc: 43.32 ng/ml



#20 Methoxychlor

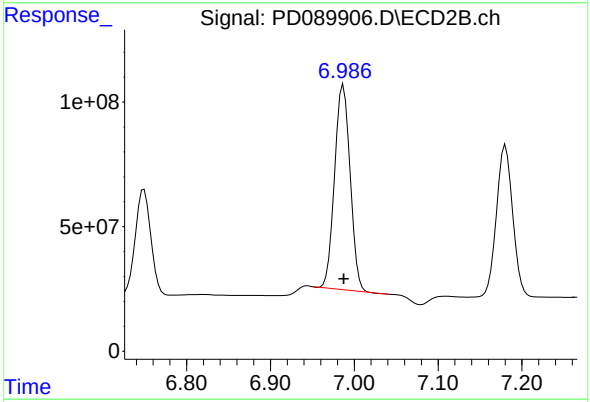
R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 542607324
Conc: 55.39 ng/ml



#21 Endrin ketone

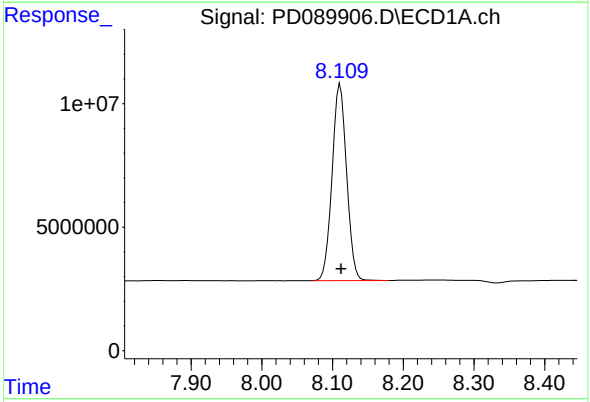
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 152749645
Conc: 41.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



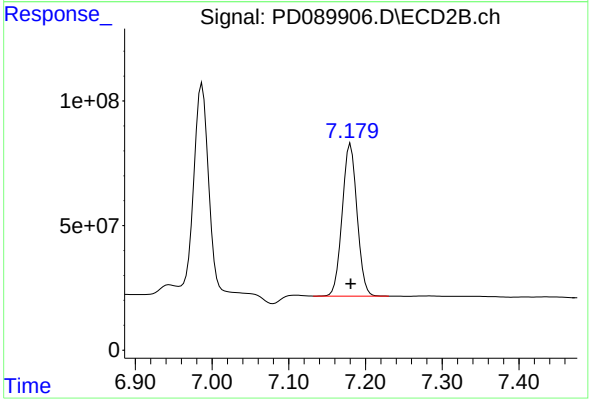
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1055696284
Conc: 52.61 ng/ml



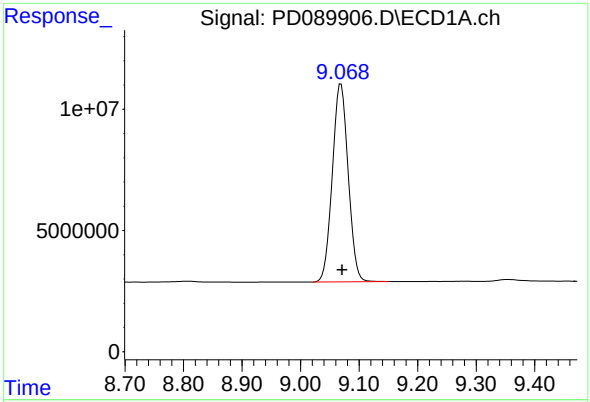
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 113481622
Conc: 40.70 ng/ml



#22 Mirex

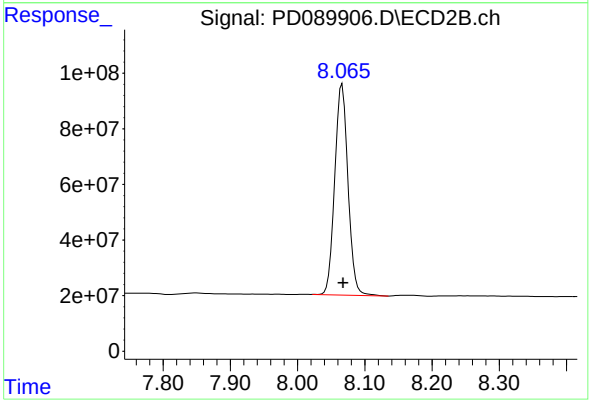
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 826375026
Conc: 54.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 153518316
Conc: 41.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 1036378478
Conc: 51.62 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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/15/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 13:53 **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	0.00
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	6.35	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	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Continuing Calib Date: 08/15/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 13:53 **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	4.37	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	0.00
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	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL06 **Date Analyzed:** 08/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089914.D **Time Analyzed:** 13:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.703	6.604	6.804	44.950	50.000	-10.1
4,4'-DDE	6.194	6.094	6.294	42.910	50.000	-14.2
4,4'-DDT	7.019	6.919	7.119	40.730	50.000	-18.5
Aldrin	5.269	5.169	5.369	45.080	50.000	-9.8
alpha-BHC	3.998	3.897	4.097	46.280	50.000	-7.4
alpha-Chlordane	6.024	5.925	6.125	43.720	50.000	-12.6
beta-BHC	4.515	4.414	4.614	45.840	50.000	-8.3
Decachlorobiphenyl	9.069	8.971	9.171	41.490	50.000	-17.0
delta-BHC	4.763	4.663	4.863	45.500	50.000	-9.0
Dieldrin	6.345	6.245	6.445	43.280	50.000	-13.4
Endosulfan I	6.072	5.972	6.172	43.490	50.000	-13.0
Endosulfan II	6.784	6.684	6.884	42.690	50.000	-14.6
Endosulfan sulfate	7.148	7.048	7.248	41.310	50.000	-17.4
Endrin	6.572	6.472	6.672	42.180	50.000	-15.6
Endrin aldehyde	6.913	6.813	7.013	44.280	50.000	-11.4
Endrin ketone	7.628	7.529	7.729	41.550	50.000	-16.9
gamma-BHC (Lindane)	4.329	4.228	4.428	46.180	50.000	-7.6
gamma-Chlordane	5.944	5.844	6.044	43.910	50.000	-12.2
Heptachlor	4.927	4.827	5.027	43.520	50.000	-13.0
Heptachlor epoxide	5.689	5.589	5.789	44.170	50.000	-11.7
Methoxychlor	7.491	7.392	7.592	41.550	50.000	-16.9
Tetrachloro-m-xylene	3.549	3.448	3.648	45.100	50.000	-9.8

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL06 **Date Analyzed:** 08/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089914.D **Time Analyzed:** 13:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.825	6.025	53.790	50.000	7.6
4,4'-DDE	5.371	5.271	5.471	54.070	50.000	8.1
4,4'-DDT	6.179	6.079	6.279	52.570	50.000	5.1
Aldrin	4.365	4.265	4.465	54.770	50.000	9.5
alpha-BHC	3.389	3.290	3.490	54.930	50.000	9.9
alpha-Chlordane	5.186	5.086	5.286	54.300	50.000	8.6
beta-BHC	4.023	3.922	4.122	54.380	50.000	8.8
Decachlorobiphenyl	8.067	7.968	8.168	48.370	50.000	-3.3
delta-BHC	4.259	4.159	4.359	54.940	50.000	9.9
Dieldrin	5.509	5.409	5.609	54.180	50.000	8.4
Endosulfan I	5.243	5.143	5.343	50.550	50.000	1.1
Endosulfan II	6.077	5.977	6.177	52.970	50.000	5.9
Endosulfan sulfate	6.479	6.378	6.578	51.350	50.000	2.7
Endrin	5.786	5.685	5.885	57.310	50.000	14.6
Endrin aldehyde	6.255	6.155	6.355	54.700	50.000	9.4
Endrin ketone	6.987	6.888	7.088	51.160	50.000	2.3
gamma-BHC (Lindane)	3.727	3.626	3.826	54.950	50.000	9.9
gamma-Chlordane	5.122	5.022	5.222	54.700	50.000	9.4
Heptachlor	4.080	3.979	4.179	52.420	50.000	4.8
Heptachlor epoxide	4.869	4.769	4.969	53.730	50.000	7.5
Methoxychlor	6.750	6.650	6.850	52.950	50.000	5.9
Tetrachloro-m-xylene	2.879	2.778	2.978	54.350	50.000	8.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:29 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...	3.549	2.879	111.2E6	860.9E6	45.097	54.354	
28)	SA Decachlor...	9.069	8.067	154.2E6	971.2E6	41.490	48.373	
	Target Compounds							
2)	A alpha-BHC	3.998	3.389	229.2E6	1335.0E6	46.276	54.929m	
3)	MA gamma-BHC...	4.329	3.727	219.4E6	1237.6E6	46.176	54.947	
4)	MA Heptachlor	4.927	4.080	209.4E6	1216.5E6	43.522	52.416	
5)	MB Aldrin	5.269	4.365	205.8E6	1218.6E6	45.082	54.766	
6)	B beta-BHC	4.515	4.023	84564517	524.7E6	45.842	54.380	
7)	B delta-BHC	4.763	4.259	208.7E6	1248.0E6	45.497	54.940	
8)	B Heptachlo...	5.689	4.869	184.7E6	1104.1E6	44.170	53.726	
9)	A Endosulfan I	6.072	5.243	172.4E6	988.2E6	43.491	50.551	
10)	B gamma-Chl...	5.944	5.122	183.5E6	1184.5E6	43.910	54.703	
11)	B alpha-Chl...	6.024	5.186	183.8E6	1130.7E6	43.721	54.301	
12)	B 4,4'-DDE	6.194	5.371	160.1E6	1142.9E6	42.914	54.073	#
13)	MA Dieldrin	6.345	5.509	182.8E6	1172.5E6	43.281	54.185	#
14)	MA Endrin	6.572	5.786	150.9E6	1141.9E6	42.178	57.311	#
15)	B Endosulfa...	6.784	6.077	156.6E6	995.8E6	42.688	52.968	
16)	A 4,4'-DDD	6.703	5.925	134.6E6	948.5E6	44.953	53.793	
17)	MA 4,4'-DDT	7.019	6.179	136.9E6	965.9E6	40.727	52.571	#
18)	B Endrin al...	6.913	6.255	110.5E6	706.7E6	44.281	54.699	
19)	B Endosulfa...	7.148	6.479	143.4E6	953.3E6	41.313	51.347	
20)	A Methoxychlor	7.491	6.750	74289117	518.6E6	41.549	52.947	#
21)	B Endrin ke...	7.628	6.987	154.3E6	1026.7E6	41.546	51.161	
22)	Mirex	8.111	7.181	113.9E6	785.7E6	40.854	51.617	#

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

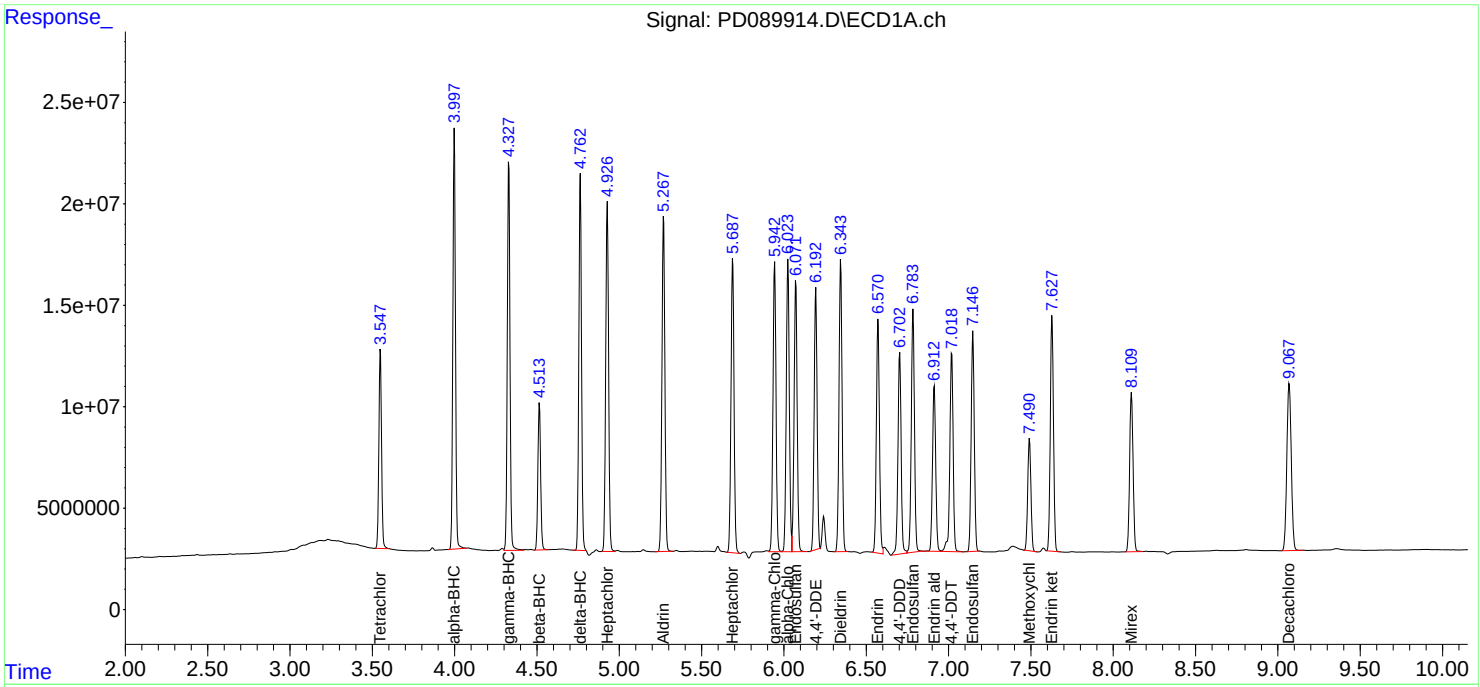
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

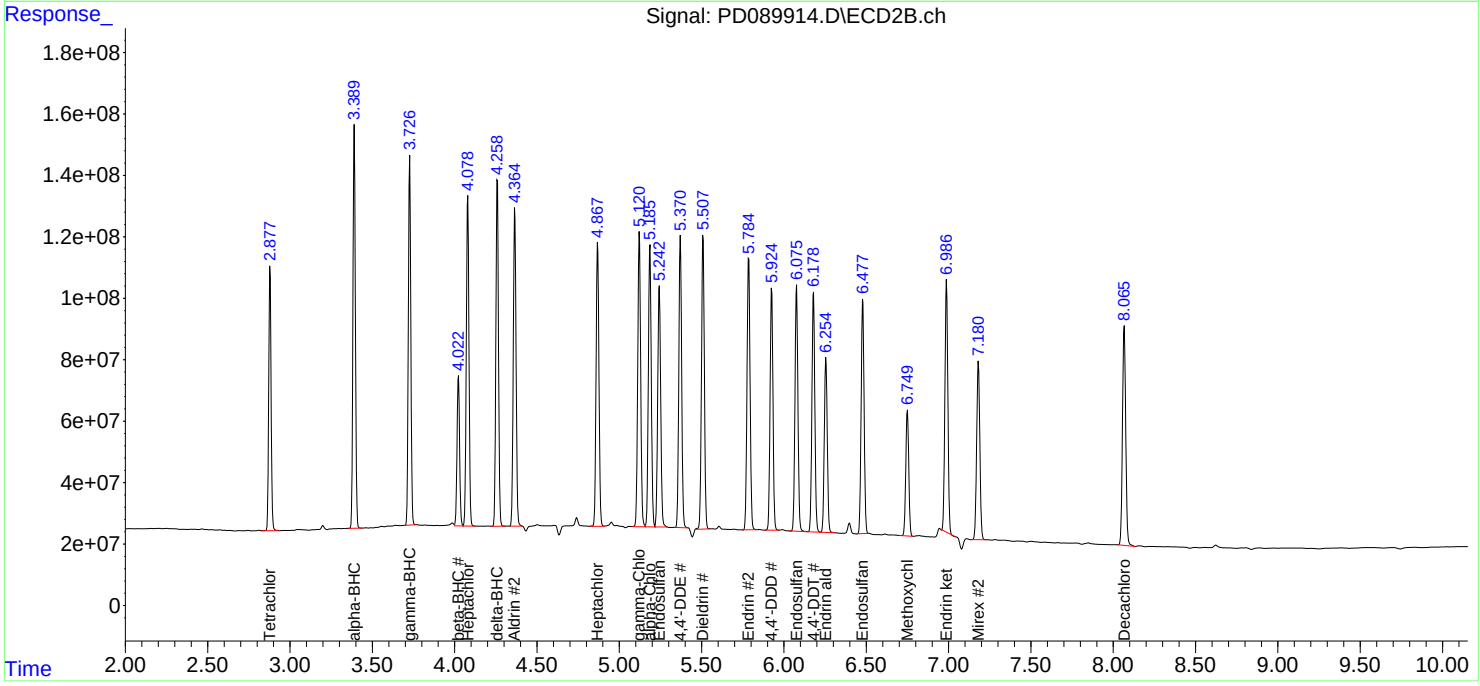
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

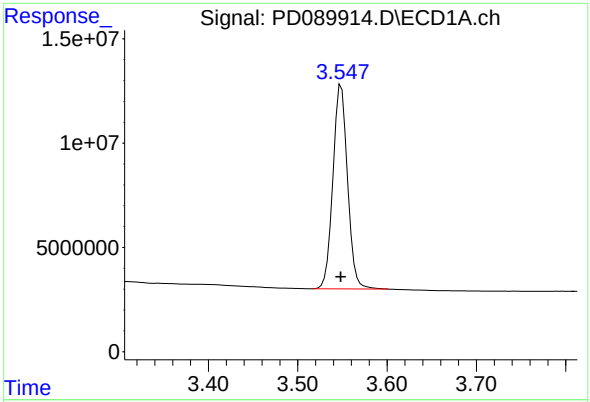
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response 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







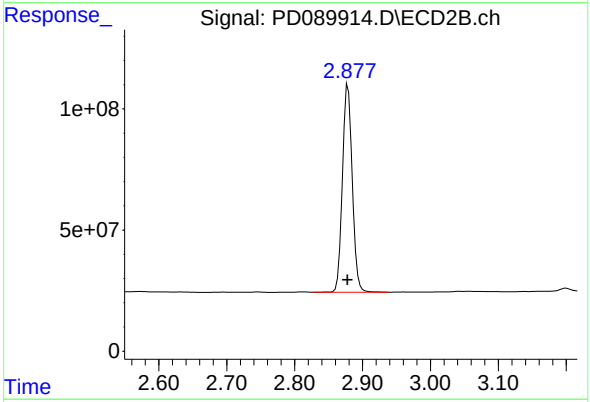
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 111235214
Conc: 45.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

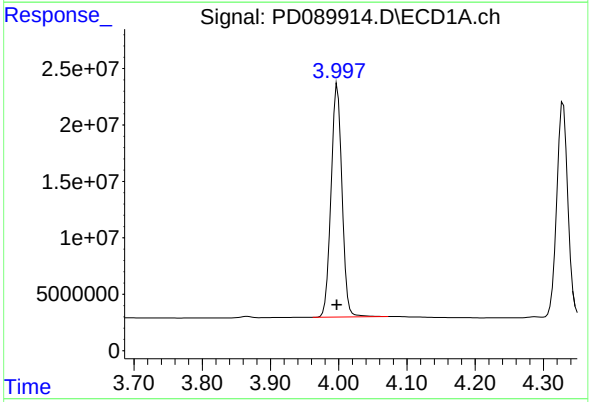
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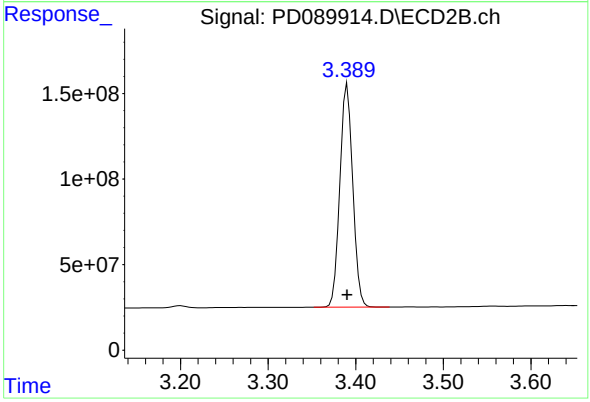
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.001 min
Response: 860850100
Conc: 54.35 ng/ml



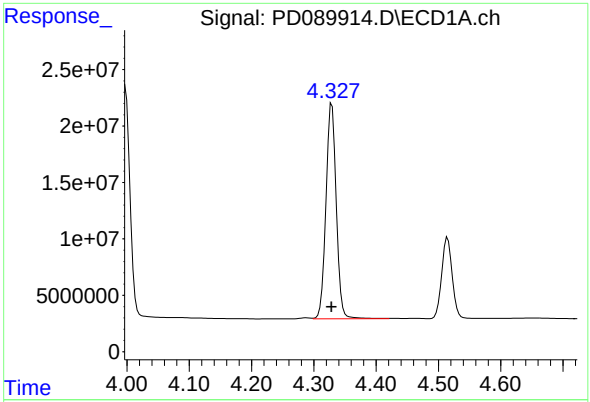
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 229229213
Conc: 46.28 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1335035057
Conc: 54.93 ng/ml m



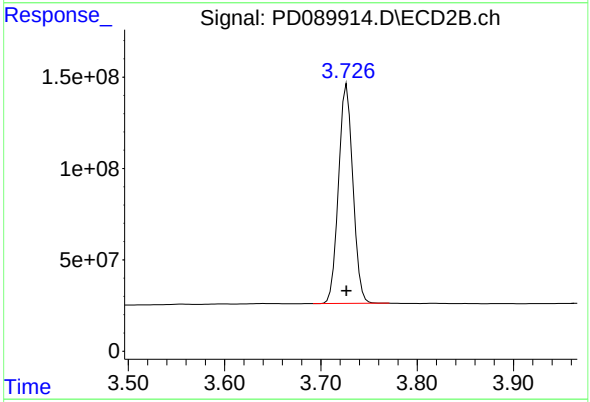
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 219444135
Conc: 46.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

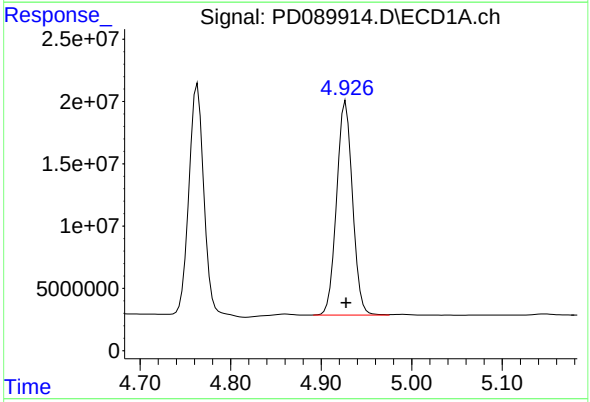
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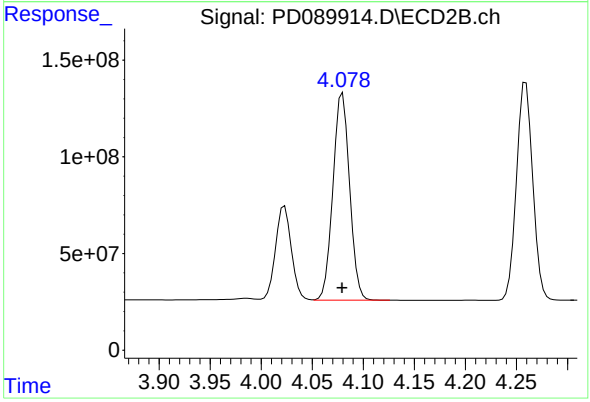
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1237628900
Conc: 54.95 ng/ml



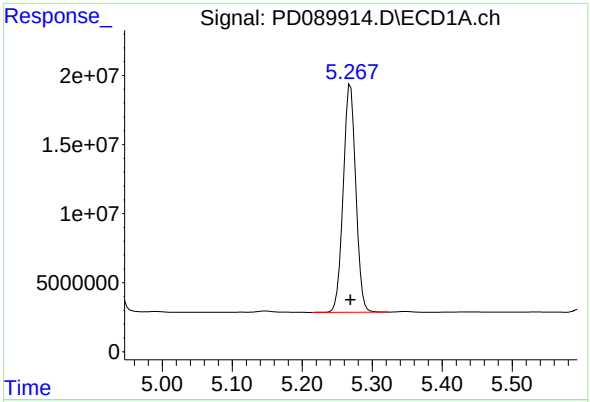
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 209404804
Conc: 43.52 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1216530793
Conc: 52.42 ng/ml



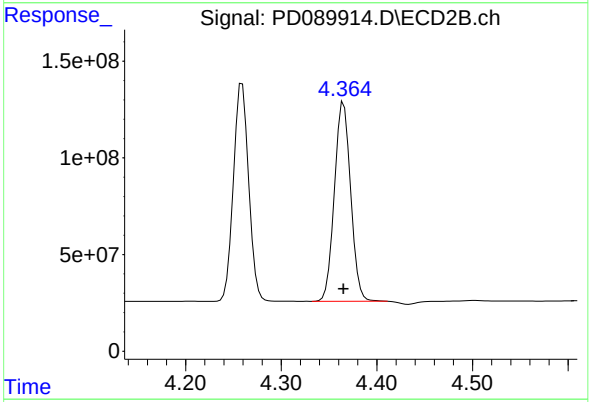
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 205794565
Conc: 45.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

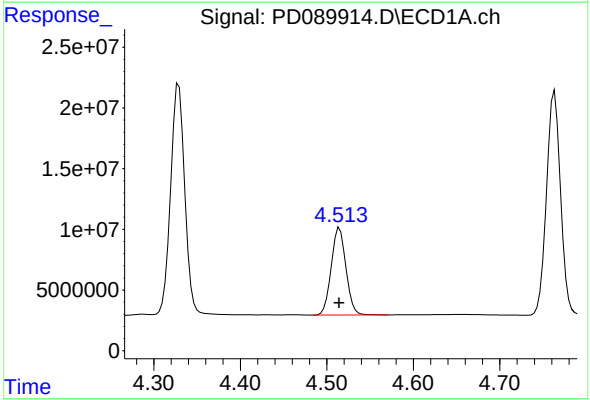
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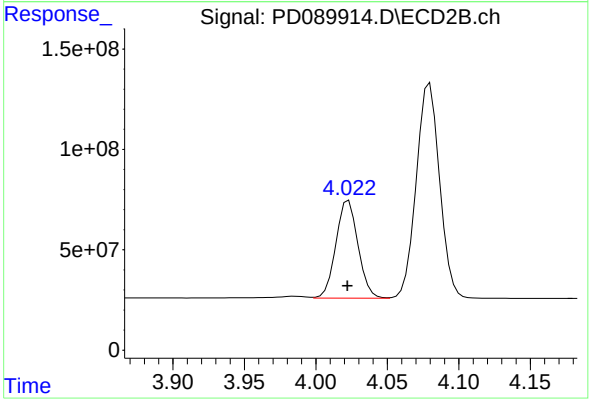
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1218586396
Conc: 54.77 ng/ml



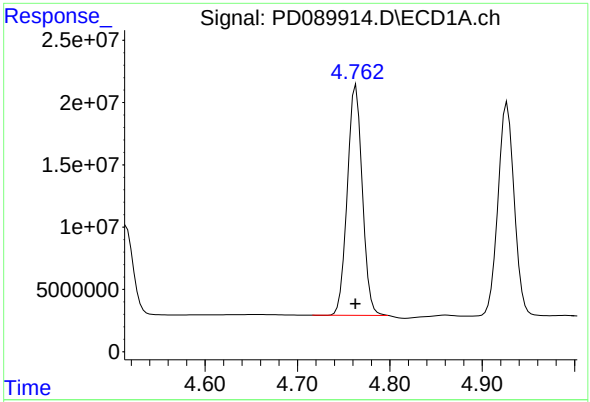
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 84564517
Conc: 45.84 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 524709954
Conc: 54.38 ng/ml



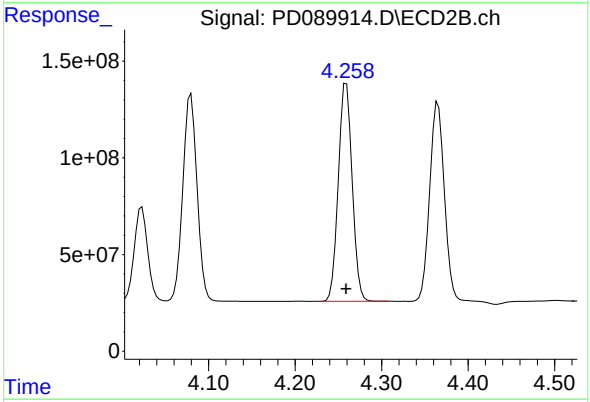
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 208660284
Conc: 45.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

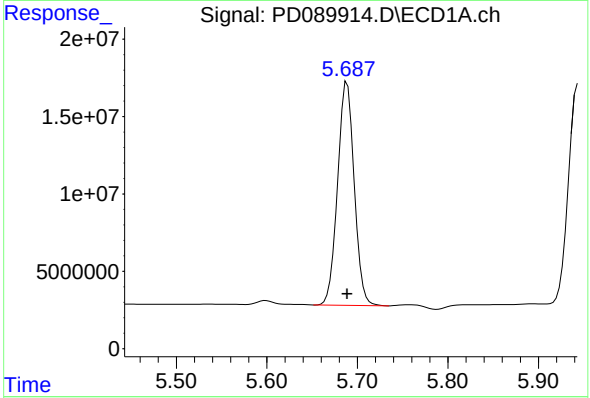
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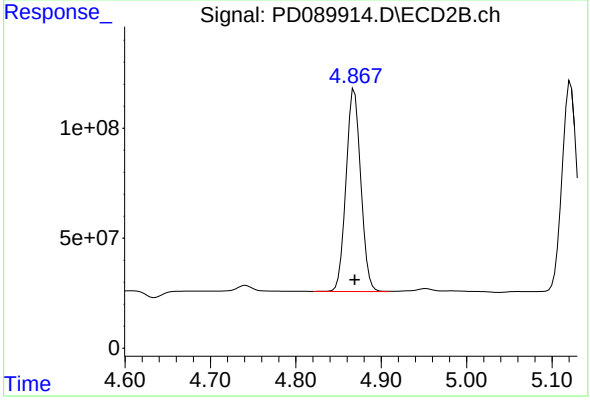
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1247976524
Conc: 54.94 ng/ml



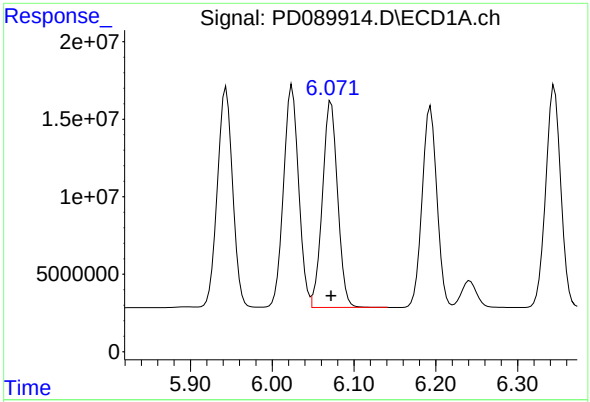
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 184661821
Conc: 44.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1104057808
Conc: 53.73 ng/ml



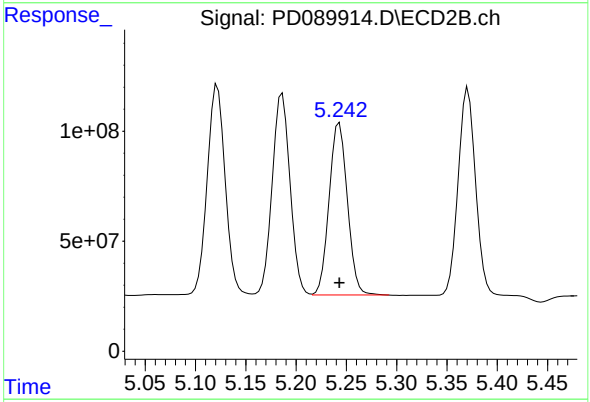
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 172380331
Conc: 43.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

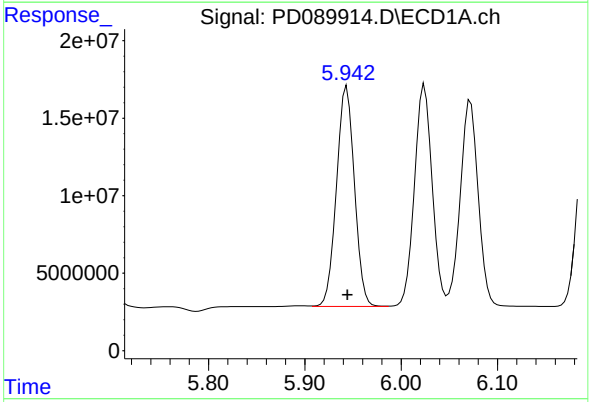
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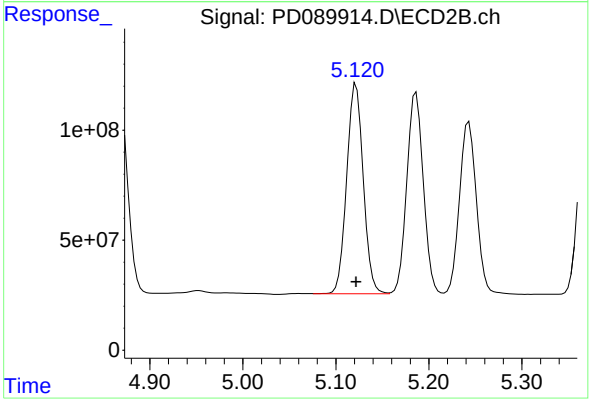
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 988179343
Conc: 50.55 ng/ml



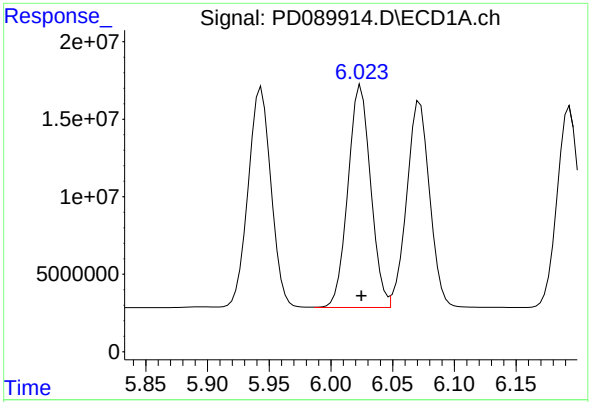
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 183502123
Conc: 43.91 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1184500343
Conc: 54.70 ng/ml



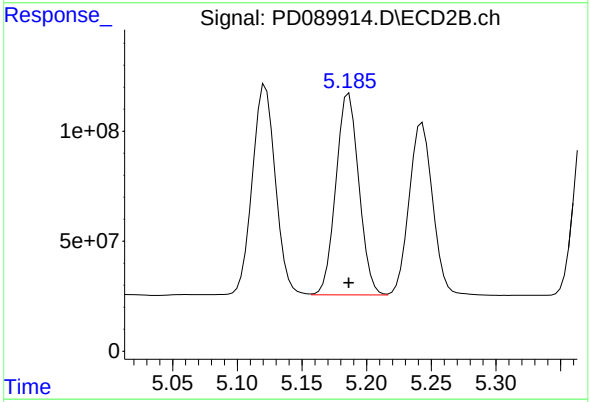
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 183811028
Conc: 43.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

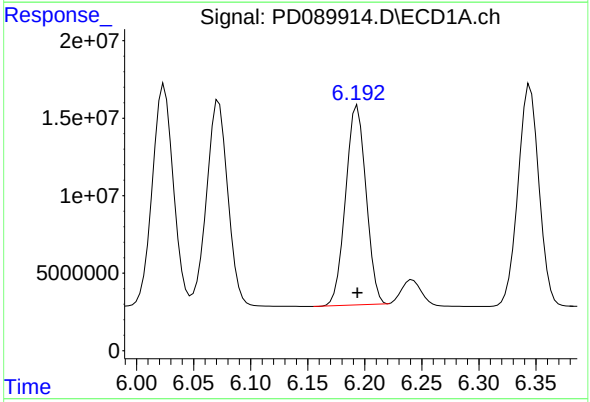
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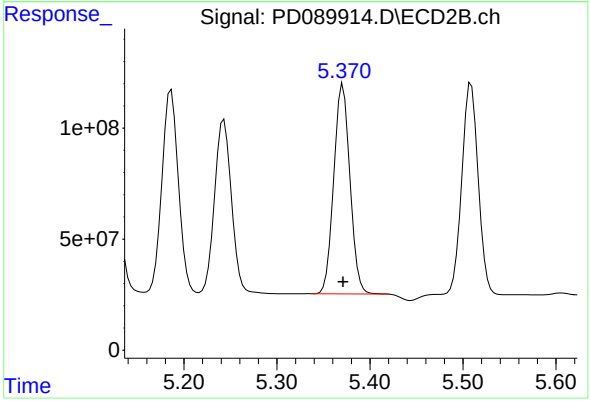
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1130650059
Conc: 54.30 ng/ml



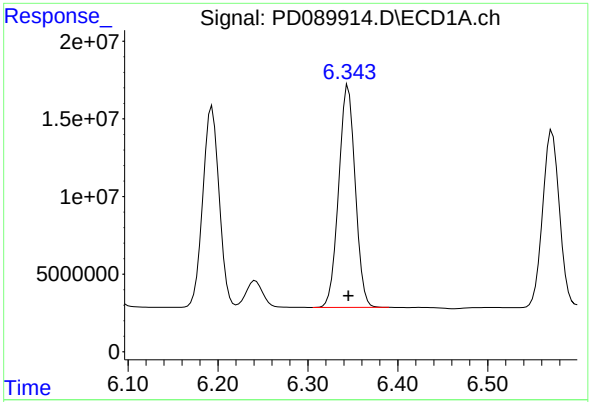
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 160058918
Conc: 42.91 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1142937257
Conc: 54.07 ng/ml



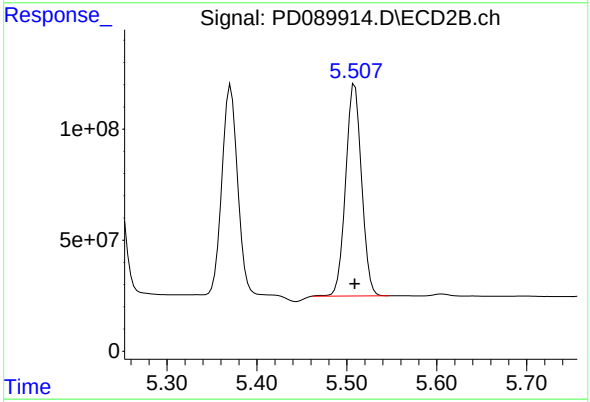
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 182795259
Conc: 43.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

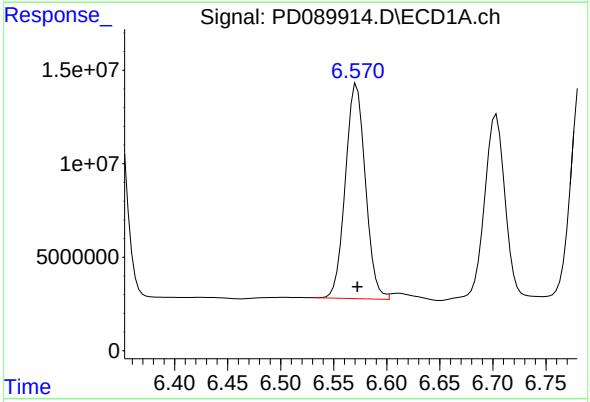
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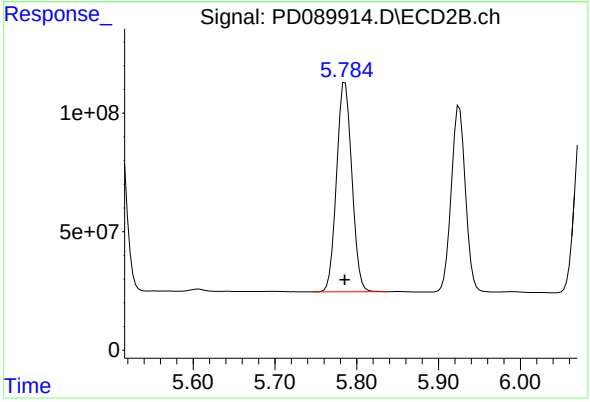
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1172498797
Conc: 54.18 ng/ml



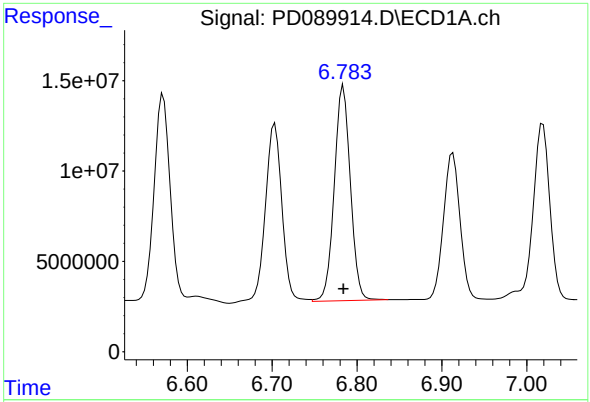
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 150900284
Conc: 42.18 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 1141938566
Conc: 57.31 ng/ml



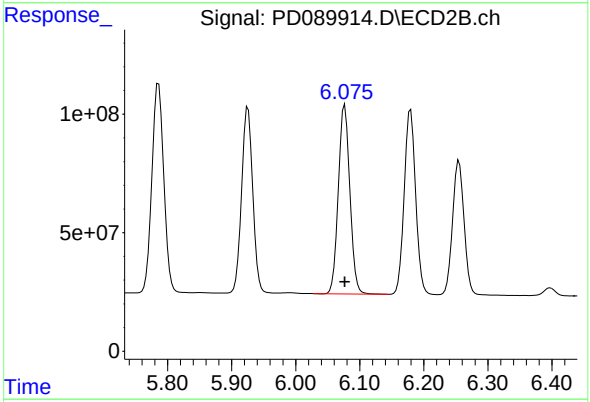
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 156640458
Conc: 42.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

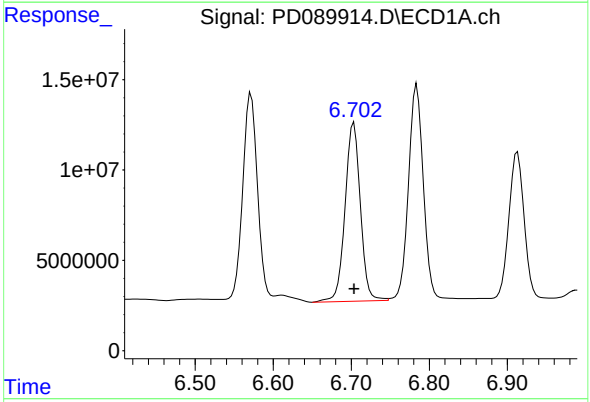
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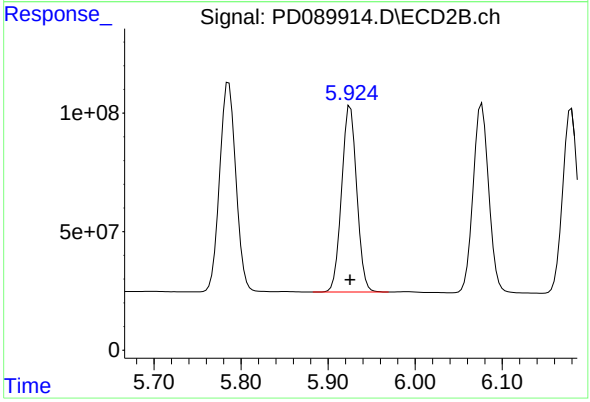
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 995772780
Conc: 52.97 ng/ml



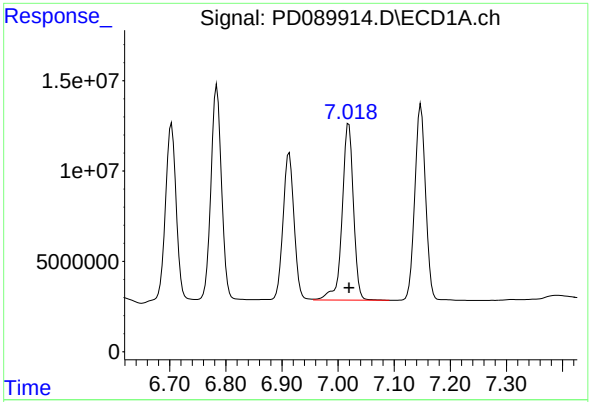
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 134625069
Conc: 44.95 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 948513832
Conc: 53.79 ng/ml



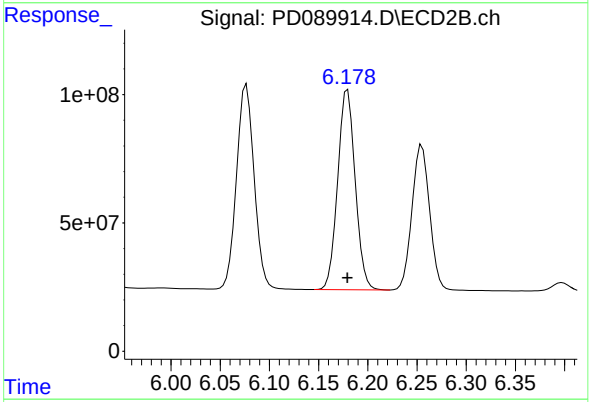
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 136851922
Conc: 40.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

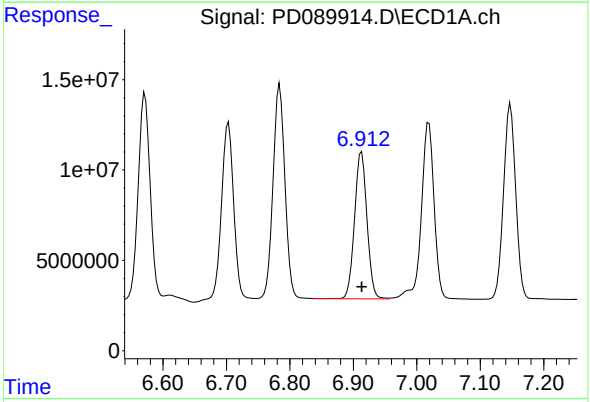
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Supervised By :mohammad ahmed 08/19/2025



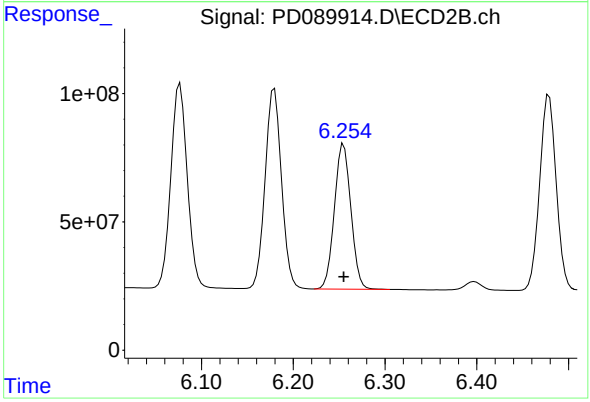
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 965866178
Conc: 52.57 ng/ml



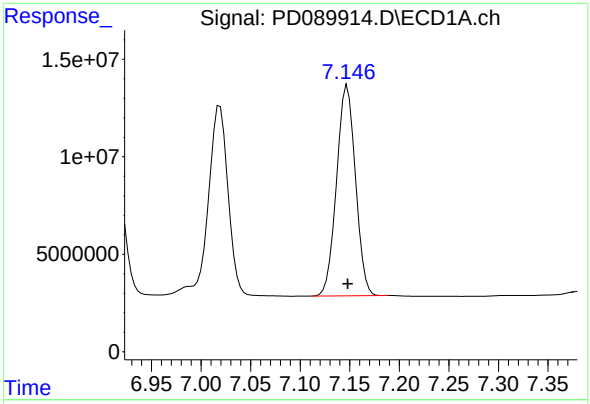
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 110506439
Conc: 44.28 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 706738981
Conc: 54.70 ng/ml



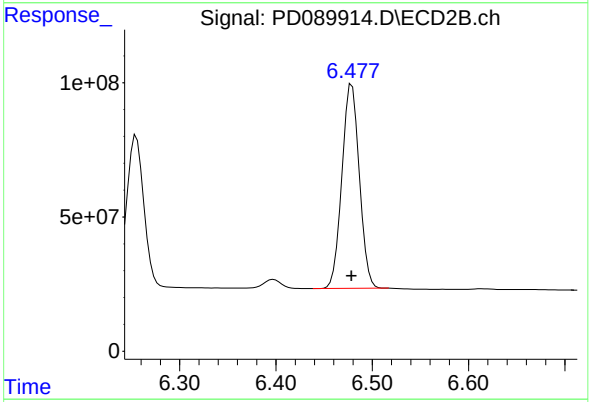
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 143360020
Conc: 41.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

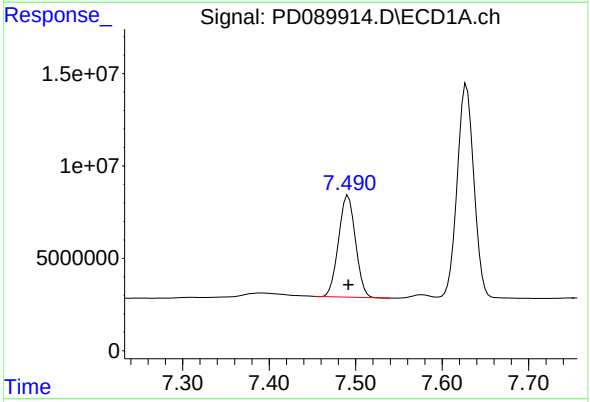
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



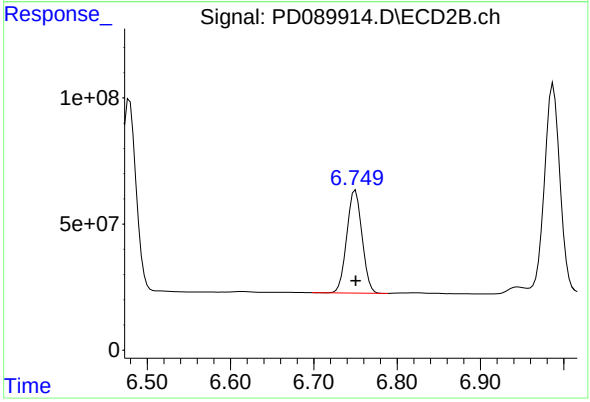
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 953289285
Conc: 51.35 ng/ml



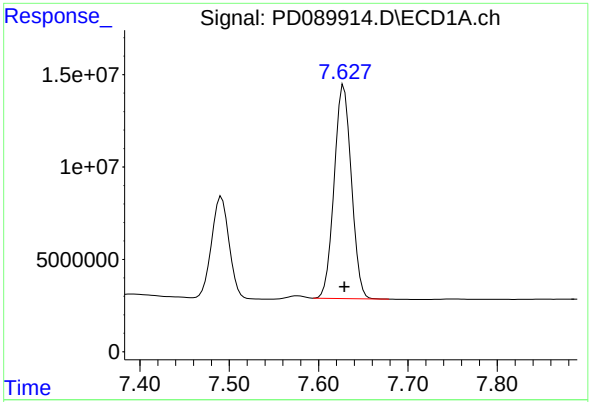
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 74289117
Conc: 41.55 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 518643411
Conc: 52.95 ng/ml



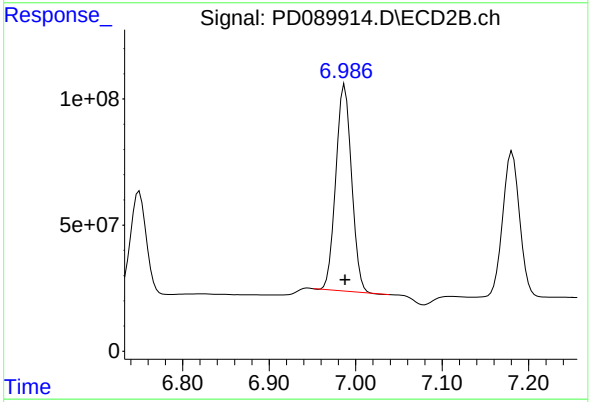
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 154307104
Conc: 41.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

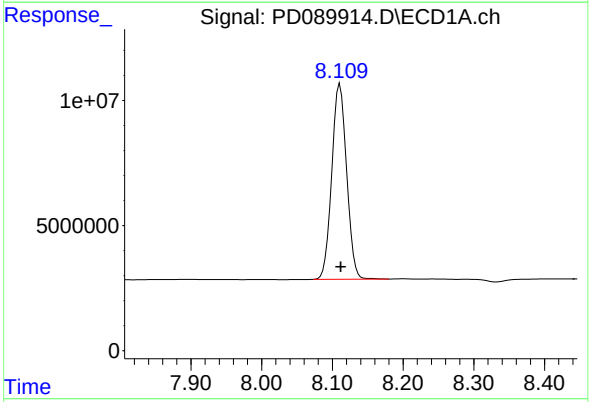
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



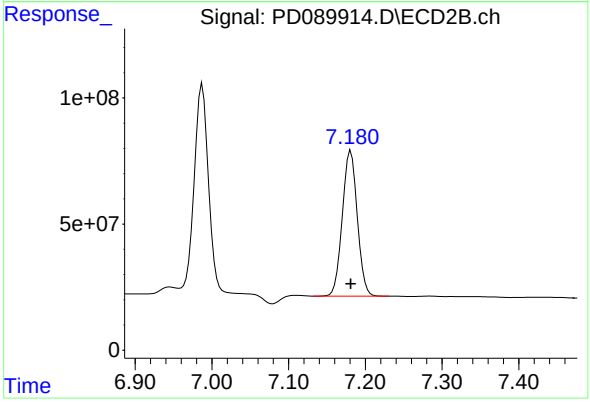
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1026711439
Conc: 51.16 ng/ml



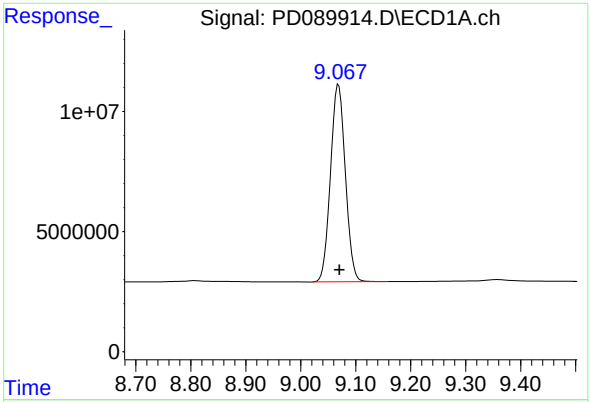
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.001 min
Response: 113913718
Conc: 40.85 ng/ml



#22 Mirex

R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 785672961
Conc: 51.62 ng/ml



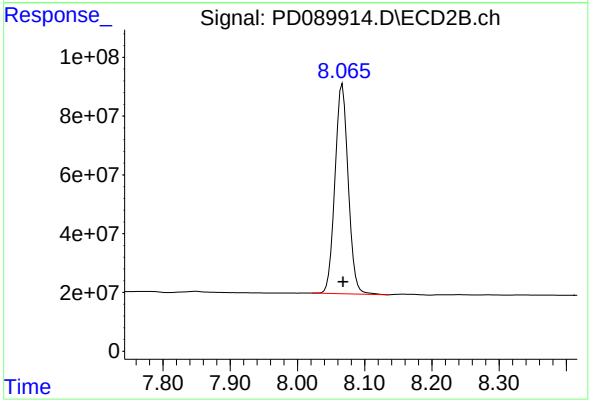
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 154189148
Conc: 41.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.001 min
Response: 971225521
Conc: 48.37 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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

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.

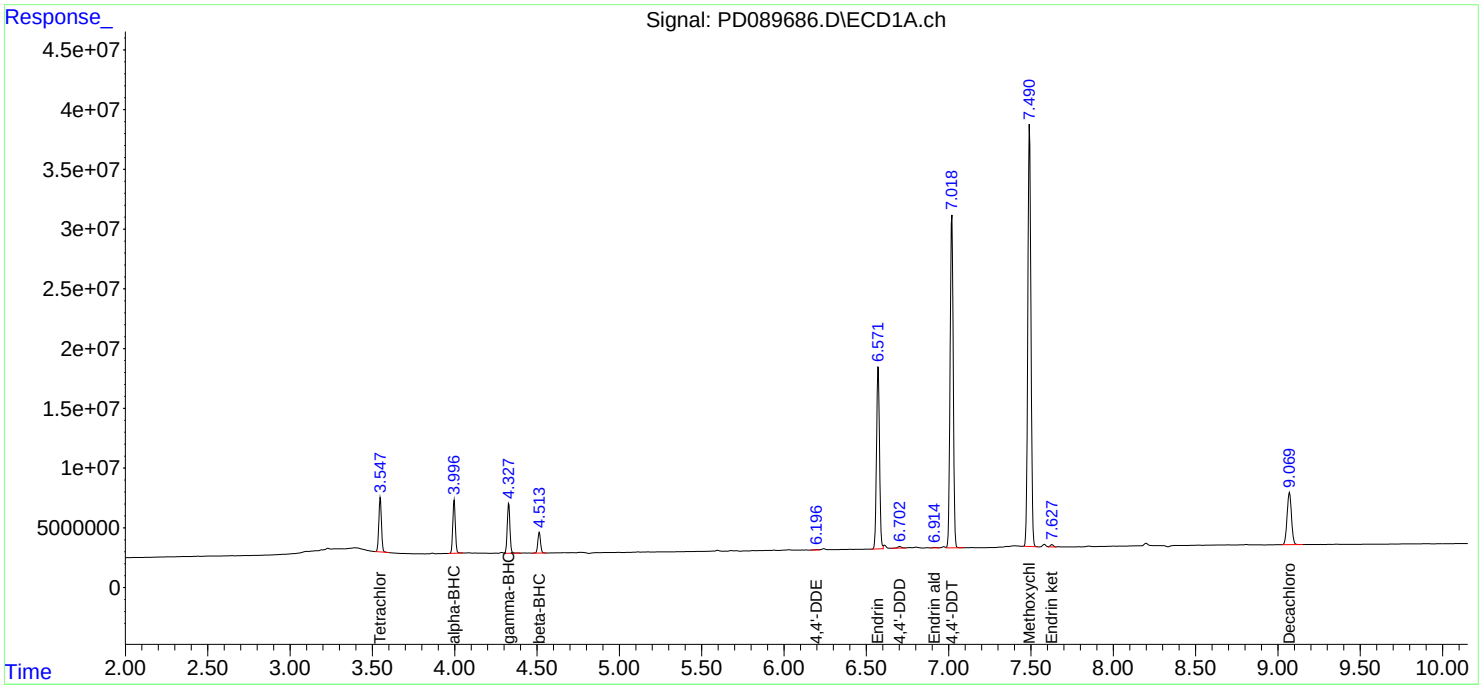
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

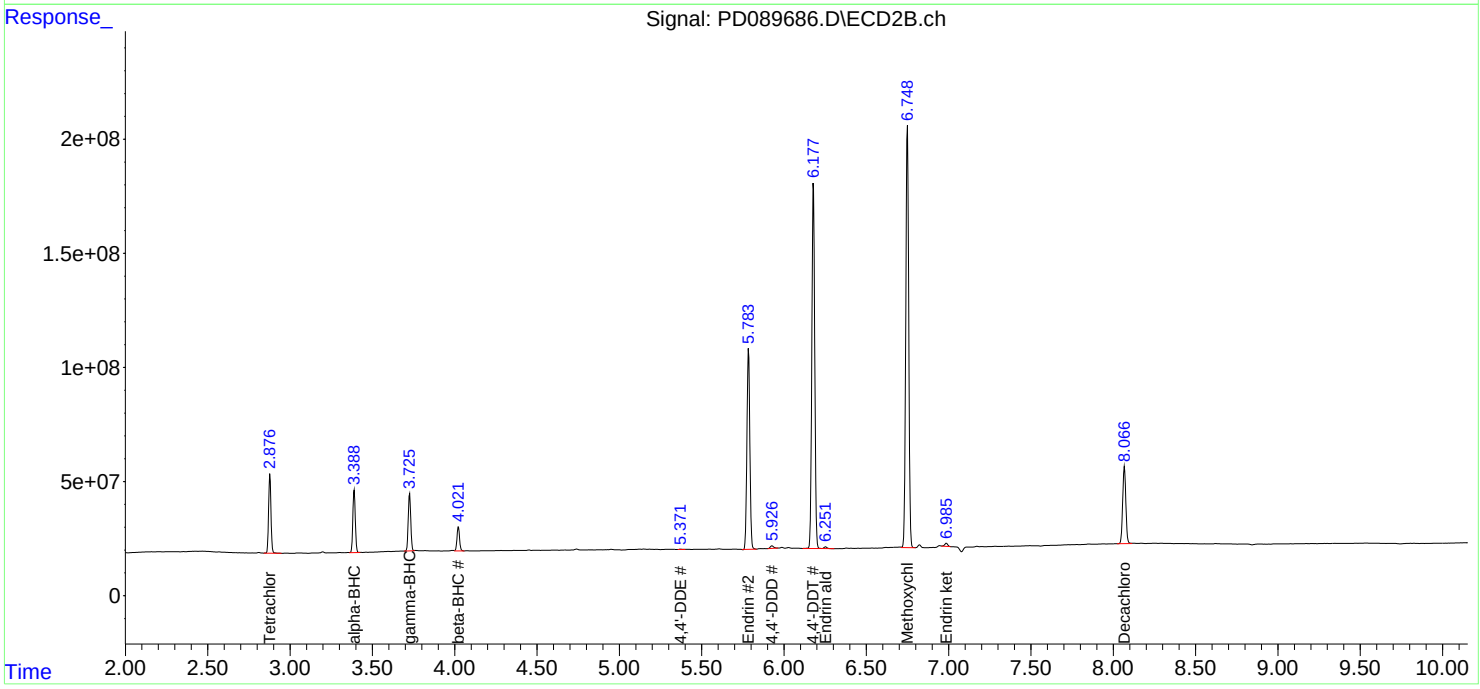
Instrument :
ECD_D
ClientSampleId :
PEM

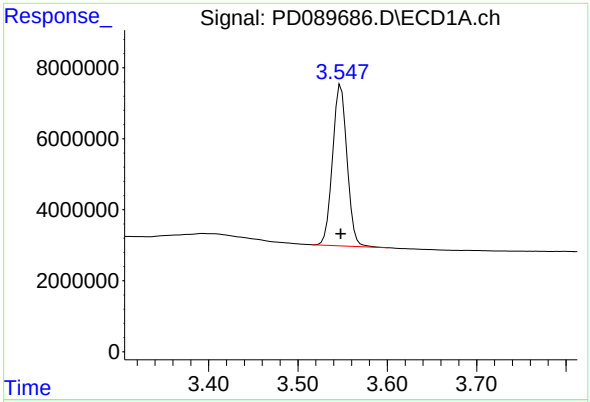
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

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







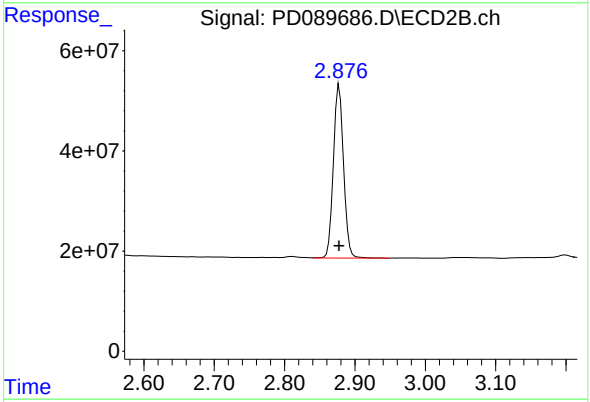
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 50972762
Conc: 20.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

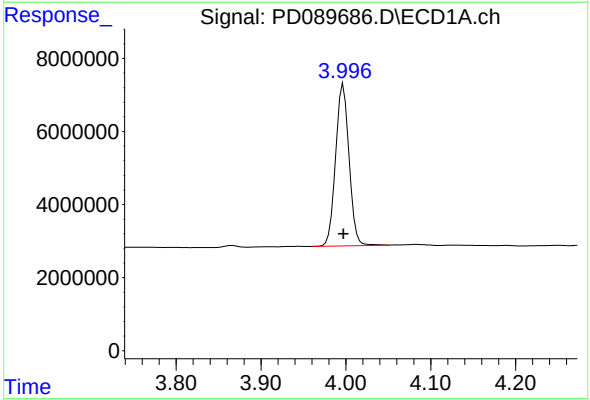
Manual Integrations
APPROVED

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



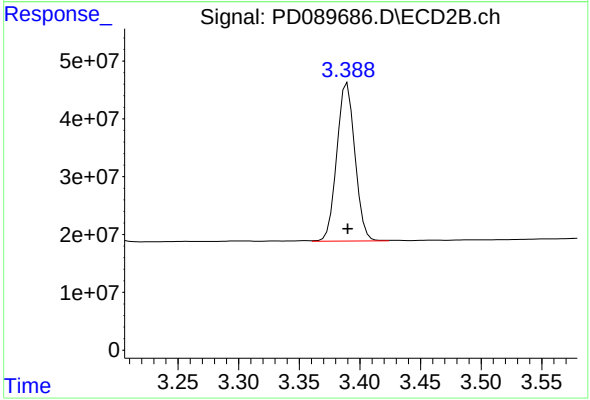
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 348246363
Conc: 21.99 ng/ml



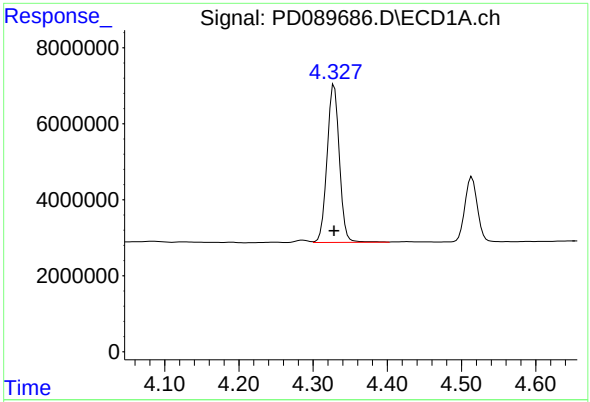
#2 alpha-BHC

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



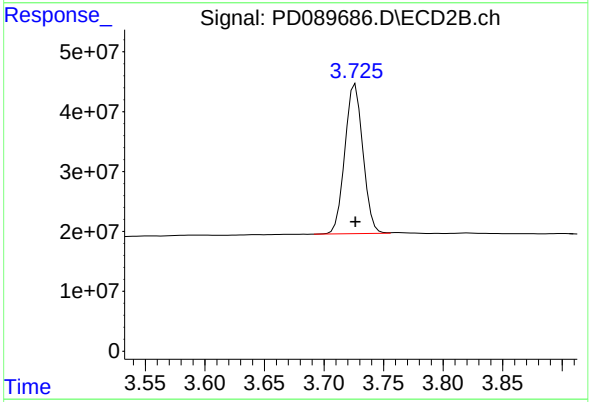
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 47886972
Conc: 10.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

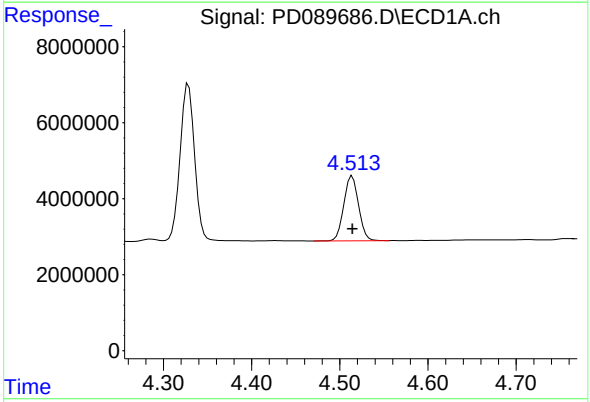
Manual Integrations
APPROVED

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



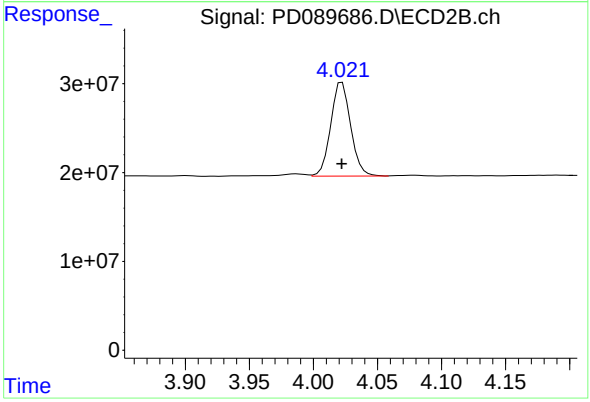
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 263580713
Conc: 11.70 ng/ml



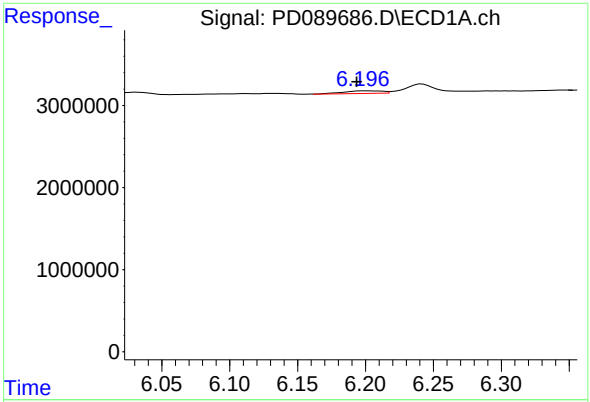
#6 beta-BHC

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



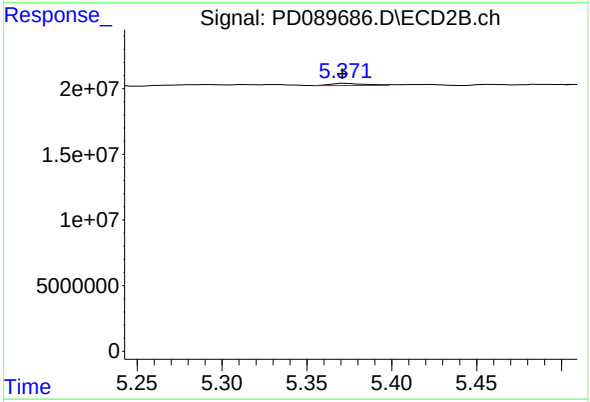
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.002 min
Response: 669534
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

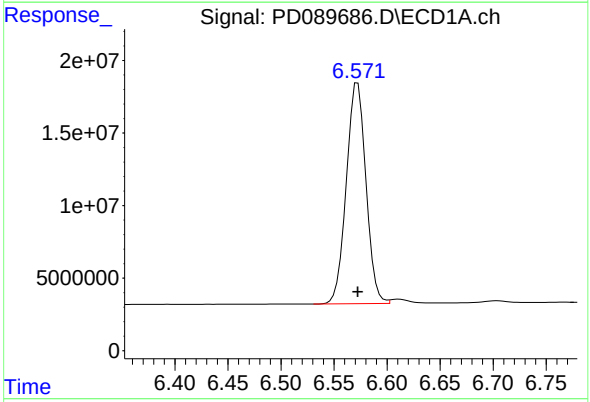
Manual Integrations
APPROVED

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



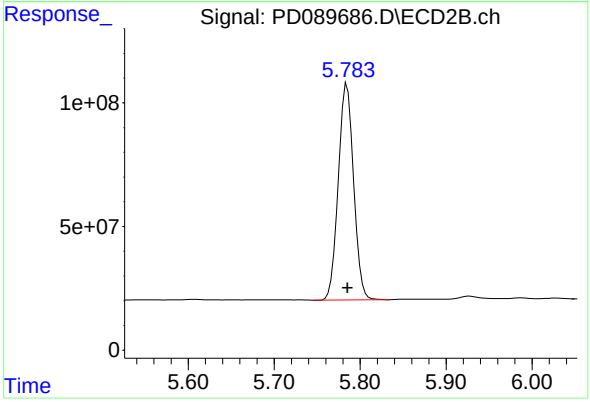
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 2329970
Conc: 0.11 ng/ml m



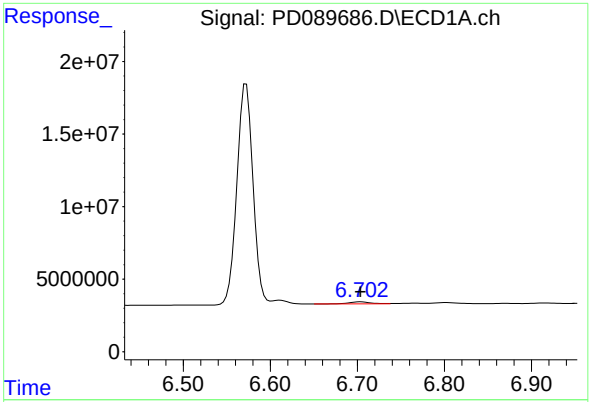
#14 Endrin

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



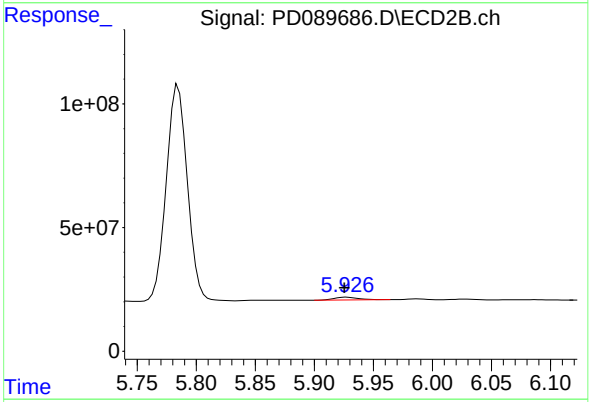
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 2381274
Conc: 0.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

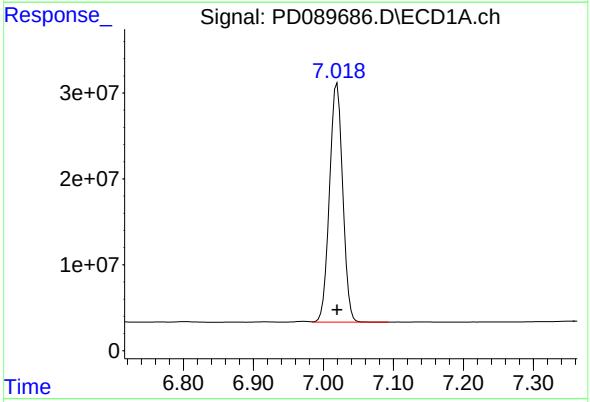
Manual Integrations
APPROVED

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



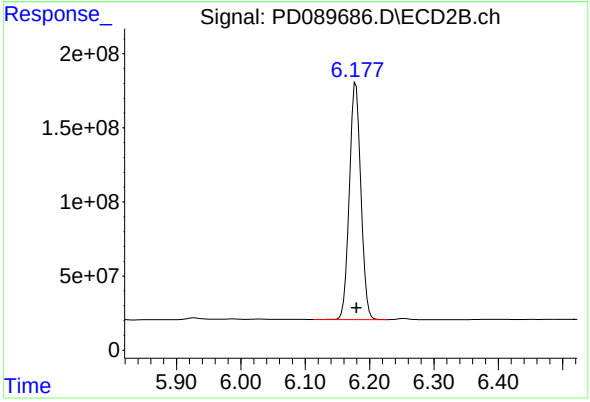
#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 16219265
Conc: 0.92 ng/ml m



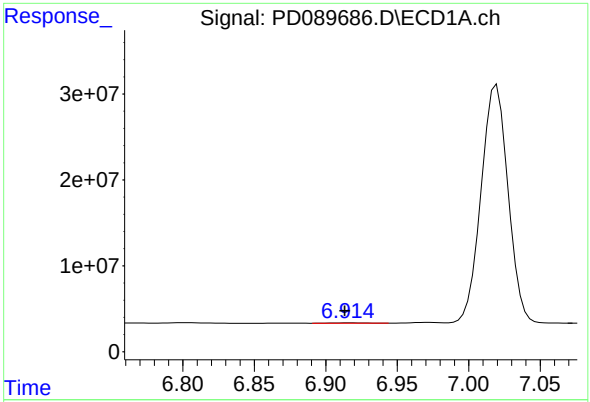
#17 4,4'-DDT

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



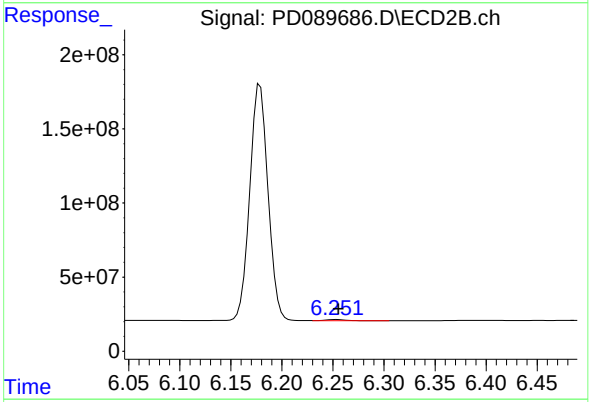
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 642296
Conc: 0.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

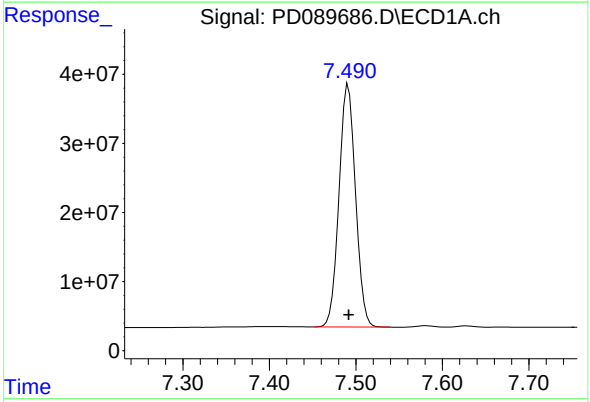
Manual Integrations
APPROVED

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



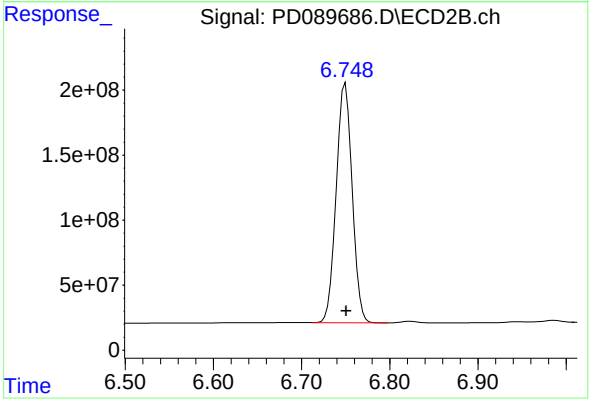
#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 9551952
Conc: 0.74 ng/ml



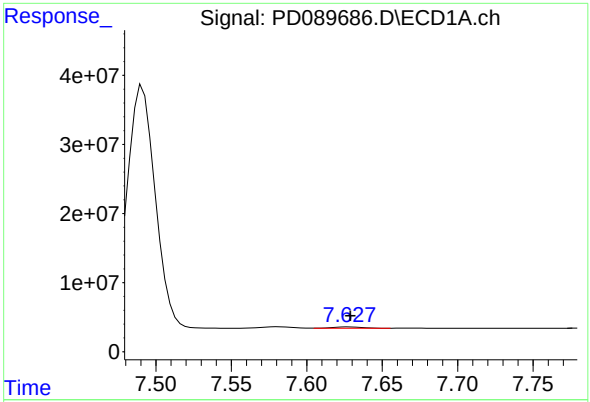
#20 Methoxychlor

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



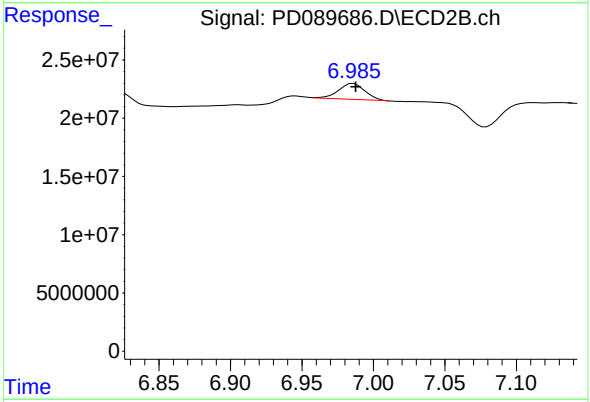
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 2513788
Conc: 0.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

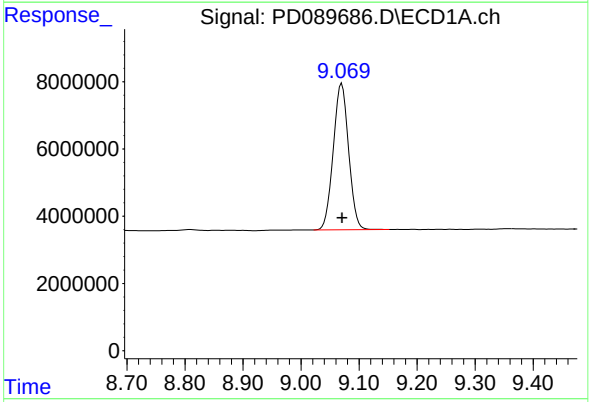
Manual Integrations
APPROVED

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



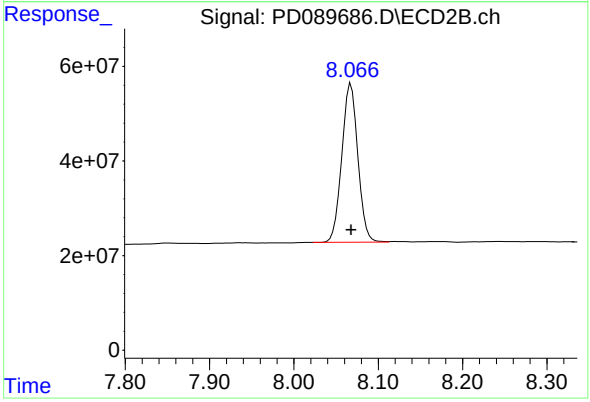
#21 Endrin ketone

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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089863.D **Date Analyzed:** 08/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	17.650	20.000	-11.8
Tetrachloro-m-xylene	3.547	3.500	3.600	18.000	20.000	-10.0
alpha-BHC	3.996	3.950	4.050	8.560	10.000	-14.4
beta-BHC	4.513	4.460	4.560	9.760	10.000	-2.4
gamma-BHC (Lindane)	4.327	4.280	4.380	8.890	10.000	-11.1
Endrin	6.571	6.500	6.640	40.110	50.000	-19.8
4,4'-DDT	7.018	6.950	7.090	73.170	100.000	-26.8
Methoxychlor	7.490	7.420	7.560	169.820	250.000	-32.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089863.D **Date Analyzed:** 08/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.970	8.170	20.690	20.000	3.5
Tetrachloro-m-xylene	2.877	2.830	2.930	22.610	20.000	13.1
alpha-BHC	3.388	3.340	3.440	11.930	10.000	19.3
beta-BHC	4.022	3.970	4.070	12.380	10.000	23.8
gamma-BHC (Lindane)	3.726	3.680	3.780	12.080	10.000	20.8
Endrin	5.785	5.710	5.860	51.450	50.000	2.9
4,4'-DDT	6.178	6.110	6.250	96.150	100.000	-3.9
Methoxychlor	6.748	6.680	6.820	198.010	250.000	-20.8

PEM

Data File: PD089863.D **Date Acquired** 8/12/2025 15:35

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	143502037.5	156894307.9	13392270.5	**8.54**
Endrin aldehyde	6.91	2969066.221			
Endrin ketone	7.63	10423204.24			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1025090577	1165140340	140049763	**12.02**
Endrin aldehyde #2	6.25	25352424.57			
Endrin ketone #2	6.98	114697338.2			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	245866074.8	266918209.1	21052134.3	**7.89**
4,4'-DDE	6.19	533390.432			
4,4'-DDD	6.70	20518743.85			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1766614061	1907247447	140633386	**7.37**
4,4'-DDE #2	5.37	3521899			
4,4'-DDD #2	5.92	137111486.7			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 15:35
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:15 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	44394058	358.1E6	17.998	22.611 #
28)	SA Decachlor...	9.068	8.066	65592115	415.5E6	17.650	20.694
	Target Compounds						
2)	A alpha-BHC	3.996	3.388	42420416	290.0E6	8.564	11.930m#
3)	MA gamma-BHC...	4.327	3.726	42271672	272.2E6	8.895	12.085 #
6)	B beta-BHC	4.513	4.022	18010174	119.4E6	9.763	12.376 #
12)	B 4,4'-DDE	6.192	5.370	533390	3521899	0.143	0.167m
14)	MA Endrin	6.571	5.785	143.5E6	1025.1E6	40.110	51.447 #
16)	A 4,4'-DDD	6.702	5.925	20518744	137.1E6	6.851	7.776
17)	MA 4,4'-DDT	7.018	6.178	245.9E6	1766.6E6	73.169	96.154 #
18)	B Endrin al...	6.912	6.254	2969066	25352425	1.190	1.962 #
20)	A Methoxychlor	7.490	6.748	303.6E6	1939.6E6	169.821	198.008
21)	B Endrin ke...	7.626	6.984	10423204	114.7E6	2.806m	5.715m#

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

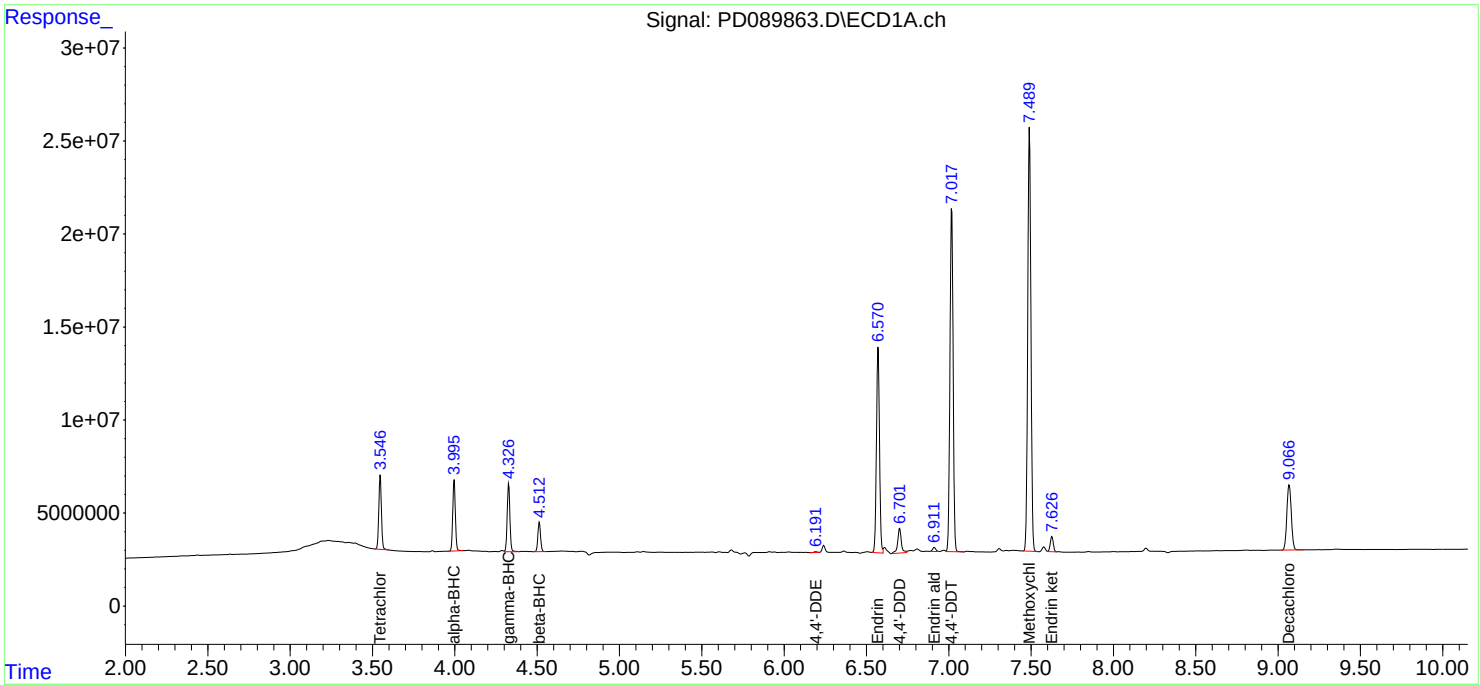
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 15:35
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

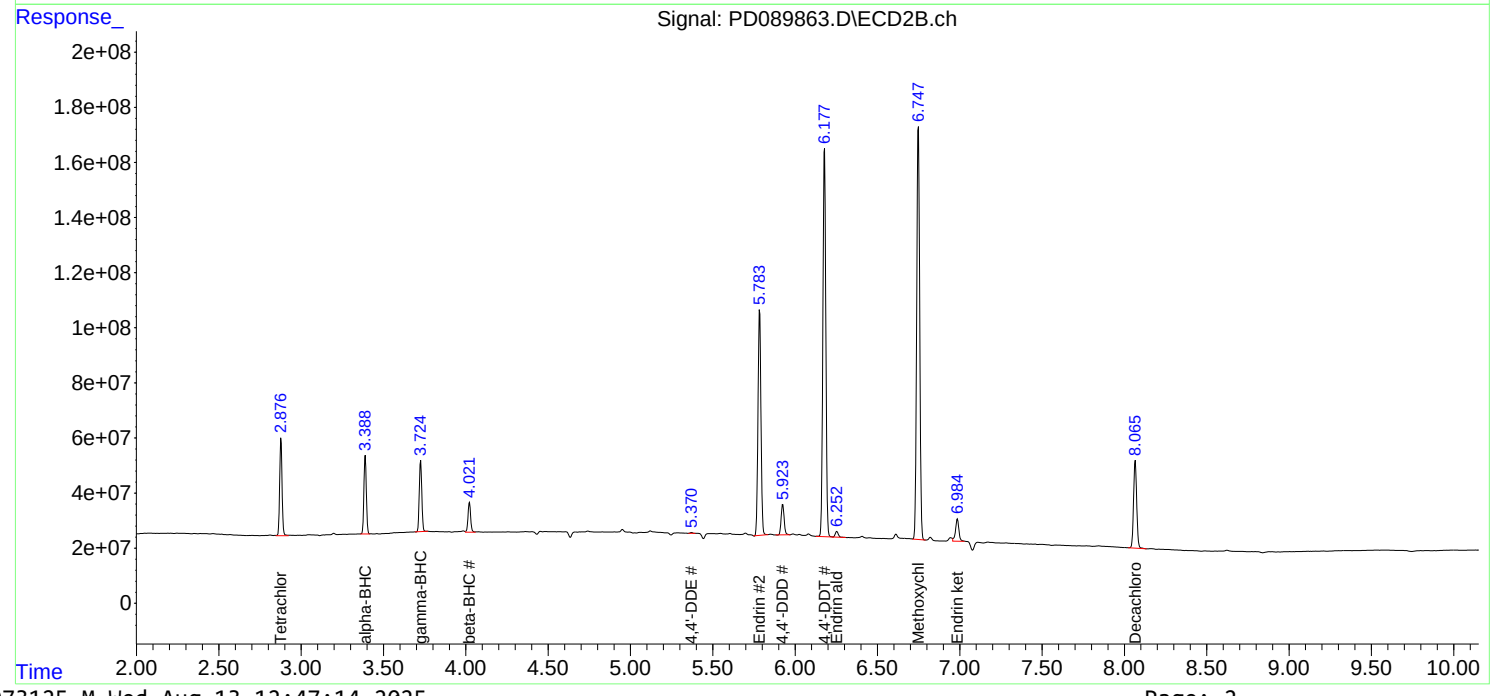
Instrument :
ECD_D
ClientSampleId :
PEM

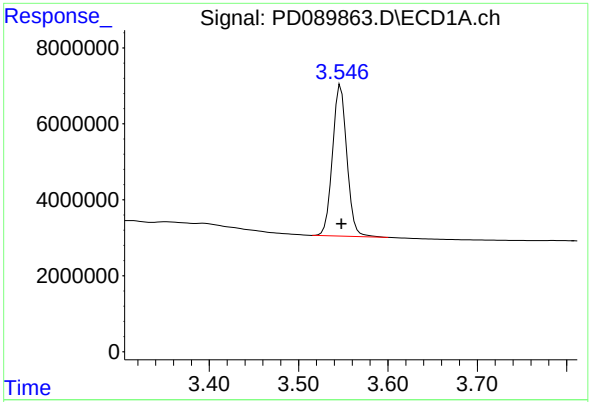
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:15 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







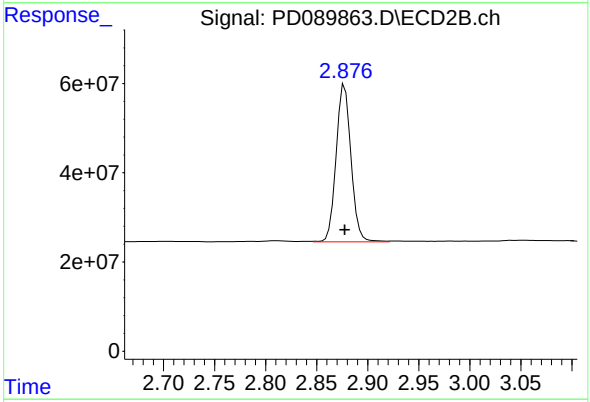
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 44394058
Conc: 18.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

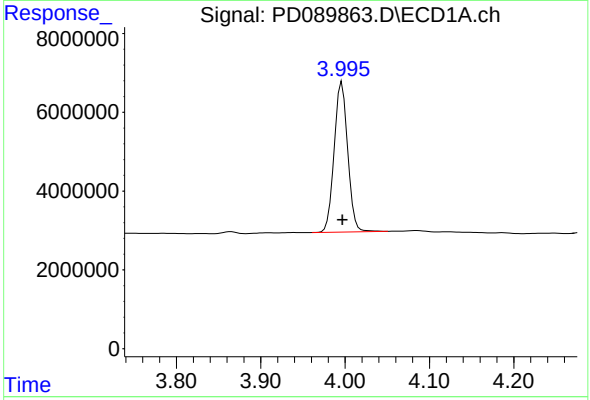
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



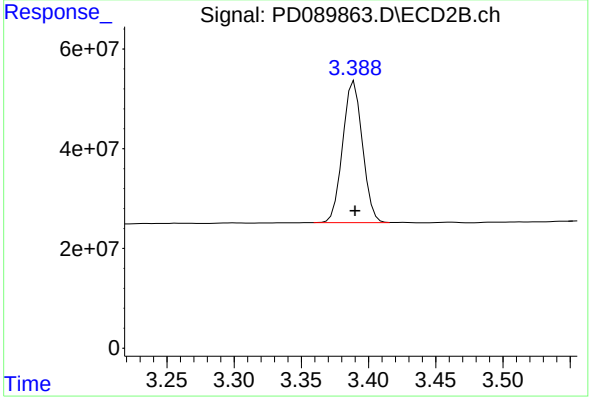
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 358116750
Conc: 22.61 ng/ml



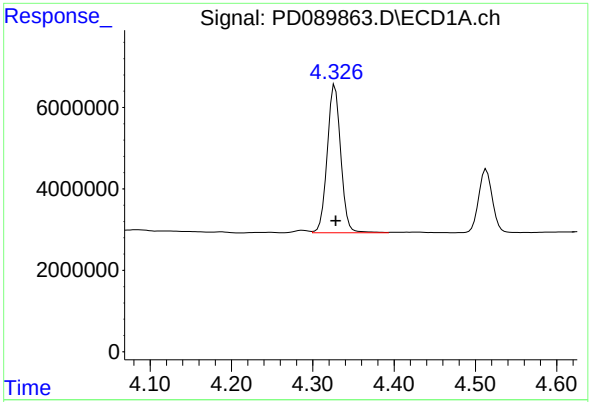
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 42420416
Conc: 8.56 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 289951458
Conc: 11.93 ng/ml m



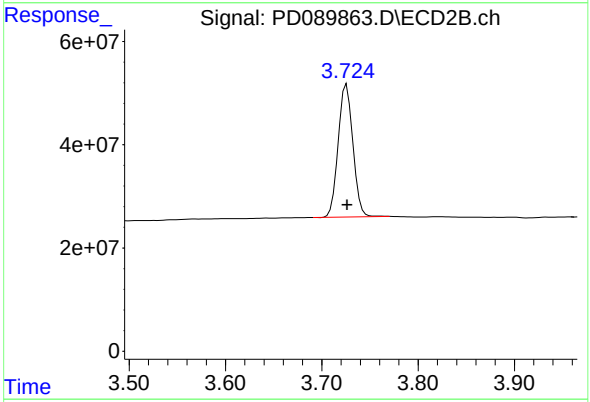
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 42271672
Conc: 8.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

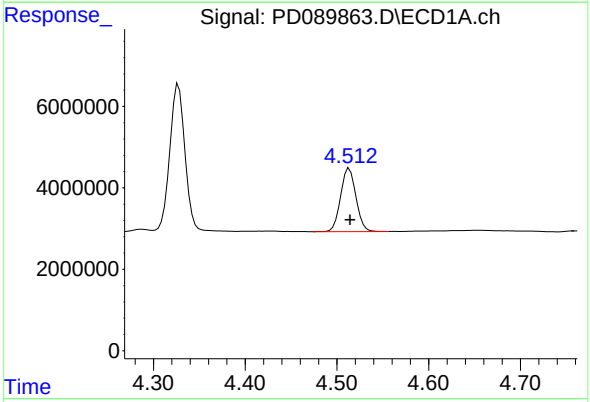
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



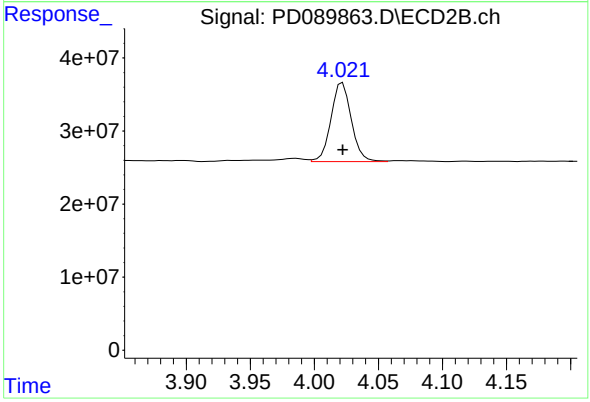
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 272197166
Conc: 12.08 ng/ml



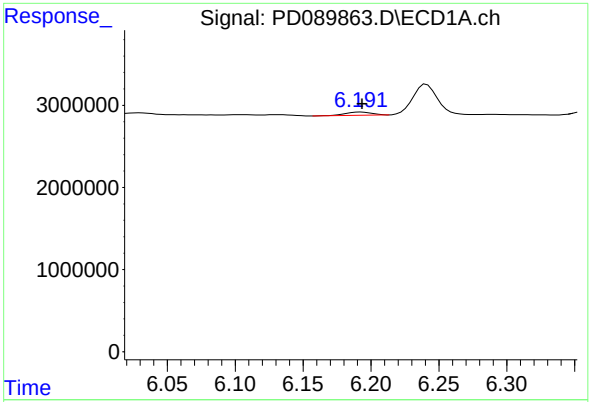
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 18010174
Conc: 9.76 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 119418036
Conc: 12.38 ng/ml



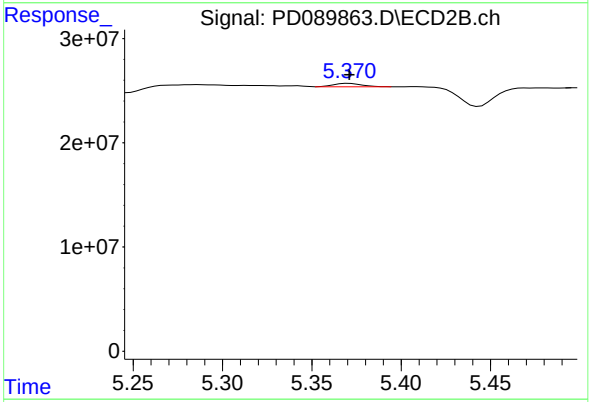
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 533390
Conc: 0.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

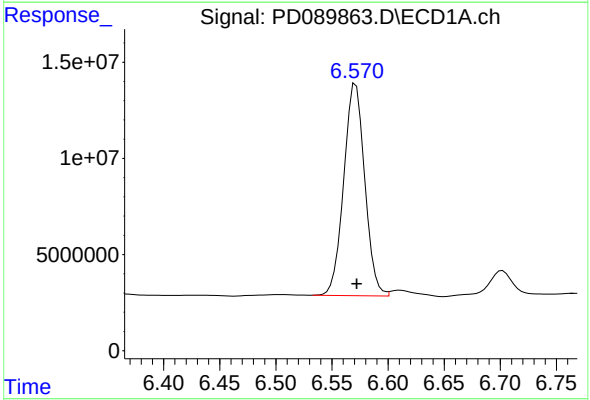
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



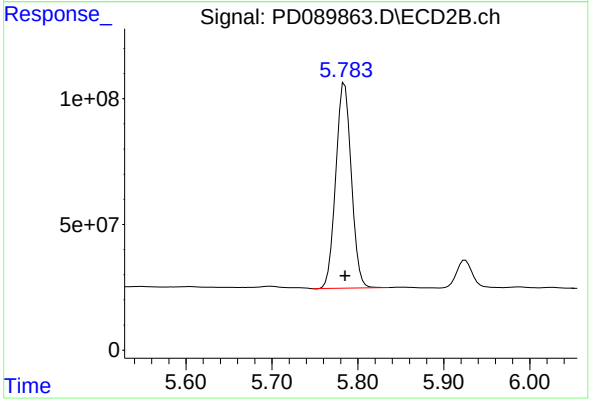
#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.001 min
Response: 3521899
Conc: 0.17 ng/ml m



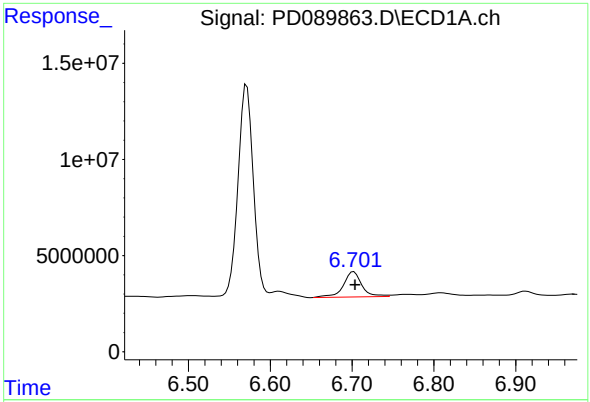
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 143502037
Conc: 40.11 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1025090577
Conc: 51.45 ng/ml



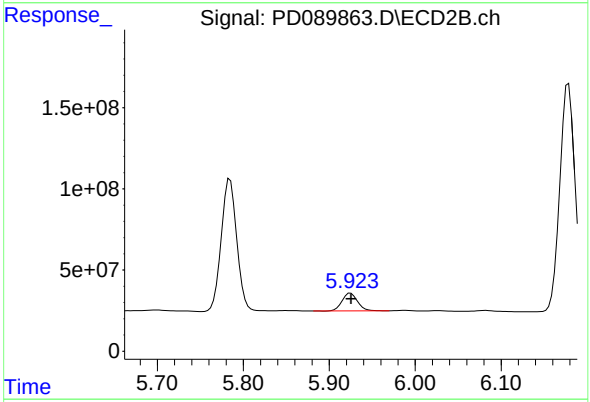
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 20518744
Conc: 6.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

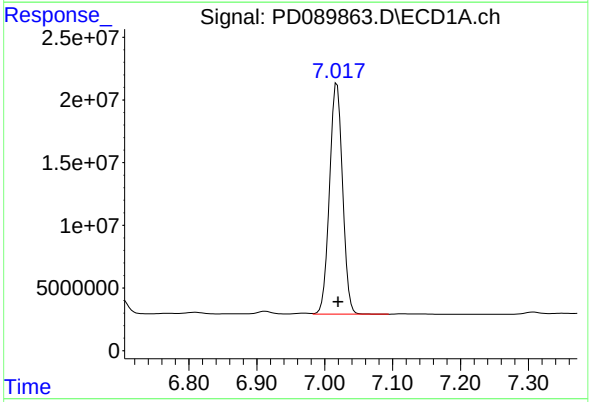
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



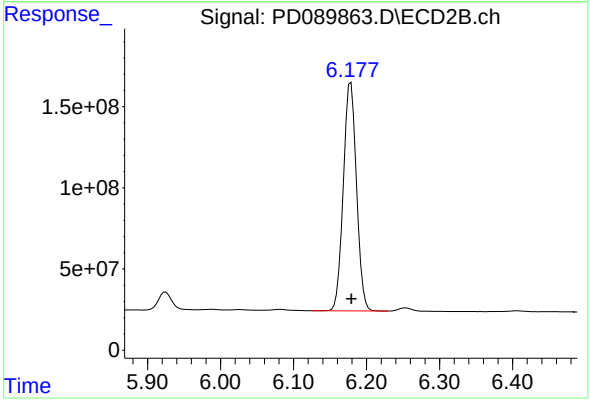
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 137111487
Conc: 7.78 ng/ml



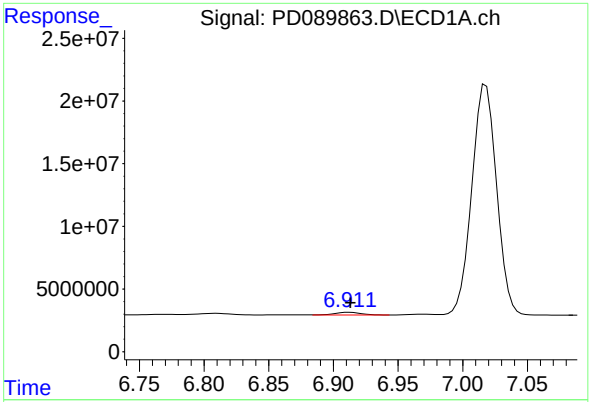
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 245866075
Conc: 73.17 ng/ml



#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1766614061
Conc: 96.15 ng/ml



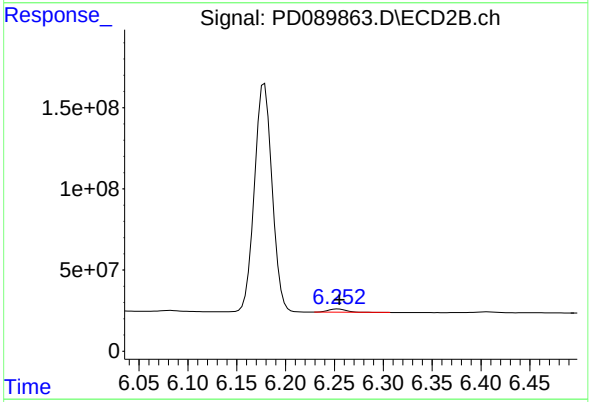
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 2969066
Conc: 1.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

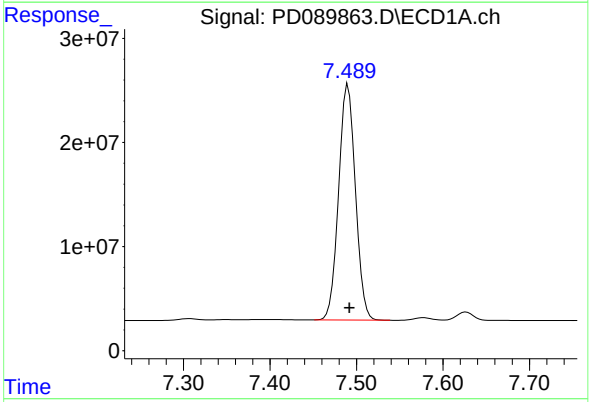
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



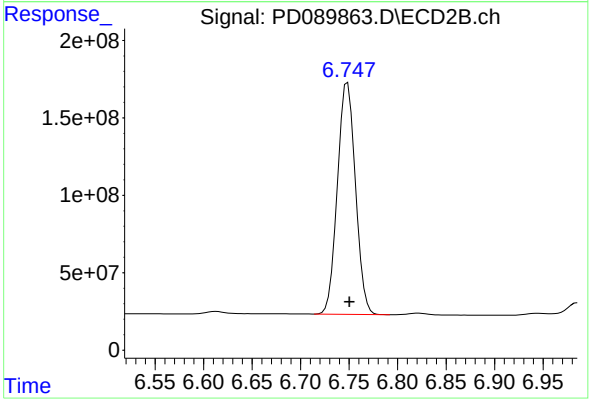
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.002 min
Response: 25352425
Conc: 1.96 ng/ml



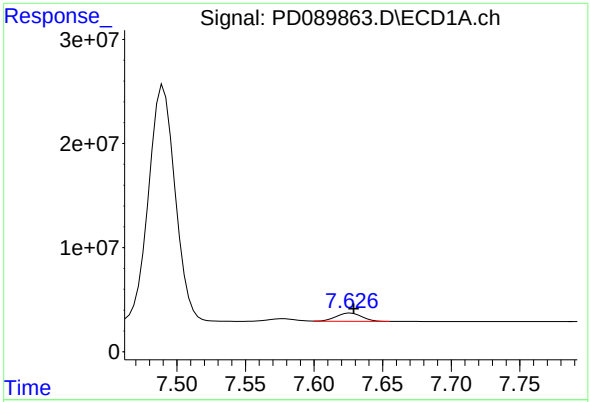
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 303636496
Conc: 169.82 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 1939590057
Conc: 198.01 ng/ml



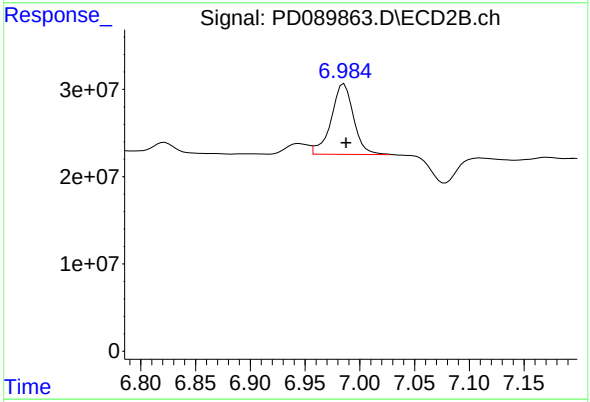
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.003 min
Response: 10423204
Conc: 2.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

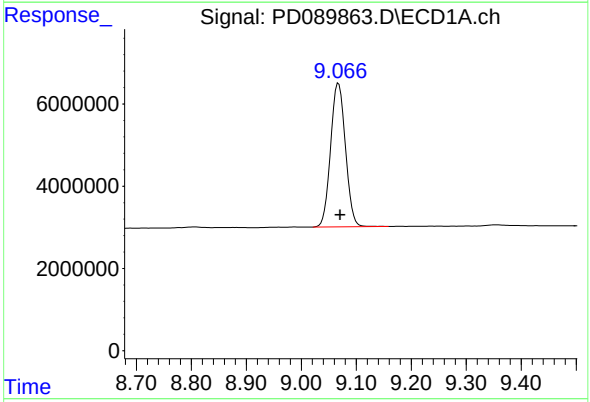
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



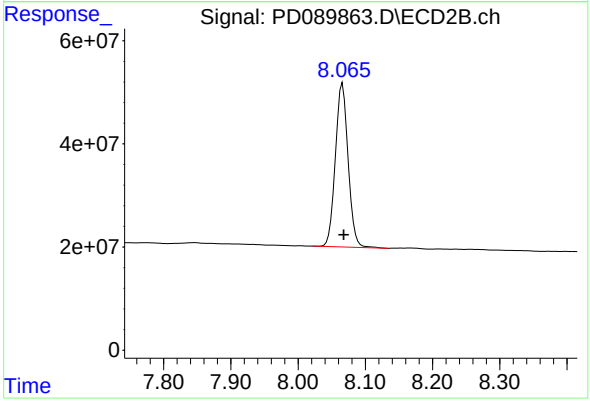
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.003 min
Response: 114697338
Conc: 5.72 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 65592115
Conc: 17.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 415503599
Conc: 20.69 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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089889.D **Date Analyzed:** 08/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.070	8.970	9.170	17.540	20.000	-12.3
Tetrachloro-m-xylene	3.548	3.500	3.600	18.240	20.000	-8.8
alpha-BHC	3.997	3.950	4.050	8.750	10.000	-12.5
beta-BHC	4.515	4.460	4.570	9.960	10.000	-0.4
gamma-BHC (Lindane)	4.328	4.280	4.380	9.120	10.000	-8.8
Endrin	6.571	6.500	6.640	45.130	50.000	-9.7
4,4'-DDT	7.019	6.950	7.090	84.340	100.000	-15.7
Methoxychlor	7.491	7.420	7.560	194.610	250.000	-22.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089889.D **Date Analyzed:** 08/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.970	8.170	21.720	20.000	8.6
Tetrachloro-m-xylene	2.878	2.830	2.930	23.080	20.000	15.4
alpha-BHC	3.389	3.340	3.440	12.320	10.000	23.2
beta-BHC	4.022	3.970	4.070	12.430	10.000	24.3
gamma-BHC (Lindane)	3.726	3.680	3.780	12.470	10.000	24.7
Endrin	5.785	5.710	5.860	56.800	50.000	13.6
4,4'-DDT	6.178	6.110	6.250	110.160	100.000	10.2
Methoxychlor	6.749	6.680	6.820	219.220	250.000	-12.3

PEM

Data File: PD089889.D **Date Acquired** 8/14/2025 12:19

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	161454406	165075043	3620637.03	**2.19**
Endrin aldehyde	6.91	939247.186			
Endrin ketone	7.63	2681389.842			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1131810203	1165767099	33956895.3	**2.91**
Endrin aldehyde #2	6.25	11826720.69			
Endrin ketone #2	6.99	22130174.59			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	283407817.5	285821667.9	2413850.41	**0.84**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	2413850.411			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2023846116	2048971665	25125548.3	**1.23**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	25125548.26			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:19
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:54:48 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...	3.548	2.878	44987226	365.5E6	18.239	23.079 #
28)	SA Decachlor...	9.070	8.066	65193590	436.2E6	17.543	21.723
	Target Compounds						
2)	A alpha-BHC	3.997	3.389	43353836	299.5E6	8.752	12.322m#
3)	MA gamma-BHC...	4.328	3.726	43356268	280.9E6	9.123	12.473 #
6)	B beta-BHC	4.515	4.022	18379276	120.0E6	9.963	12.433
14)	MA Endrin	6.571	5.785	161.5E6	1131.8E6	45.128	56.803 #
16)	A 4,4'-DDD	6.702	5.926	2413850	25125548	0.806m	1.425 #
17)	MA 4,4'-DDT	7.019	6.178	283.4E6	2023.8E6	84.341	110.155 #
18)	B Endrin al...	6.915	6.251	939247	11826721	0.376	0.915m#
20)	A Methoxychlor	7.491	6.749	348.0E6	2147.3E6	194.610	219.216
21)	B Endrin ke...	7.627	6.986	2681390	22130175	0.722m	1.103m#

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

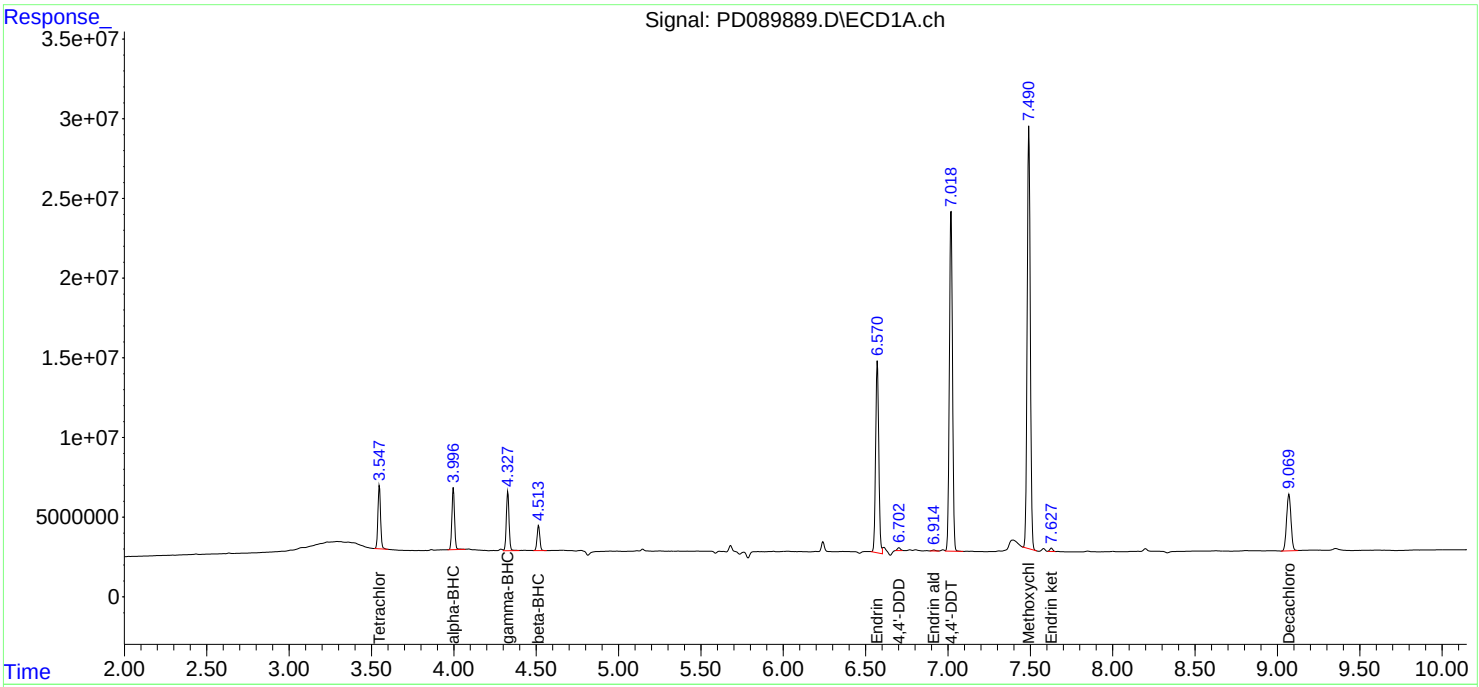
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:19
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

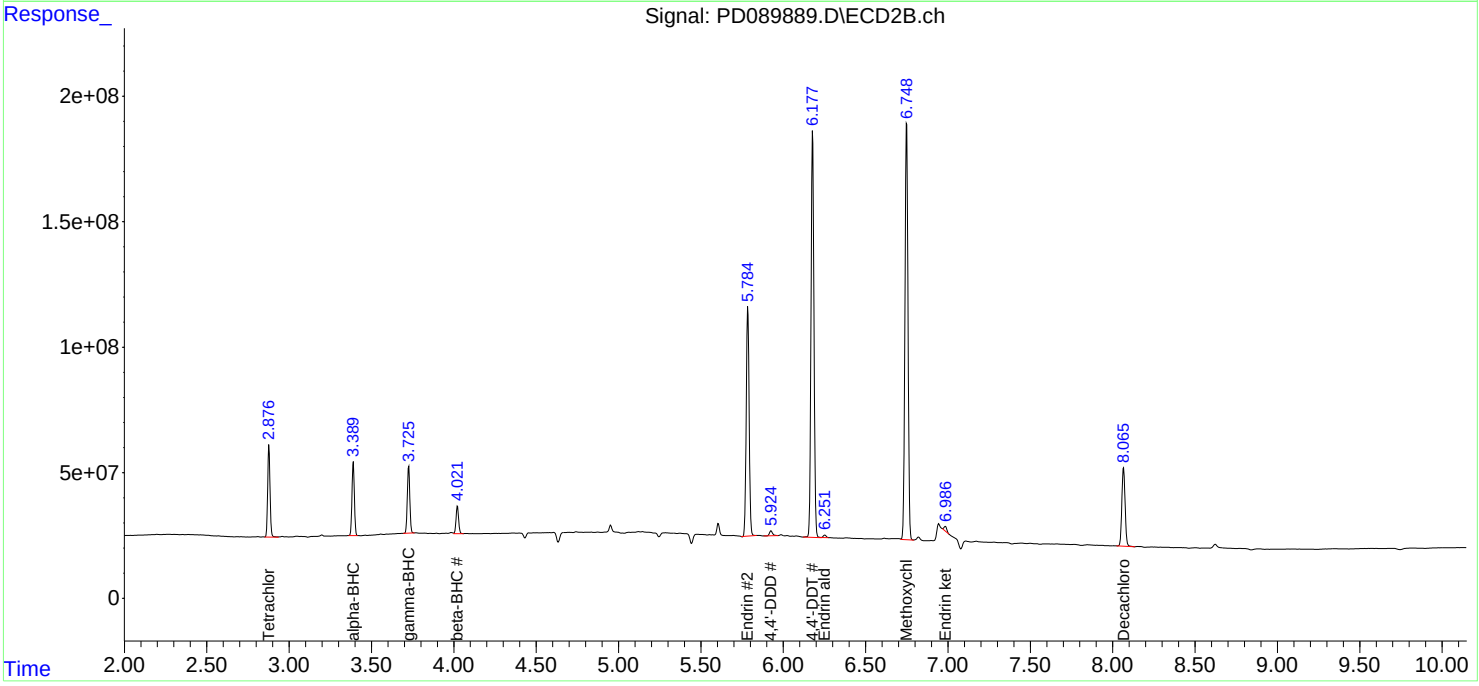
Instrument :
ECD_D
ClientSampleId :
PEM

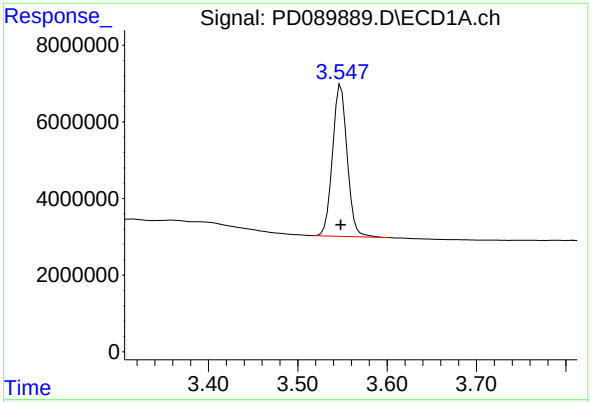
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:54:48 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







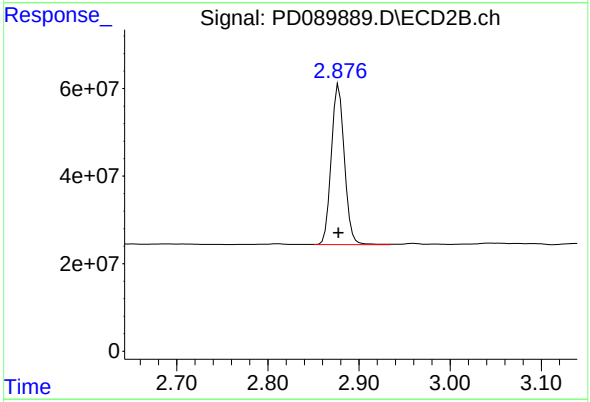
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 44987226
Conc: 18.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

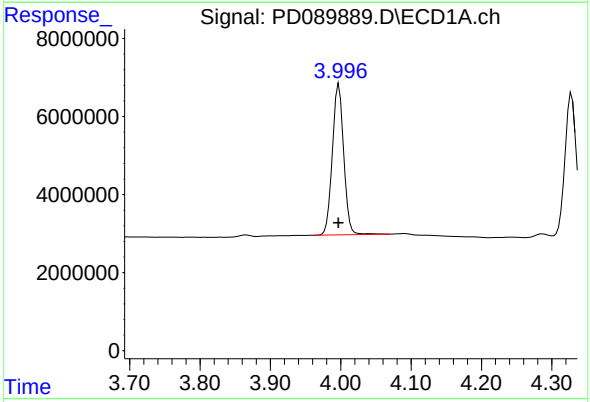
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



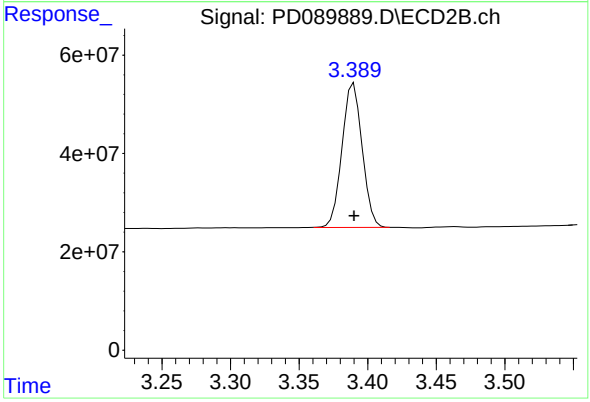
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 365529389
Conc: 23.08 ng/ml



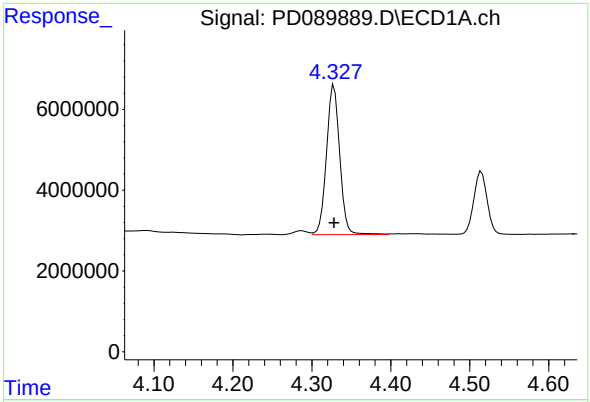
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 43353836
Conc: 8.75 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 299489005
Conc: 12.32 ng/ml m



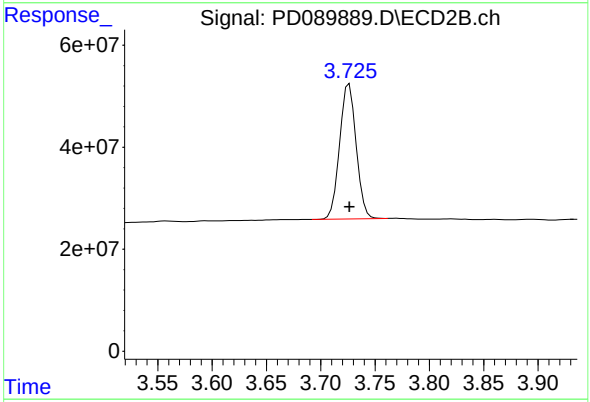
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 43356268
Conc: 9.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

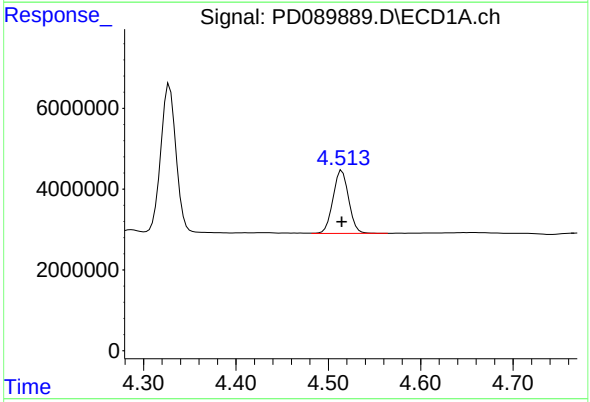
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



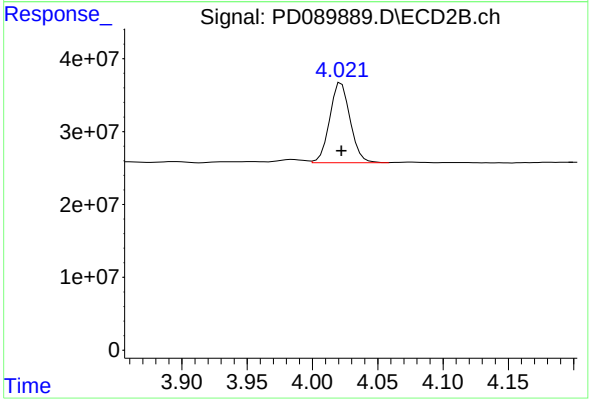
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 280936272
Conc: 12.47 ng/ml



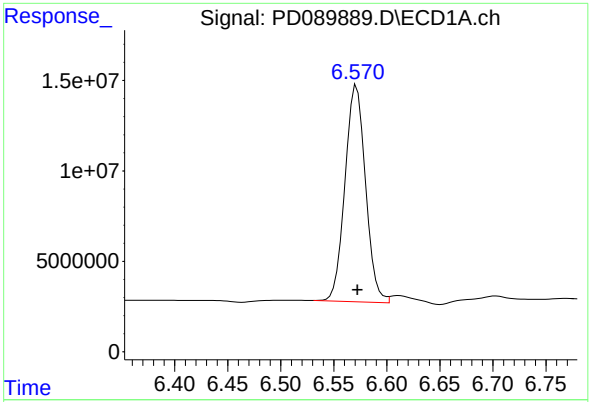
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 18379276
Conc: 9.96 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 119965559
Conc: 12.43 ng/ml



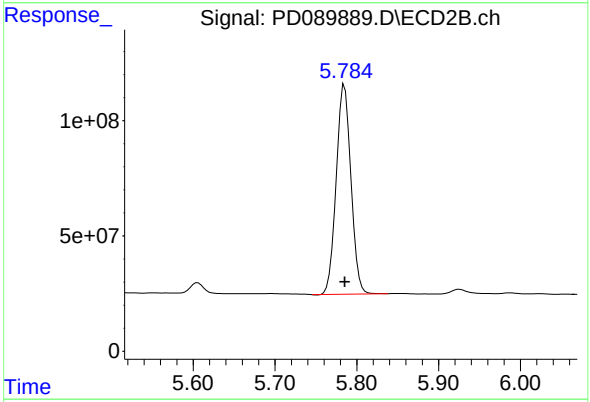
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 161454406
Conc: 45.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

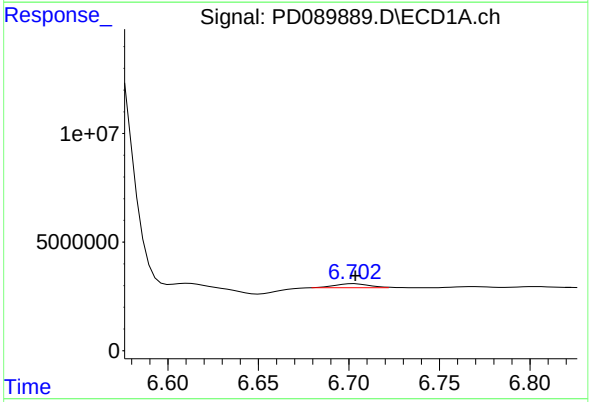
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



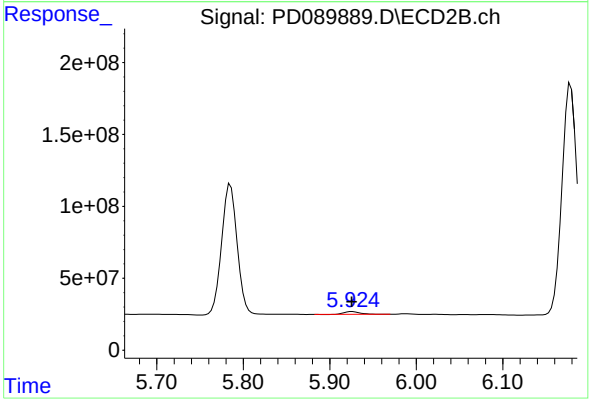
#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1131810203
Conc: 56.80 ng/ml



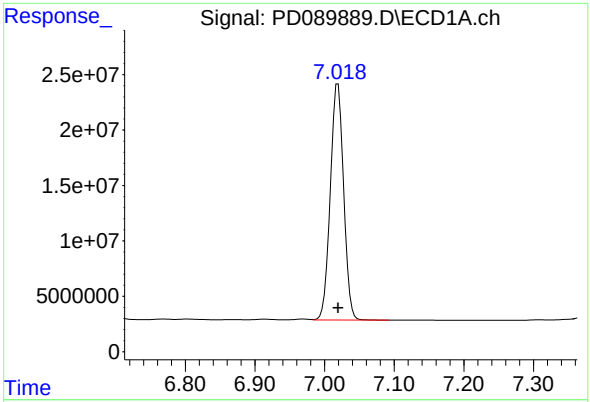
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 2413850
Conc: 0.81 ng/ml m



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 25125548
Conc: 1.42 ng/ml



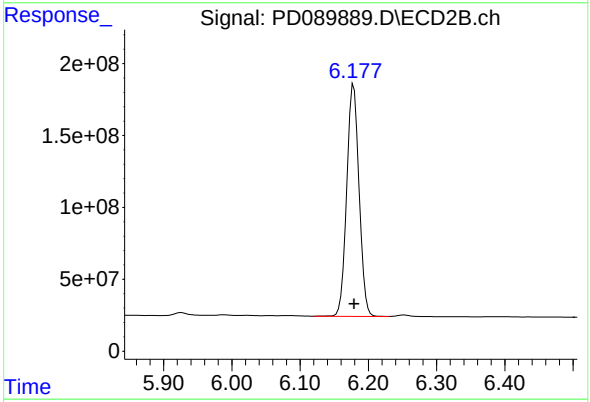
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 283407818
Conc: 84.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

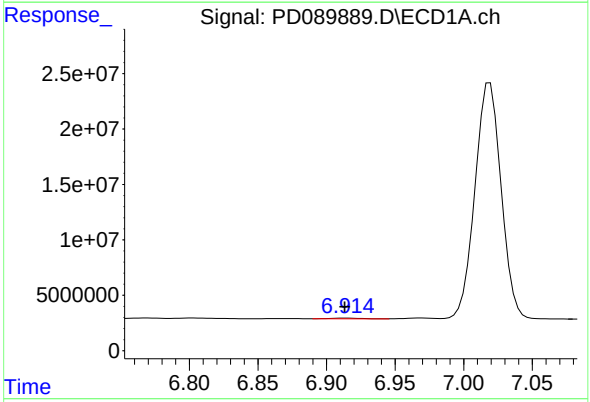
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



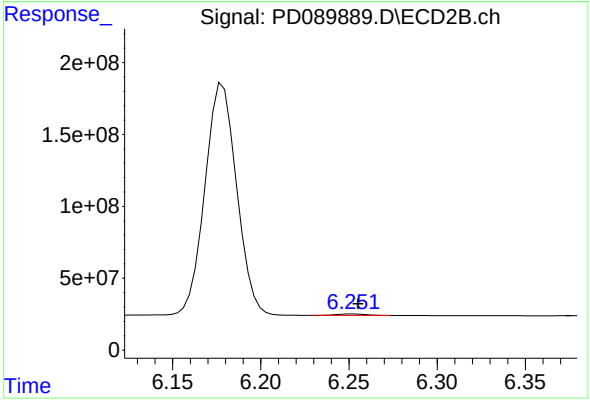
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 2023846116
Conc: 110.16 ng/ml



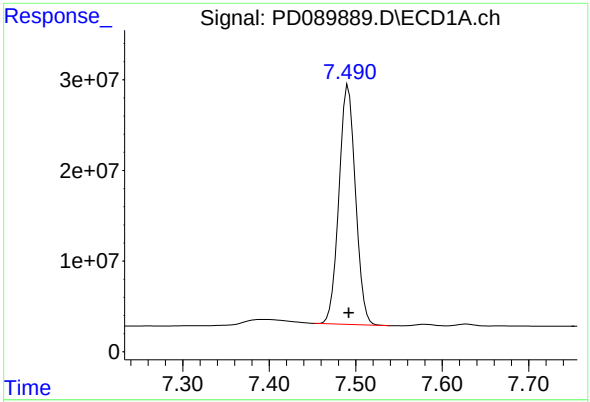
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 939247
Conc: 0.38 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.004 min
Response: 11826721
Conc: 0.92 ng/ml m



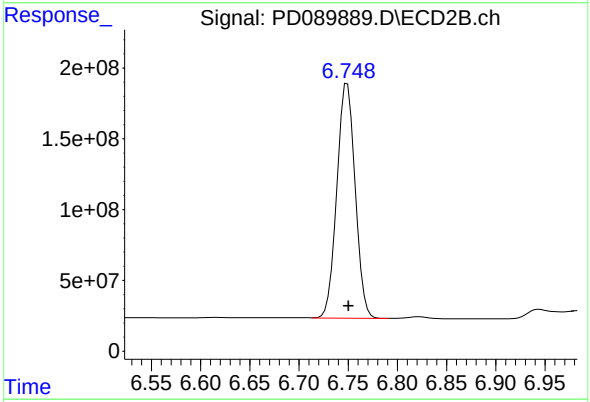
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 347957384
Conc: 194.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

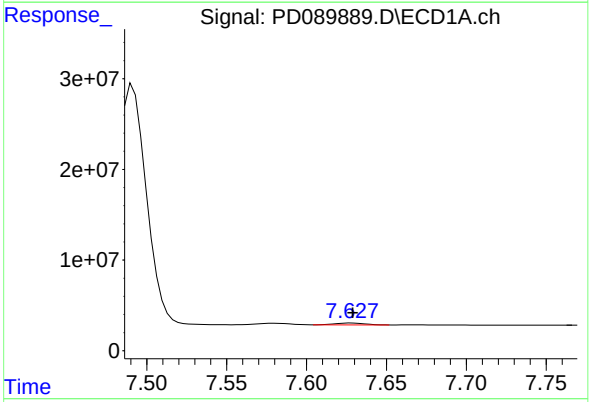
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



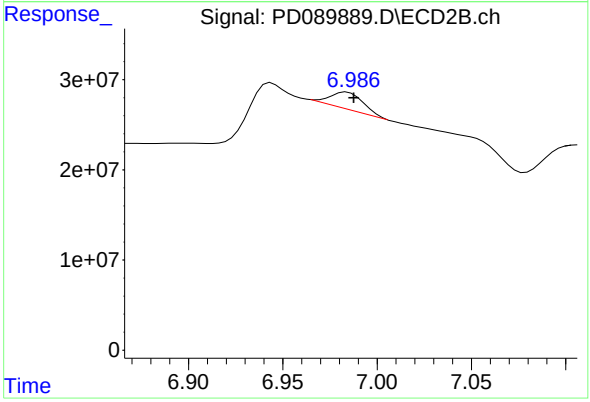
#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 2147328721
Conc: 219.22 ng/ml



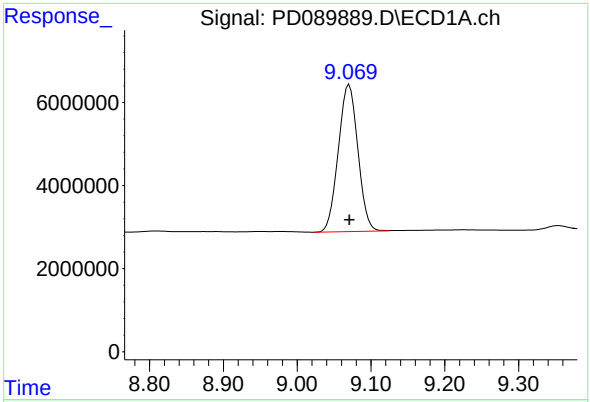
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 2681390
Conc: 0.72 ng/ml m



#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 22130175
Conc: 1.10 ng/ml m



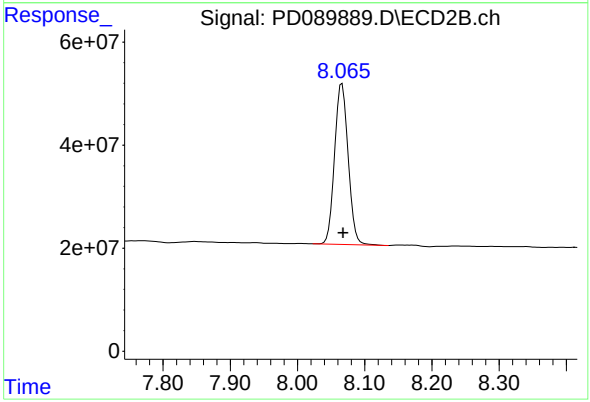
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 65193590
Conc: 17.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 436157332
Conc: 21.72 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:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089905.D **Date Analyzed:** 08/15/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:51

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.069	8.970	9.170	17.640	20.000	-11.8
Tetrachloro-m-xylene	3.549	3.500	3.600	18.190	20.000	-9.1
alpha-BHC	3.998	3.950	4.050	8.690	10.000	-13.1
beta-BHC	4.515	4.460	4.570	9.900	10.000	-1.0
gamma-BHC (Lindane)	4.329	4.280	4.380	9.180	10.000	-8.2
Endrin	6.572	6.500	6.640	44.810	50.000	-10.4
4,4'-DDT	7.019	6.950	7.090	82.830	100.000	-17.2
Methoxychlor	7.491	7.420	7.560	192.090	250.000	-23.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089905.D **Date Analyzed:** 08/15/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:51

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.970	8.170	22.150	20.000	10.8
Tetrachloro-m-xylene	2.878	2.830	2.930	22.930	20.000	14.7
alpha-BHC	3.390	3.340	3.440	12.470	10.000	24.7
beta-BHC	4.022	3.970	4.070	12.280	10.000	22.8
gamma-BHC (Lindane)	3.727	3.680	3.780	12.320	10.000	23.2
Endrin	5.785	5.710	5.860	56.160	50.000	12.3
4,4'-DDT	6.178	6.110	6.250	107.180	100.000	7.2
Methoxychlor	6.748	6.680	6.820	212.250	250.000	-15.1

PEM

Data File: PD089905.D **Date Acquired** 8/15/2025 9:51

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	160321551.1	165078133.8	4756582.75	**2.88**
Endrin aldehyde	6.91	1169912.189			
Endrin ketone	7.63	3586670.557			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1118978425	1181843879	62865453.9	**5.32**
Endrin aldehyde #2	6.25	14986495.81			
Endrin ketone #2	6.98	47878958.06			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	278336859	282830320.4	4493461.39	**1.59**
4,4'-DDE	6.20	573433.783			
4,4'-DDD	6.70	3920027.603			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1969146892	2005228577	36081684.8	**1.80**
4,4'-DDE #2	5.37	2578539.169			
4,4'-DDD #2	5.93	33503145.63			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:00 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...	3.549	2.878	44858826	363.1E6	18.187	22.925 #
28)	SA Decachlor...	9.069	8.066	65545586	444.6E6	17.638	22.146 #
	Target Compounds						
2)	A alpha-BHC	3.998	3.390	43068367	303.0E6	8.694	12.467 #
3)	MA gamma-BHC...	4.329	3.727	43629196	277.5E6	9.181	12.322 #
6)	B beta-BHC	4.515	4.022	18260050	118.4E6	9.899	12.275
12)	B 4,4'-DDE	6.195	5.372	573434	2578539	0.154m	0.122m
14)	MA Endrin	6.572	5.785	160.3E6	1119.0E6	44.811	56.159 #
16)	A 4,4'-DDD	6.701	5.926	3920028	33503146	1.309m	1.900 #
17)	MA 4,4'-DDT	7.019	6.178	278.3E6	1969.1E6	82.832	107.178 #
18)	B Endrin al...	6.914	6.252	1169912	14986496	0.469	1.160 #
20)	A Methoxychlor	7.491	6.748	343.4E6	2079.1E6	192.087	212.254
21)	B Endrin ke...	7.626	6.983	3586671	47878958	0.966m	2.386m#

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

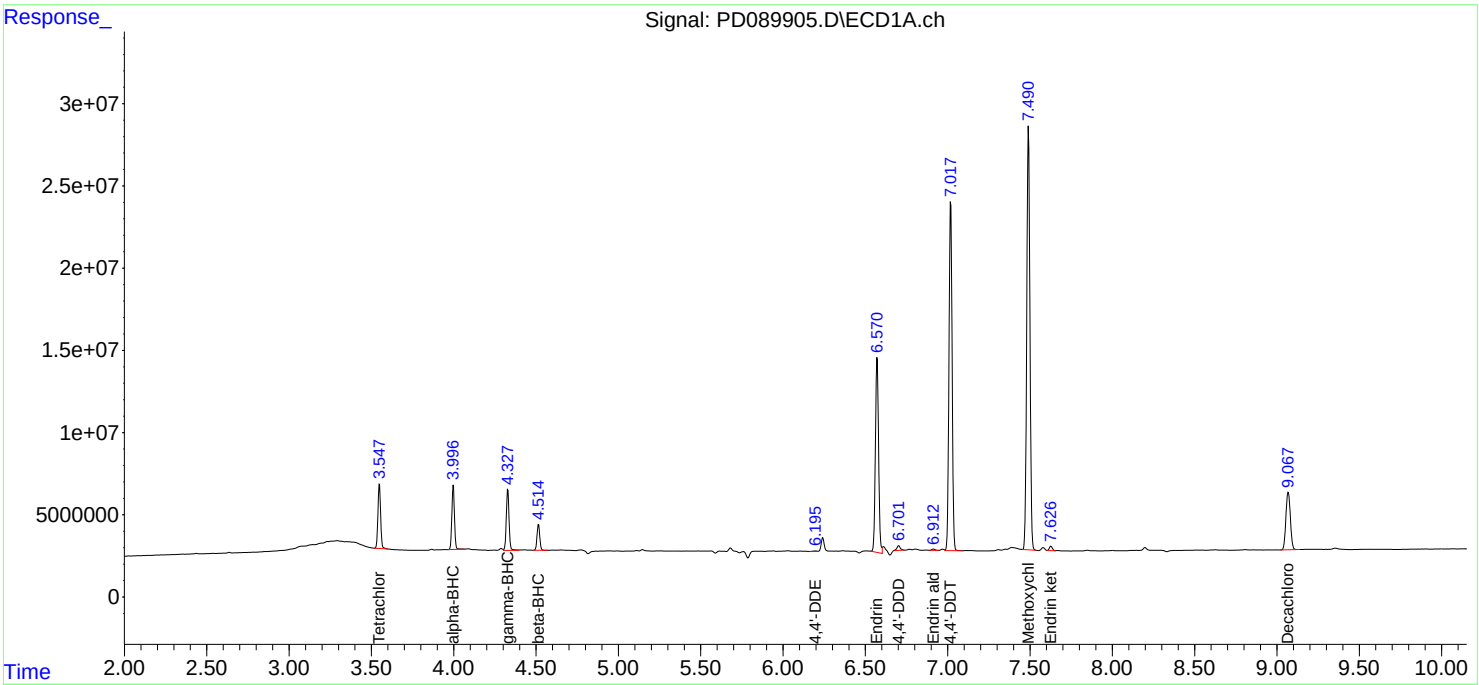
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

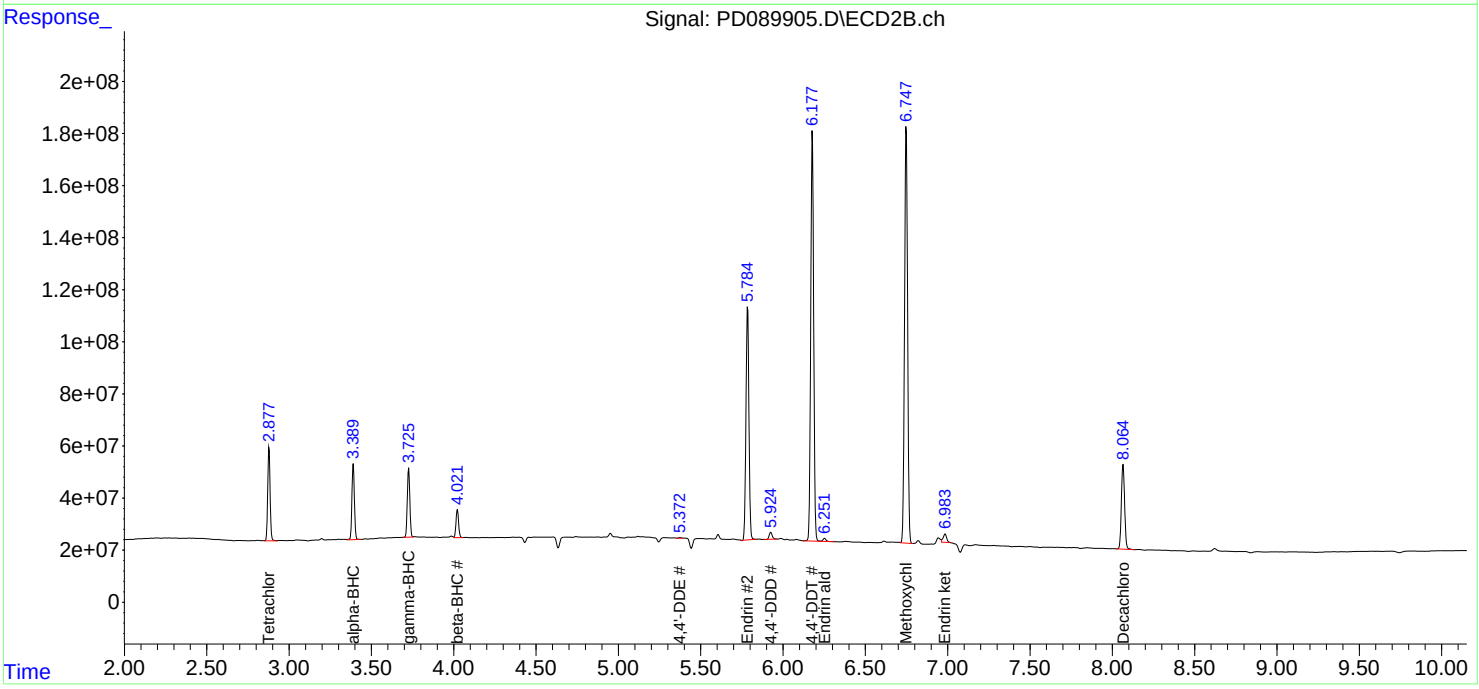
Instrument :
ECD_D
ClientSampleId :
PEM

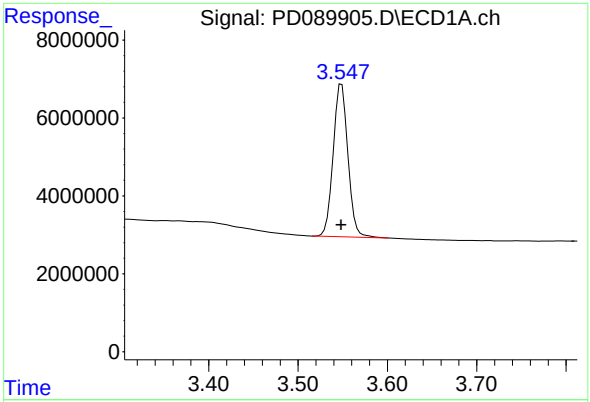
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:00 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







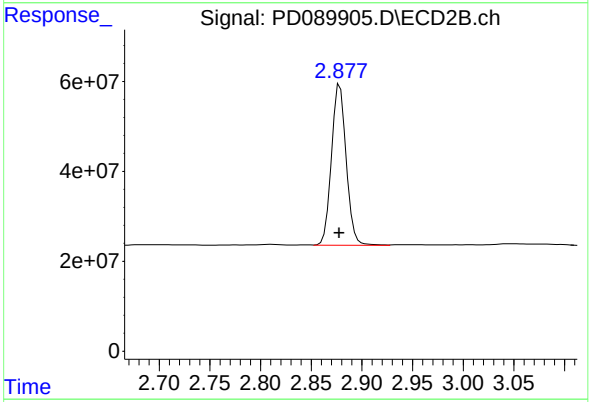
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 44858826
Conc: 18.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

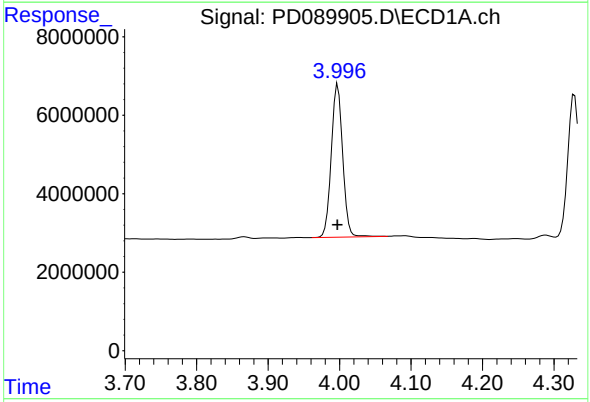
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



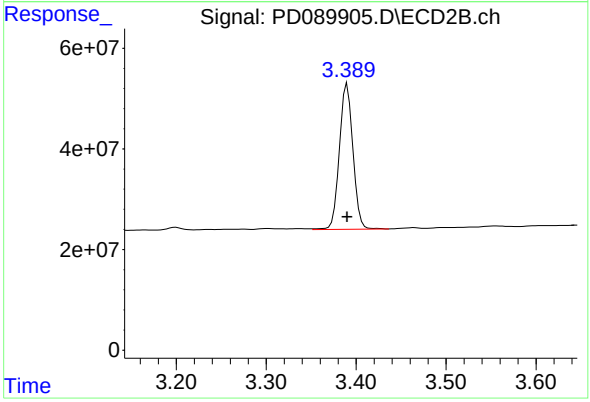
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 363085697
Conc: 22.93 ng/ml



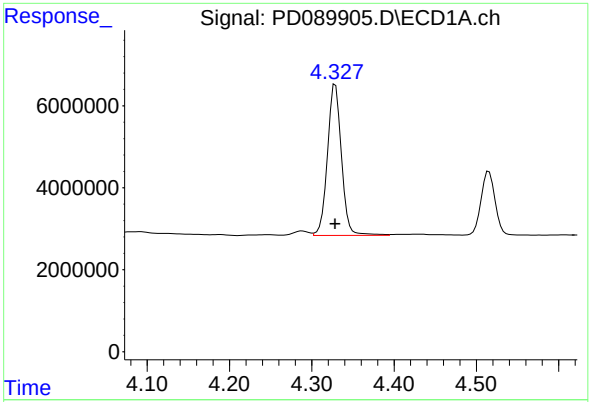
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 43068367
Conc: 8.69 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 303018960
Conc: 12.47 ng/ml



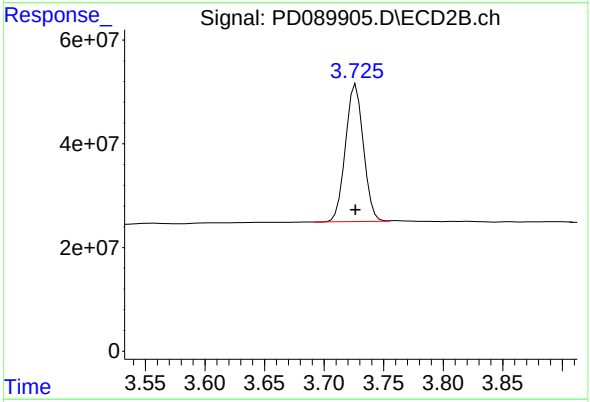
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 43629196
Conc: 9.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

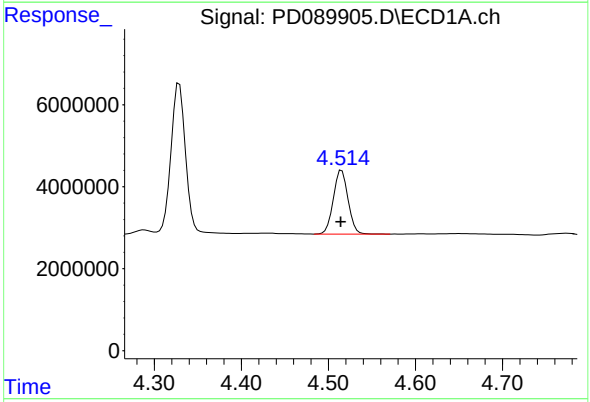
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



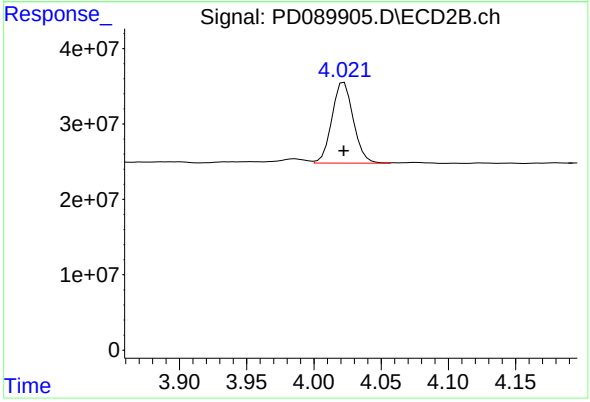
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 277538653
Conc: 12.32 ng/ml



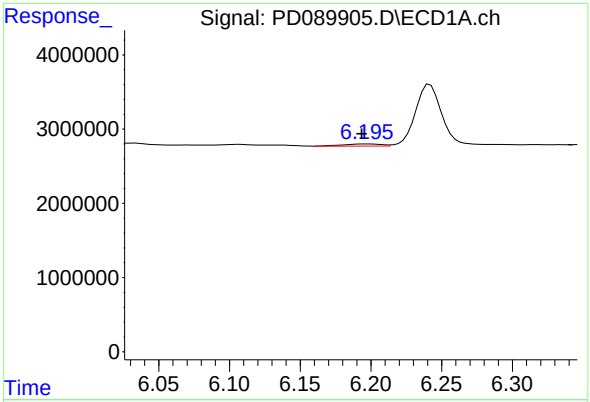
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 18260050
Conc: 9.90 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 118444941
Conc: 12.28 ng/ml



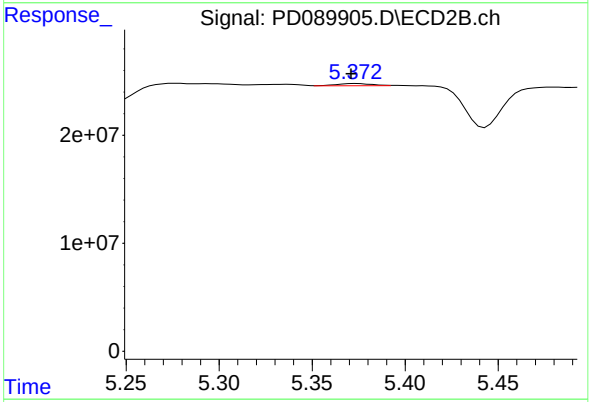
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.002 min
Response: 573434
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

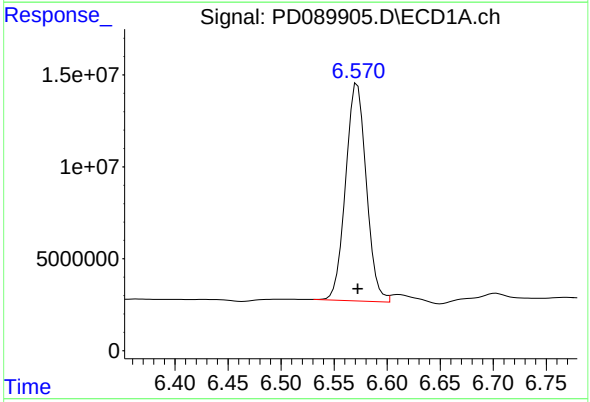
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 08/19/2025



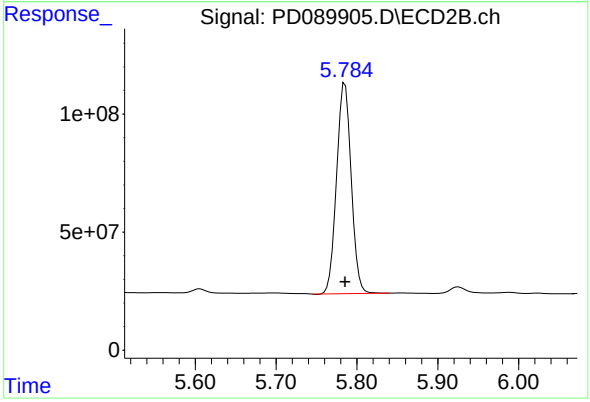
#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 2578539
Conc: 0.12 ng/ml m



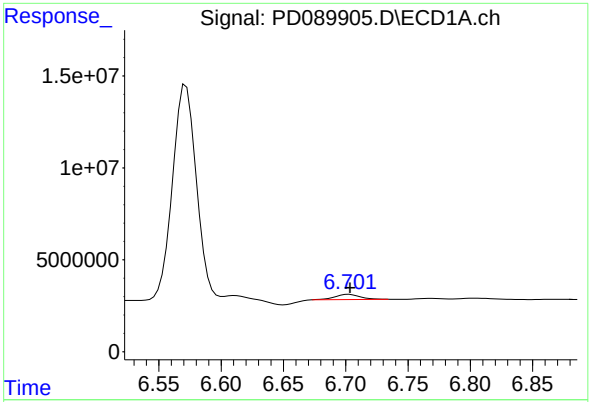
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 160321551
Conc: 44.81 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1118978425
Conc: 56.16 ng/ml



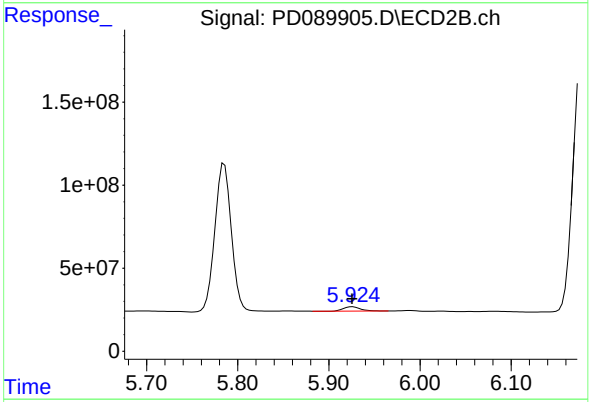
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 3920028
Conc: 1.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

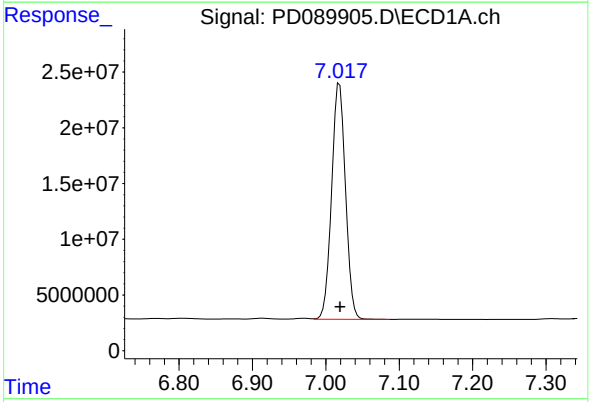
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



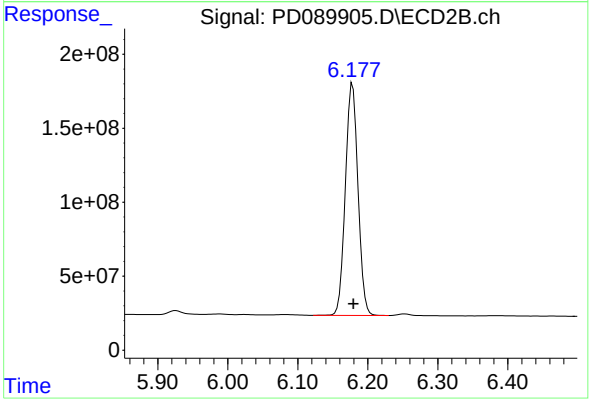
#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 33503146
Conc: 1.90 ng/ml



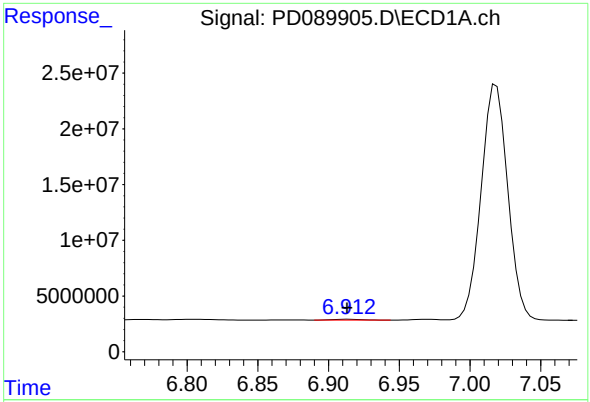
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 278336859
Conc: 82.83 ng/ml



#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 1969146892
Conc: 107.18 ng/ml



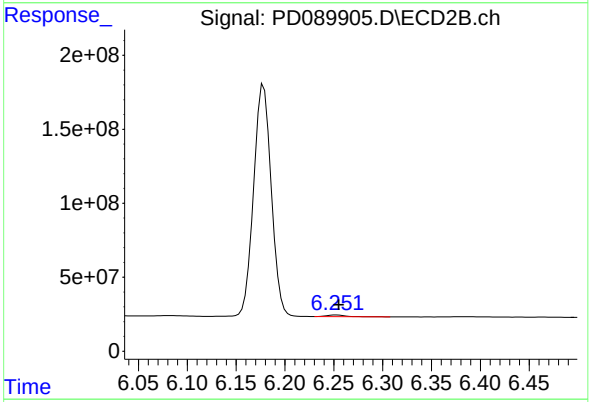
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 1169912
Conc: 0.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

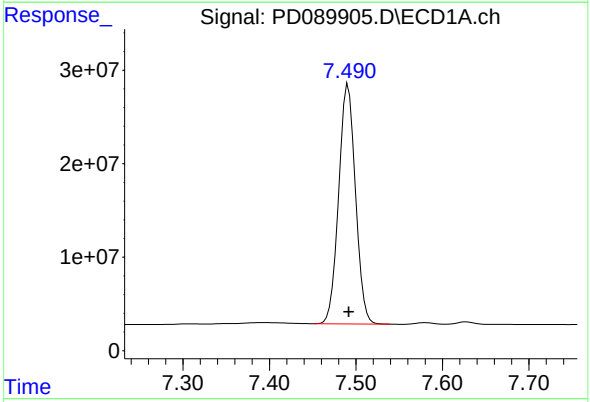
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



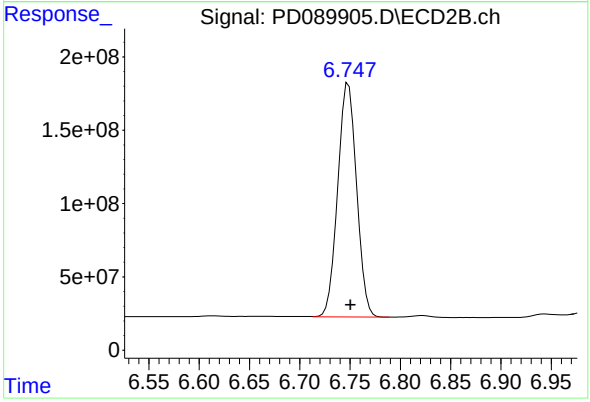
#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.003 min
Response: 14986496
Conc: 1.16 ng/ml



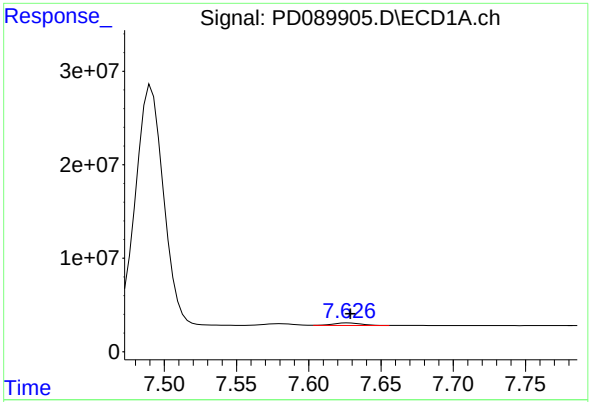
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 343447536
Conc: 192.09 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 2079134132
Conc: 212.25 ng/ml



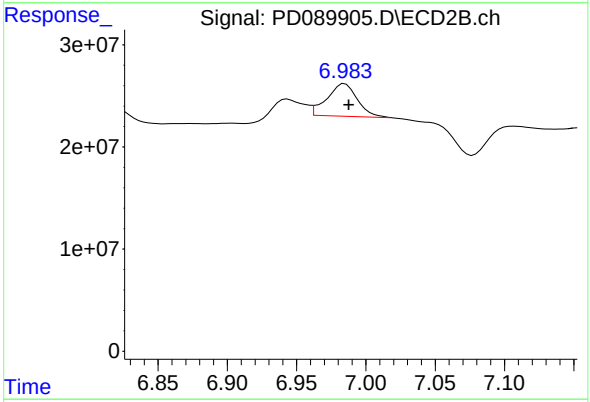
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.003 min
Response: 3586671
Conc: 0.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

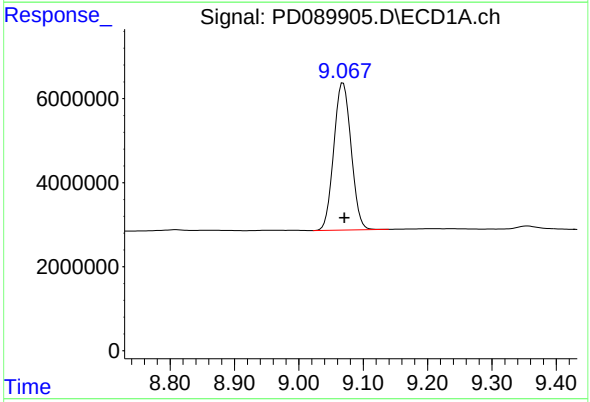
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



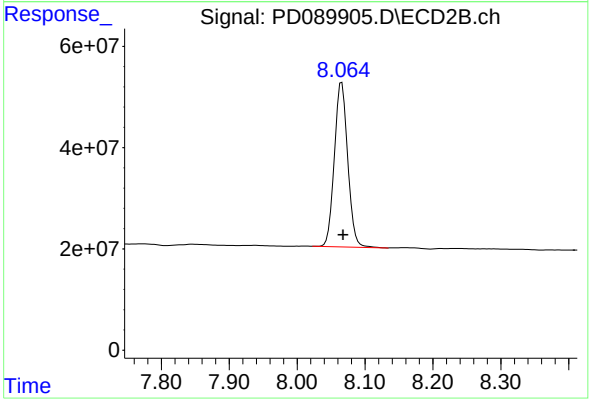
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.004 min
Response: 47878958
Conc: 2.39 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 65545586
Conc: 17.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 444643015
Conc: 22.15 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

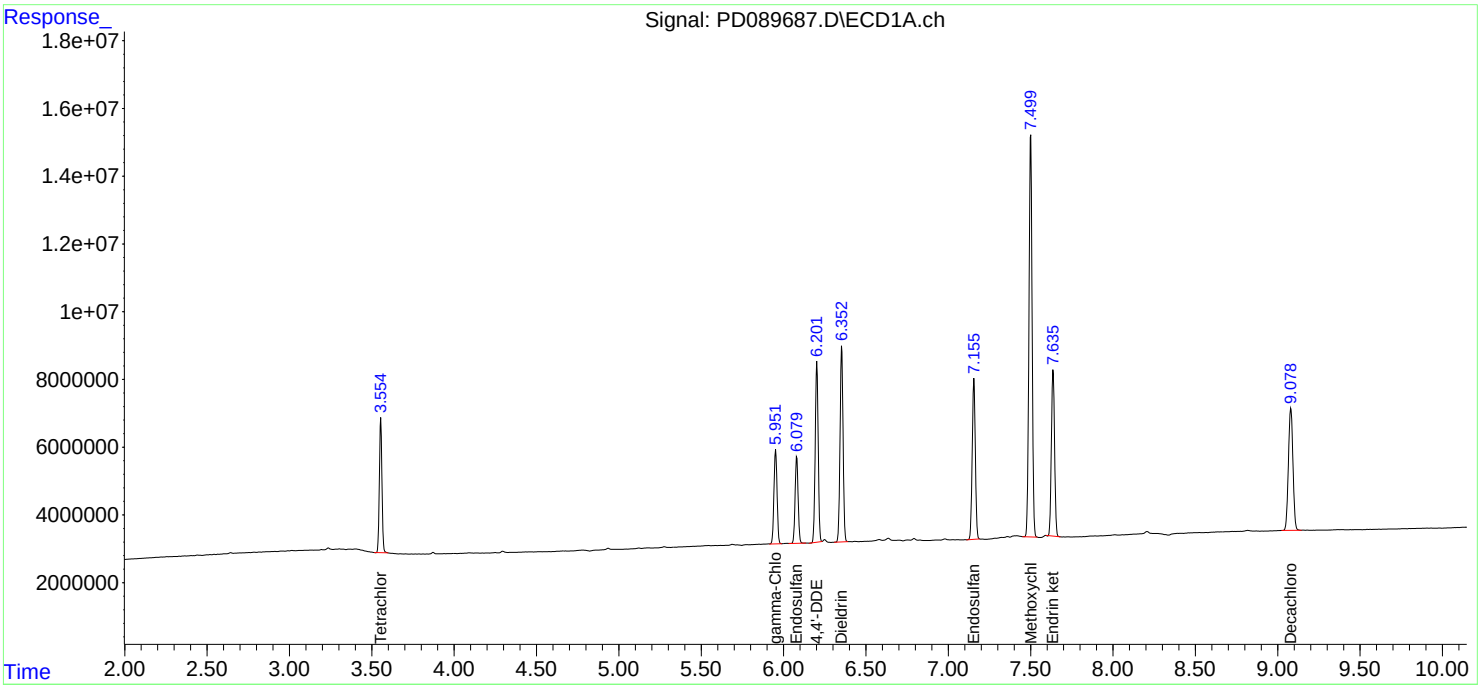
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

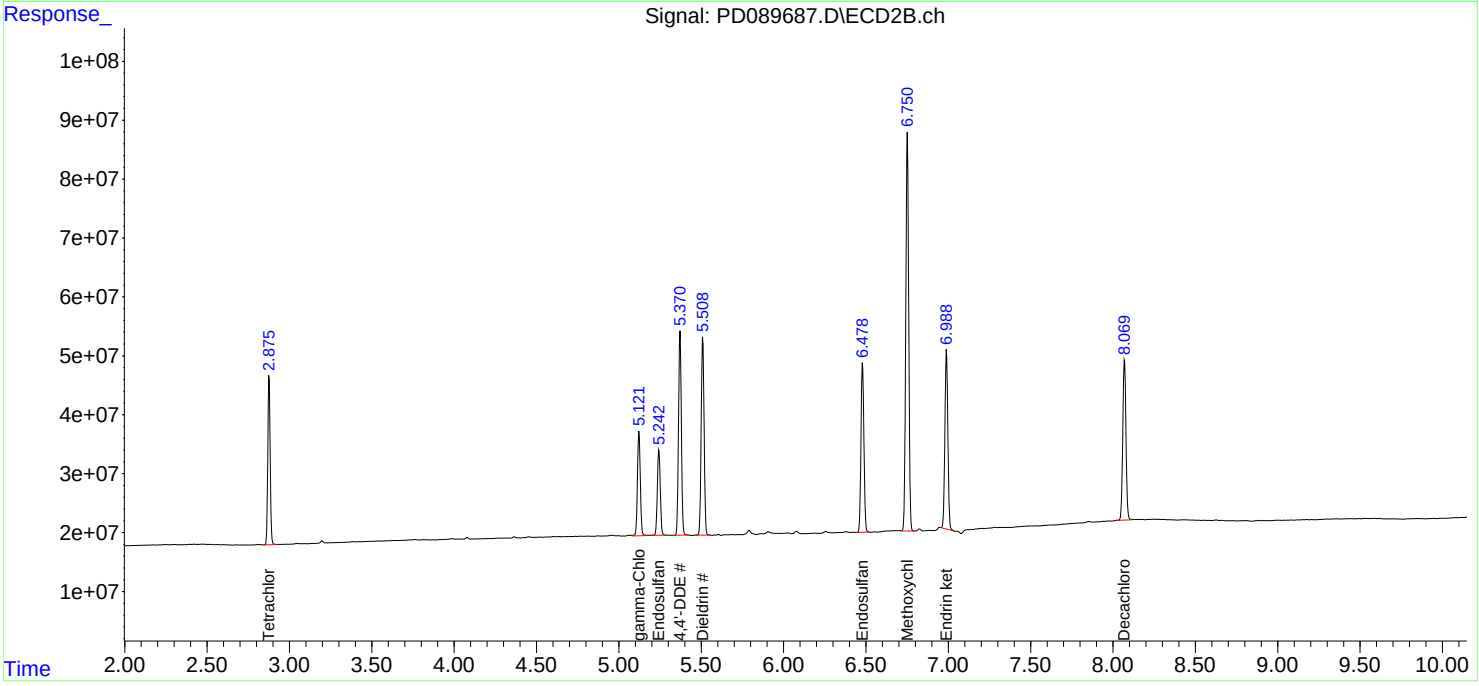
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:34
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

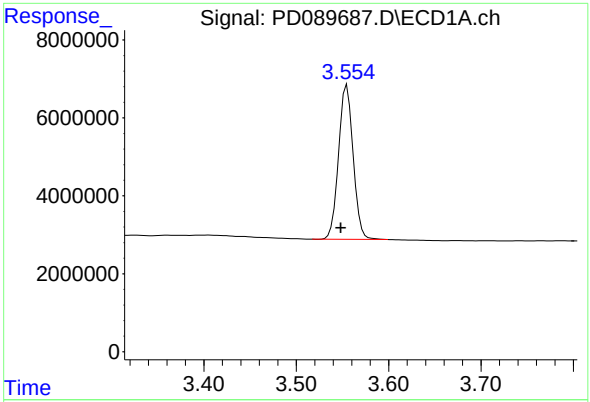
Instrument :
ECD_D
ClientSampleId :
RESCHK

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



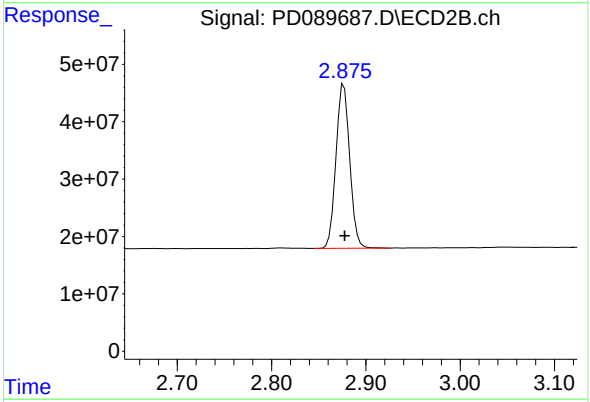




#1 Tetrachloro-m-xylene

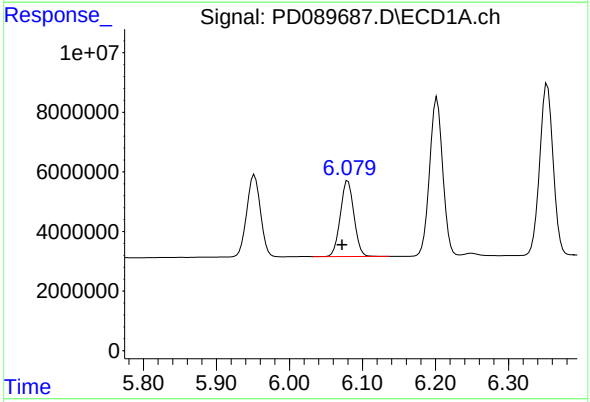
R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 43497342
Conc: 17.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



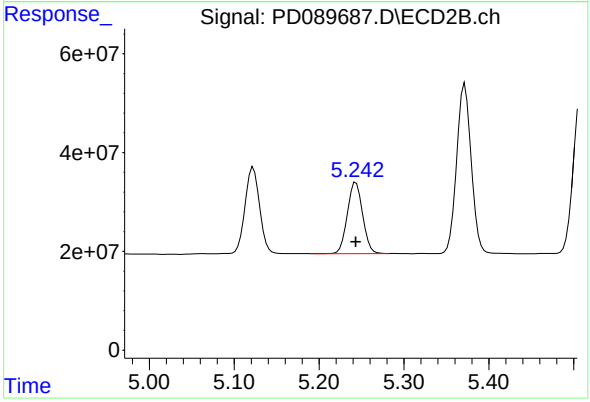
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 289618858
Conc: 18.29 ng/ml



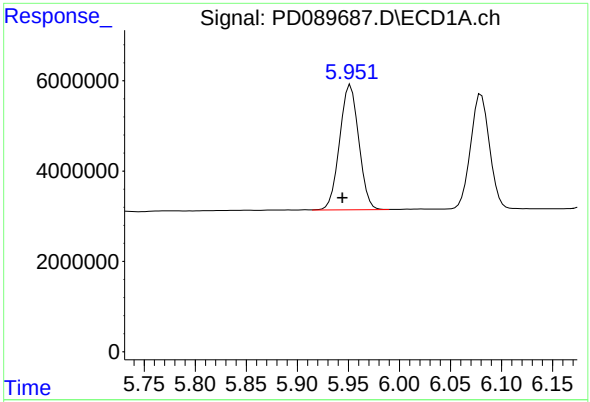
#9 Endosulfan I

R.T.: 6.080 min
Delta R.T.: 0.008 min
Response: 32929310
Conc: 8.31 ng/ml



#9 Endosulfan I

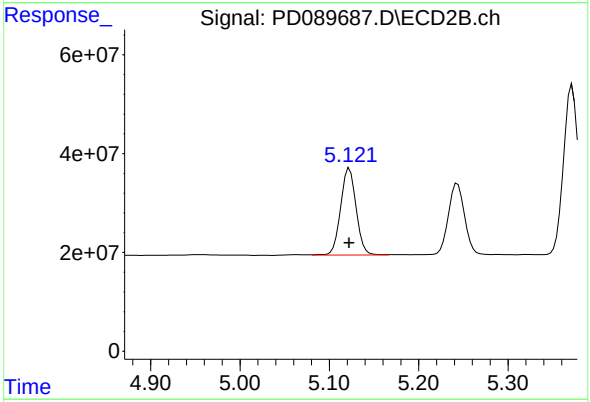
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 180827207
Conc: 9.25 ng/ml



#10 gamma-Chlordane

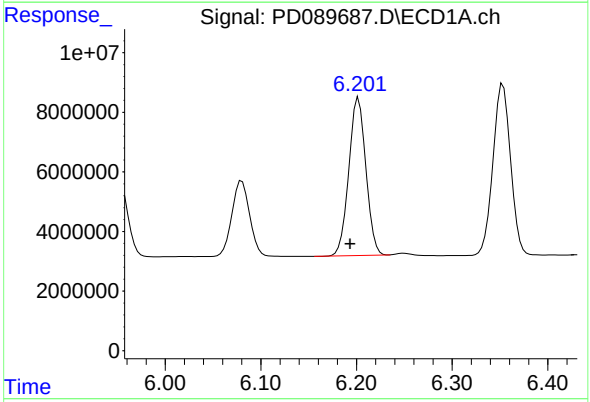
R.T.: 5.952 min
Delta R.T.: 0.008 min
Response: 36168921
Conc: 8.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



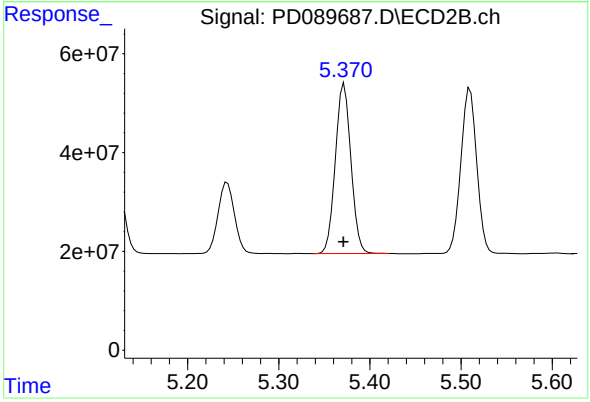
#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 211952045
Conc: 9.79 ng/ml



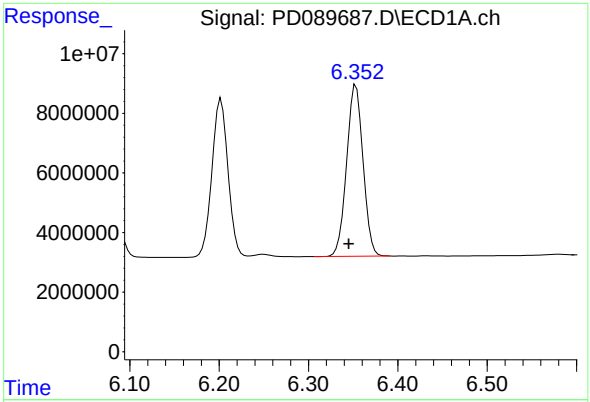
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.009 min
Response: 65872916
Conc: 17.66 ng/ml



#12 4,4'-DDE

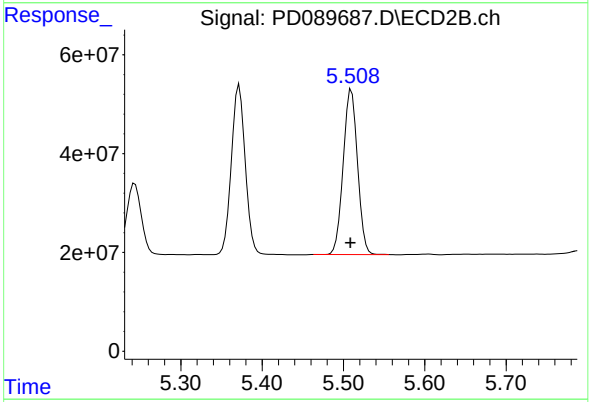
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 408894440
Conc: 19.34 ng/ml



#13 Dieldrin

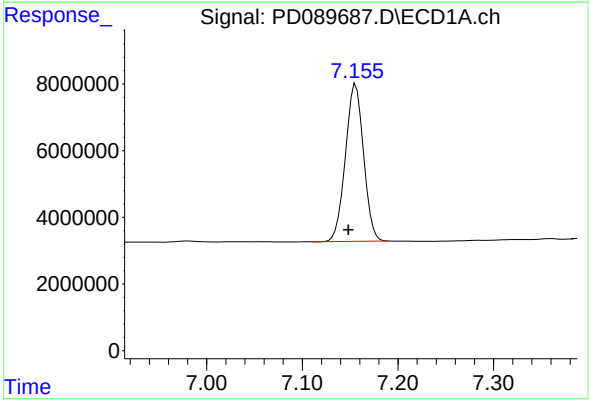
R.T.: 6.353 min
Delta R.T.: 0.008 min
Response: 73492529
Conc: 17.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



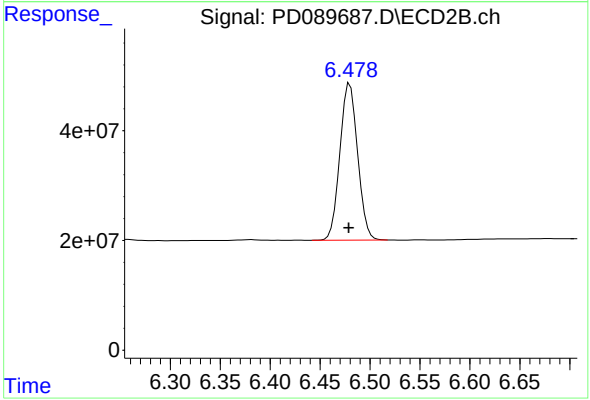
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.001 min
Response: 408173177
Conc: 18.86 ng/ml



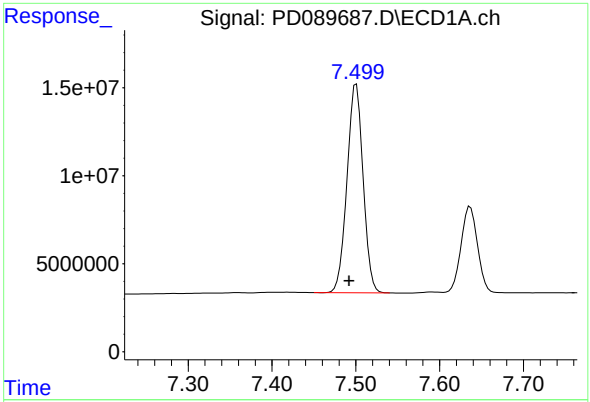
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.008 min
Response: 62490576
Conc: 18.01 ng/ml



#19 Endosulfan Sulfate

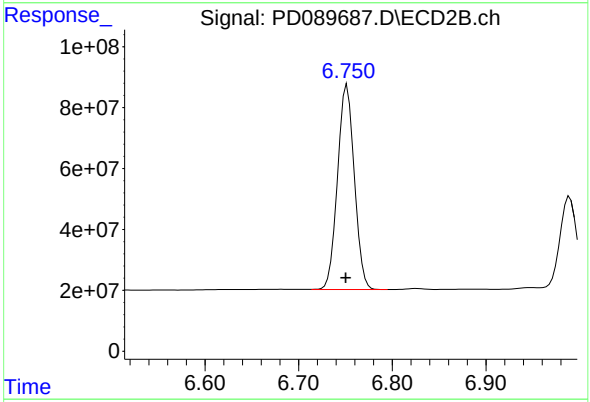
R.T.: 6.480 min
Delta R.T.: 0.001 min
Response: 353740083
Conc: 19.05 ng/ml



#20 Methoxychlor

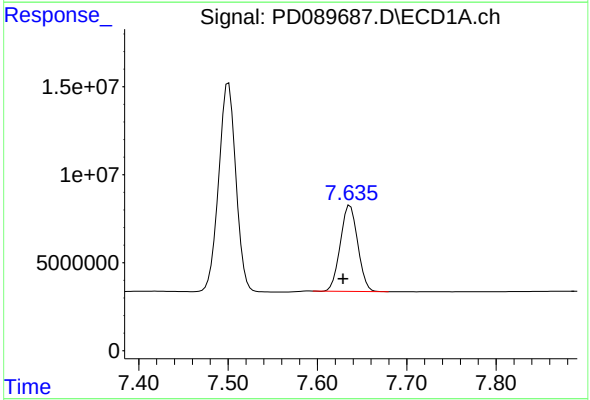
R.T.: 7.501 min
Delta R.T.: 0.009 min
Response: 158727415
Conc: 88.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



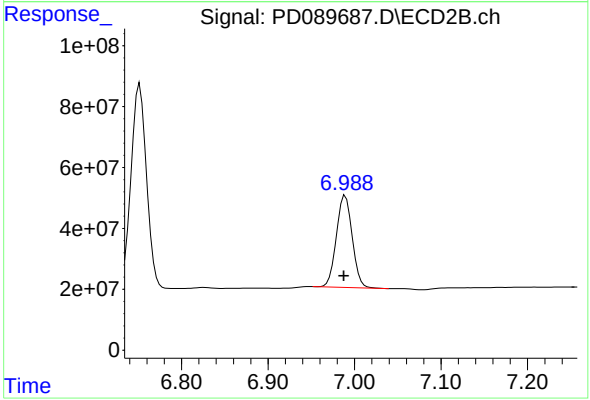
#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: 0.001 min
Response: 839734343
Conc: 85.73 ng/ml



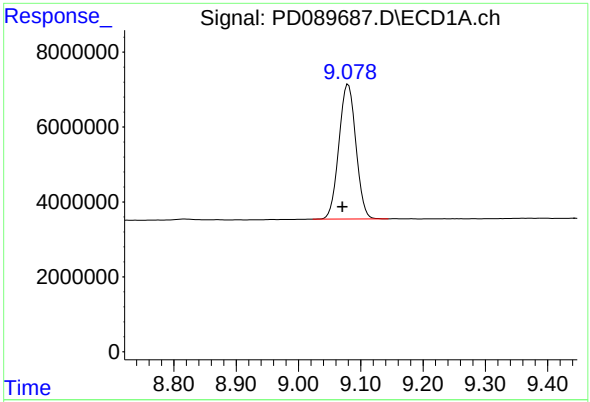
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.008 min
Response: 66017266
Conc: 17.77 ng/ml



#21 Endrin ketone

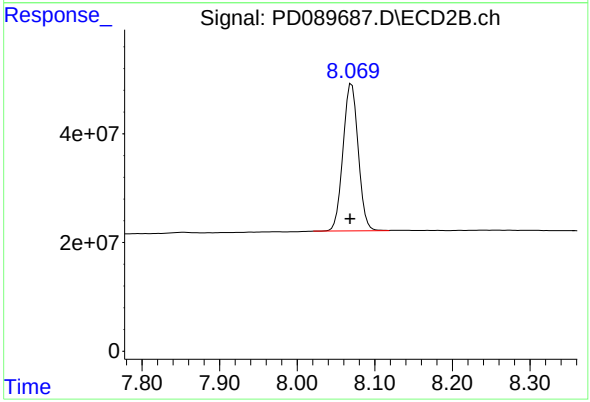
R.T.: 6.989 min
Delta R.T.: 0.002 min
Response: 381645681
Conc: 19.02 ng/ml



#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

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

Analytical Sequence

Client: First Environment, Inc. **SDG No.:** Q2820

Project: USACE018-44 DOD **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
I.BLK	I.BLK	08/12/2025	15:22	PD089862.D	9.07	3.55
PEM	PEM	08/12/2025	15:35	PD089863.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/12/2025	16:05	PD089864.D	9.07	3.55
PB169206BL	PB169206BL	08/12/2025	16:33	PD089865.D	9.07	3.55
PB169206BS	PB169206BS	08/12/2025	16:47	PD089866.D	9.07	3.55
I.BLK	I.BLK	08/12/2025	18:50	PD089875.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/12/2025	20:12	PD089876.D	9.07	3.55
I.BLK	I.BLK	08/14/2025	12:05	PD089888.D	9.07	3.55
PEM	PEM	08/14/2025	12:19	PD089889.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/14/2025	12:52	PD089890.D	9.08	3.55
17M-WMS	Q2819-14MS	08/14/2025	14:14	PD089894.D	9.07	3.55
17M-WMSD	Q2819-14MSD	08/14/2025	14:28	PD089895.D	9.07	3.55
705R-S	Q2820-09	08/14/2025	14:41	PD089896.D	9.07	3.55
SOIL-DUP-2	Q2820-10	08/14/2025	14:55	PD089897.D	9.07	3.55
22M-S	Q2820-24	08/14/2025	15:09	PD089898.D	9.07	3.55
I.BLK	I.BLK	08/14/2025	15:50	PD089901.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/14/2025	17:10	PD089902.D	9.08	3.56
I.BLK	I.BLK	08/15/2025	09:37	PD089904.D	9.07	3.55
PEM	PEM	08/15/2025	09:51	PD089905.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/15/2025	10:04	PD089906.D	9.07	3.55
705R-SRE	Q2820-09RE	08/15/2025	11:02	PD089910.D	9.07	3.55
I.BLK	I.BLK	08/15/2025	13:12	PD089913.D	9.08	3.56
PSTDCCC050	PSTDCCC050	08/15/2025	13:53	PD089914.D	9.07	3.55

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

Analytical Sequence

Client: First Environment, Inc. **SDG No.:** Q2820

Project: USACE018-44 DOD **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
I.BLK	I.BLK	08/12/2025	15:22	PD089862.D	8.07	2.88
PEM	PEM	08/12/2025	15:35	PD089863.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/12/2025	16:05	PD089864.D	8.07	2.88
PB169206BL	PB169206BL	08/12/2025	16:33	PD089865.D	8.07	2.88
PB169206BS	PB169206BS	08/12/2025	16:47	PD089866.D	8.07	2.88
I.BLK	I.BLK	08/12/2025	18:50	PD089875.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/12/2025	20:12	PD089876.D	8.07	2.88
I.BLK	I.BLK	08/14/2025	12:05	PD089888.D	8.07	2.88
PEM	PEM	08/14/2025	12:19	PD089889.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/14/2025	12:52	PD089890.D	8.07	2.88
17M-WMS	Q2819-14MS	08/14/2025	14:14	PD089894.D	8.07	2.88
17M-WMSD	Q2819-14MSD	08/14/2025	14:28	PD089895.D	8.07	2.88
705R-S	Q2820-09	08/14/2025	14:41	PD089896.D	8.07	2.88
SOIL-DUP-2	Q2820-10	08/14/2025	14:55	PD089897.D	8.07	2.88
22M-S	Q2820-24	08/14/2025	15:09	PD089898.D	8.07	2.88
I.BLK	I.BLK	08/14/2025	15:50	PD089901.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/14/2025	17:10	PD089902.D	8.07	2.88
I.BLK	I.BLK	08/15/2025	09:37	PD089904.D	8.07	2.88
PEM	PEM	08/15/2025	09:51	PD089905.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/15/2025	10:04	PD089906.D	8.07	2.88
705R-SRE	Q2820-09RE	08/15/2025	11:02	PD089910.D	8.07	2.88
I.BLK	I.BLK	08/15/2025	13:12	PD089913.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/15/2025	13:53	PD089914.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMS

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: Q2819-14MS **Date(s) Analyzed:** 08/14/2025 08/14/2025

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
Endosulfan II	1	6.79	6.74	6.84	21.8	128.4
	2	6.08	6.03	6.13	100	
4,4'-DDD	1	6.70	6.65	6.75	16.3	4.4
	2	5.93	5.88	5.98	15.6	
4,4'-DDT	1	7.02	6.97	7.07	23.7	30.4
	2	6.18	6.13	6.23	32.2	
Endosulfan sulfate	1	7.15	7.10	7.20	20.3	4.8
	2	6.48	6.43	6.53	21.3	
alpha-BHC	1	4.00	3.95	4.05	20.0	13.1
	2	3.39	3.34	3.44	22.8	
Aldrin	1	5.26	5.21	5.31	14.7	55.2
	2	4.37	4.32	4.42	25.9	
beta-BHC	1	4.52	4.47	4.57	19.1	17.7
	2	4.02	3.97	4.07	22.8	
delta-BHC	1	4.76	4.71	4.81	19.3	18.8
	2	4.26	4.21	4.31	23.3	
Endosulfan I	1	6.07	6.02	6.12	19.2	21
	2	5.24	5.19	5.29	23.7	
alpha-Chlordane	1	6.03	5.98	6.08	384	50.2
	2	5.18	5.13	5.23	230	
4,4'-DDE	1	6.19	6.14	6.24	30.5	15.2
	2	5.37	5.32	5.42	26.2	
Dieldrin	1	6.35	6.30	6.40	20.3	19.6
	2	5.51	5.46	5.56	24.7	
Endrin aldehyde	1	6.91	6.86	6.96	21.1	8.2
	2	6.26	6.21	6.31	22.9	
Methoxychlor	1	7.49	7.44	7.54	14.6	27.2
	2	6.75	6.70	6.80	19.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMS

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: Q2819-14MS **Date(s) Analyzed:** 08/14/2025 08/14/2025

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
Endrin ketone	1	7.63	7.58	7.68	16.5	24
	2	6.99	6.94	7.04	21.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.3	17.1
	2	3.73	3.68	3.78	22.9	
Heptachlor	1	4.93	4.88	4.98	19.2	13.6
	2	4.08	4.03	4.13	22.0	
Heptachlor epoxide	1	5.68	5.63	5.73	26.6	16.6
	2	4.87	4.82	4.92	31.4	
gamma-Chlordane	1	5.94	5.89	5.99	327	49.6
	2	5.13	5.08	5.18	197	
Endrin	1	6.57	6.52	6.62	16.9	68.2
	2	5.79	5.74	5.84	34.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMSD

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: Q2819-14MSD **Date(s) Analyzed:** 08/14/2025 08/14/2025

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
Aldrin	1	5.26	5.21	5.31	24.7	4
	2	4.37	4.32	4.42	25.7	
beta-BHC	1	4.52	4.47	4.57	19.0	18.2
	2	4.02	3.97	4.07	22.8	
delta-BHC	1	4.76	4.71	4.81	19.5	18.6
	2	4.26	4.21	4.31	23.5	
Heptachlor epoxide	1	5.68	5.63	5.73	28.8	8
	2	4.87	4.82	4.92	31.2	
Endosulfan I	1	6.07	6.02	6.12	19.1	17.7
	2	5.24	5.19	5.29	16.0	
gamma-Chlordane	1	5.95	5.90	6.00	325	50
	2	5.13	5.08	5.18	195	
alpha-Chlordane	1	6.03	5.98	6.08	383	49.5
	2	5.18	5.13	5.23	231	
4,4'-DDE	1	6.19	6.14	6.24	30.1	15.8
	2	5.37	5.32	5.42	25.7	
Dieldrin	1	6.35	6.30	6.40	20.3	19.6
	2	5.51	5.46	5.56	24.7	
Endrin	1	6.57	6.52	6.62	15.3	76.6
	2	5.79	5.74	5.84	34.3	
Endosulfan II	1	6.79	6.74	6.84	21.7	129.3
	2	6.09	6.04	6.14	101	
4,4'-DDD	1	6.70	6.65	6.75	16.8	35.3
	2	5.92	5.87	5.97	24.0	
4,4'-DDT	1	7.02	6.97	7.07	24.7	29.7
	2	6.18	6.13	6.23	33.3	
Endrin aldehyde	1	6.91	6.86	6.96	22.2	6.5
	2	6.26	6.21	6.31	23.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMSD

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: Q2819-14MSD **Date(s) Analyzed:** 08/14/2025 08/14/2025

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
Endosulfan sulfate	1	7.15	7.10	7.20	20.4	6.6
	2	6.48	6.43	6.53	21.8	
Methoxychlor	1	7.49	7.44	7.54	17.3	16.9
	2	6.75	6.70	6.80	20.5	
Endrin ketone	1	7.63	7.58	7.68	17.0	23.8
	2	6.99	6.94	7.04	21.6	
alpha-BHC	1	4.00	3.95	4.05	19.9	13.1
	2	3.39	3.34	3.44	22.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.2	18
	2	3.73	3.68	3.78	23.0	
Heptachlor	1	4.93	4.88	4.98	19.9	14
	2	4.08	4.03	4.13	22.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

22M-S

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: Q2820-24 **Date(s) Analyzed:** 08/14/2025 08/14/2025

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
Heptachlor epoxide	1	5.69	5.64	5.74	0.46	82
	2	4.87	4.82	4.92	1.10	
gamma-Chlordane	1	5.94	5.89	5.99	1.40	0
	2	5.12	5.07	5.17	1.40	
alpha-Chlordane	1	6.03	5.98	6.08	3.00	44.9
	2	5.19	5.14	5.24	1.90	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

705R-S

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: Q2820-09 **Date(s) Analyzed:** 08/14/2025 08/14/2025

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'-DDD	1	6.70	6.65	6.75	3.30	26.3
	2	5.93	5.88	5.98	4.30	
4,4'-DDE	1	6.19	6.14	6.24	1.10	24
	2	5.37	5.32	5.42	1.40	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

705R-SRE

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: Q2820-09RE **Date(s) Analyzed:** 08/15/2025 08/15/2025

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'-DDD	1	6.70	6.65	6.75	3.30	26.3
	2	5.92	5.87	5.97	4.30	
4,4'-DDE	1	6.19	6.14	6.24	1.10	24
	2	5.37	5.32	5.42	1.40	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169206BS

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: PB169206BS **Date(s) Analyzed:** 08/12/2025 08/12/2025

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'-DDD	1	6.70	6.65	6.75	16.1	22.1
	2	5.92	5.87	5.97	20.1	
4,4'-DDE	1	6.19	6.14	6.24	15.5	19.8
	2	5.37	5.32	5.42	18.9	
4,4'-DDT	1	7.02	6.97	7.07	13.0	26.1
	2	6.18	6.13	6.23	16.9	
alpha-BHC	1	4.00	3.95	4.05	15.8	16.8
	2	3.39	3.34	3.44	18.7	
Aldrin	1	5.27	5.22	5.32	15.7	18
	2	4.36	4.31	4.41	18.8	
alpha-Chlordane	1	6.02	5.97	6.07	15.4	20.4
	2	5.19	5.14	5.24	18.9	
Endosulfan II	1	6.78	6.73	6.83	15.0	22.5
	2	6.08	6.03	6.13	18.8	
Endosulfan sulfate	1	7.15	7.10	7.20	14.8	21.1
	2	6.48	6.43	6.53	18.3	
beta-BHC	1	4.51	4.46	4.56	15.6	18.1
	2	4.02	3.97	4.07	18.7	
delta-BHC	1	4.76	4.71	4.81	16.1	16
	2	4.26	4.21	4.31	18.9	
Endosulfan I	1	6.07	6.02	6.12	15.4	19.4
	2	5.24	5.19	5.29	18.7	
Dieldrin	1	6.34	6.29	6.39	15.3	20.5
	2	5.51	5.46	5.56	18.8	
Endrin aldehyde	1	6.91	6.86	6.96	16.4	21.3
	2	6.25	6.20	6.30	20.3	
Methoxychlor	1	7.49	7.44	7.54	12.5	25.8
	2	6.75	6.70	6.80	16.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169206BS

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: PB169206BS **Date(s) Analyzed:** 08/12/2025 08/12/2025

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
Endrin ketone	1	7.63	7.58	7.68	15.3	24.1
	2	6.99	6.94	7.04	19.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.7	17.4
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	14.7	18.5
	2	4.08	4.03	4.13	17.7	
Heptachlor epoxide	1	5.69	5.64	5.74	15.4	18.8
	2	4.87	4.82	4.92	18.6	
gamma-Chlordane	1	5.94	5.89	5.99	15.5	19.8
	2	5.12	5.07	5.17	18.9	
Endrin	1	6.57	6.52	6.62	13.5	21.2
	2	5.78	5.73	5.83	16.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-DUP-2

Lab Name: Alliance **Contract:** FIRS02

Lab Code: ACE **SDG NO.:** Q2820

Lab Sample ID: Q2820-10 **Date(s) Analyzed:** 08/14/2025 08/14/2025

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'-DDD	1	6.70	6.65	6.75	1.40	6.9
	2	5.93	5.88	5.98	1.50	
4,4'-DDE	1	6.19	6.14	6.24	0.43	34.2
	2	5.37	5.32	5.42	0.61	

QC SAMPLE DATA

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169206BL	SDG No.:	Q2820
Lab Sample ID:	PB169206BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 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
PD089865.D	1	08/12/25 08:16	08/12/25 16:33	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.33	U	0.13	0.33	1.70	ug/kg
319-85-7	beta-BHC	0.83	U	0.18	0.83	1.70	ug/kg
319-86-8	delta-BHC	0.83	U	0.39	0.83	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.33	U	0.14	0.33	1.70	ug/kg
76-44-8	Heptachlor	0.33	U	0.12	0.33	1.70	ug/kg
309-00-2	Aldrin	0.33	U	0.12	0.33	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.83	U	0.19	0.83	1.70	ug/kg
959-98-8	Endosulfan I	0.33	U	0.14	0.33	1.70	ug/kg
60-57-1	Dieldrin	0.33	U	0.14	0.33	1.70	ug/kg
72-55-9	4,4-DDE	0.33	U	0.14	0.33	1.70	ug/kg
72-20-8	Endrin	0.33	U	0.14	0.33	1.70	ug/kg
33213-65-9	Endosulfan II	0.83	U	0.29	0.83	1.70	ug/kg
72-54-8	4,4-DDD	0.33	U	0.15	0.33	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.33	U	0.13	0.33	1.70	ug/kg
50-29-3	4,4-DDT	0.33	U	0.14	0.33	1.70	ug/kg
72-43-5	Methoxychlor	0.83	U	0.37	0.83	1.70	ug/kg
53494-70-5	Endrin ketone	0.83	U	0.19	0.83	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.83	U	0.37	0.83	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.33	U	0.12	0.33	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.33	U	0.15	0.33	1.70	ug/kg
8001-35-2	Toxaphene	17.0	U	5.40	17.0	33.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.7		55 - 130		113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.0		42 - 129		120%	SPK: 20

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169206BL	SDG No.:	Q2820
Lab Sample ID:	PB169206BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 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
PD089865.D	1	08/12/25 08:16	08/12/25 16:33	PB169206

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\PD081325\
Data File : PD089865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:33
Operator : AR\AJ
Sample : PB169206BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:45 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	46236397	379.5E6	18.745	23.962 #
28)	SA Decachlor...	9.068	8.065	71933652	455.6E6	19.356	22.693
	Target Compounds						

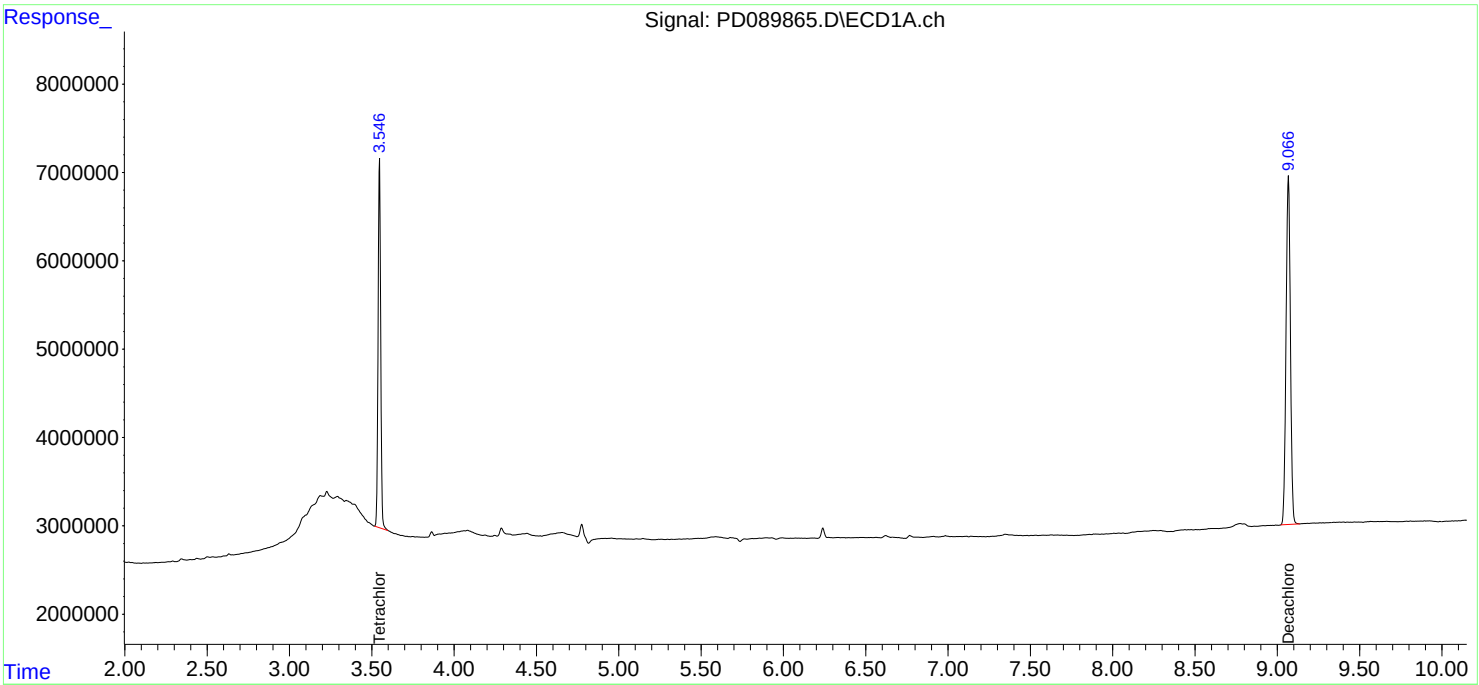
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

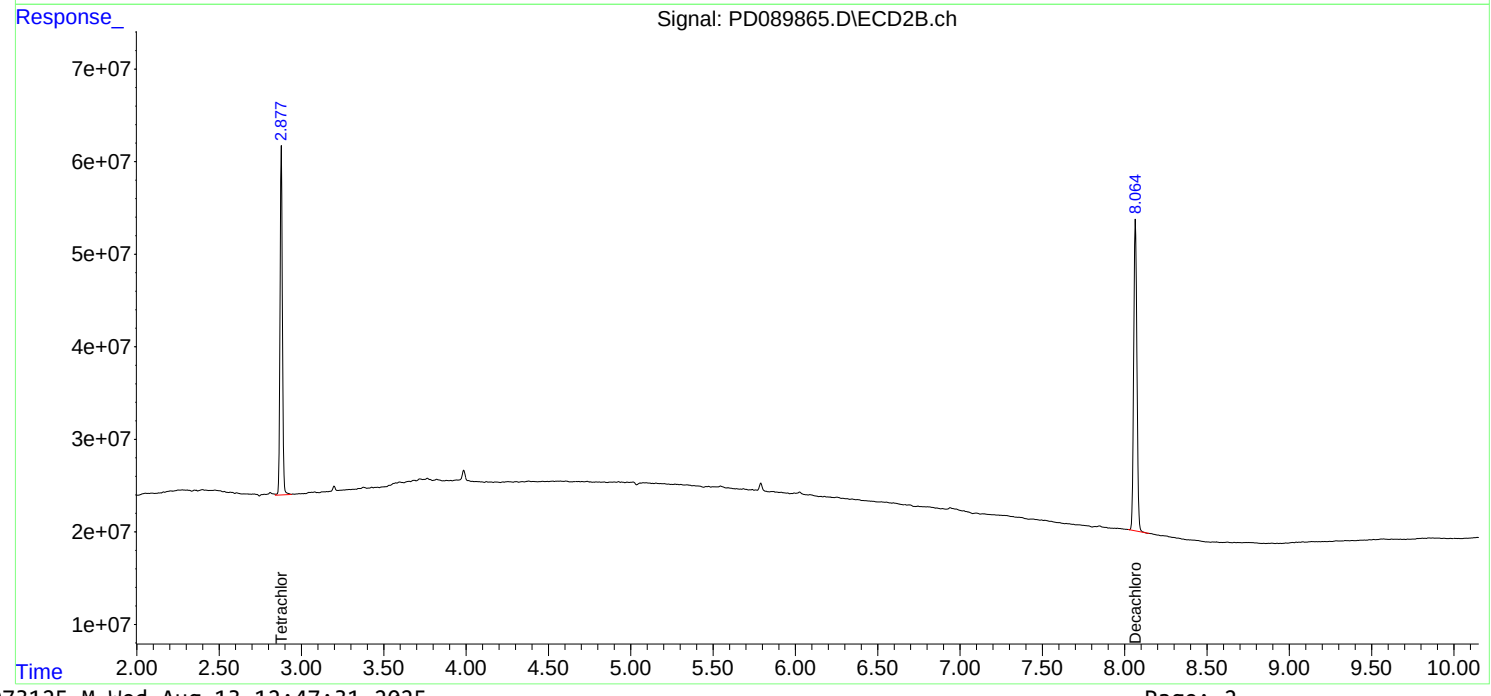
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:33
Operator : AR\AJ
Sample : PB169206BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

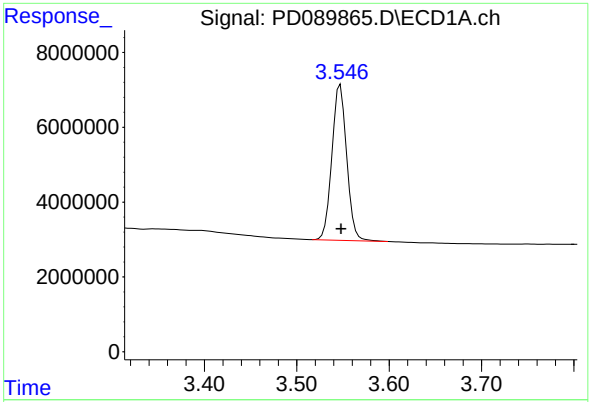
Instrument :
ECD_D
ClientSampleId :
PB169206BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:45 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



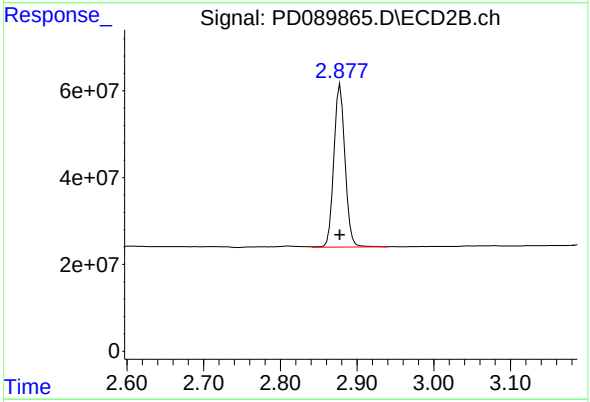




#1 Tetrachloro-m-xylene

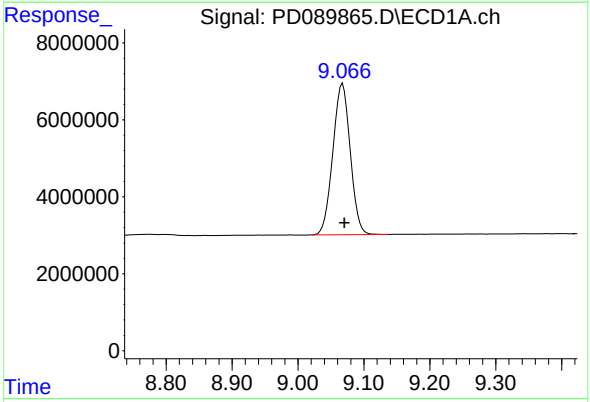
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 46236397
Conc: 18.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BL



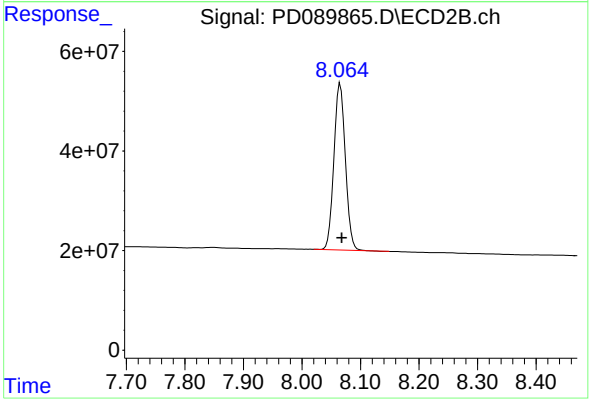
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 379502688
Conc: 23.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 71933652
Conc: 19.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 455636513
Conc: 22.69 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	07/31/25
Project:	USACE018-44 DOD	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2820
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	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/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

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	07/31/25
Project:	USACE018-44 DOD	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2820
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

Quantitation Report (QT Reviewed)

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						

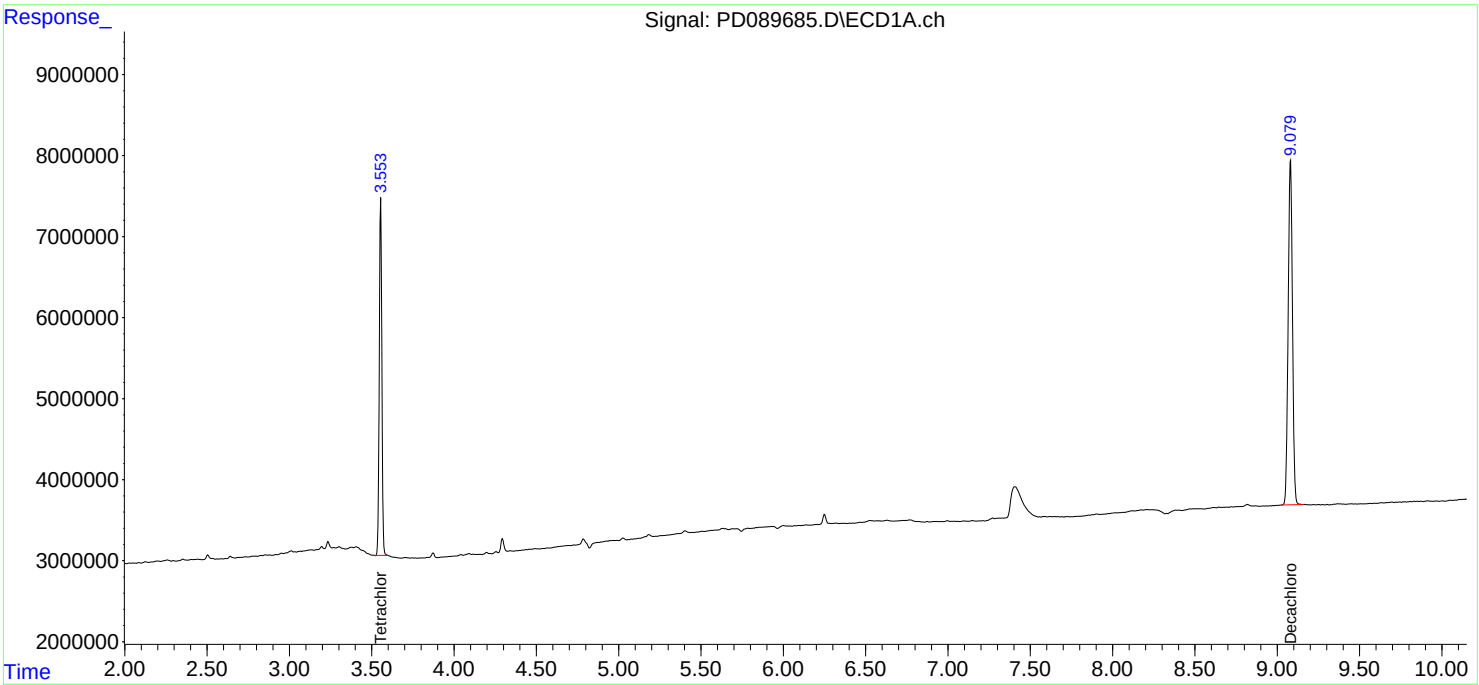
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

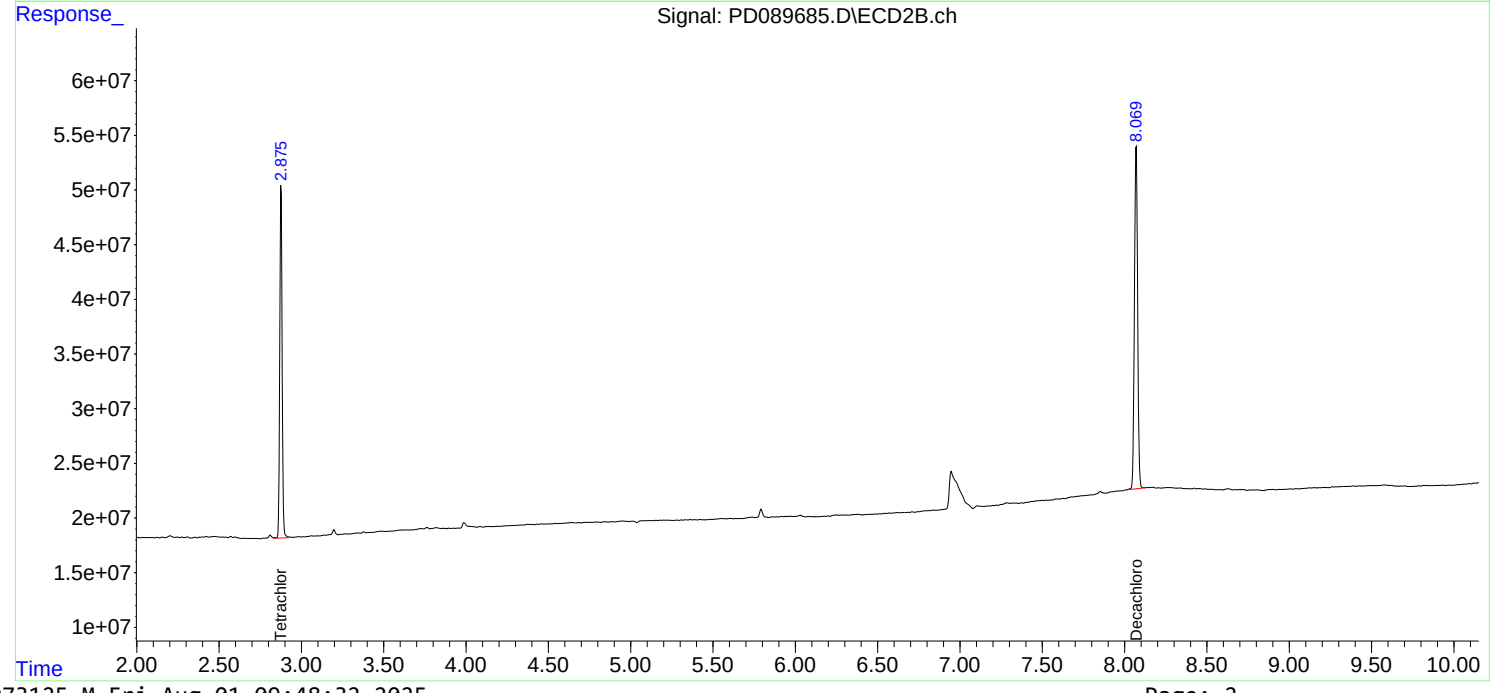
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

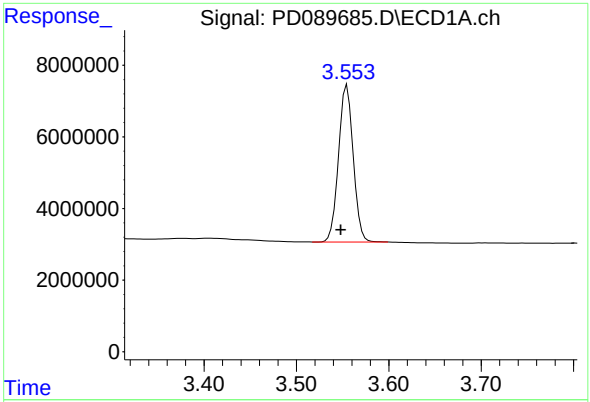
Instrument :
ECD_D
ClientSampleId :
I.BLK

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



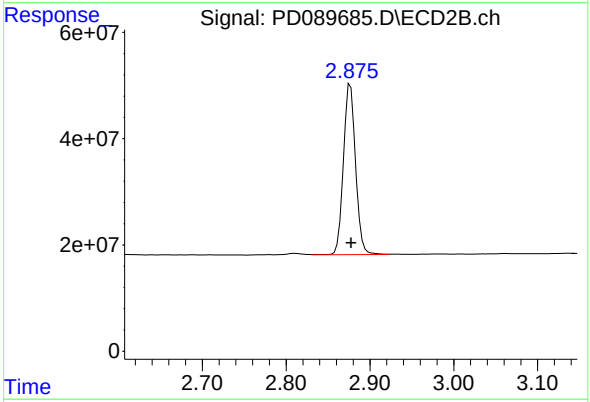




#1 Tetrachloro-m-xylene

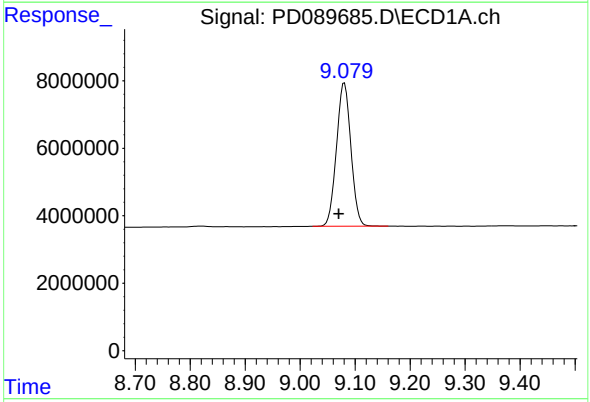
R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 48438502
Conc: 19.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



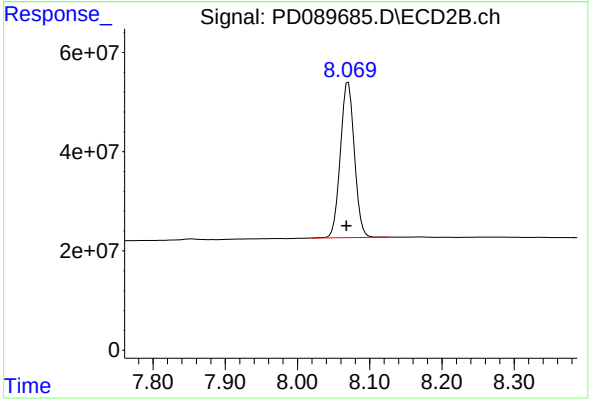
#1 Tetrachloro-m-xylene

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:	First Environment, Inc.	Date Collected:	08/12/25
Project:	USACE018-44 DOD	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089862.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089862.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
PD089862.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.5		30 - 135		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1	*	44 - 124		125%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/12/25
Project:	USACE018-44 DOD	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089862.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089862.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
PD089862.D	1		08/12/25	pd081325

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\PD081325\
Data File : PD089862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 15:22
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:06 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...	3.553	2.877	49387823	397.0E6	20.023	25.065 #
28)	SA Decachlor...	9.074	8.069	75302628	471.3E6	20.263	23.472
	Target Compounds						

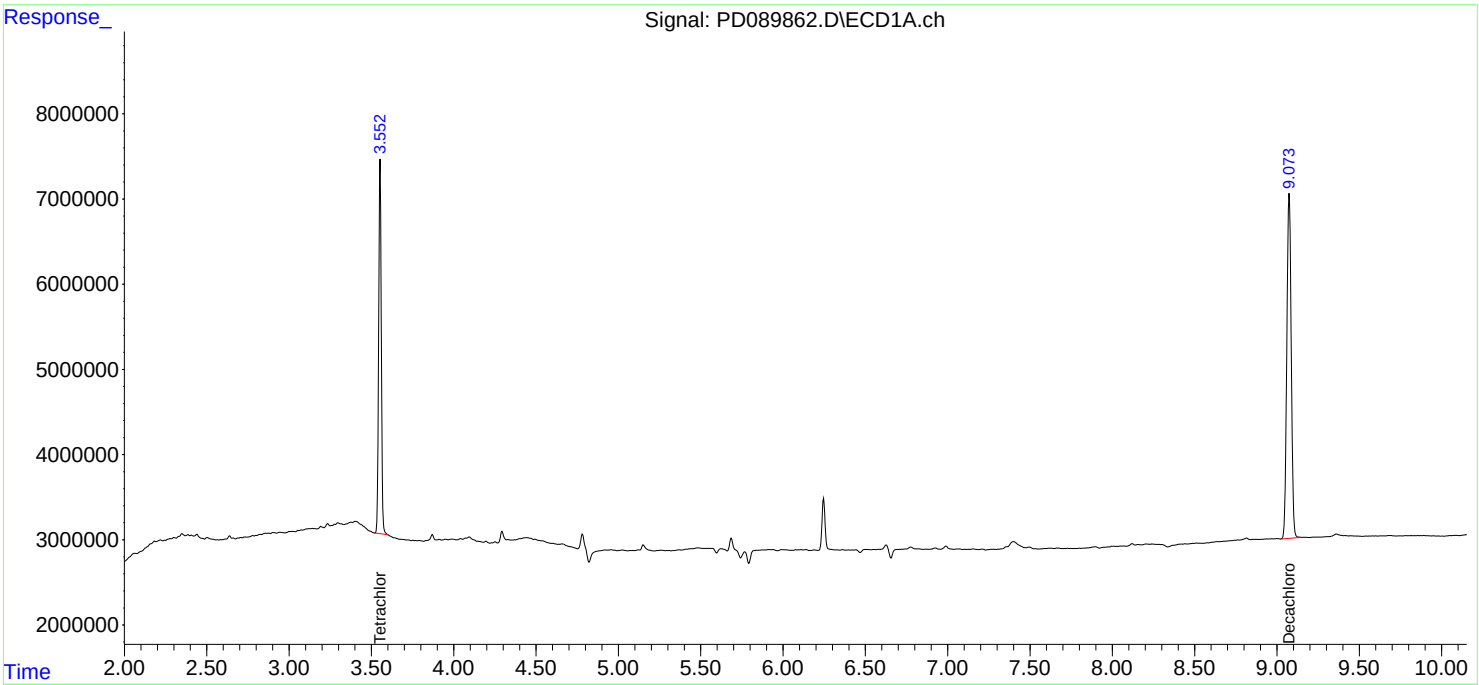
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

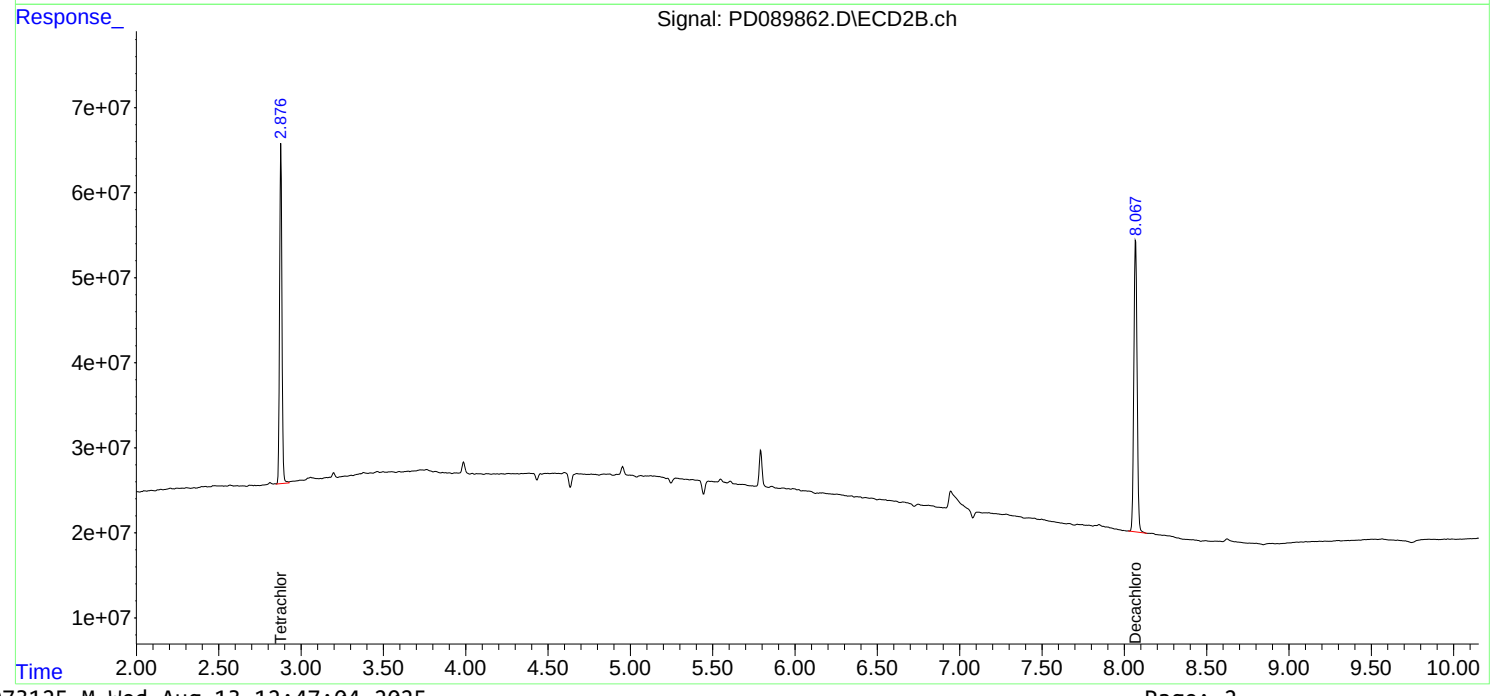
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 15:22
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

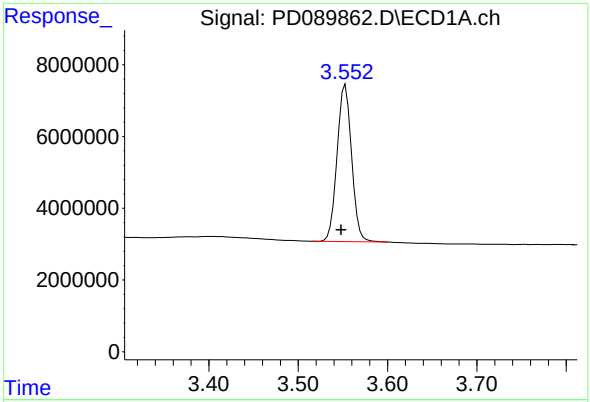
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:06 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 0.25µm



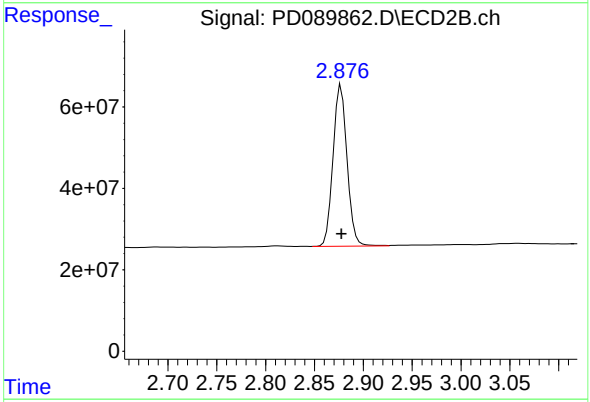




#1 Tetrachloro-m-xylene

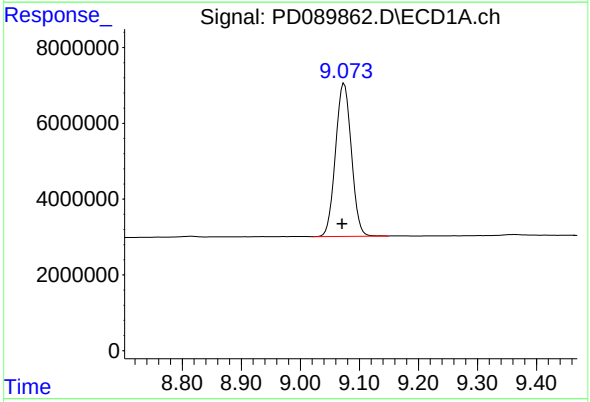
R.T.: 3.553 min
Delta R.T.: 0.005 min
Response: 49387823
Conc: 20.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



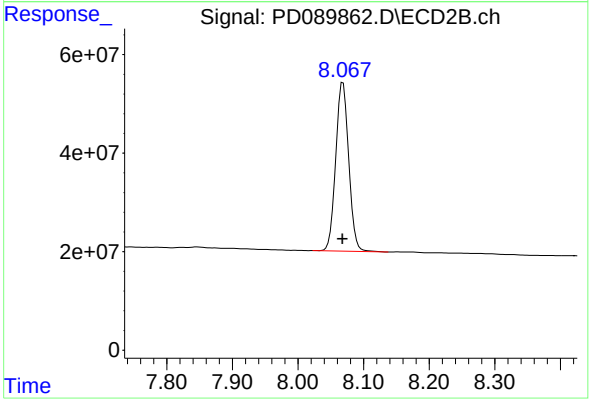
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 396976666
Conc: 25.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.004 min
Response: 75302628
Conc: 20.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 471275836
Conc: 23.47 ng/ml

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/12/25
Project:	USACE018-44 DOD	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089875.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089875.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
PD089875.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.9		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.0	*	44 - 124		125%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/12/25
Project:	USACE018-44 DOD	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089875.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089875.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
PD089875.D	1		08/12/25	pd081325

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\PD081325\
Data File : PD089875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 18:50
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 13 02:14:21 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	49296088	396.4E6	19.986	25.031 #
28)	SA Decachlor...	9.069	8.066	74480714	440.0E6	20.042	21.917
	Target Compounds						

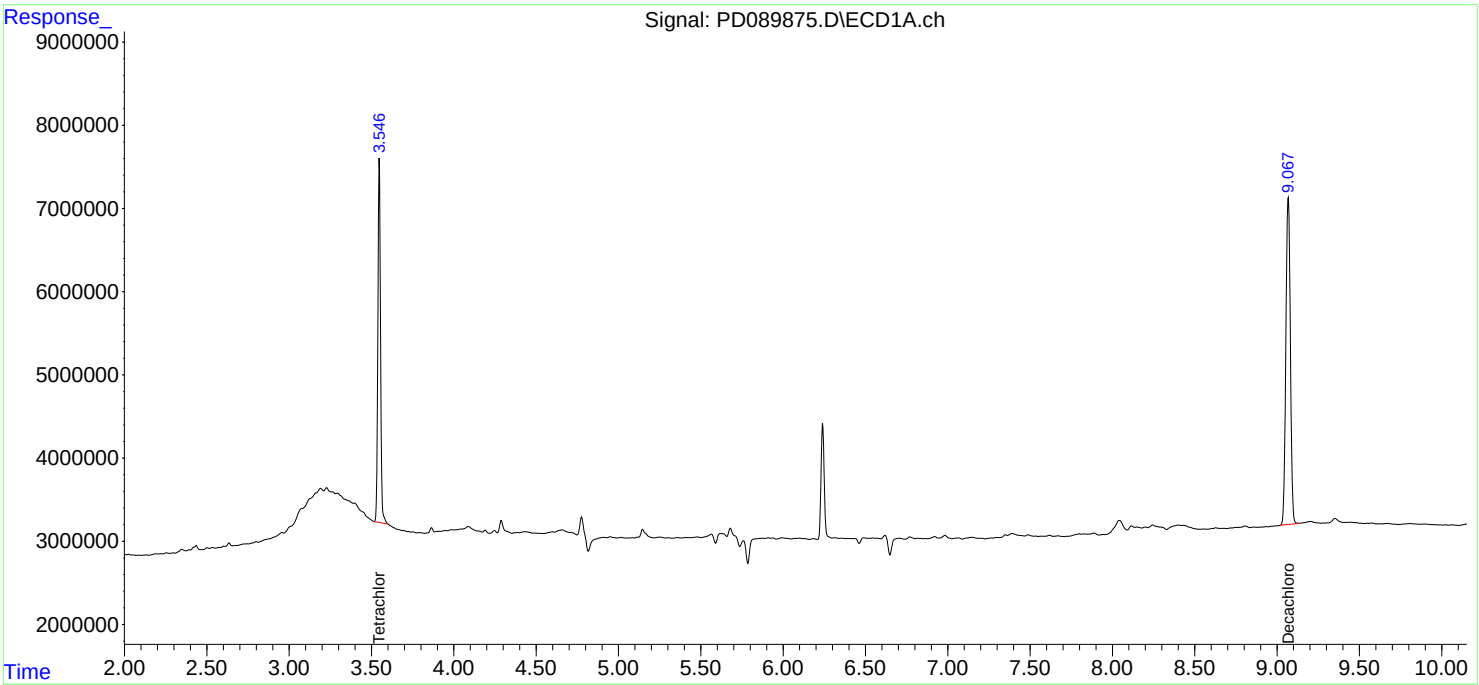
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

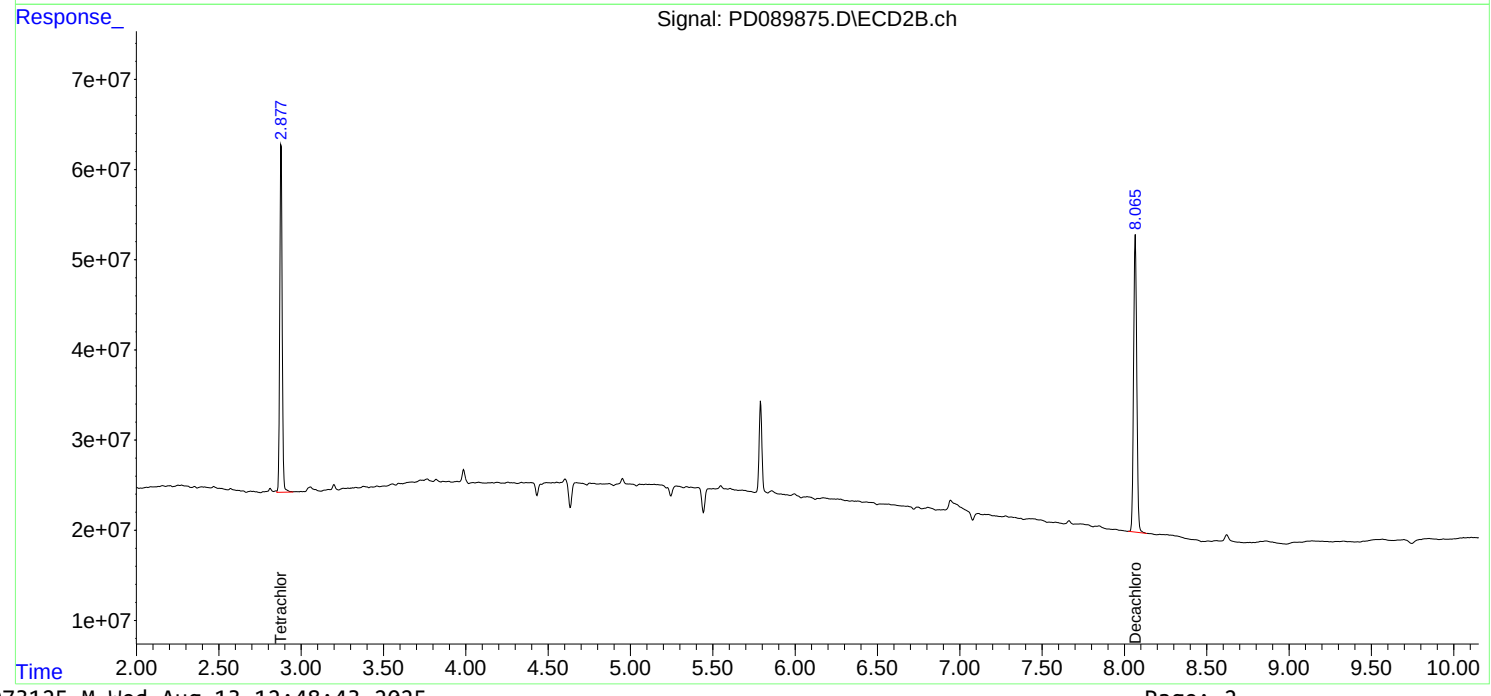
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 18:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

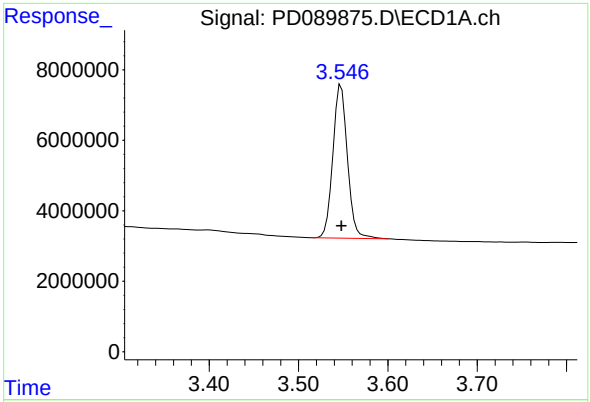
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:14:21 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 0.25µm



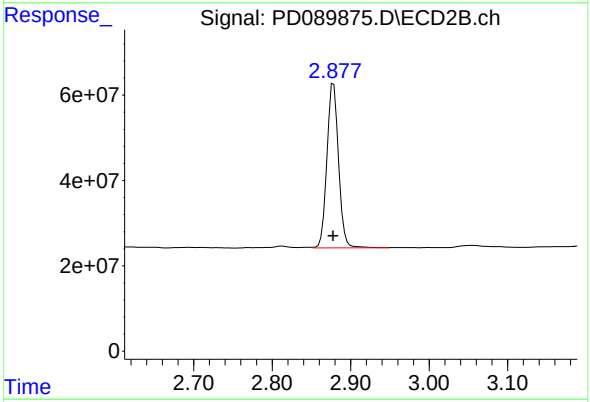




#1 Tetrachloro-m-xylene

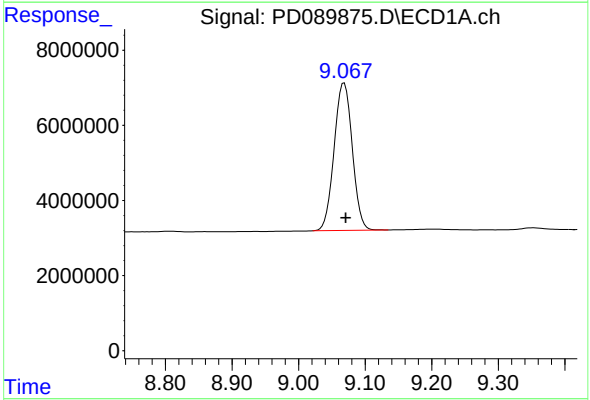
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 49296088
Conc: 19.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



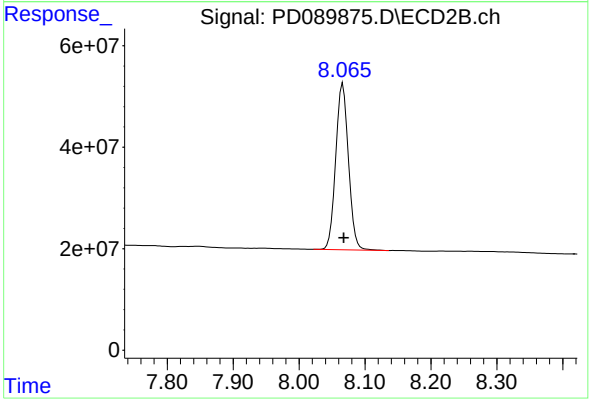
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 396441644
Conc: 25.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 74480714
Conc: 20.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.001 min
Response: 440041027
Conc: 21.92 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/14/25
Project:	USACE018-44 DOD	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089888.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089888.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
PD089888.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.5		30 - 135		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.4	*	44 - 124		127%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/14/25
Project:	USACE018-44 DOD	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089888.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089888.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
PD089888.D	1		08/14/25	PD081525

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\PD081525\
Data File : PD089888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:05
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 14 13:54:23 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	47568416	402.0E6	19.285	25.381 #
28)	SA Decachlor...	9.070	8.067	72214564	471.3E6	19.432	23.473
	Target Compounds						

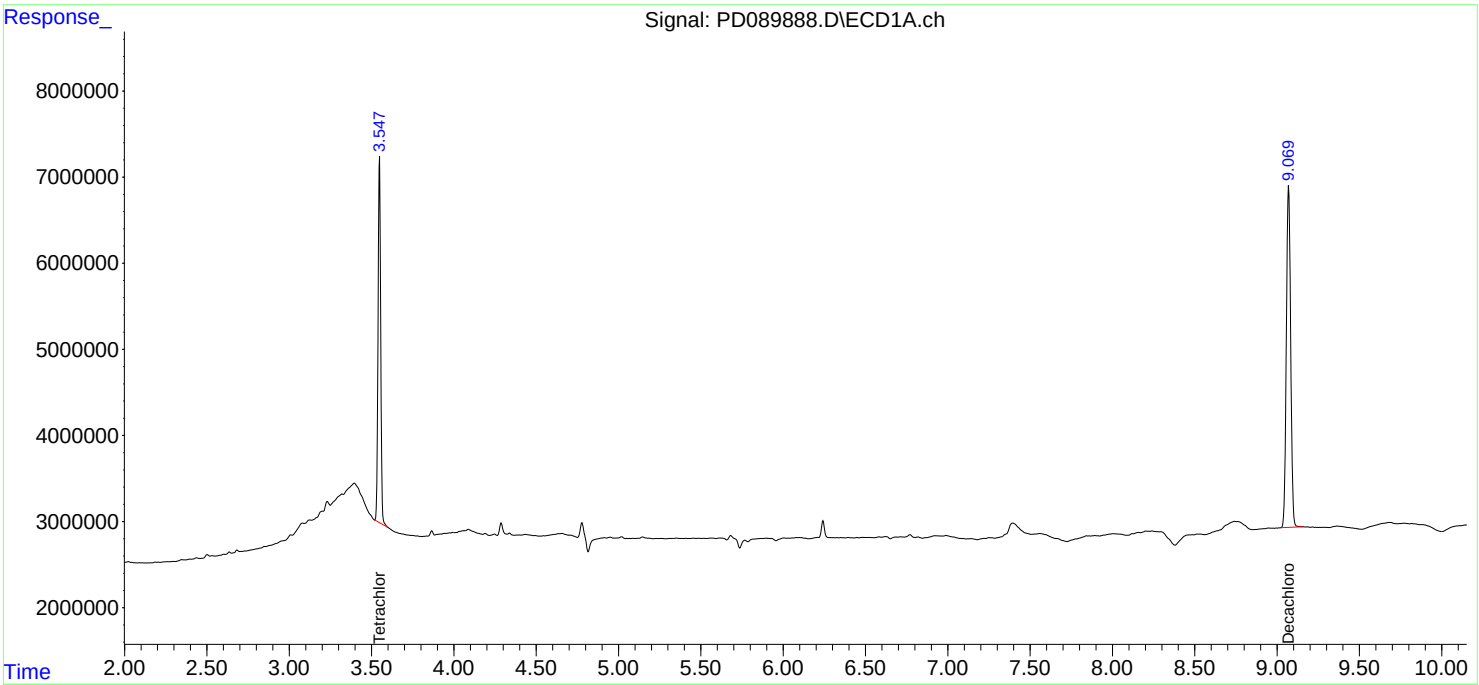
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

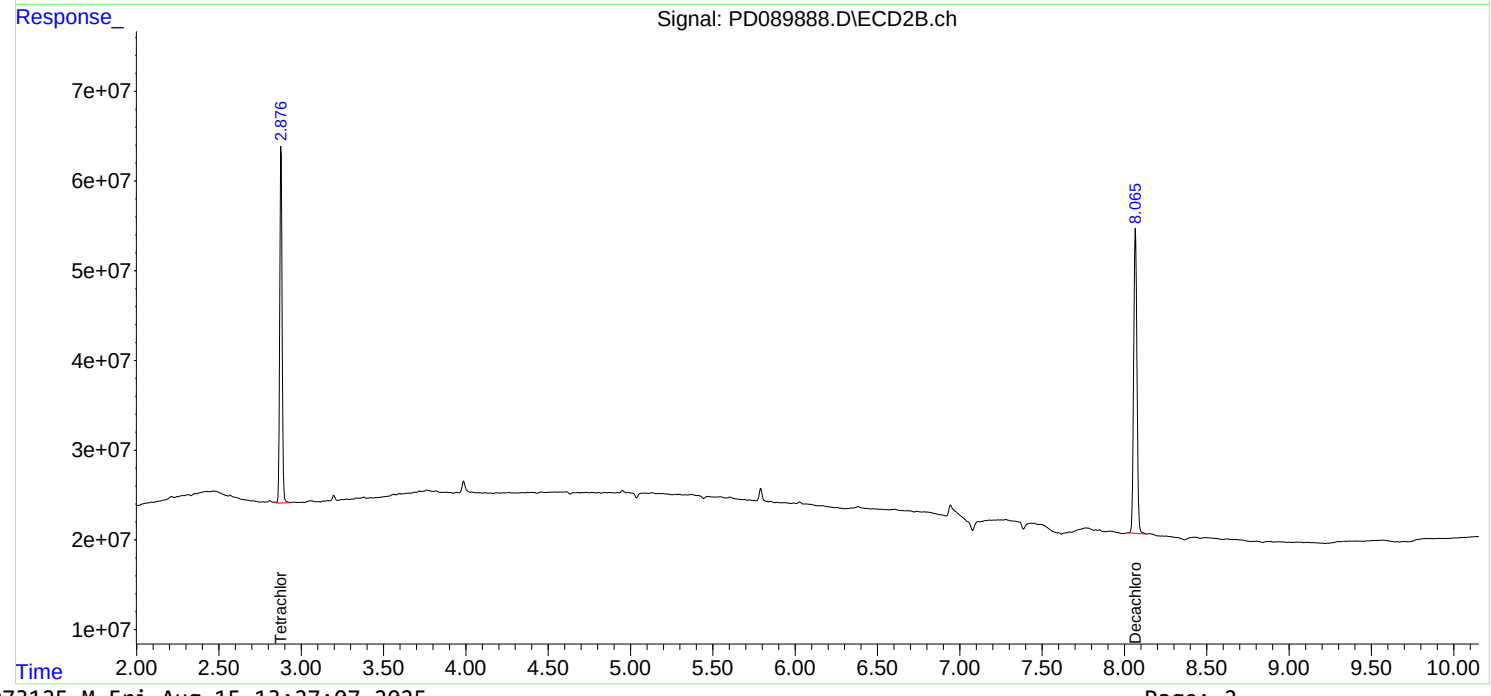
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

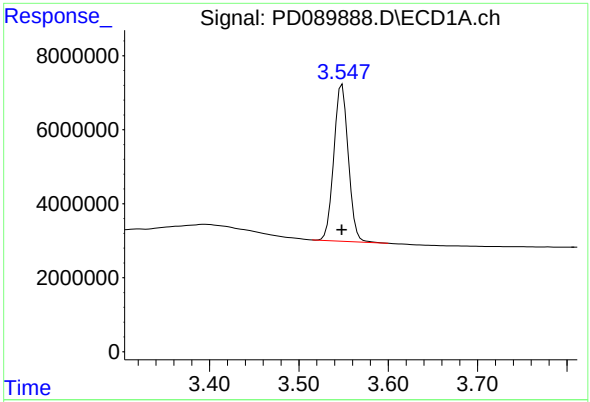
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:54:23 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



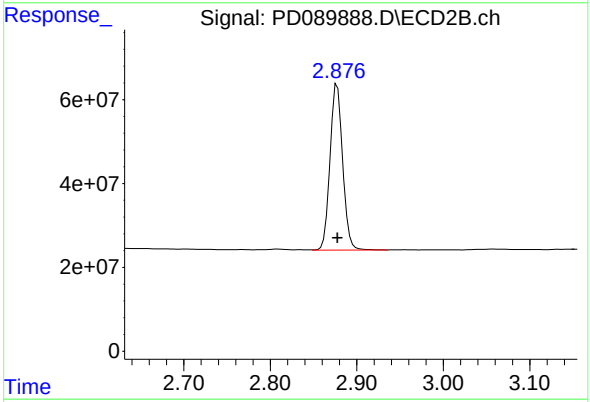




#1 Tetrachloro-m-xylene

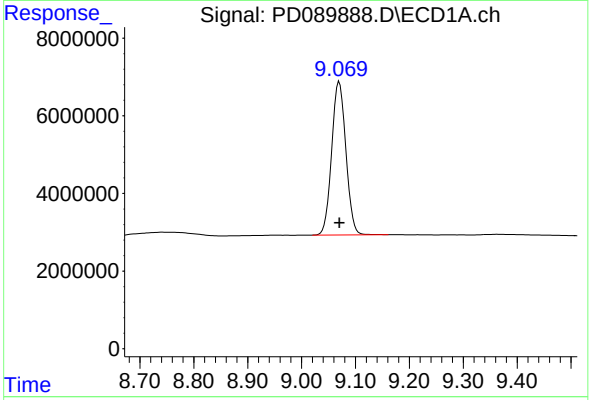
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 47568416
Conc: 19.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



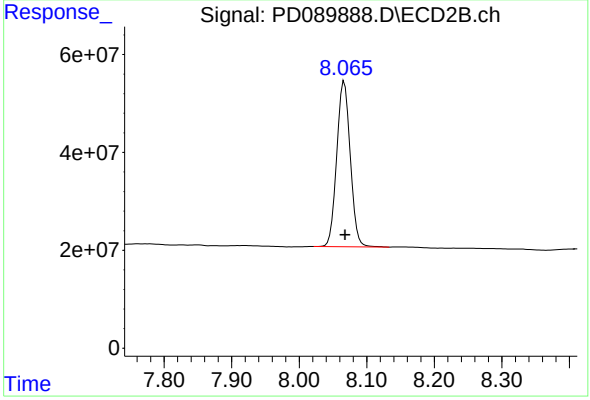
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 401984643
Conc: 25.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 72214564
Conc: 19.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.001 min
Response: 471290980
Conc: 23.47 ng/ml

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/14/25
Project:	USACE018-44 DOD	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089901.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089901.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
PD089901.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.4		30 - 135		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		44 - 124		123%	SPK: 20

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/14/25
Project:	USACE018-44 DOD	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089901.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089901.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
PD089901.D	1		08/14/25	PD081525

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:50
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 14 17:56:59 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	47456716	388.3E6	19.240	24.516 #
28)	SA Decachlor...	9.070	8.068	71411449	469.7E6	19.216	23.396
	Target Compounds						

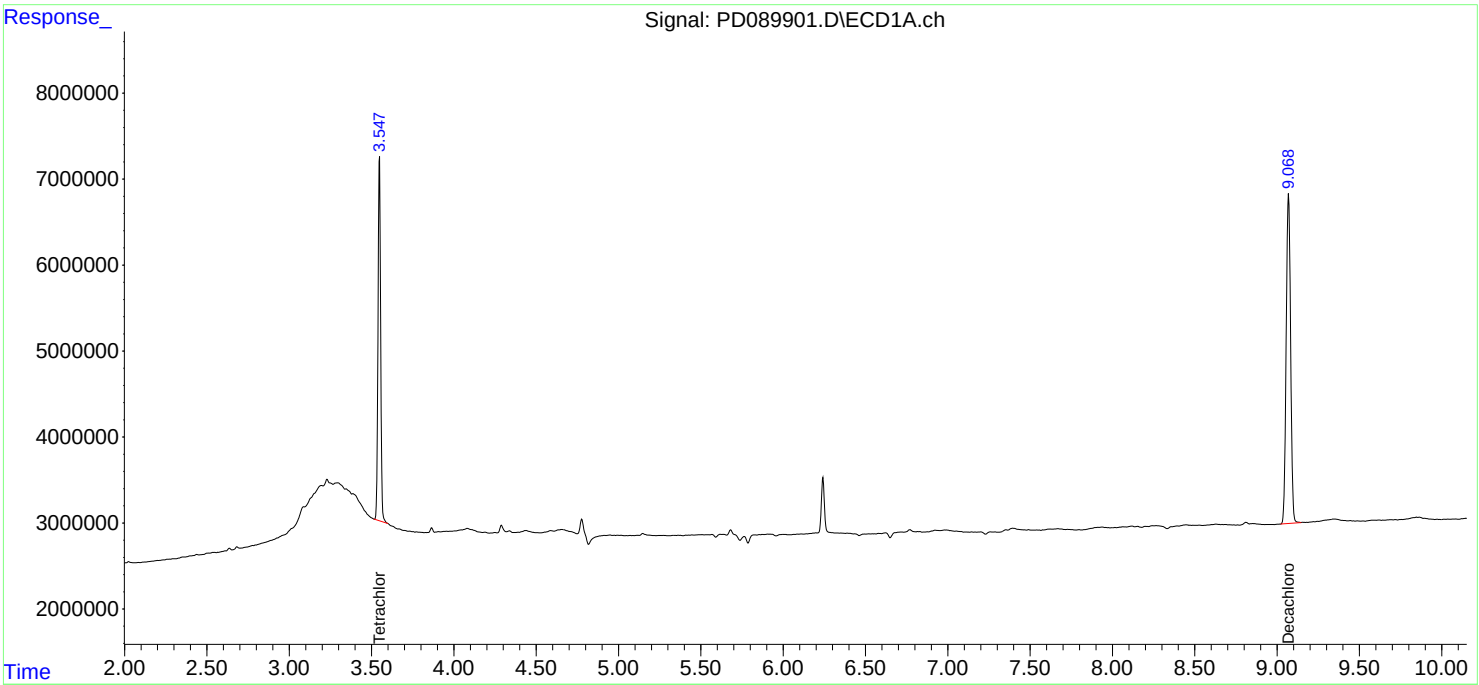
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

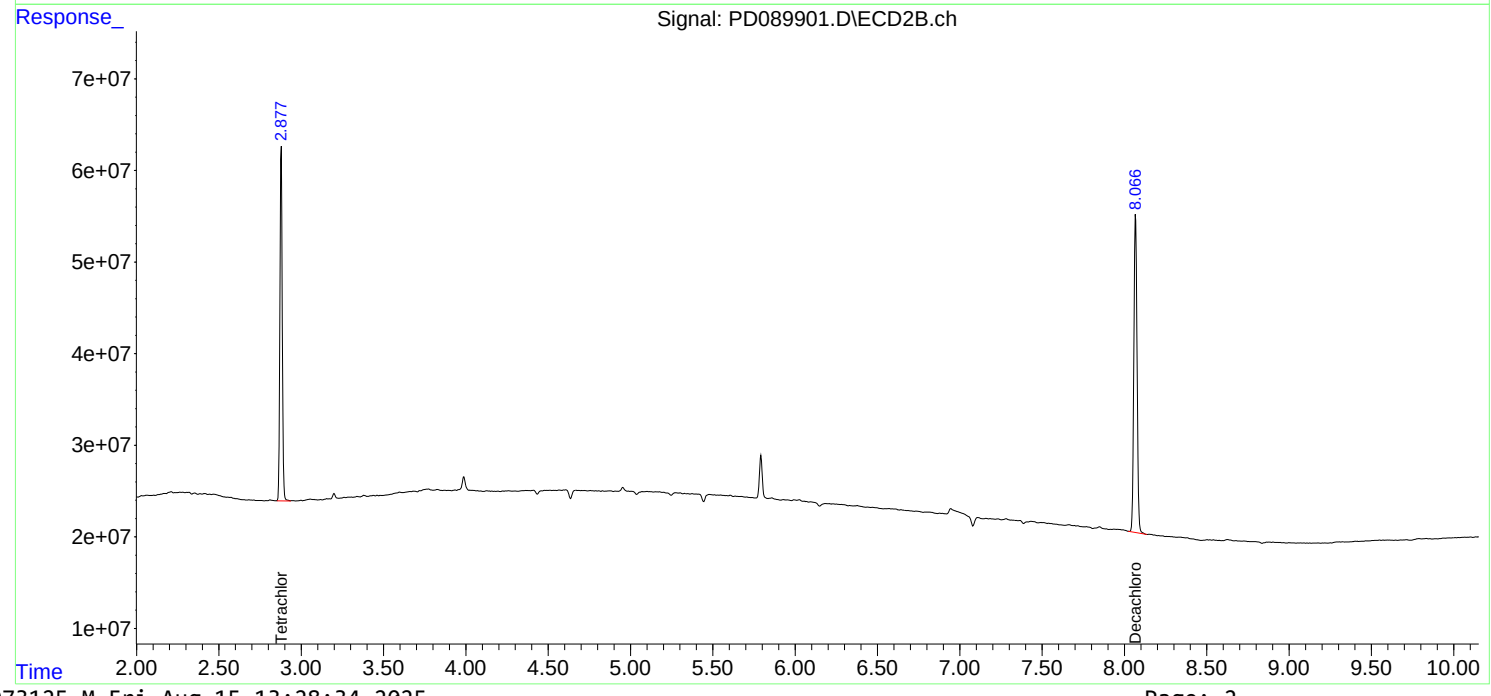
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

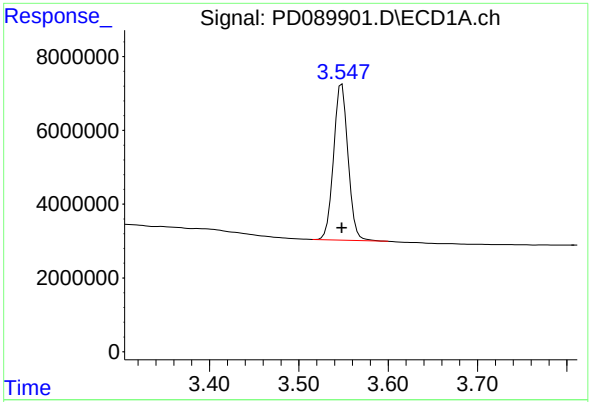
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:56:59 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



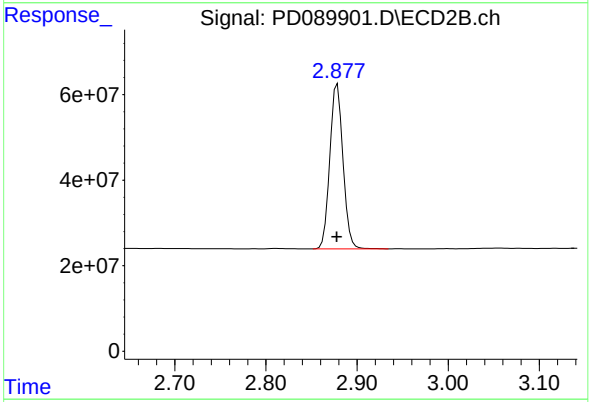




#1 Tetrachloro-m-xylene

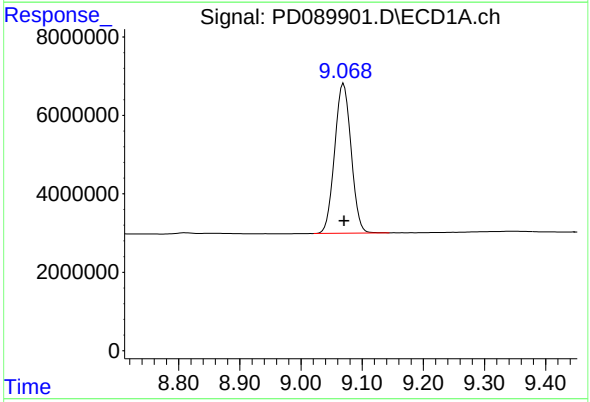
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 47456716
Conc: 19.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



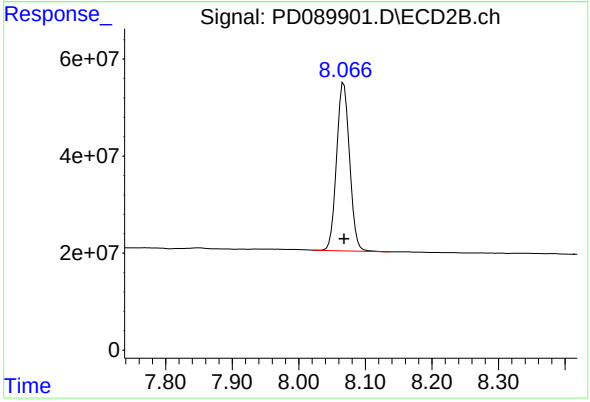
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 388281695
Conc: 24.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 71411449
Conc: 19.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 469748940
Conc: 23.40 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PD089904.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089904.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
PD089904.D	1		08/15/25	pd081625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.1		30 - 135		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.3	*	44 - 124		127%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PD089904.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089904.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
PD089904.D	1		08/15/25	pd081625

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\PD081625\
Data File : PD089904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:37
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 18 01:48:51 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...	3.549	2.878	48449125	401.0E6	19.642	25.321 #
28)	SA Decachlor...	9.070	8.066	72837469	483.7E6	19.600	24.090
	Target Compounds						

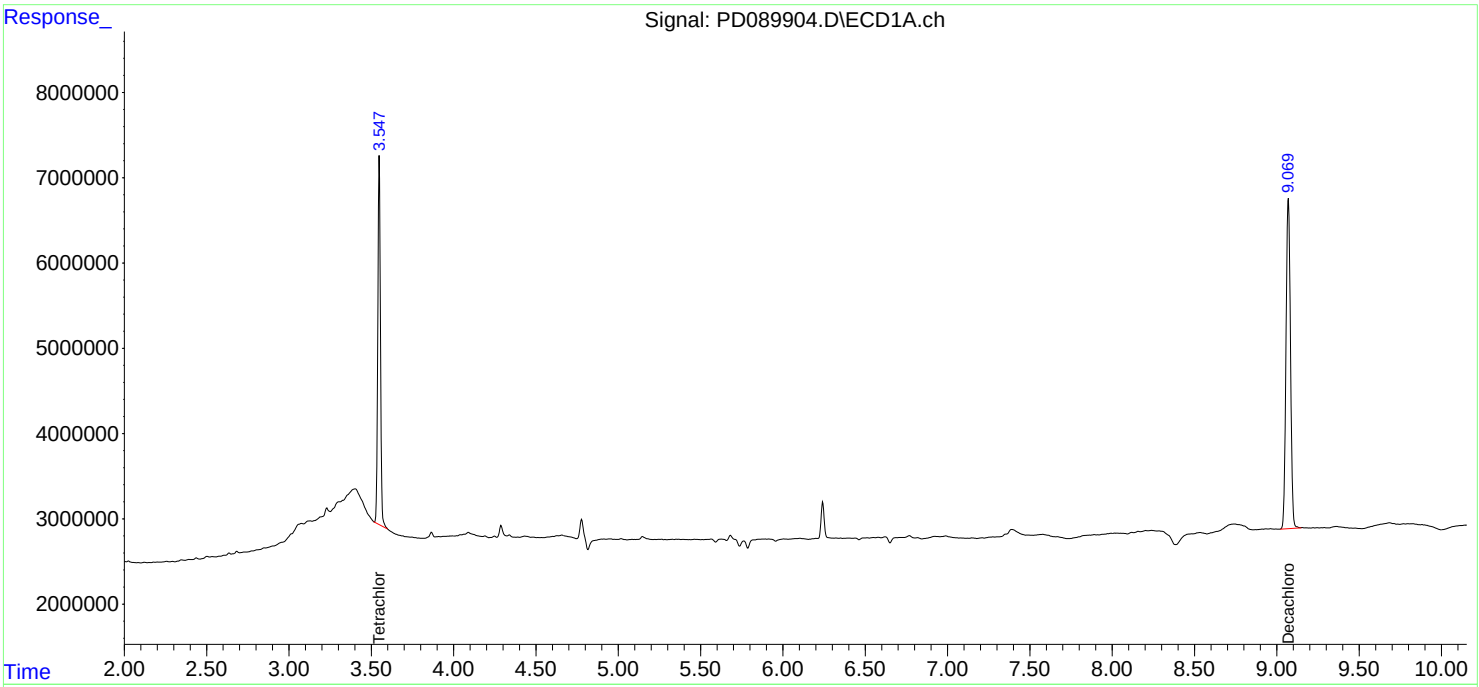
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

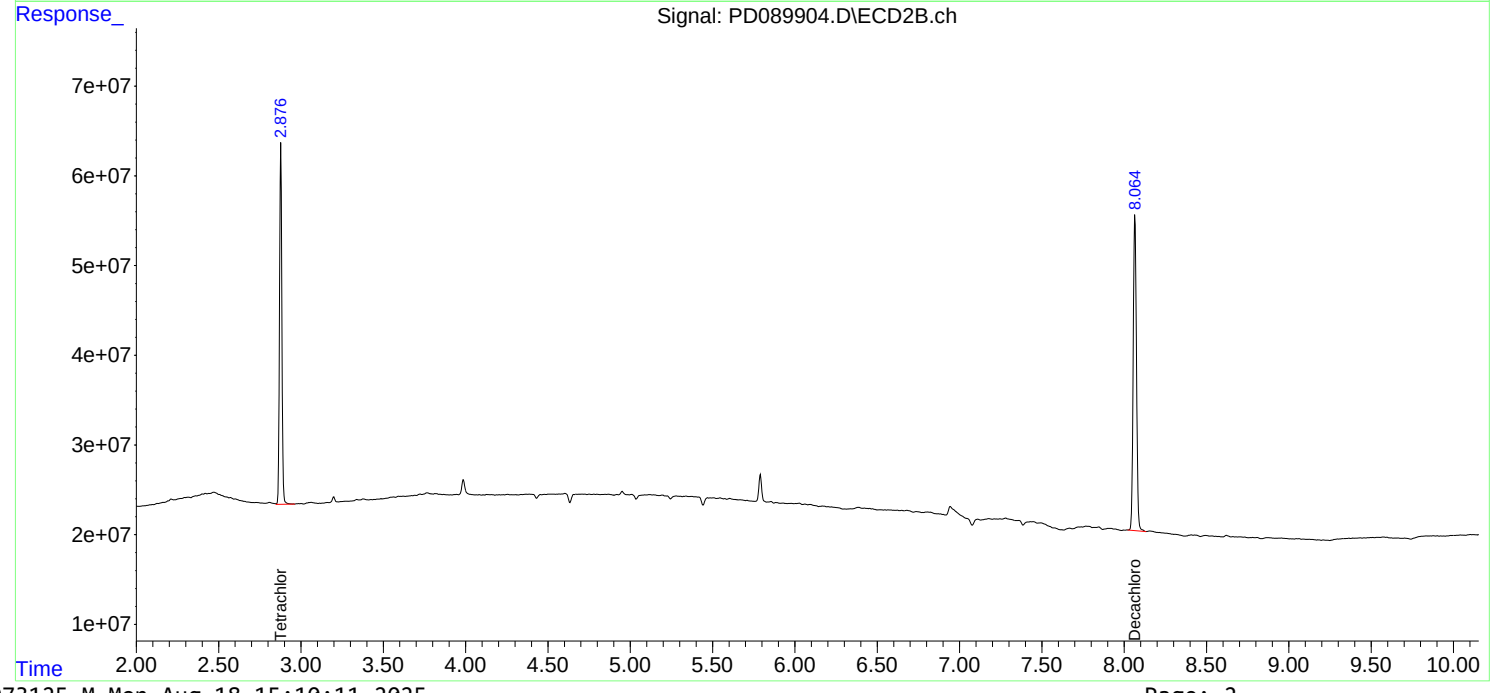
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

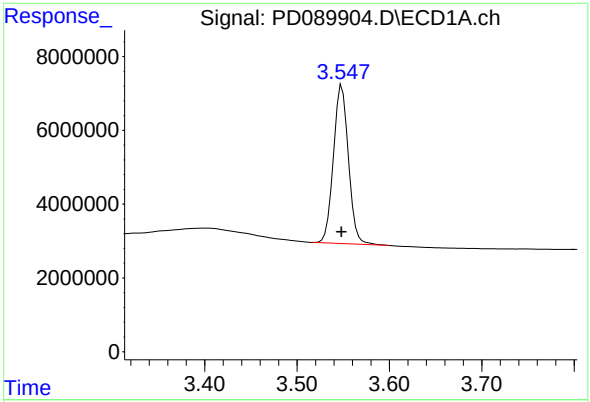
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:48:51 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



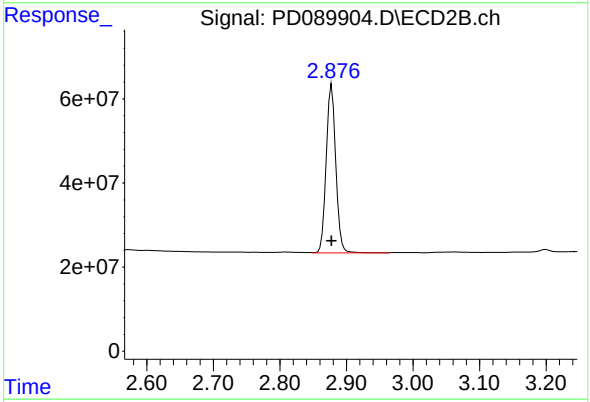




#1 Tetrachloro-m-xylene

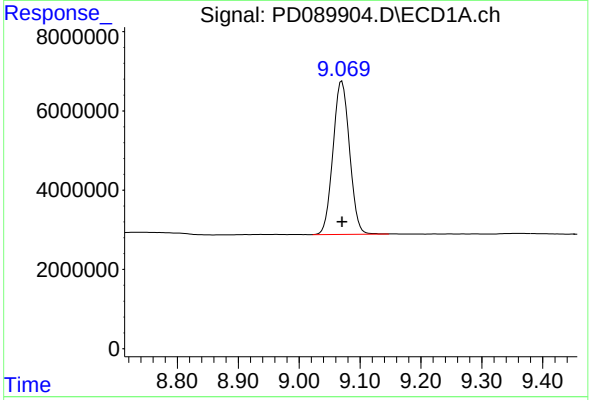
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 48449125
Conc: 19.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



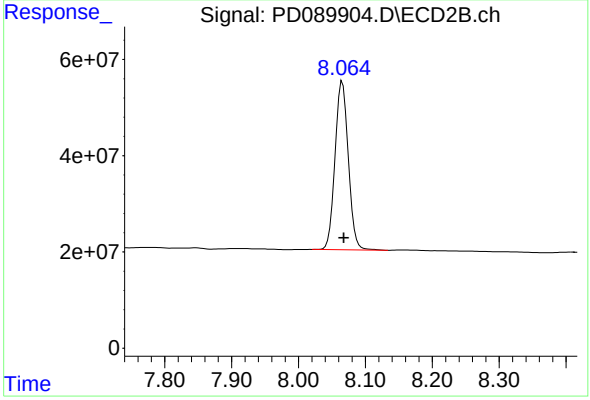
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 401024848
Conc: 25.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 72837469
Conc: 19.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 483670655
Conc: 24.09 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PD089913.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089913.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
PD089913.D	1		08/15/25	pd081625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.1		30 - 135		116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		44 - 124		123%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PD089913.D	SDG No.:	Q2820
Lab Sample ID:	I.BLK-PD089913.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
PD089913.D	1		08/15/25	pd081625

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\PD081625\
Data File : PD089913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:20 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...	3.556	2.877	47548766	388.7E6	19.277	24.542 #
28)	SA Decachlor...	9.079	8.067	73001070	464.5E6	19.644	23.133m
	Target Compounds						

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

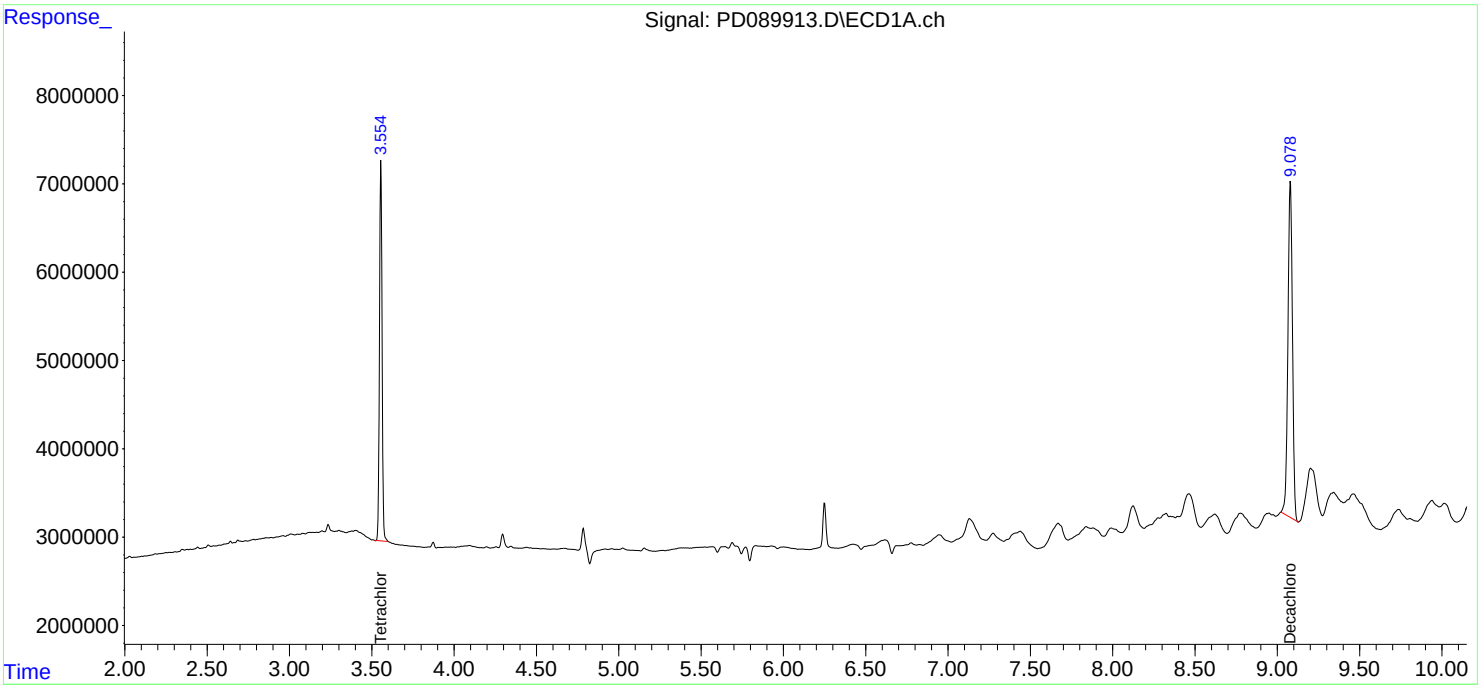
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

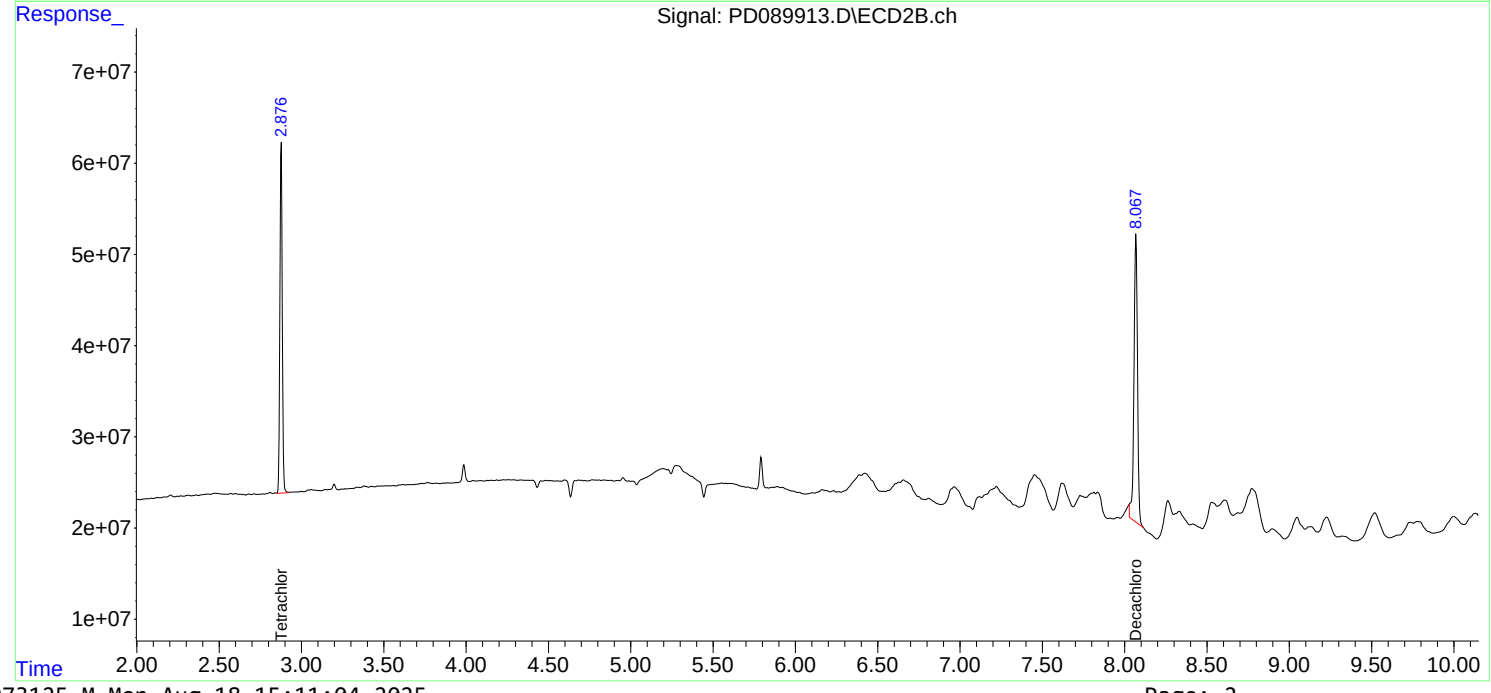
Instrument :
ECD_D
ClientSampleId :
I.BLK

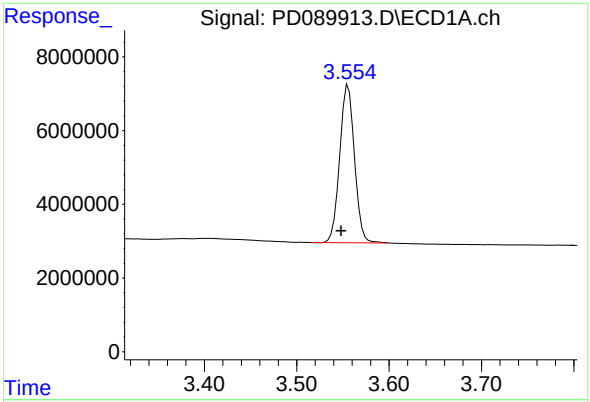
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:20 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







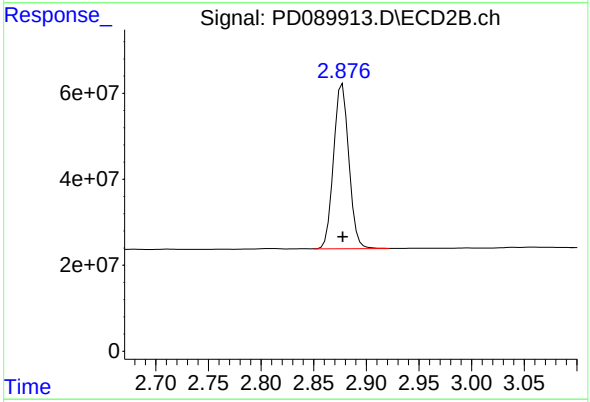
#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.008 min
Response: 47548766
Conc: 19.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

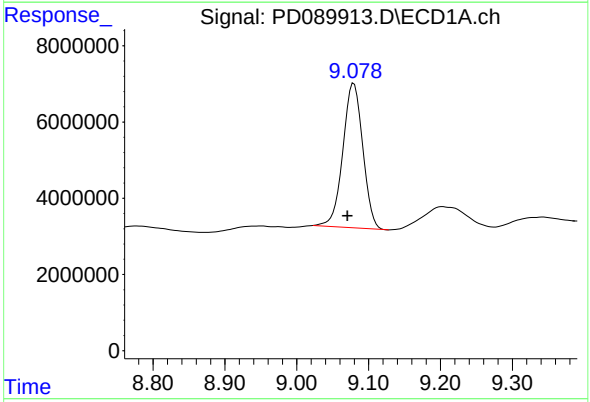
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



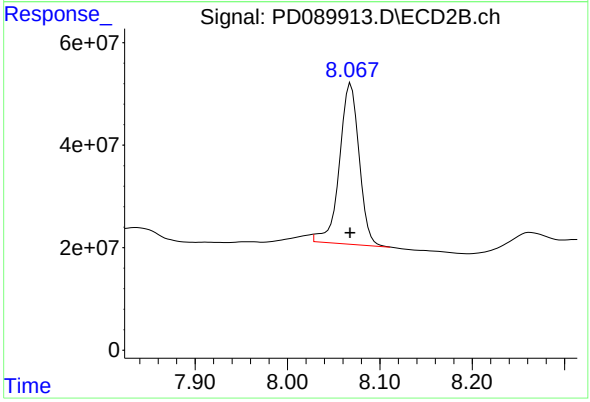
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 388691888
Conc: 24.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.009 min
Response: 73001070
Conc: 19.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 464455694
Conc: 23.13 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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169206BS	SDG No.:	Q2820
Lab Sample ID:	PB169206BS	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
PD089866.D	1	08/12/25 08:16	08/12/25 16:47	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	18.7		0.13	0.33	1.70	ug/kg
319-85-7	beta-BHC	18.7		0.18	0.83	1.70	ug/kg
319-86-8	delta-BHC	18.9		0.39	0.83	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.7		0.14	0.33	1.70	ug/kg
76-44-8	Heptachlor	17.7		0.12	0.33	1.70	ug/kg
309-00-2	Aldrin	18.8		0.12	0.33	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.19	0.83	1.70	ug/kg
959-98-8	Endosulfan I	18.7		0.14	0.33	1.70	ug/kg
60-57-1	Dieldrin	18.8		0.14	0.33	1.70	ug/kg
72-55-9	4,4-DDE	18.9		0.14	0.33	1.70	ug/kg
72-20-8	Endrin	16.7		0.14	0.33	1.70	ug/kg
33213-65-9	Endosulfan II	18.8		0.29	0.83	1.70	ug/kg
72-54-8	4,4-DDD	20.1		0.15	0.33	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.3		0.13	0.33	1.70	ug/kg
50-29-3	4,4-DDT	16.9		0.14	0.33	1.70	ug/kg
72-43-5	Methoxychlor	16.2		0.37	0.83	1.70	ug/kg
53494-70-5	Endrin ketone	19.5		0.19	0.83	1.70	ug/kg
7421-93-4	Endrin aldehyde	20.3		0.37	0.83	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.9		0.12	0.33	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.9		0.15	0.33	1.70	ug/kg
8001-35-2	Toxaphene	17.0	U	5.40	17.0	33.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.3		55 - 130		112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		42 - 129		116%	SPK: 20

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169206BS	SDG No.:	Q2820
Lab Sample ID:	PB169206BS	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
PD089866.D	1	08/12/25 08:16	08/12/25 16:47	PB169206

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\PD081325\
Data File : PD089866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:47
Operator : AR\AJ
Sample : PB169206BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:54 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	44644280	367.5E6	18.100	23.205 #
28)	SA Decachlor...	9.067	8.066	70500693	447.9E6	18.971	22.306
	Target Compounds						
2)	A alpha-BHC	3.997	3.389	235.5E6	1364.2E6	47.540	56.129
3)	MA gamma-BHC...	4.327	3.726	224.6E6	1267.4E6	47.266	56.267
4)	MA Heptachlor	4.926	4.078	211.7E6	1236.4E6	44.005	53.272
5)	MB Aldrin	5.267	4.364	214.7E6	1255.3E6	47.035	56.417
6)	B beta-BHC	4.513	4.022	86419412	542.3E6	46.848	56.200
7)	B delta-BHC	4.761	4.258	222.2E6	1290.5E6	48.444	56.814
8)	B Heptachlo...	5.687	4.868	193.1E6	1149.2E6	46.198	55.922
9)	A Endosulfan I	6.071	5.242	182.9E6	1097.5E6	46.141	56.144
10)	B gamma-Chl...	5.942	5.120	194.5E6	1231.7E6	46.548	56.881
11)	B alpha-Chl...	6.023	5.185	194.3E6	1181.7E6	46.212	56.751
12)	B 4,4'-DDE	6.192	5.370	173.1E6	1197.6E6	46.401	56.659
13)	MA Dieldrin	6.343	5.508	194.2E6	1223.7E6	45.993	56.553
14)	MA Endrin	6.570	5.784	144.6E6	996.9E6	40.422	50.030
15)	B Endosulfa...	6.783	6.075	165.2E6	1061.1E6	45.033	56.441 #
16)	A 4,4'-DDD	6.702	5.924	144.4E6	1065.2E6	48.221	60.412 #
17)	MA 4,4'-DDT	7.018	6.177	131.3E6	930.2E6	39.085	50.628 #
18)	B Endrin al...	6.912	6.254	123.1E6	789.4E6	49.321	61.099
19)	B Endosulfa...	7.146	6.477	154.5E6	1020.0E6	44.511	54.939
20)	A Methoxychlor	7.490	6.749	67235413	477.6E6	37.604	48.760 #
21)	B Endrin ke...	7.627	6.986	170.4E6	1177.8E6	45.889	58.689 #
22)	Mirex	8.109	7.179	120.2E6	842.1E6	43.115	55.327 #

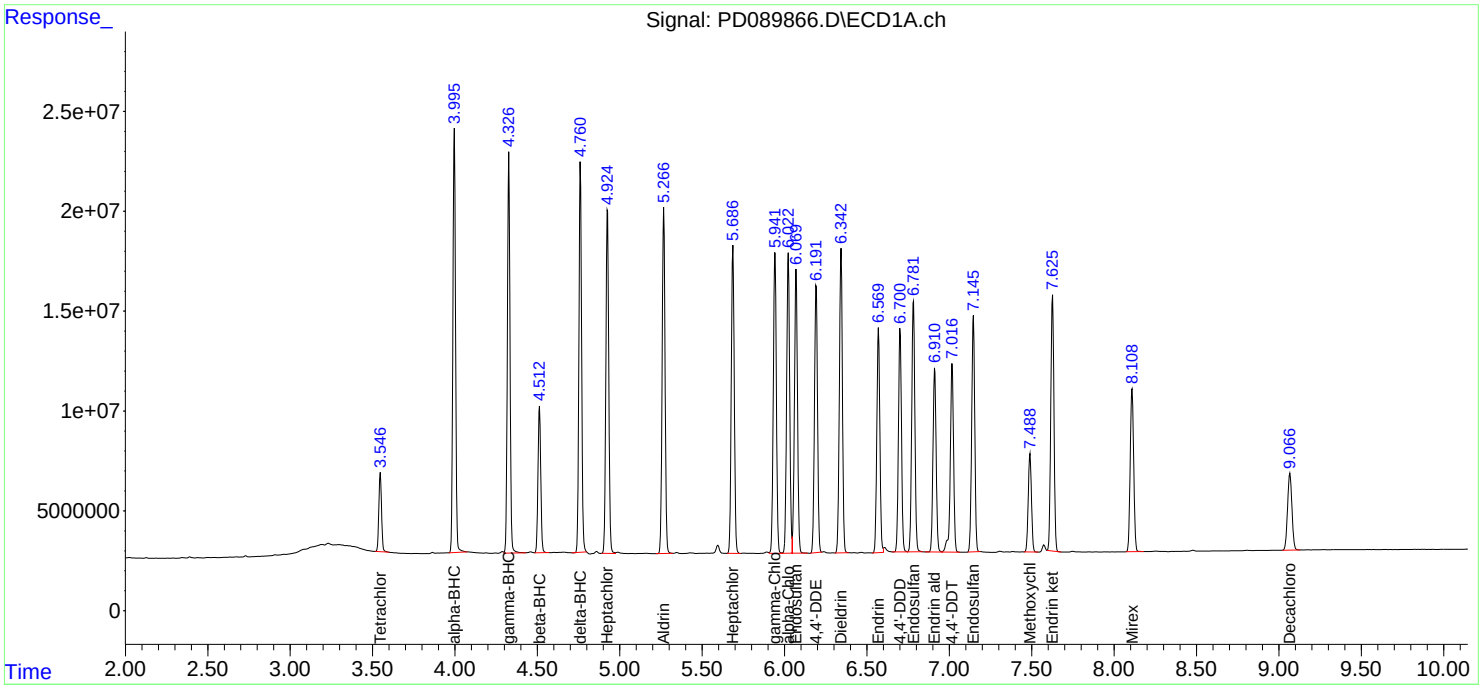
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

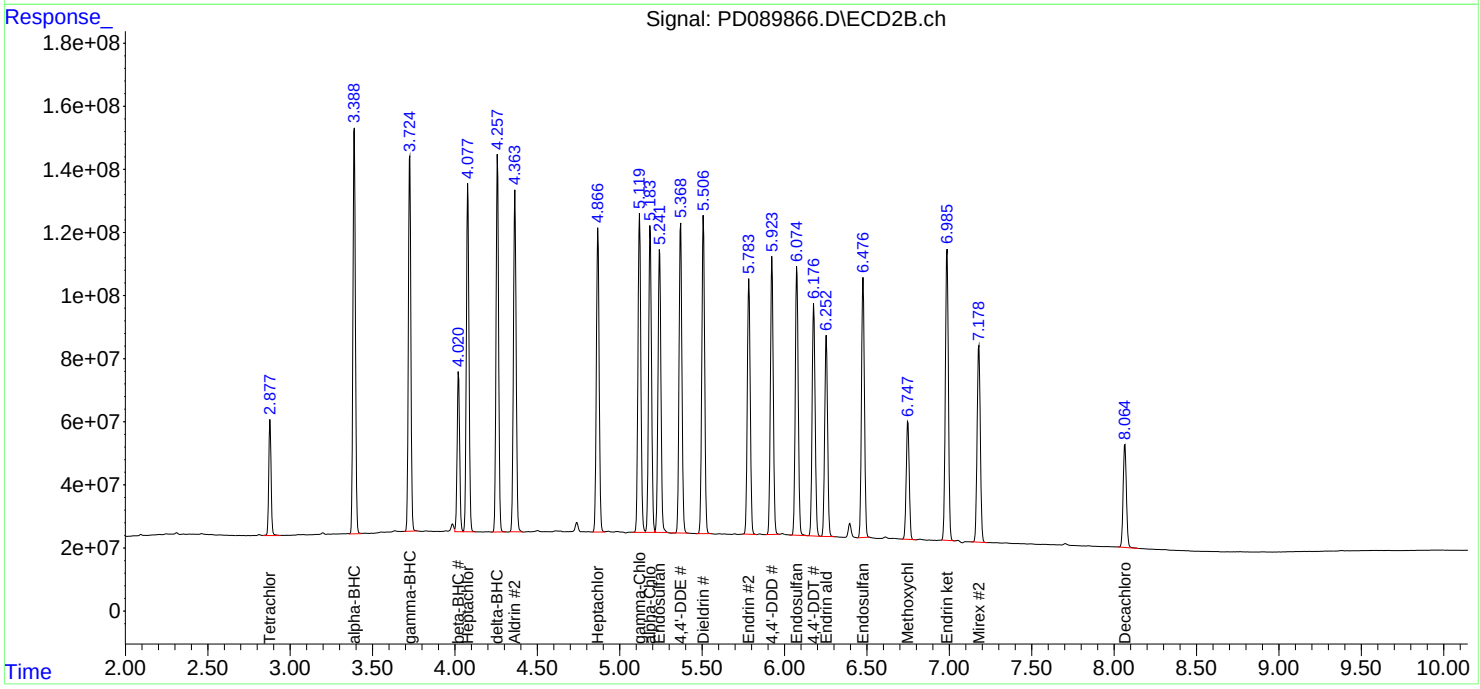
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:47
Operator : AR\AJ
Sample : PB169206BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

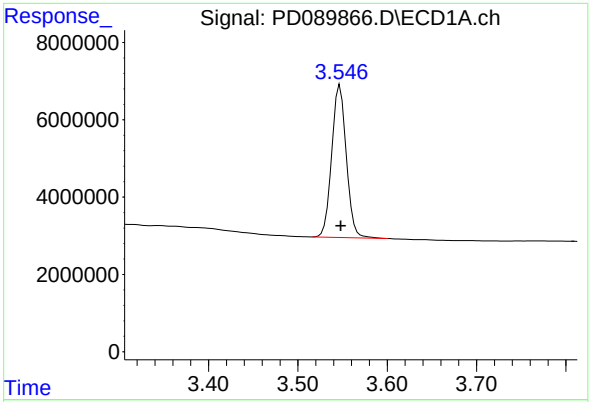
Instrument :
ECD_D
ClientSampleId :
PB169206BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:54 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



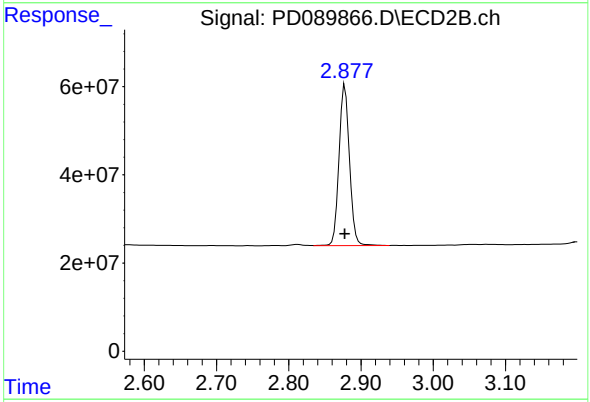




#1 Tetrachloro-m-xylene

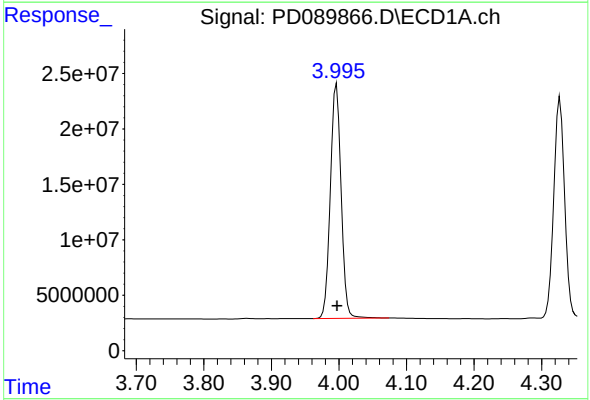
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 44644280
Conc: 18.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



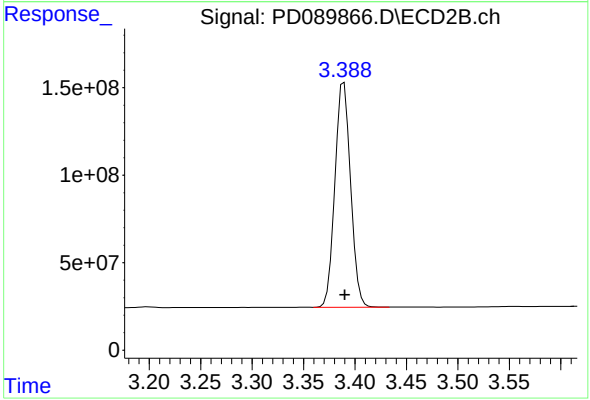
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 367509502
Conc: 23.20 ng/ml



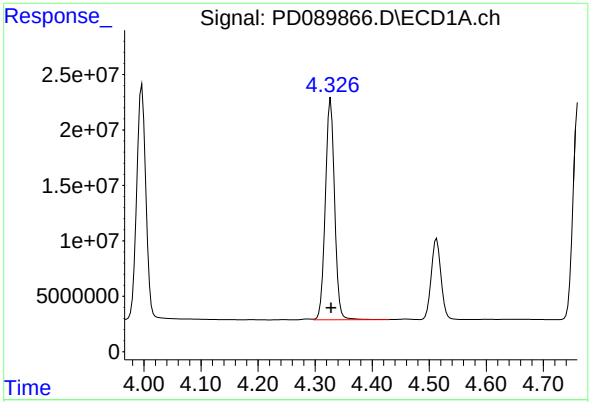
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 235492389
Conc: 47.54 ng/ml



#2 alpha-BHC

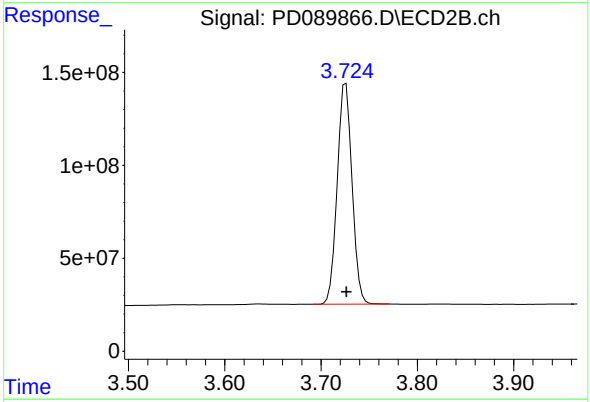
R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1364213407
Conc: 56.13 ng/ml



#3 gamma-BHC (Lindane)

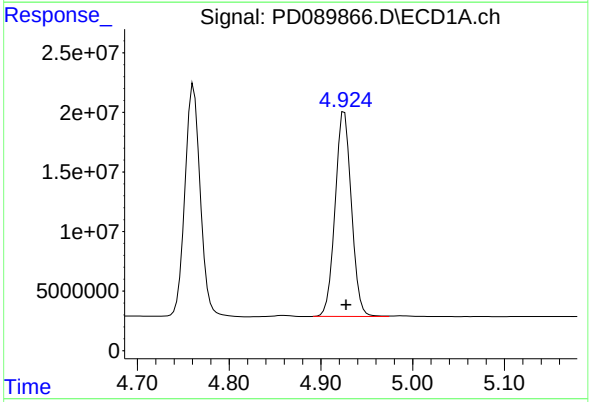
R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 224622235
Conc: 47.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



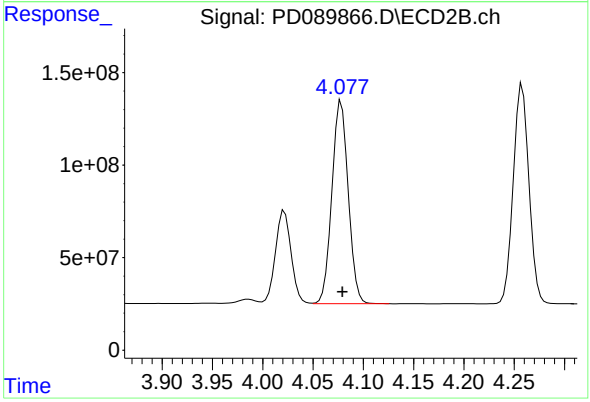
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1267360711
Conc: 56.27 ng/ml



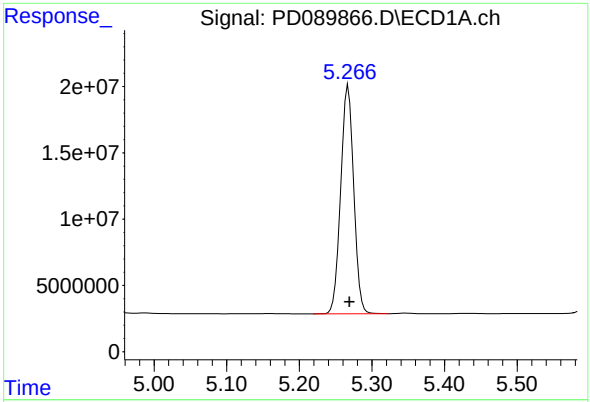
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.002 min
Response: 211730378
Conc: 44.00 ng/ml



#4 Heptachlor

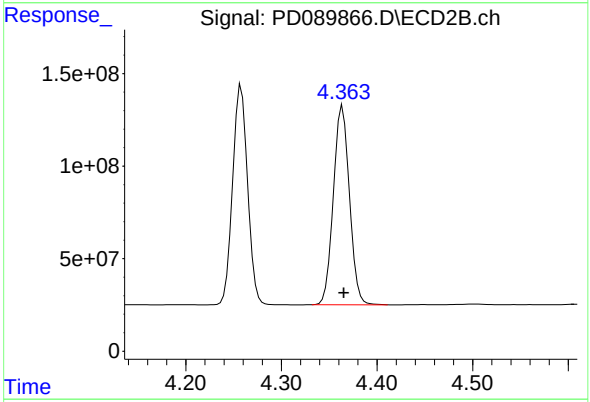
R.T.: 4.078 min
Delta R.T.: -0.001 min
Response: 1236410587
Conc: 53.27 ng/ml



#5 Aldrin

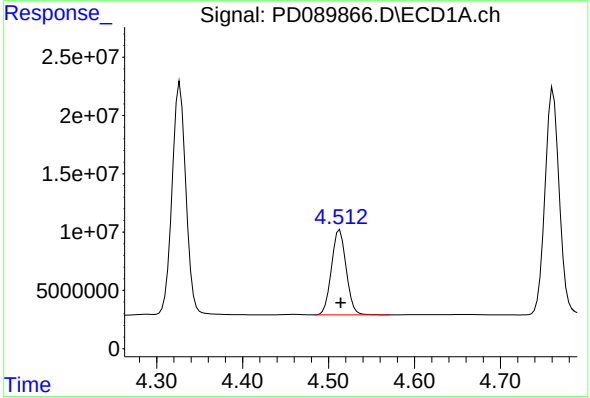
R.T.: 5.267 min
Delta R.T.: -0.002 min
Response: 214708289
Conc: 47.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



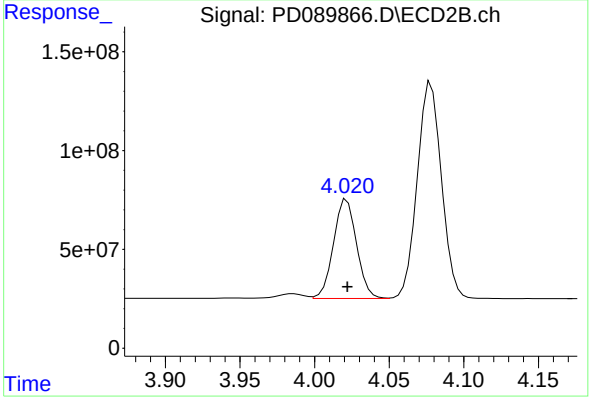
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.001 min
Response: 1255329550
Conc: 56.42 ng/ml



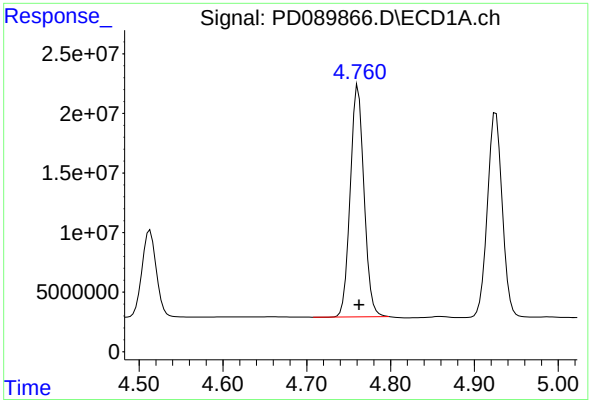
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 86419412
Conc: 46.85 ng/ml



#6 beta-BHC

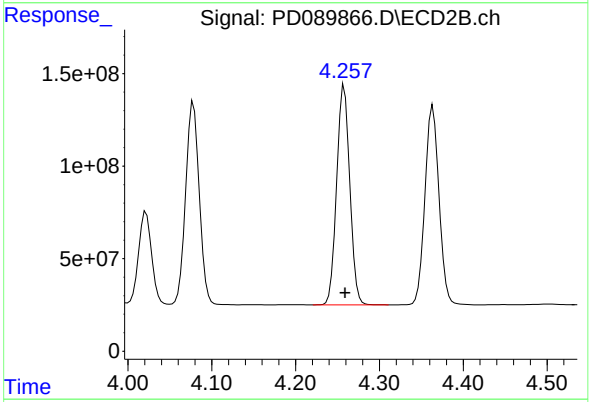
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 542276934
Conc: 56.20 ng/ml



#7 delta-BHC

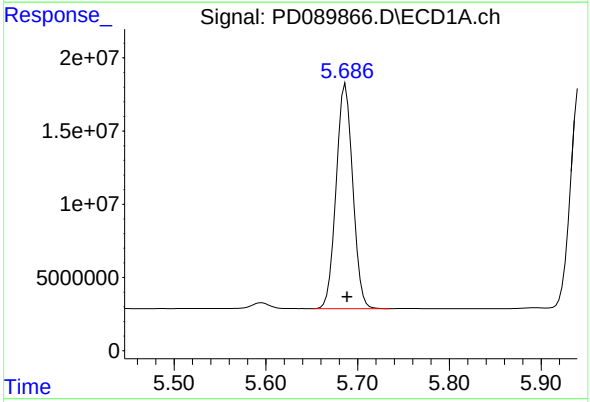
R.T.: 4.761 min
Delta R.T.: -0.001 min
Response: 222175922
Conc: 48.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



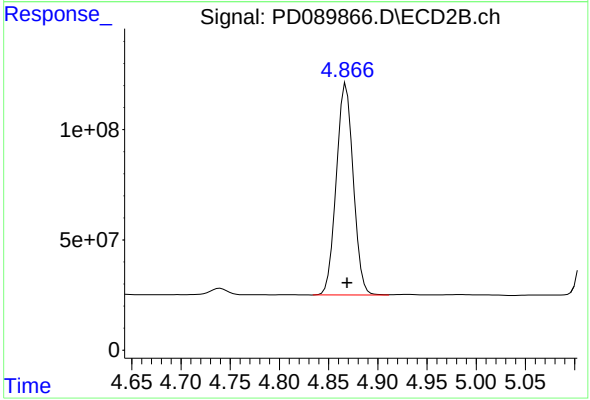
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1290533683
Conc: 56.81 ng/ml



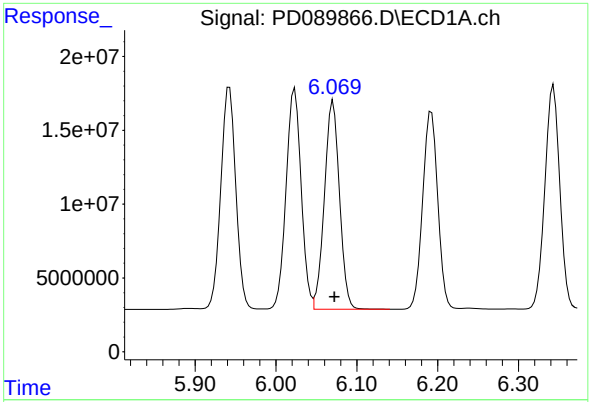
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 193138892
Conc: 46.20 ng/ml



#8 Heptachlor epoxide

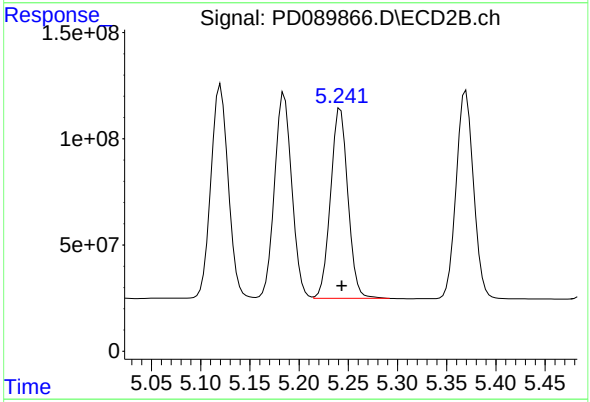
R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 1149178373
Conc: 55.92 ng/ml



#9 Endosulfan I

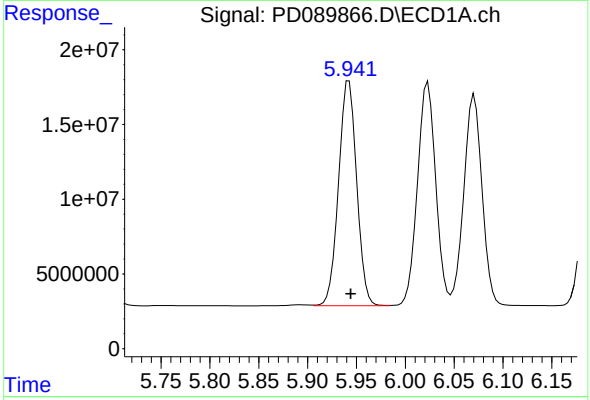
R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 182886695
Conc: 46.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



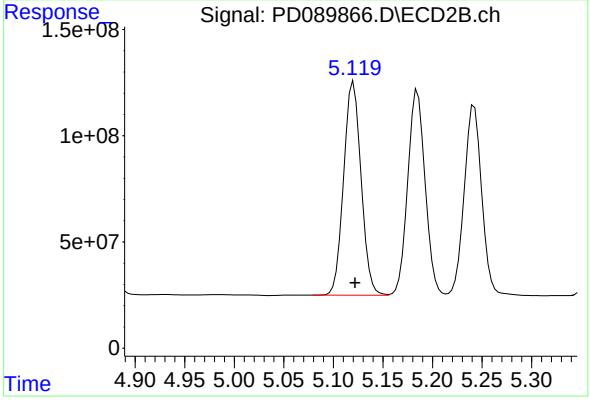
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: -0.001 min
Response: 1097521907
Conc: 56.14 ng/ml



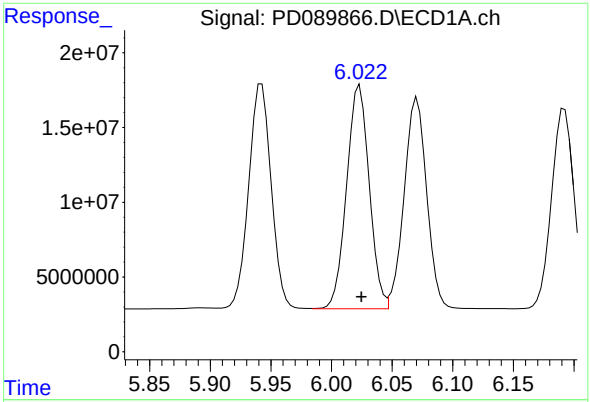
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 194529862
Conc: 46.55 ng/ml



#10 gamma-Chlordane

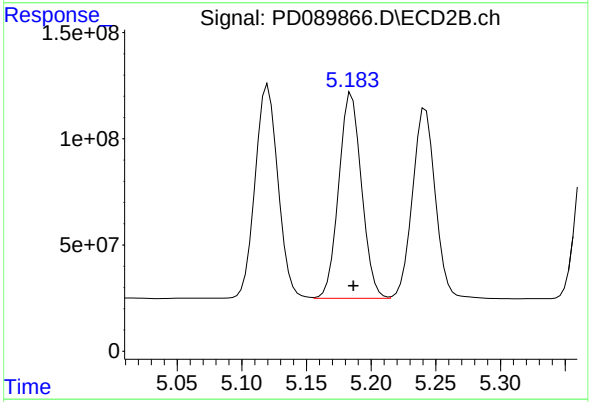
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 1231666652
Conc: 56.88 ng/ml



#11 alpha-Chlordane

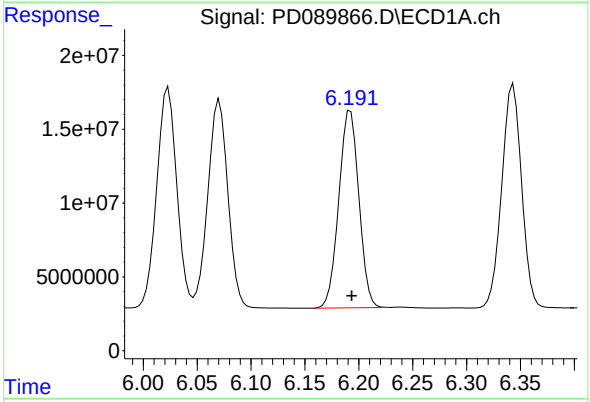
R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 194283917
Conc: 46.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



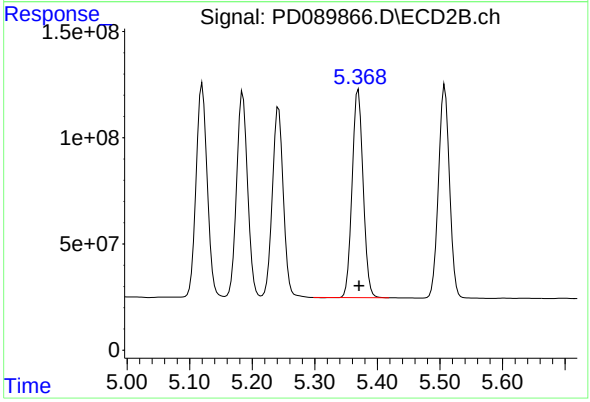
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 1181666346
Conc: 56.75 ng/ml



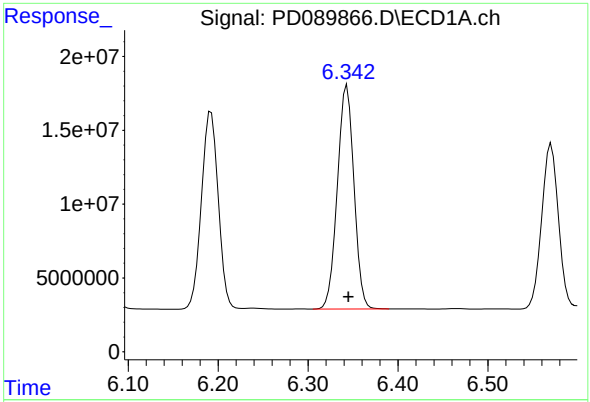
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 173063221
Conc: 46.40 ng/ml



#12 4,4'-DDE

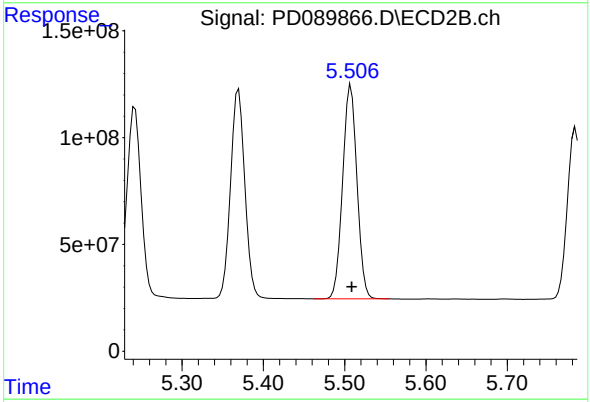
R.T.: 5.370 min
Delta R.T.: -0.001 min
Response: 1197600202
Conc: 56.66 ng/ml



#13 Dieldrin

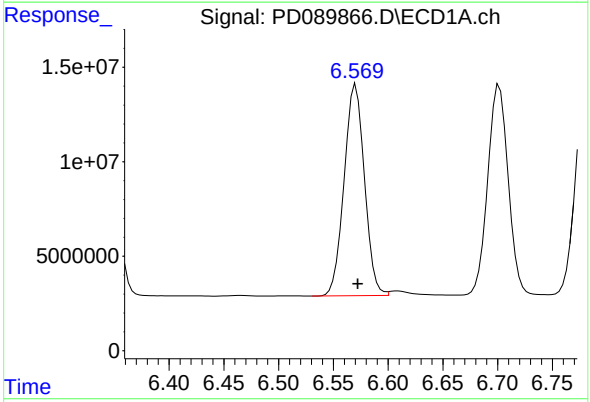
R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 194248099
Conc: 45.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



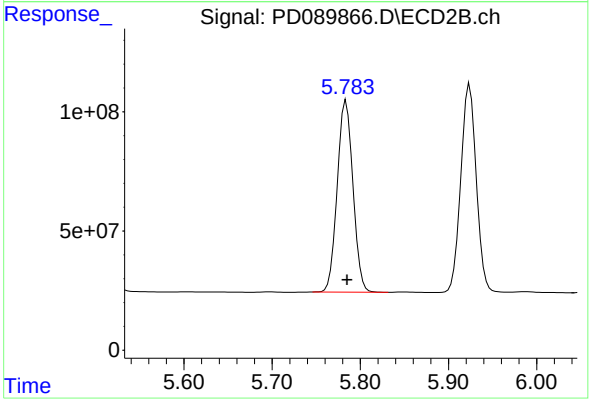
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: -0.001 min
Response: 1223748605
Conc: 56.55 ng/ml



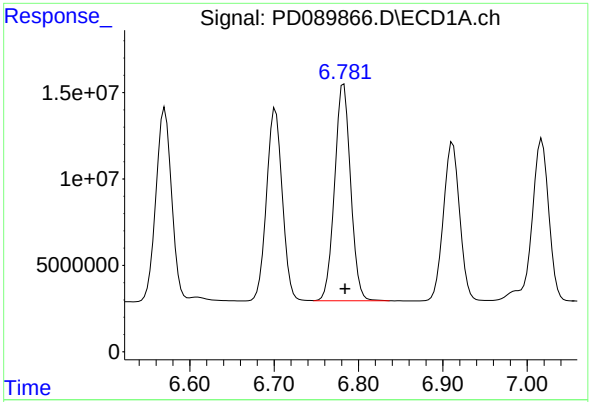
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 144620189
Conc: 40.42 ng/ml



#14 Endrin

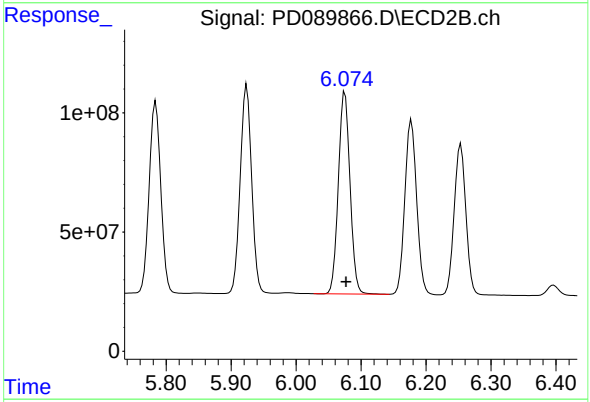
R.T.: 5.784 min
Delta R.T.: -0.001 min
Response: 996858790
Conc: 50.03 ng/ml



#15 Endosulfan II

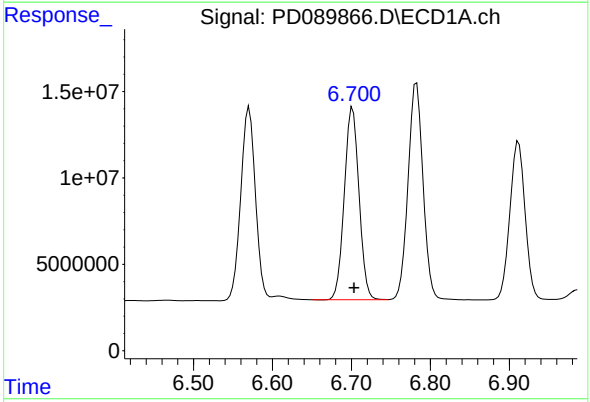
R.T.: 6.783 min
Delta R.T.: -0.001 min
Response: 165244009
Conc: 45.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



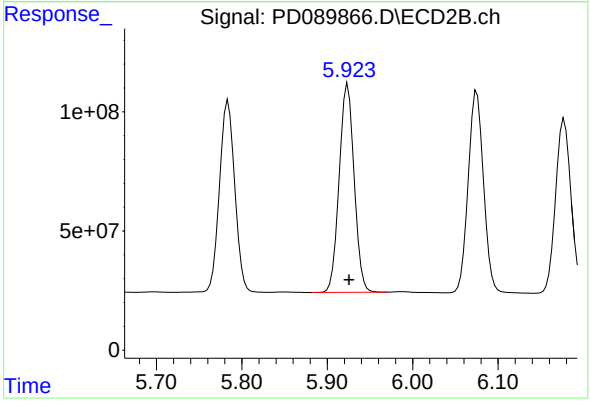
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: -0.002 min
Response: 1061065635
Conc: 56.44 ng/ml



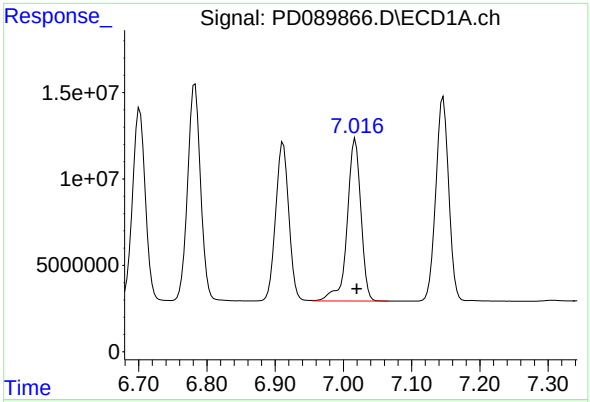
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 144411948
Conc: 48.22 ng/ml



#16 4,4'-DDD

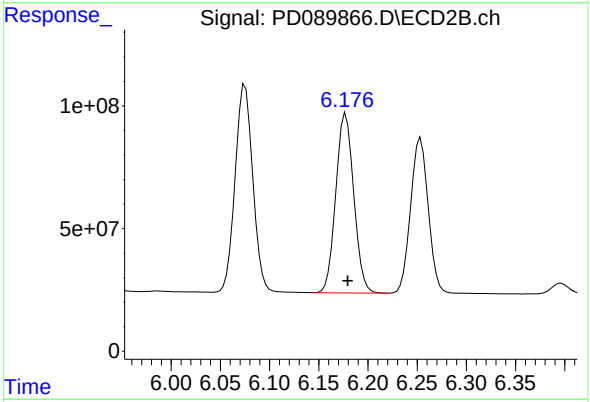
R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 1065220363
Conc: 60.41 ng/ml



#17 4,4'-DDT

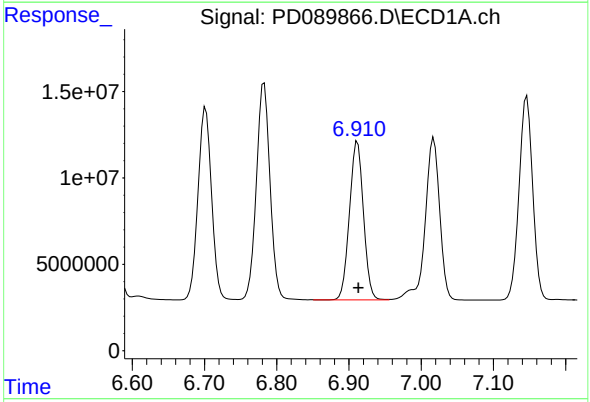
R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 131335557
Conc: 39.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



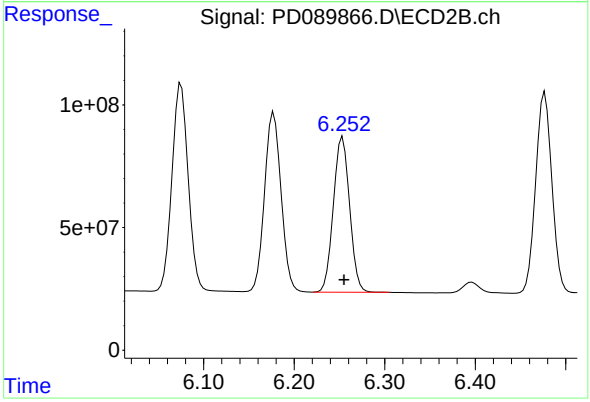
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 930180084
Conc: 50.63 ng/ml



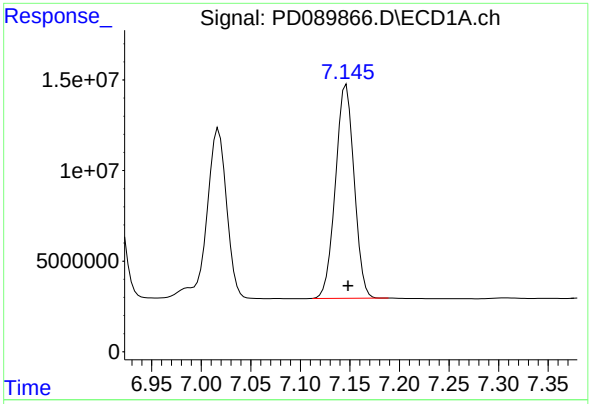
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.001 min
Response: 123083577
Conc: 49.32 ng/ml



#18 Endrin aldehyde

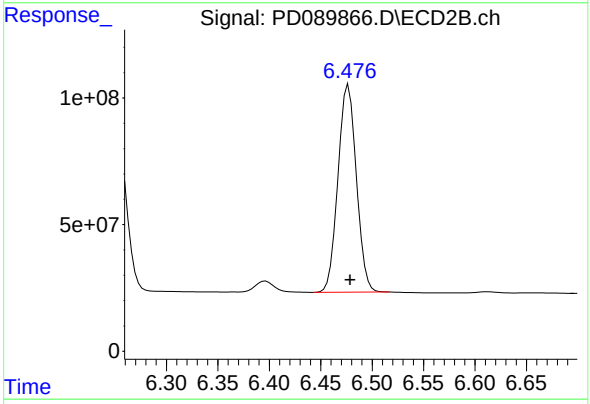
R.T.: 6.254 min
Delta R.T.: -0.002 min
Response: 789420093
Conc: 61.10 ng/ml



#19 Endosulfan Sulfate

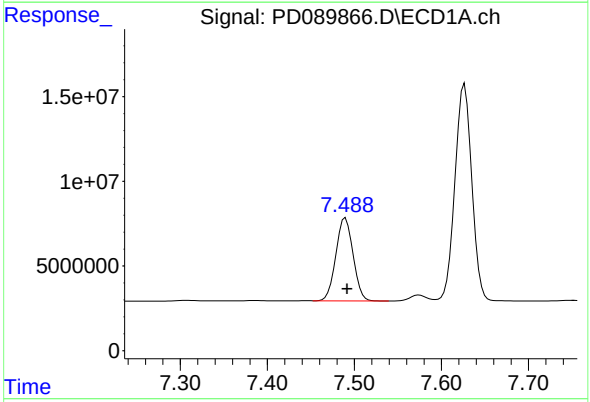
R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 154455114
Conc: 44.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



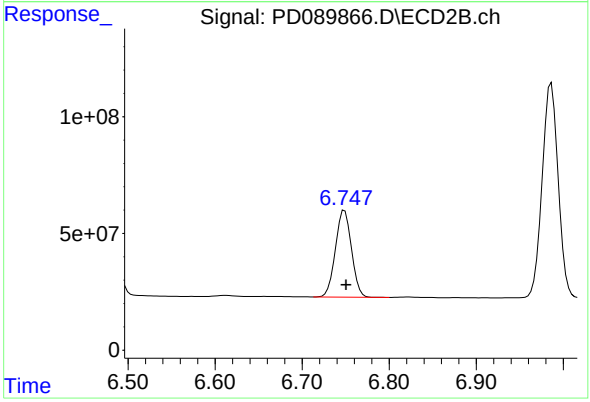
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: -0.001 min
Response: 1019980012
Conc: 54.94 ng/ml



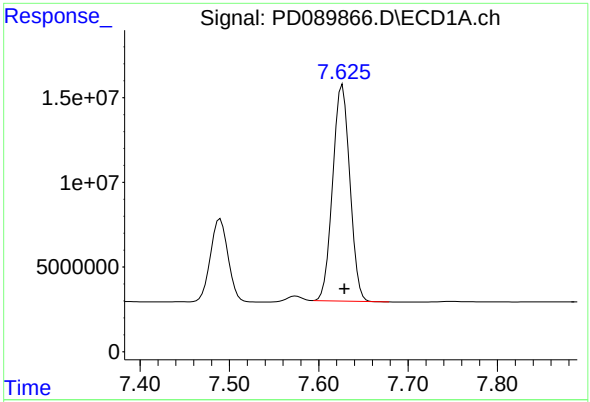
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 67235413
Conc: 37.60 ng/ml



#20 Methoxychlor

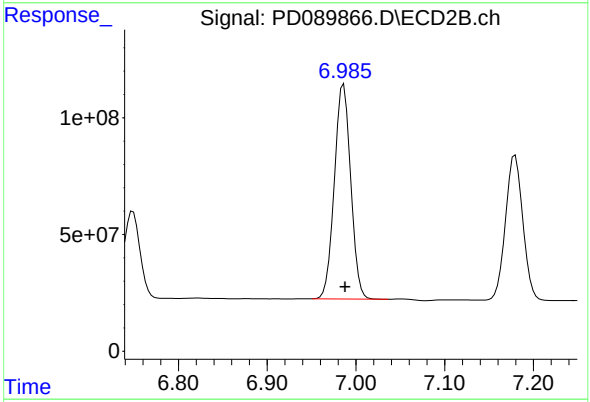
R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 477628730
Conc: 48.76 ng/ml



#21 Endrin ketone

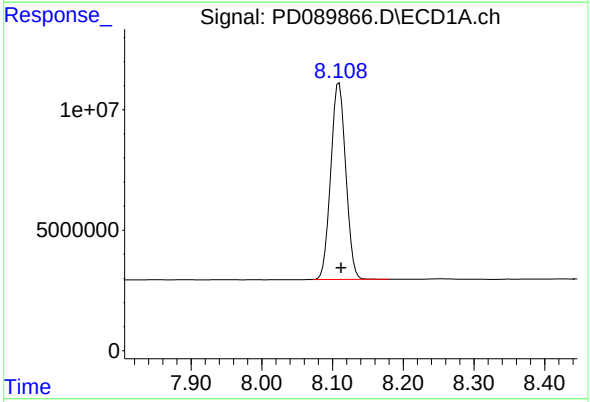
R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 170439878
Conc: 45.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



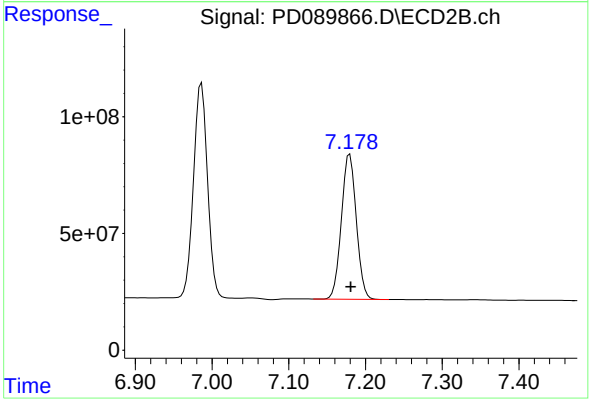
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.001 min
Response: 1177784308
Conc: 58.69 ng/ml



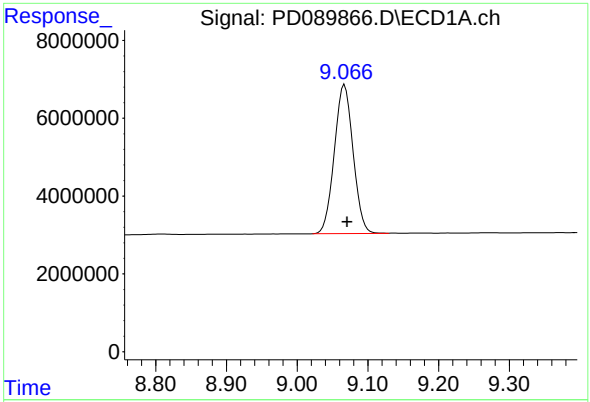
#22 Mirex

R.T.: 8.109 min
Delta R.T.: -0.003 min
Response: 120218476
Conc: 43.12 ng/ml



#22 Mirex

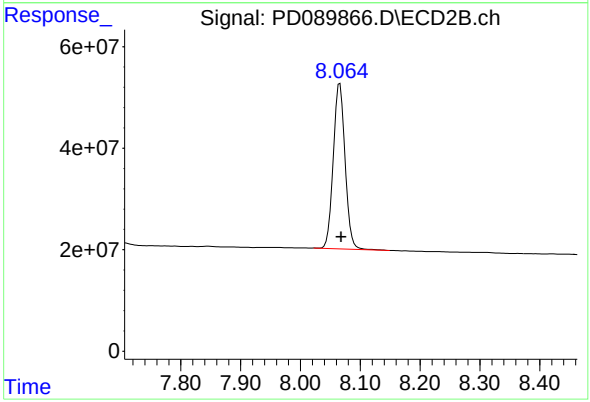
R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 842135207
Conc: 55.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 70500693
Conc: 18.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BS



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 447851148
Conc: 22.31 ng/ml

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-WMS	SDG No.:	Q2820
Lab Sample ID:	Q2819-14MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 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
PD089894.D	1	08/12/25 08:16	08/14/25 14:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	22.8		0.15	0.39	2.00	ug/kg
319-85-7	beta-BHC	22.8		0.21	0.97	2.00	ug/kg
319-86-8	delta-BHC	23.3		0.46	0.97	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	22.9		0.16	0.39	2.00	ug/kg
76-44-8	Heptachlor	22.0		0.14	0.39	2.00	ug/kg
309-00-2	Aldrin	25.9	P	0.14	0.39	2.00	ug/kg
1024-57-3	Heptachlor epoxide	31.4		0.22	0.97	2.00	ug/kg
959-98-8	Endosulfan I	23.7		0.16	0.39	2.00	ug/kg
60-57-1	Dieldrin	24.7		0.16	0.39	2.00	ug/kg
72-55-9	4,4-DDE	30.5		0.16	0.39	2.00	ug/kg
72-20-8	Endrin	34.4	P	0.16	0.39	2.00	ug/kg
33213-65-9	Endosulfan II	100	EP	0.34	0.97	2.00	ug/kg
72-54-8	4,4-DDD	16.3		0.18	0.39	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	21.3		0.15	0.39	2.00	ug/kg
50-29-3	4,4-DDT	32.2		0.16	0.39	2.00	ug/kg
72-43-5	Methoxychlor	19.2		0.43	0.97	2.00	ug/kg
53494-70-5	Endrin ketone	21.0		0.22	0.97	2.00	ug/kg
7421-93-4	Endrin aldehyde	22.9		0.43	0.97	2.00	ug/kg
5103-71-9	alpha-Chlordane	384	EP	0.14	0.39	2.00	ug/kg
5103-74-2	gamma-Chlordane	327	EP	0.18	0.39	2.00	ug/kg
8001-35-2	Toxaphene	19.8	U	6.30	19.8	38.5	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.7		55 - 130		88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		42 - 129		107%	SPK: 20

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-WMS	SDG No.:	Q2820
Lab Sample ID:	Q2819-14MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 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
PD089894.D	1	08/12/25 08:16	08/14/25 14:14	PB169206

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\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
17M-WMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 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...	3.548	2.877	42641031	337.8E6	17.287	21.329m
28)	SA Decachlor...	9.070	8.067	45831658	355.0E6	12.333	17.684 #
	Target Compounds						
2)	A alpha-BHC	3.998	3.389	255.0E6	1426.7E6	51.475	58.702m
3)	MA gamma-BHC...	4.329	3.727	235.3E6	1324.6E6	49.509	58.809
4)	MA Heptachlor	4.927	4.079	237.1E6	1314.7E6	49.267	56.647
5)	MB Aldrin	5.263	4.365	172.8E6	1478.0E6	37.848m	66.426 #
6)	B beta-BHC	4.515	4.023	90363742	564.7E6	48.986	58.529
7)	B delta-BHC	4.764	4.259	227.8E6	1357.5E6	49.662	59.760
8)	B Heptachlo...	5.683	4.869	285.3E6	1660.3E6	68.251m	80.794
9)	A Endosulfan I	6.071	5.239	196.0E6	1192.9E6	49.444	61.021m
10)	B gamma-Chl...	5.944	5.127	3510.5E6	10951.0E6	840.029	505.743 #
11)	B alpha-Chl...	6.026	5.181	4153.1E6	12306.5E6	987.849	591.036 #
12)	B 4,4'-DDE	6.193	5.371	292.3E6	1422.5E6	78.378	67.299
13)	MA Dieldrin	6.345	5.507	220.8E6	1373.1E6	52.270	63.456m
14)	MA Endrin	6.571	5.785	155.7E6	1758.7E6	43.509m	88.267m#
15)	B Endosulfa...	6.785	6.084	205.4E6	4836.0E6	55.982	257.240 #
16)	A 4,4'-DDD	6.701	5.925	125.2E6	705.2E6	41.807m	39.992
17)	MA 4,4'-DDT	7.019	6.179	204.7E6	1520.0E6	60.923	82.734 #
18)	B Endrin al...	6.914	6.255	135.6E6	758.8E6	54.336	58.725
19)	B Endosulfa...	7.149	6.478	180.6E6	1014.2E6	52.047	54.626
20)	A Methoxychlor	7.492	6.749	67095468	483.8E6	37.526	49.388 #
21)	B Endrin ke...	7.628	6.987	157.2E6	1080.7E6	42.336	53.853 #
22)	Mirex	8.112	7.179	122.6E6	875.0E6	43.967	57.483m#

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

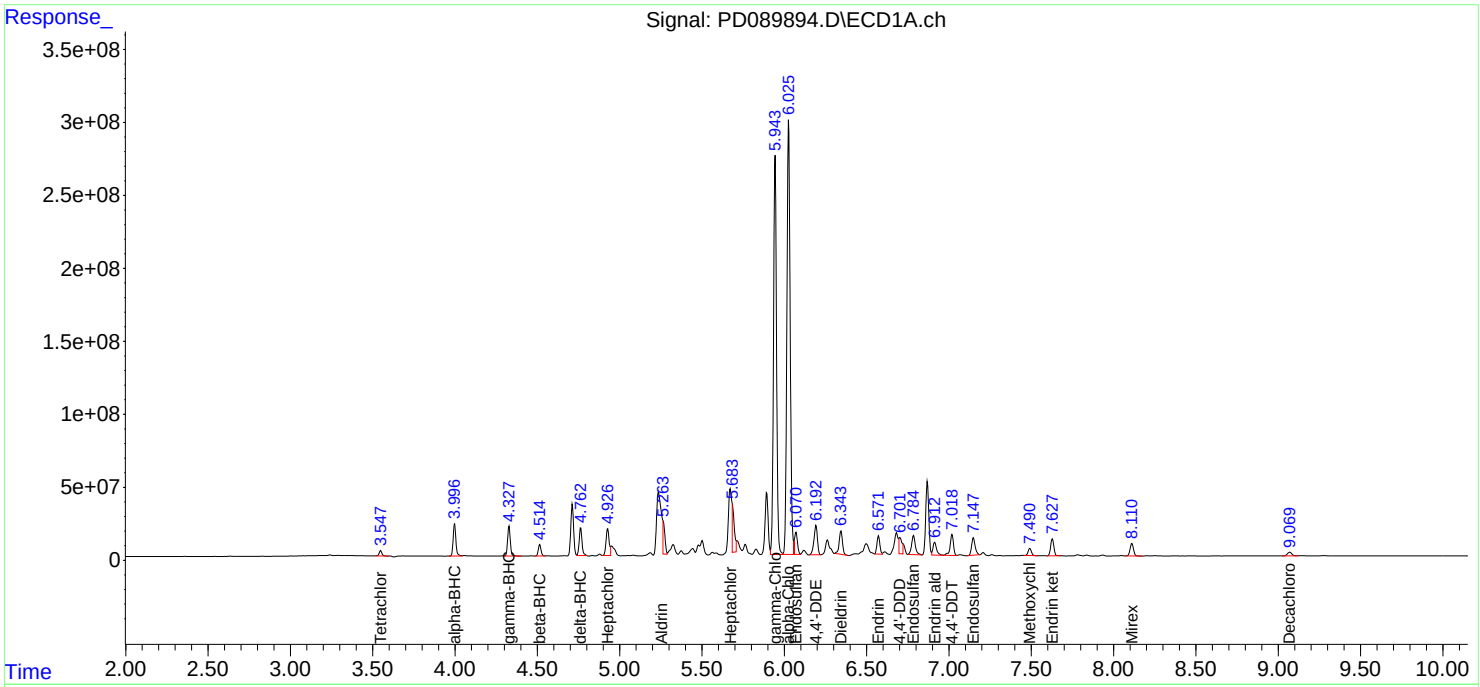
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

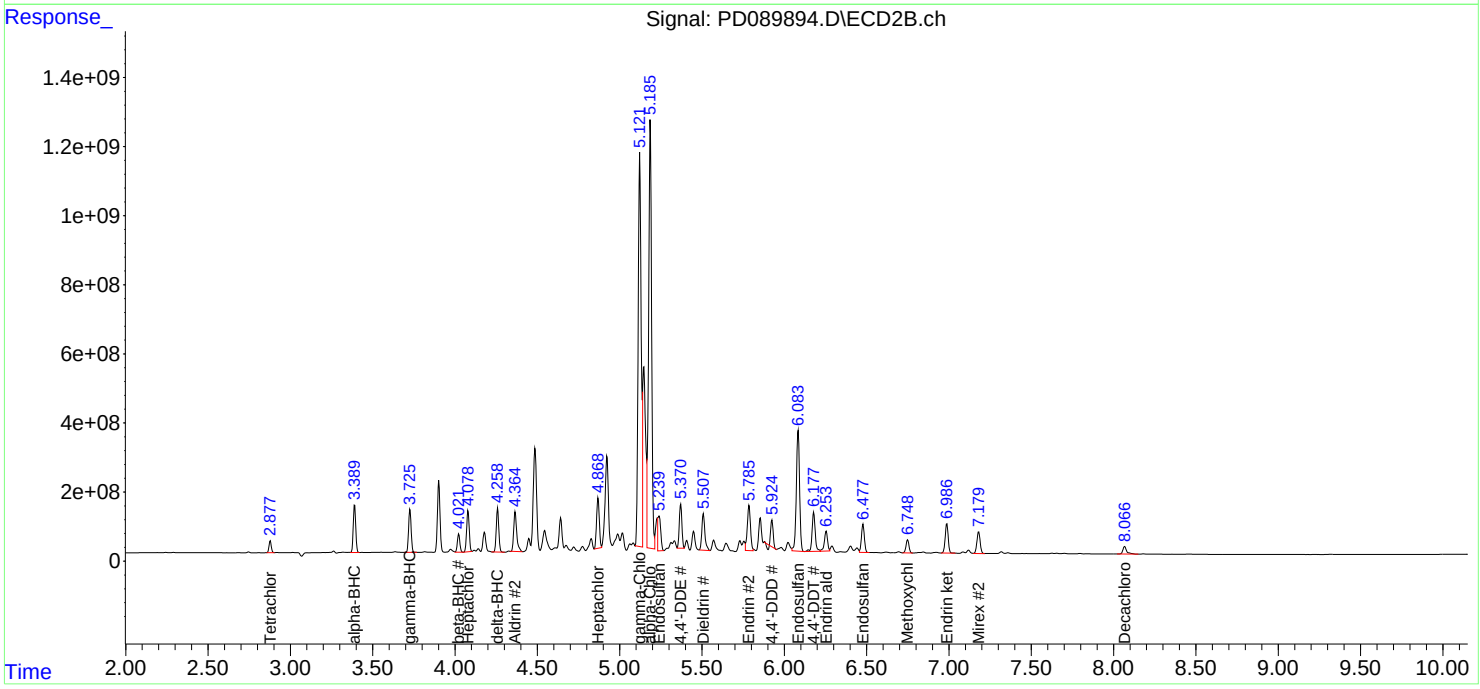
Instrument :
ECD_D
ClientSampleId :
17M-WMS

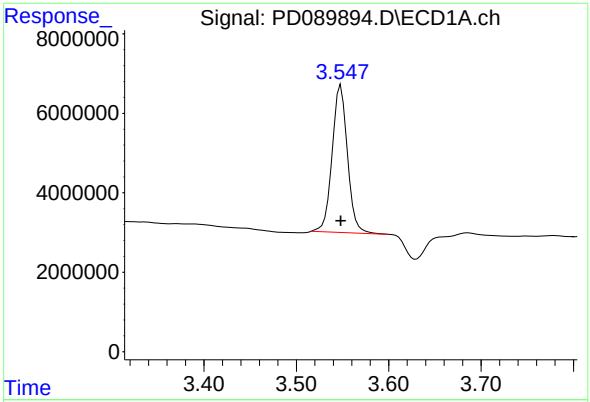
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response 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







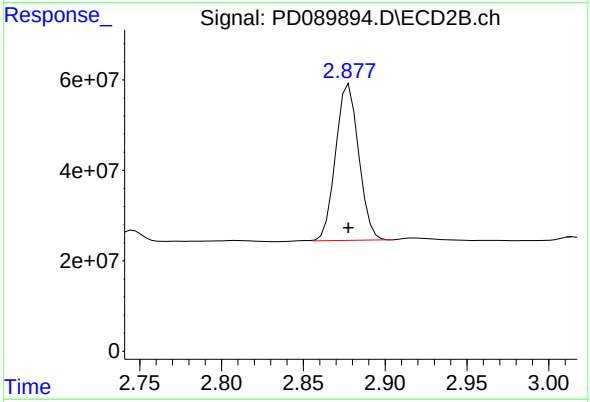
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 42641031
Conc: 17.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

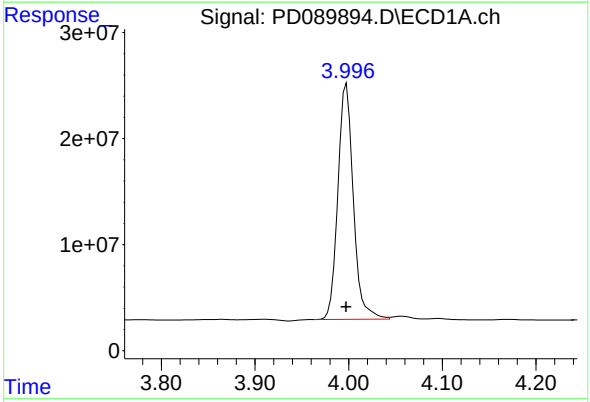
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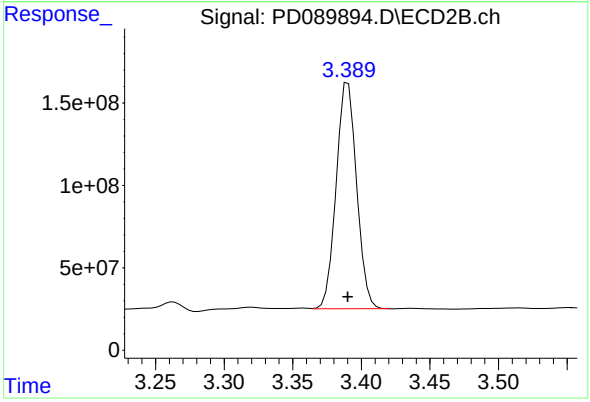
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 337799027
Conc: 21.33 ng/ml m



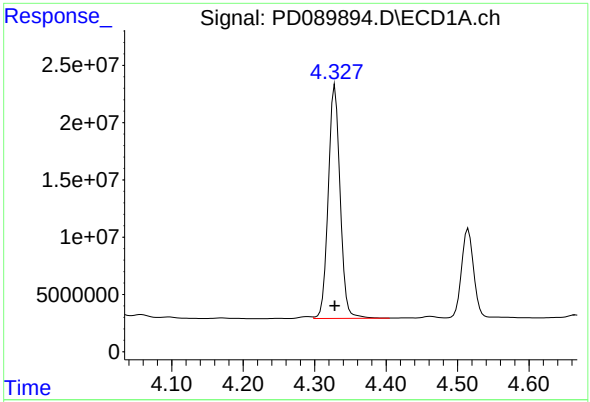
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 254981415
Conc: 51.47 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 1426737874
Conc: 58.70 ng/ml m



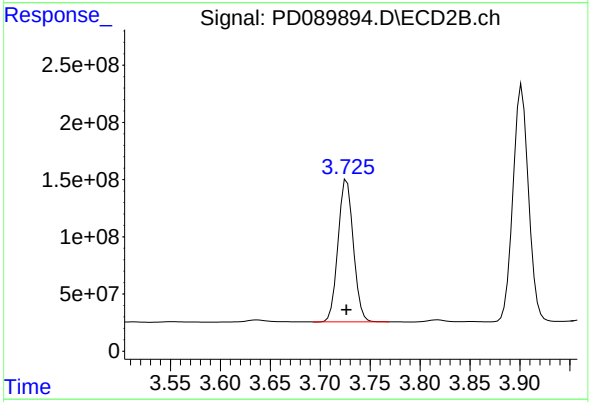
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 235282913
Conc: 49.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

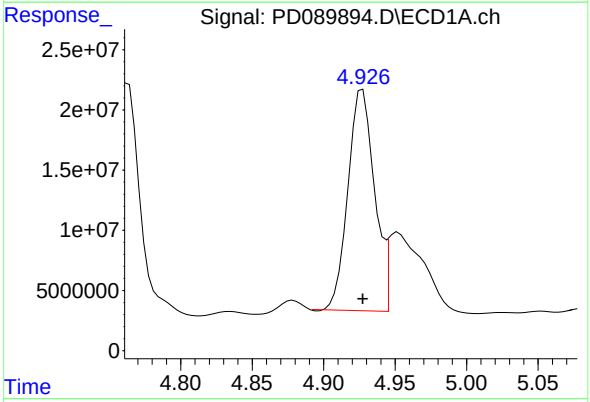
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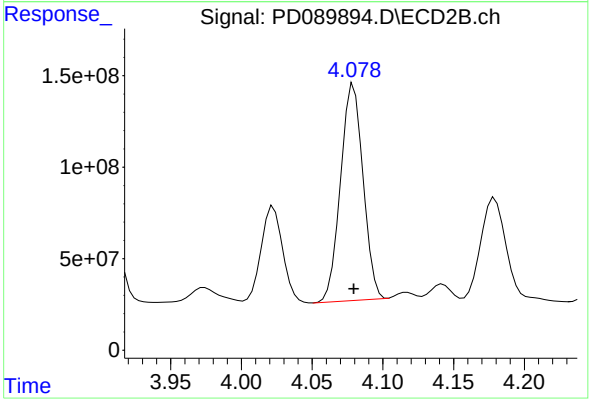
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1324623033
Conc: 58.81 ng/ml



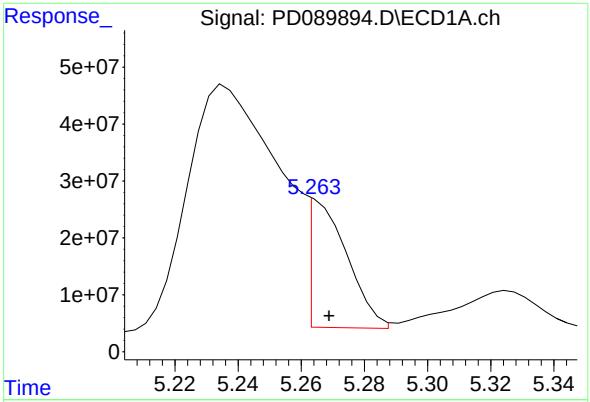
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 237051619
Conc: 49.27 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1314734892
Conc: 56.65 ng/ml



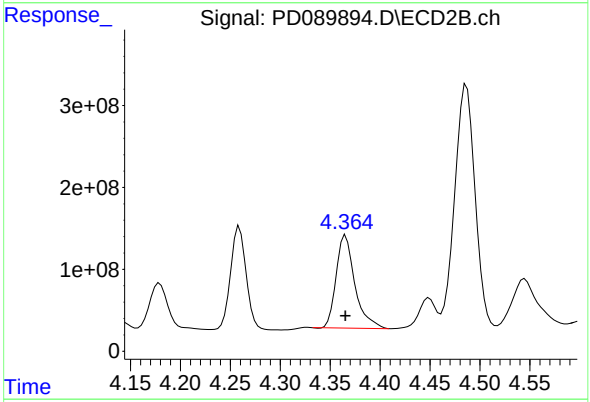
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.006 min
Response: 172770837
Conc: 37.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

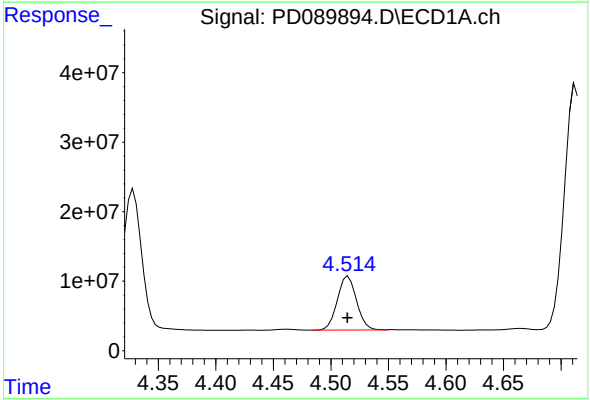
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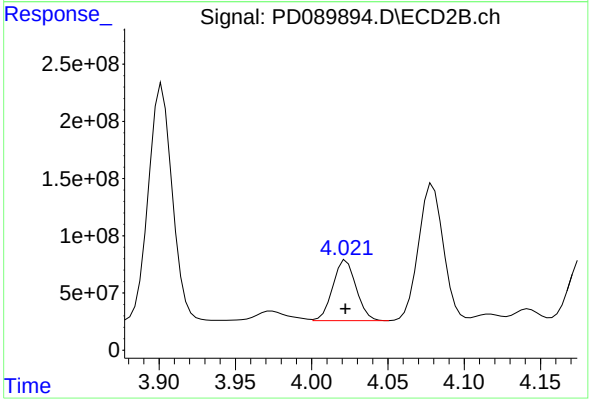
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1478030354
Conc: 66.43 ng/ml



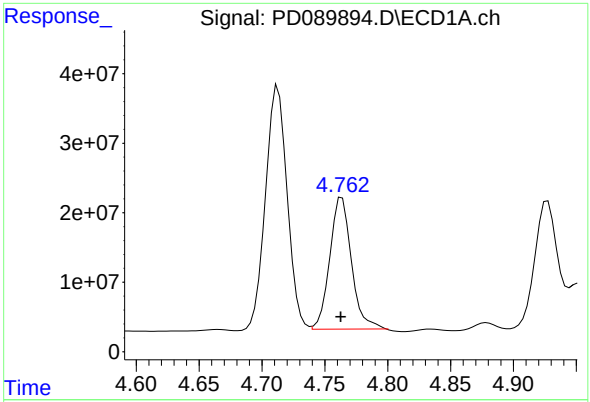
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 90363742
Conc: 48.99 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 564746511
Conc: 58.53 ng/ml



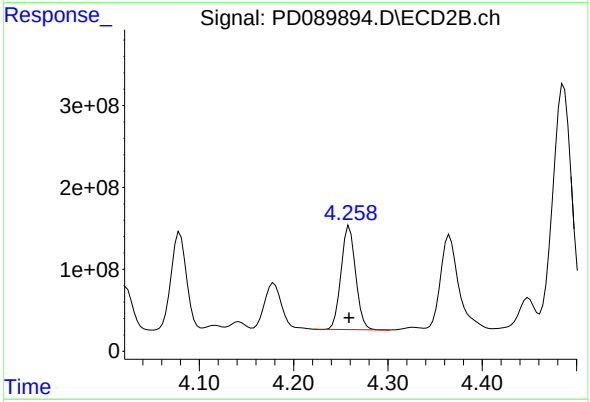
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.001 min
Response: 227761305
Conc: 49.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

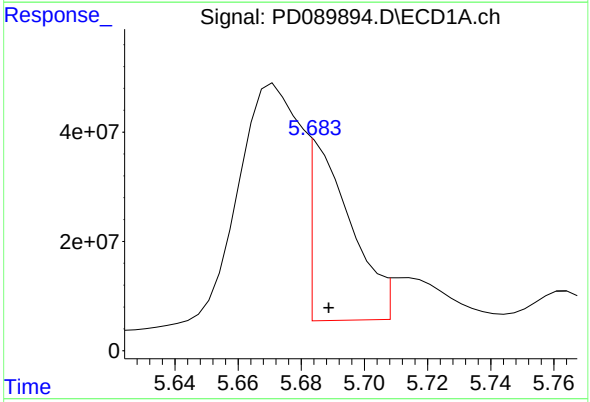
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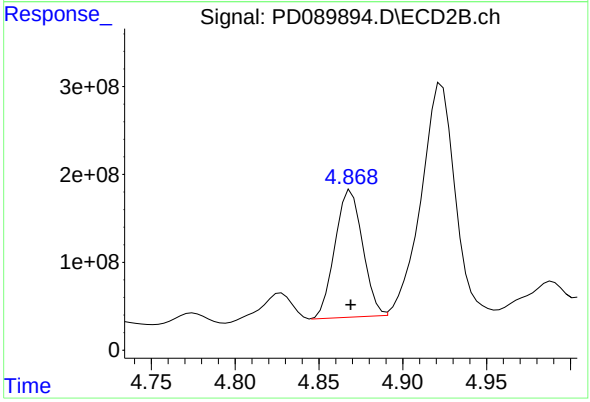
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1357460654
Conc: 59.76 ng/ml



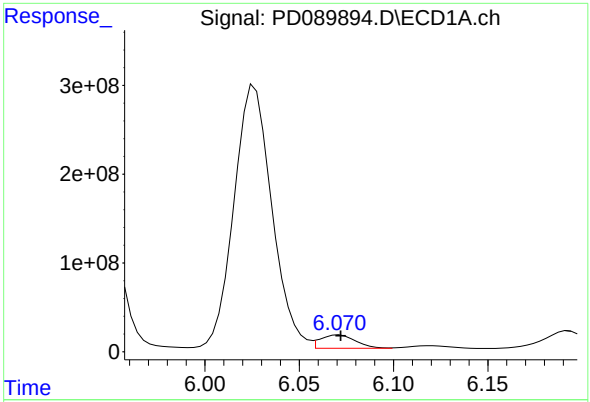
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.005 min
Response: 285337001
Conc: 68.25 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1660309553
Conc: 80.79 ng/ml



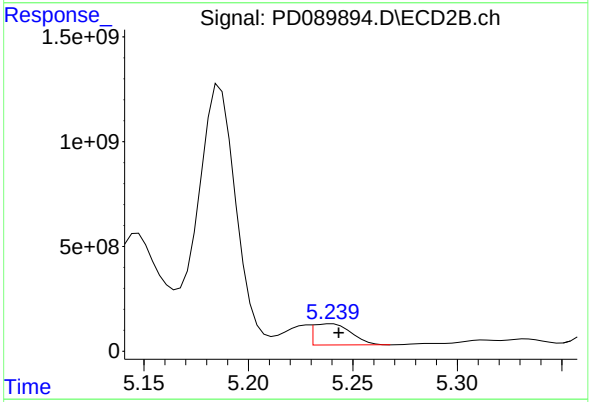
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 195976390
Conc: 49.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

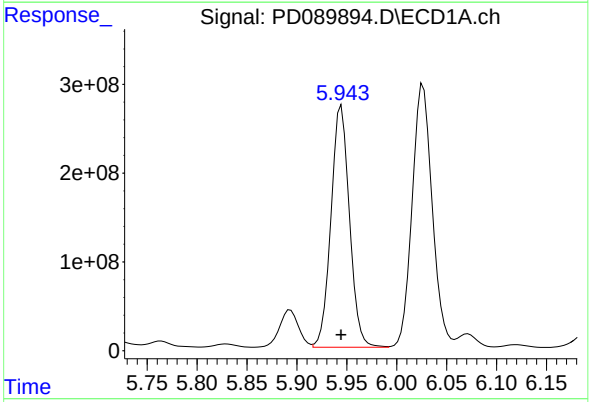
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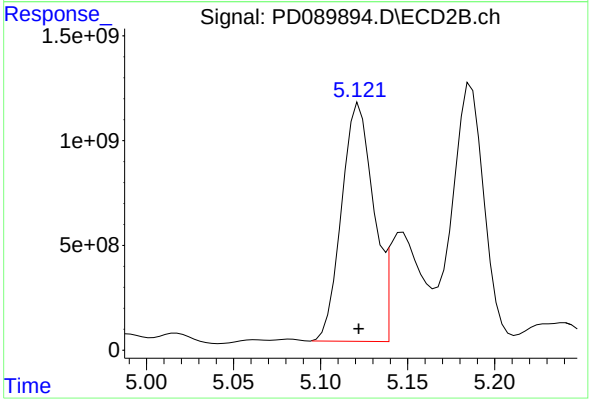
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.004 min
Response: 1192853113
Conc: 61.02 ng/ml m



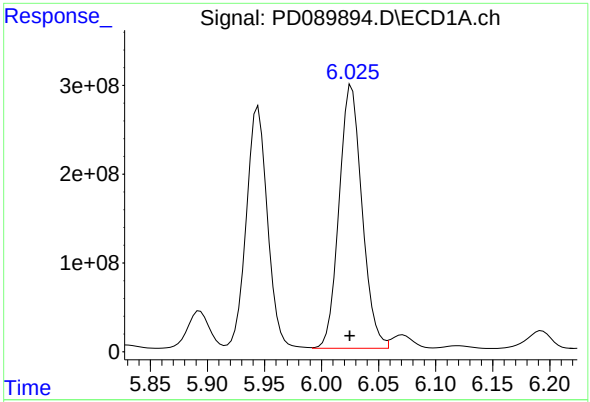
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 3510548128
Conc: 840.03 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10951014704
Conc: 505.74 ng/ml



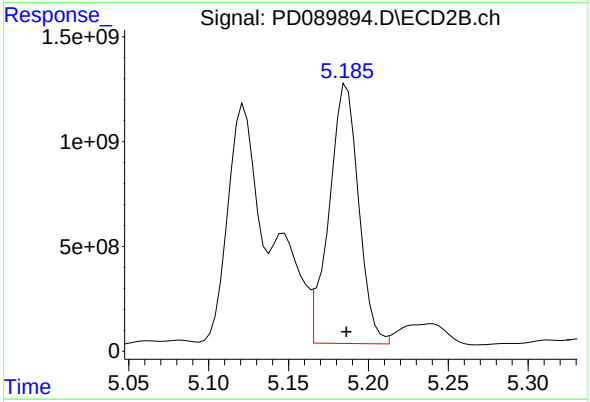
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 4153080429
Conc: 987.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

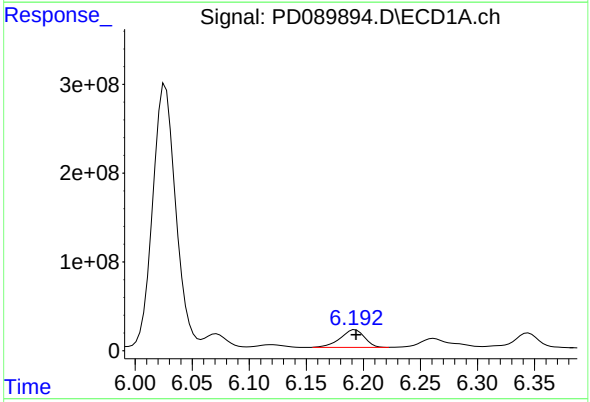
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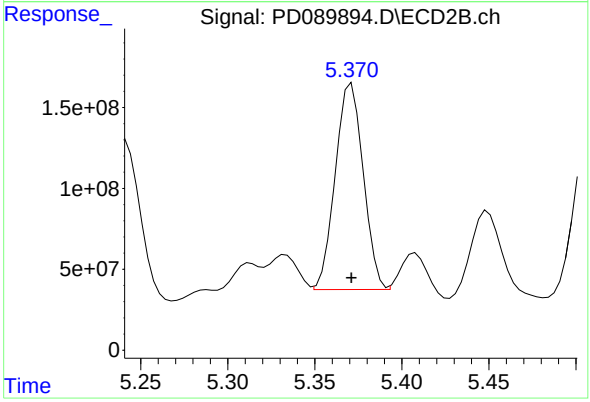
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 12306540350
Conc: 591.04 ng/ml



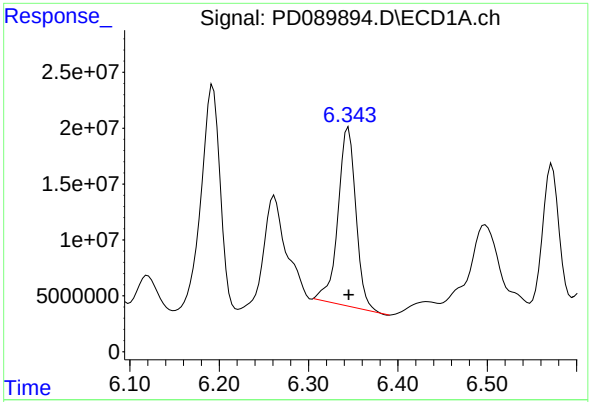
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 292330804
Conc: 78.38 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1422498907
Conc: 67.30 ng/ml



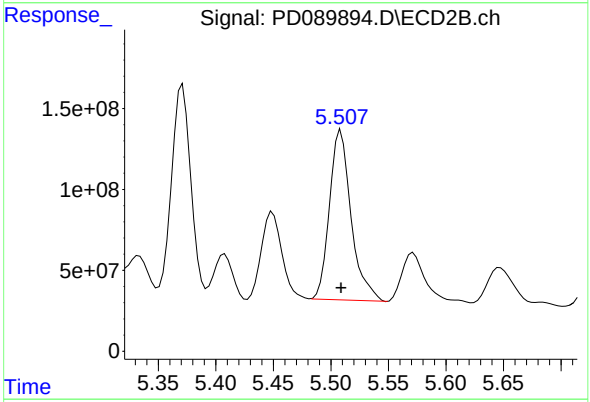
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 220756716
Conc: 52.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

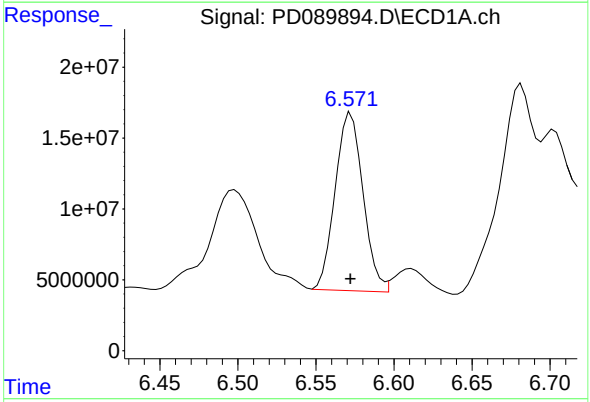
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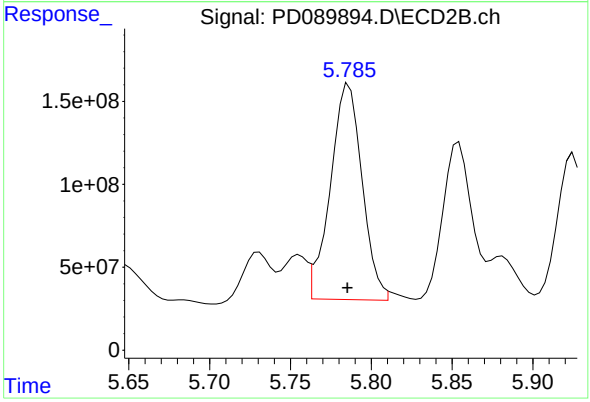
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.001 min
Response: 1373123132
Conc: 63.46 ng/ml m



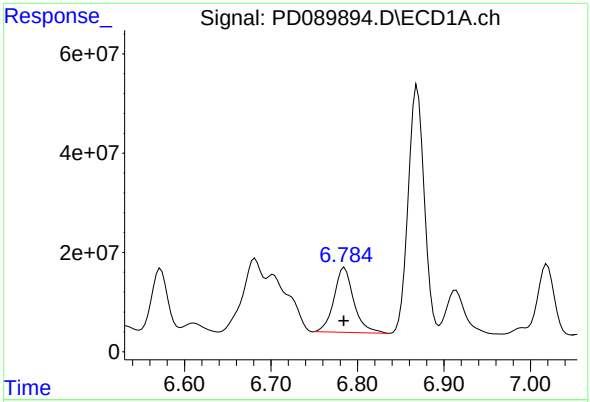
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 155664797
Conc: 43.51 ng/ml m



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1758727368
Conc: 88.27 ng/ml m



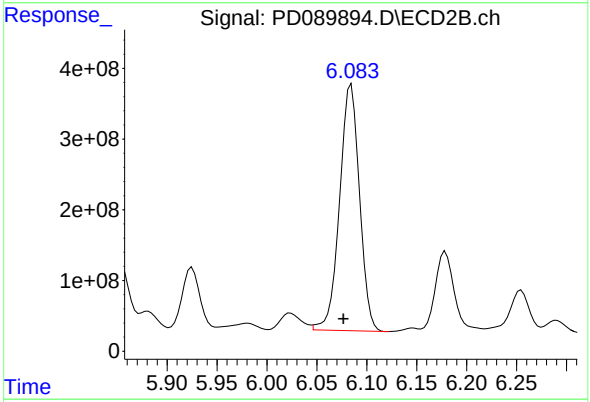
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 205418514
Conc: 55.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

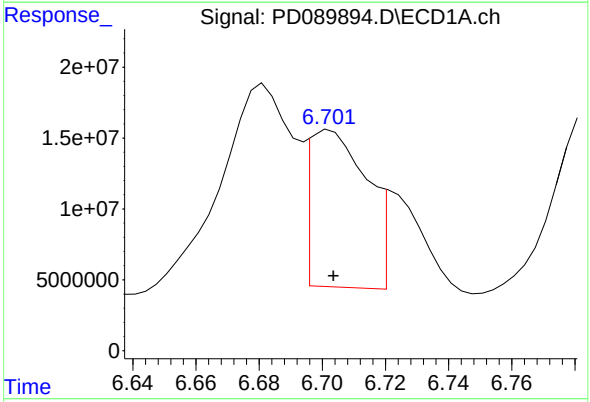
Manual Integrations
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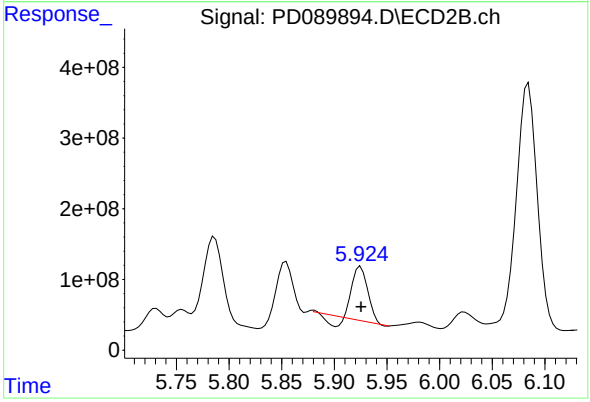
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.008 min
Response: 4835996685
Conc: 257.24 ng/ml



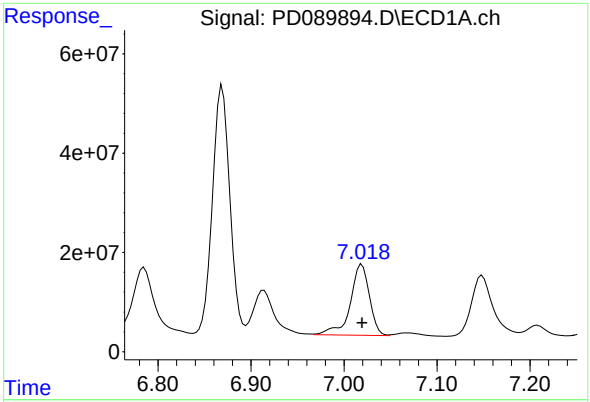
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 125205950
Conc: 41.81 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 705156008
Conc: 39.99 ng/ml



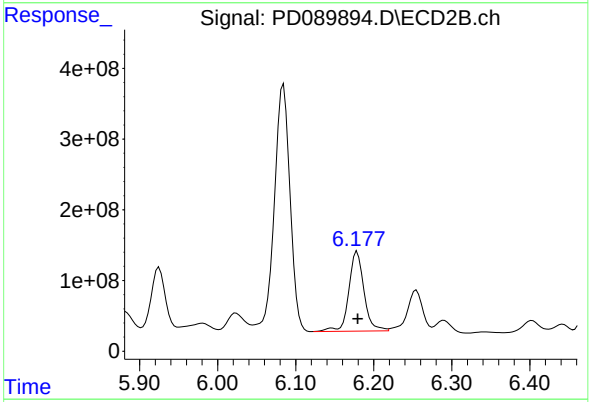
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 204717319
Conc: 60.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

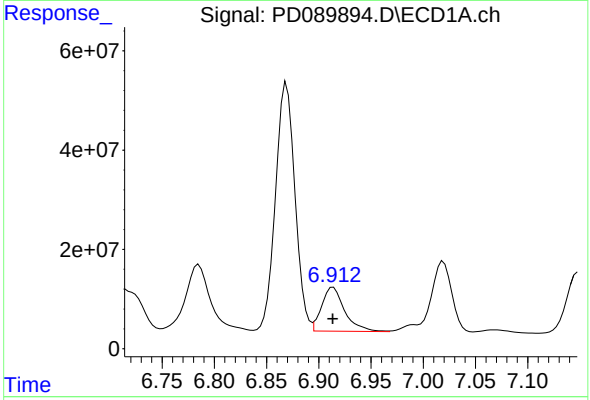
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



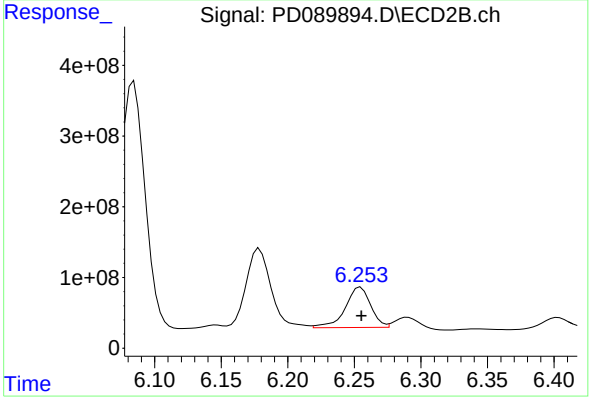
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1520036696
Conc: 82.73 ng/ml



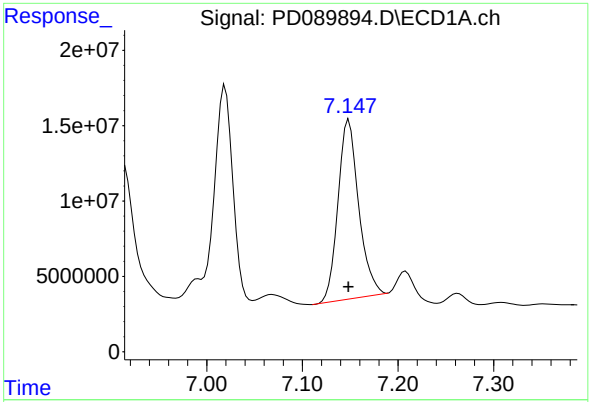
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 135599724
Conc: 54.34 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 758754293
Conc: 58.73 ng/ml



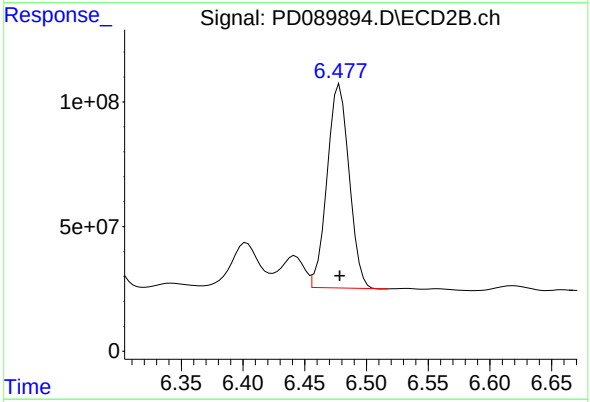
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 180604531
Conc: 52.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

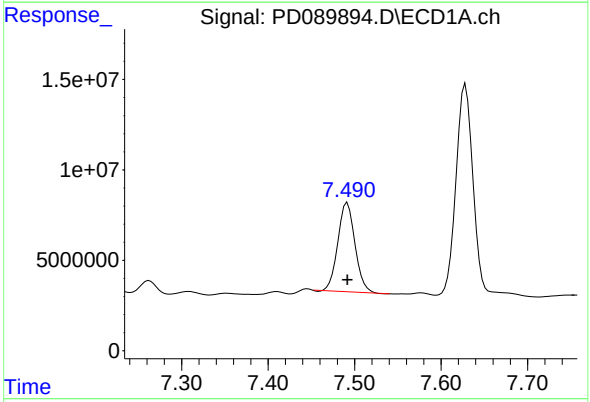
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



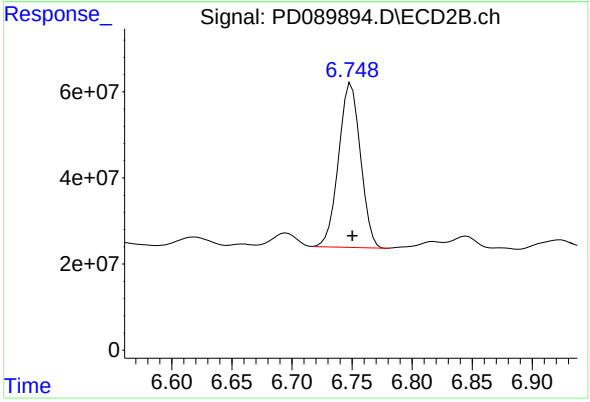
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1014163941
Conc: 54.63 ng/ml



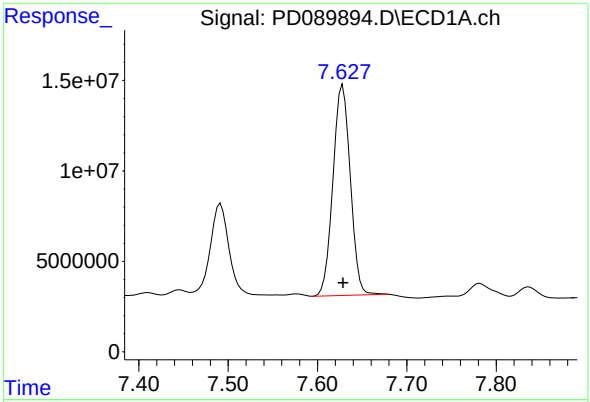
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 67095468
Conc: 37.53 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 483777795
Conc: 49.39 ng/ml



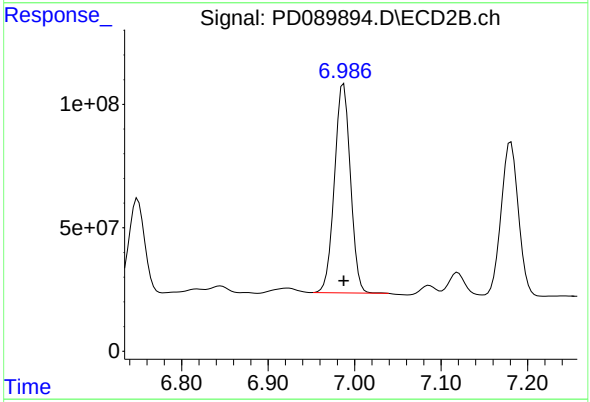
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 157240844
Conc: 42.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

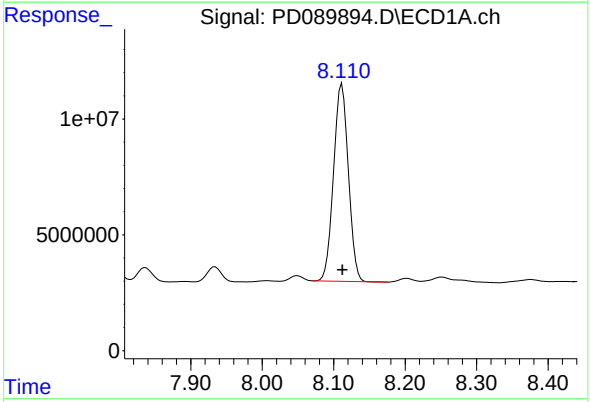
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



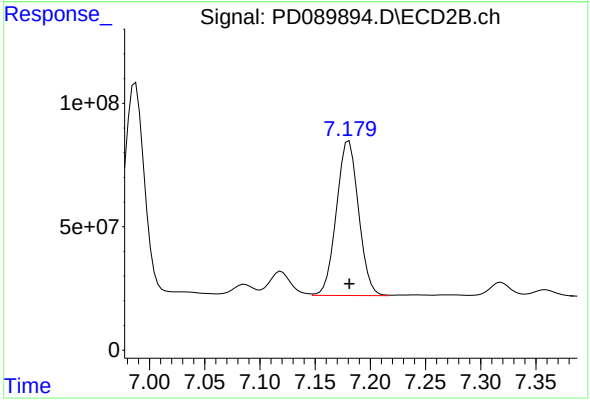
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1080724903
Conc: 53.85 ng/ml



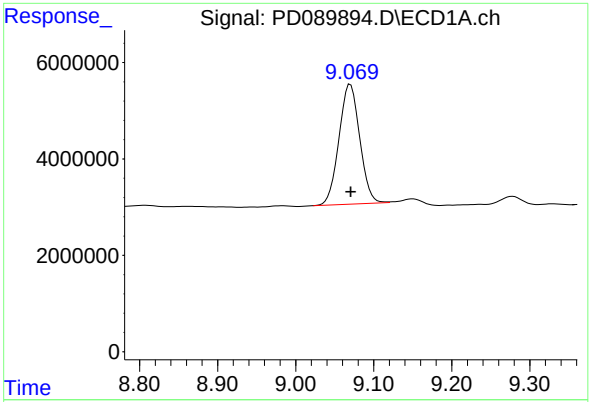
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 122593996
Conc: 43.97 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 874961051
Conc: 57.48 ng/ml m



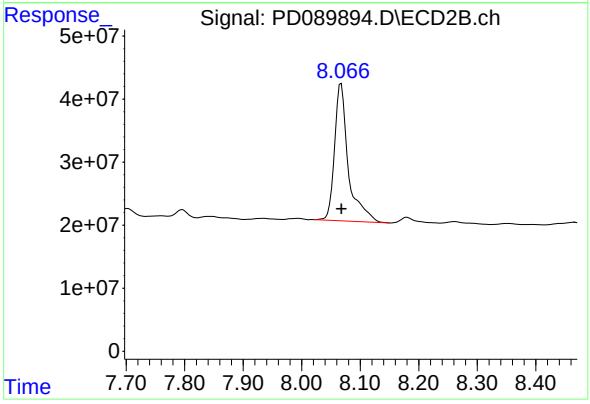
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 45831658
Conc: 12.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 355049200
Conc: 17.68 ng/ml

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-WMSD	SDG No.:	Q2820
Lab Sample ID:	Q2819-14MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 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
PD089895.D	1	08/12/25 08:16	08/14/25 14:28	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	22.7		0.15	0.39	2.00	ug/kg
319-85-7	beta-BHC	22.8		0.21	0.97	2.00	ug/kg
319-86-8	delta-BHC	23.5		0.46	0.97	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	23.0		0.16	0.39	2.00	ug/kg
76-44-8	Heptachlor	22.9		0.14	0.39	2.00	ug/kg
309-00-2	Aldrin	25.7		0.14	0.39	2.00	ug/kg
1024-57-3	Heptachlor epoxide	31.2		0.22	0.97	2.00	ug/kg
959-98-8	Endosulfan I	19.1		0.16	0.39	2.00	ug/kg
60-57-1	Dieldrin	24.7		0.16	0.39	2.00	ug/kg
72-55-9	4,4-DDE	30.1		0.16	0.39	2.00	ug/kg
72-20-8	Endrin	34.3	P	0.16	0.39	2.00	ug/kg
33213-65-9	Endosulfan II	101	EP	0.34	0.97	2.00	ug/kg
72-54-8	4,4-DDD	24.0		0.18	0.39	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	21.8		0.15	0.39	2.00	ug/kg
50-29-3	4,4-DDT	33.3		0.16	0.39	2.00	ug/kg
72-43-5	Methoxychlor	20.5		0.43	0.97	2.00	ug/kg
53494-70-5	Endrin ketone	21.6		0.22	0.97	2.00	ug/kg
7421-93-4	Endrin aldehyde	23.7		0.43	0.97	2.00	ug/kg
5103-71-9	alpha-Chlordane	383	EP	0.14	0.39	2.00	ug/kg
5103-74-2	gamma-Chlordane	325	EP	0.18	0.39	2.00	ug/kg
8001-35-2	Toxaphene	19.8	U	6.30	19.8	38.5	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.9		55 - 130		89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		42 - 129		108%	SPK: 20

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-WMSD	SDG No.:	Q2820
Lab Sample ID:	Q2819-14MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 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
PD089895.D	1	08/12/25 08:16	08/14/25 14:28	PB169206

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\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 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...	3.549	2.877	42100671	342.4E6	17.068	21.617m#
28)	SA Decachlor...	9.069	8.067	45436605	358.4E6	12.226	17.849 #
	Target Compounds						
2)	A alpha-BHC	3.998	3.389	253.8E6	1421.2E6	51.242	58.472m
3)	MA gamma-BHC...	4.329	3.727	234.7E6	1330.0E6	49.382	59.048
4)	MA Heptachlor	4.927	4.080	246.1E6	1368.2E6	51.145	58.952
5)	MB Aldrin	5.257	4.366	290.0E6	1471.3E6	63.529m	66.125
6)	B beta-BHC	4.515	4.023	90338615	566.3E6	48.973	58.694
7)	B delta-BHC	4.763	4.260	230.5E6	1372.3E6	50.254	60.414
8)	B Heptachlo...	5.682	4.869	309.8E6	1650.0E6	74.106m	80.295
9)	A Endosulfan I	6.072	5.239	195.1E6	804.9E6	49.212	41.176m
10)	B gamma-Chl...	5.945	5.127	3495.0E6	10875.0E6	836.311	502.231 #
11)	B alpha-Chl...	6.027	5.181	4144.7E6	12374.1E6	985.845	594.281 #
12)	B 4,4'-DDE	6.193	5.372	288.9E6	1394.5E6	77.450	65.972
13)	MA Dieldrin	6.345	5.508	221.0E6	1372.1E6	52.323	63.408m
14)	MA Endrin	6.573	5.785	140.6E6	1755.1E6	39.310	88.086m#
15)	B Endosulfa...	6.785	6.085	204.8E6	4872.5E6	55.817	259.180 #
16)	A 4,4'-DDD	6.701	5.924	129.0E6	1089.0E6	43.080m	61.760m#
17)	MA 4,4'-DDT	7.019	6.180	213.7E6	1575.0E6	63.611	85.727 #
18)	B Endrin al...	6.914	6.255	142.3E6	787.8E6	57.014	60.974
19)	B Endosulfa...	7.149	6.479	182.2E6	1040.6E6	52.502	56.052
20)	A Methoxychlor	7.492	6.750	79395593	517.3E6	44.405	52.806
21)	B Endrin ke...	7.629	6.987	162.6E6	1115.9E6	43.769	55.604 #
22)	Mirex	8.112	7.179	122.6E6	870.2E6	43.972	57.172m#

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

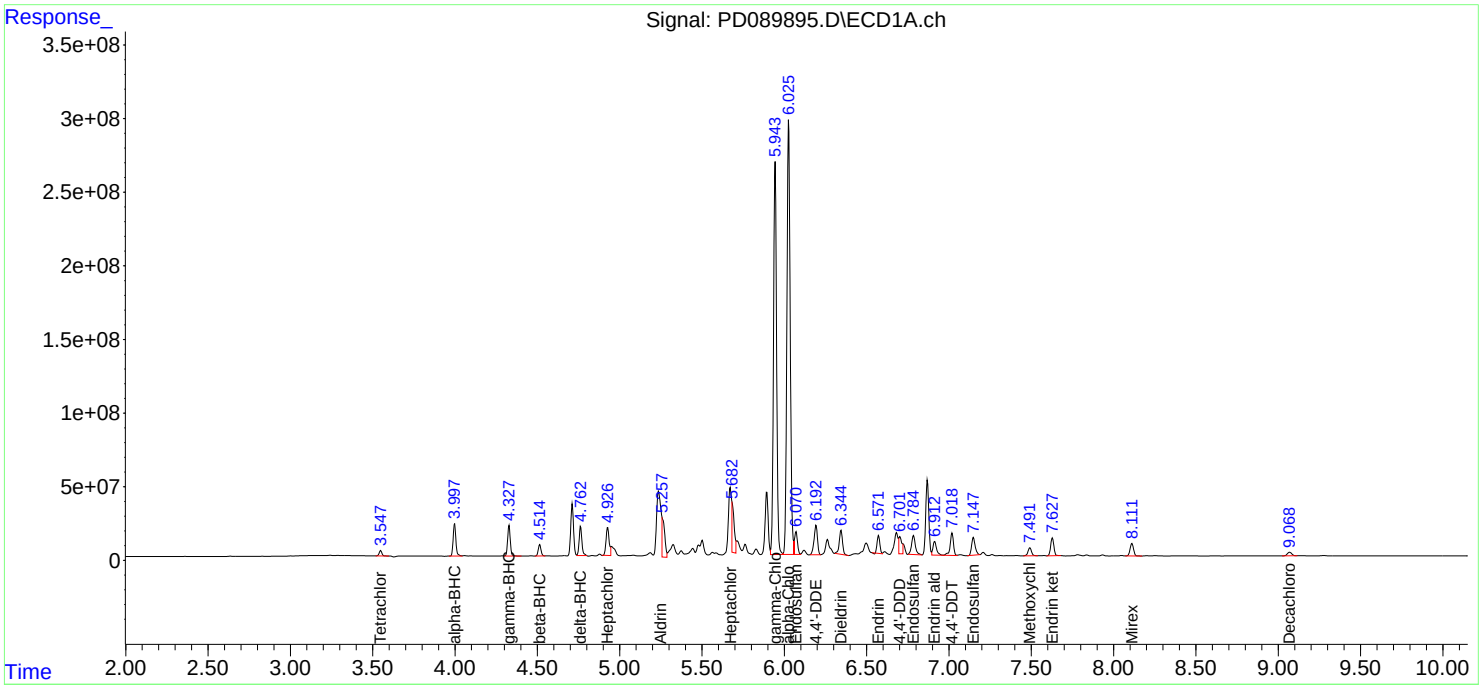
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

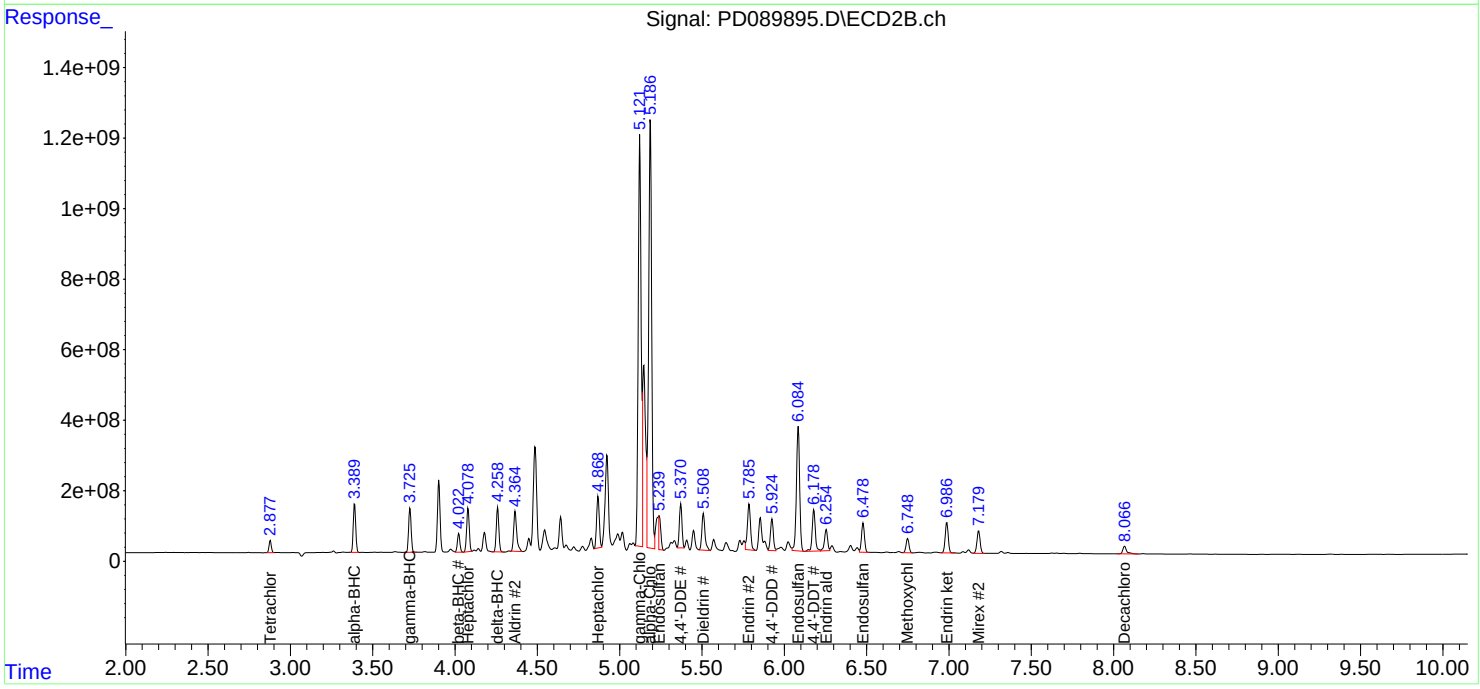
Instrument :
ECD_D
ClientSampleId :
17M-WMSD

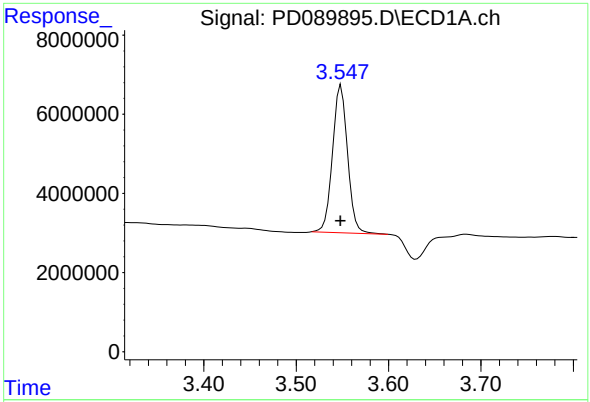
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 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







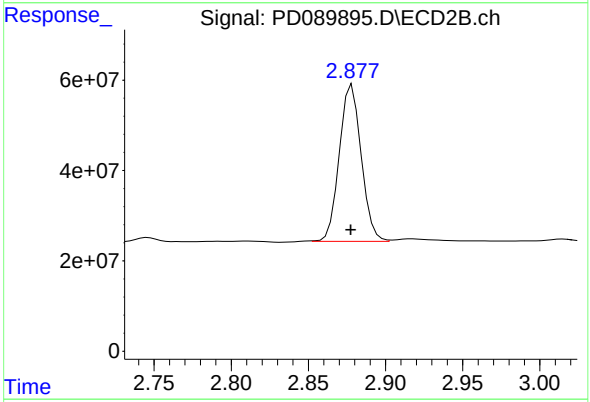
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 42100671
Conc: 17.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

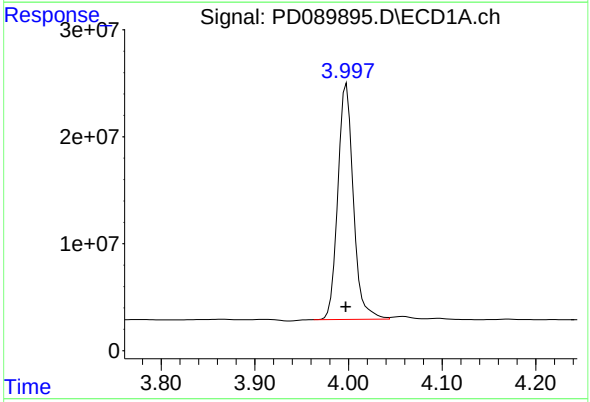
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



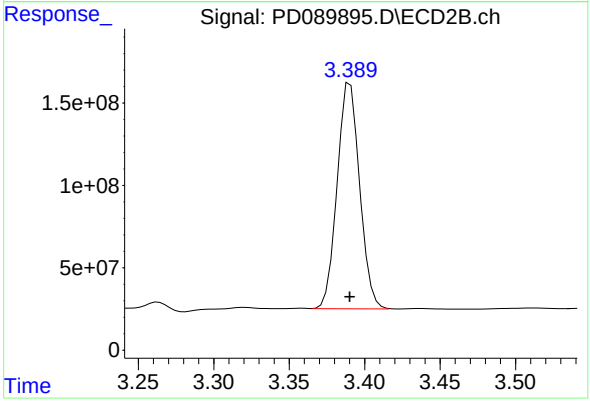
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 342363978
Conc: 21.62 ng/ml m



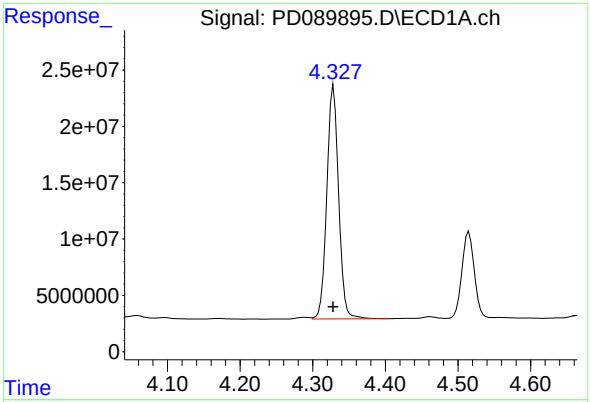
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 253826660
Conc: 51.24 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 1421163606
Conc: 58.47 ng/ml m



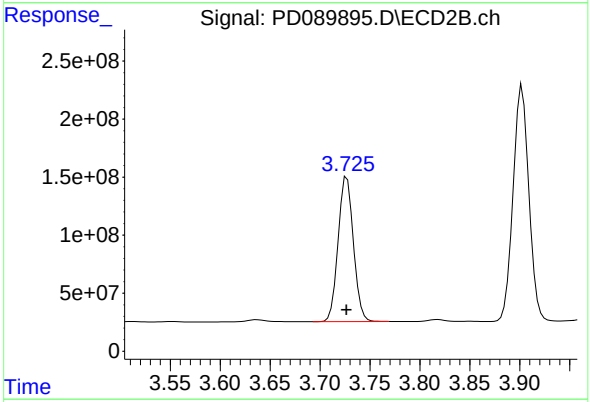
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 234680158
Conc: 49.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

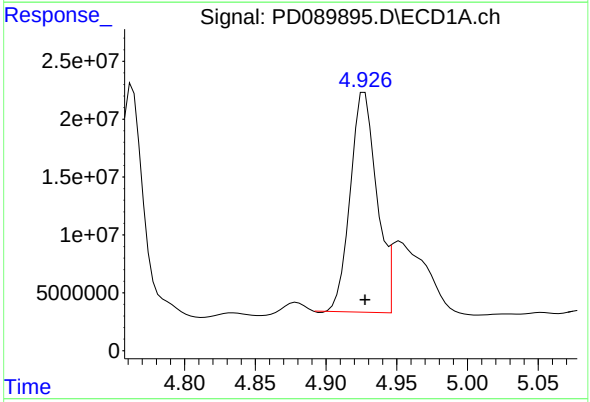
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



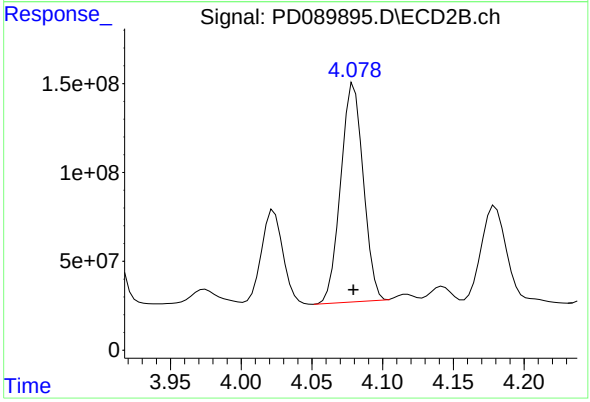
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1330012578
Conc: 59.05 ng/ml



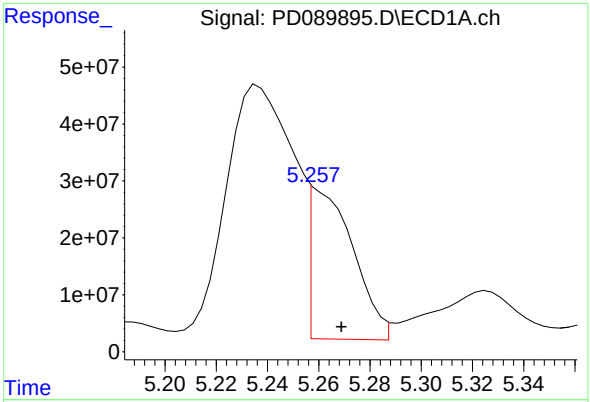
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 246086775
Conc: 51.15 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1368220382
Conc: 58.95 ng/ml



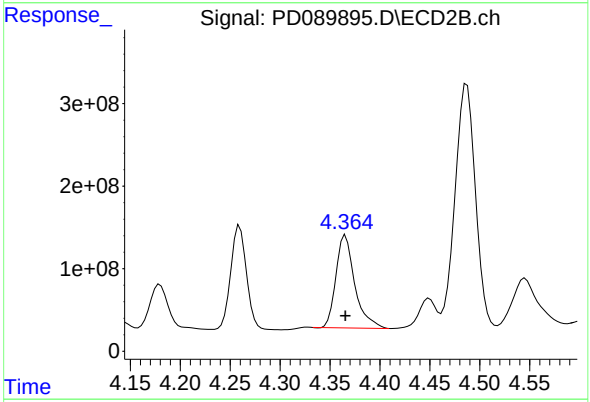
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: -0.012 min
Response: 290001880
Conc: 63.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

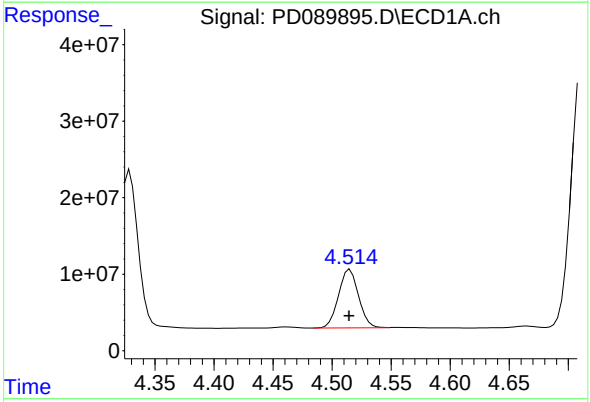
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Supervised By :mohammad ahmed 08/18/2025



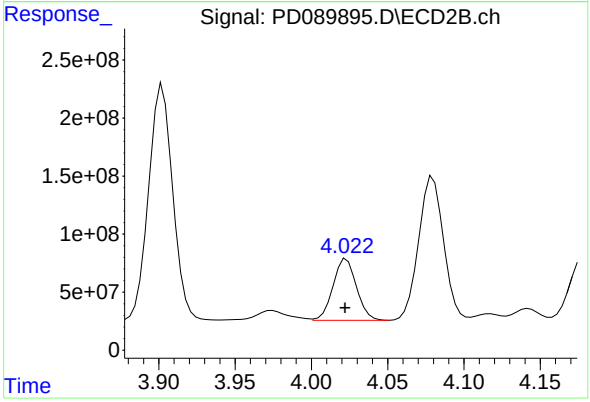
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1471322547
Conc: 66.12 ng/ml



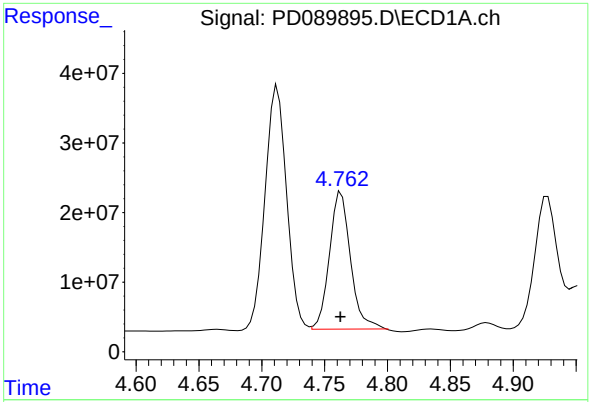
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 90338615
Conc: 48.97 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 566340799
Conc: 58.69 ng/ml



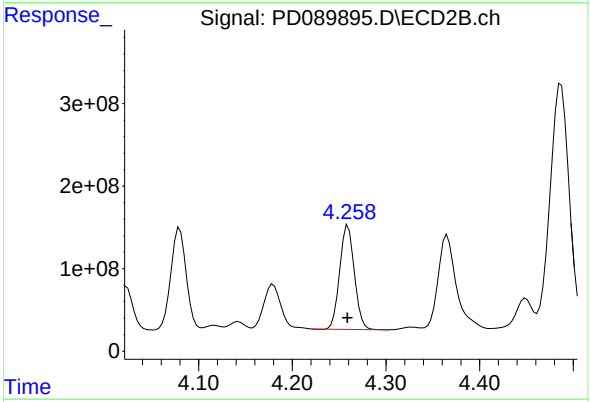
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 230477398
Conc: 50.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

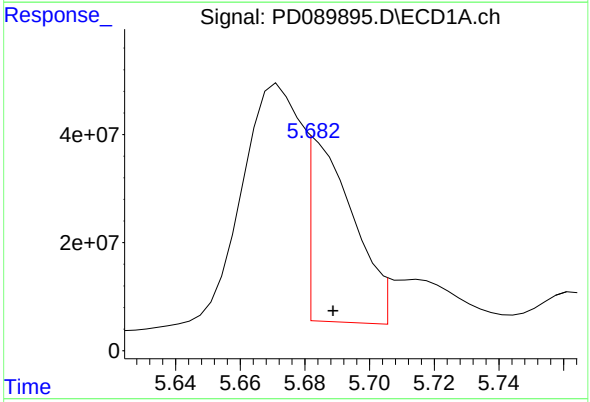
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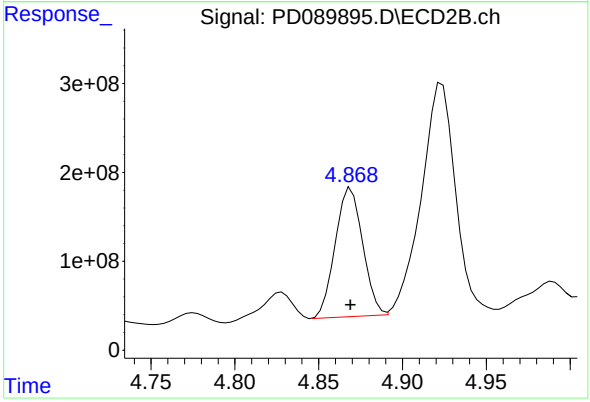
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1372306341
Conc: 60.41 ng/ml



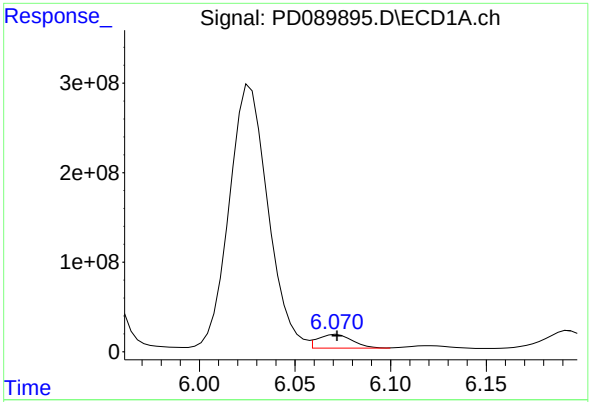
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.007 min
Response: 309817529
Conc: 74.11 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1650040280
Conc: 80.29 ng/ml



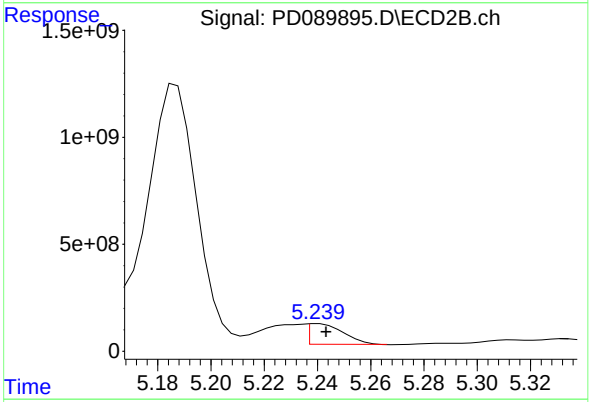
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 195059510
Conc: 49.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

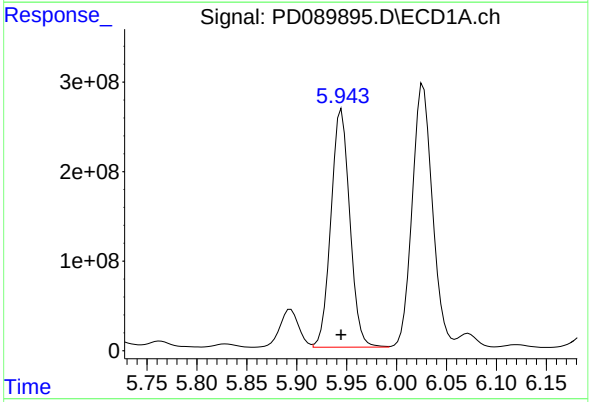
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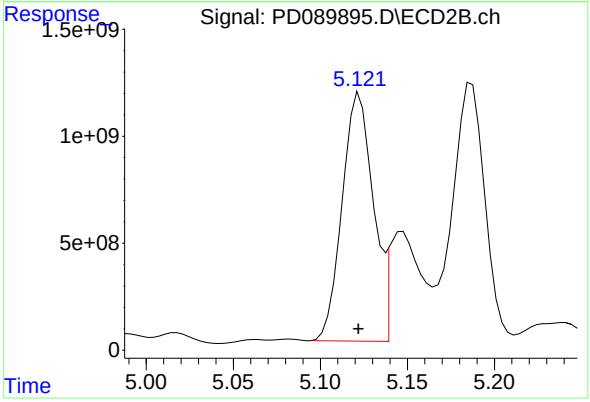
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.004 min
Response: 804924220
Conc: 41.18 ng/ml m



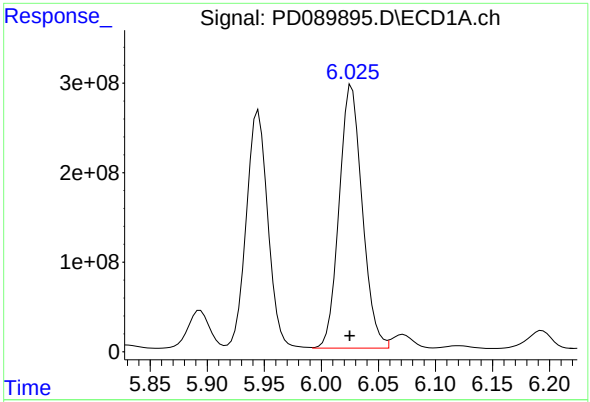
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 3495009453
Conc: 836.31 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10874985076
Conc: 502.23 ng/ml



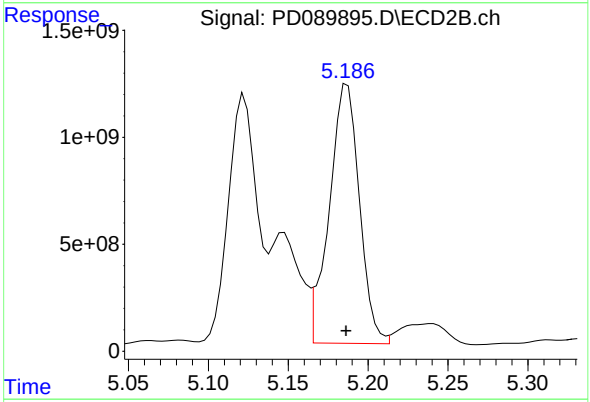
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 4144653669
Conc: 985.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

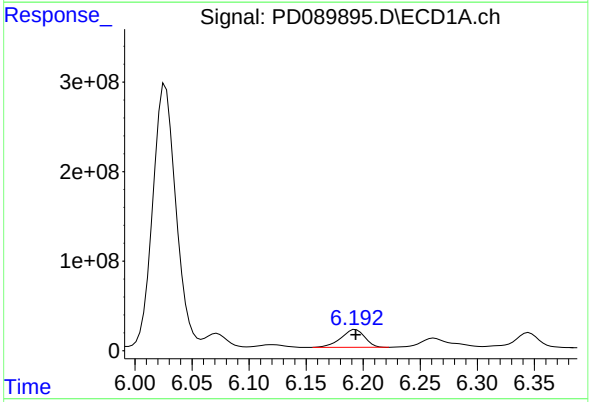
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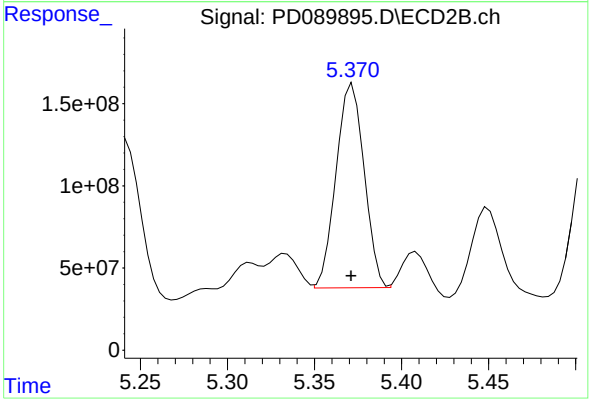
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 12374120744
Conc: 594.28 ng/ml



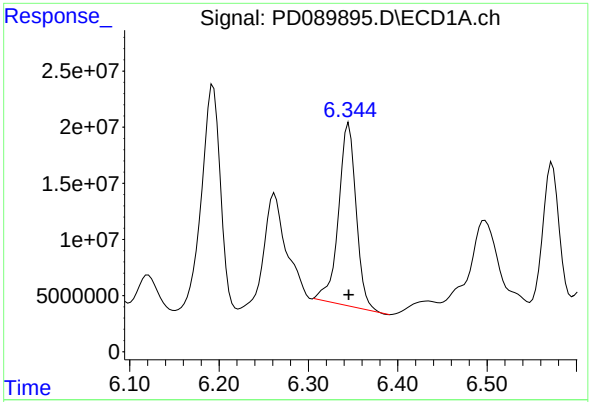
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 288870092
Conc: 77.45 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1394457825
Conc: 65.97 ng/ml



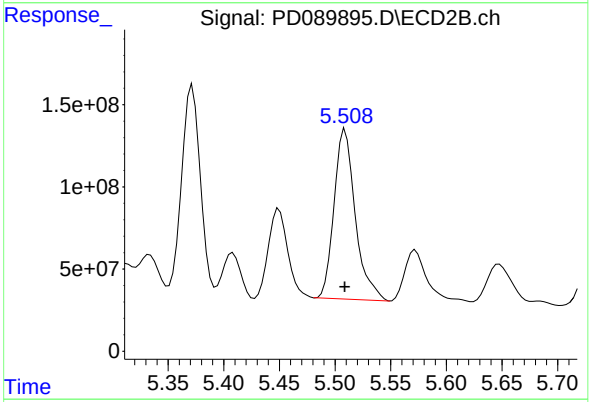
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 220982477
Conc: 52.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

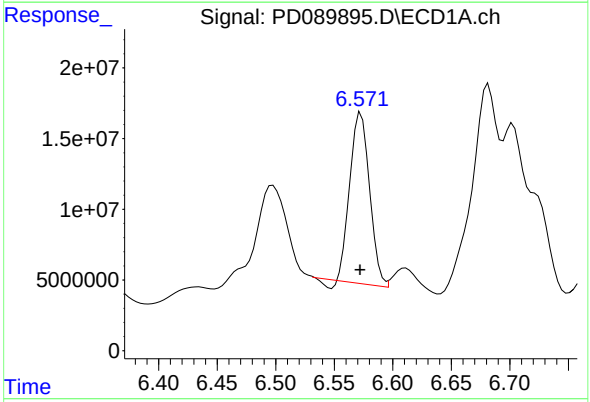
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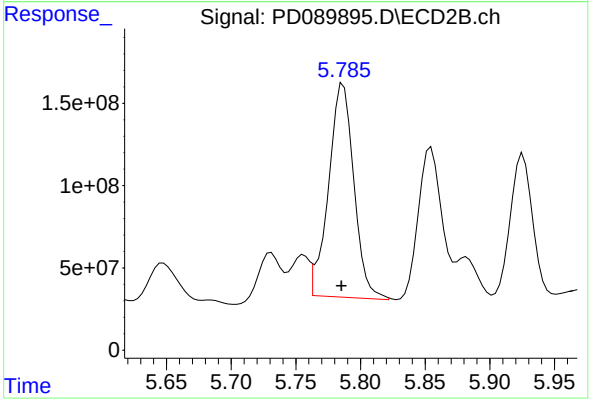
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1372089284
Conc: 63.41 ng/ml m



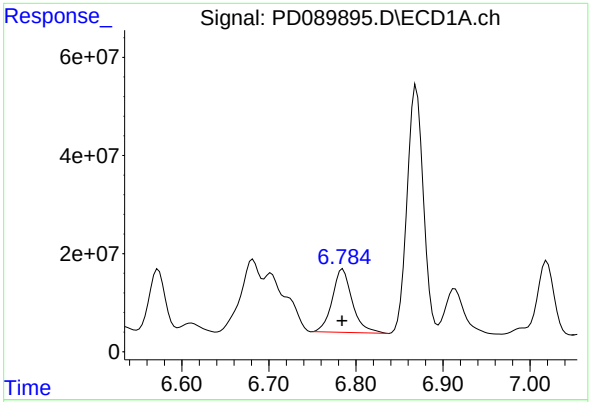
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 140638994
Conc: 39.31 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1755123477
Conc: 88.09 ng/ml m



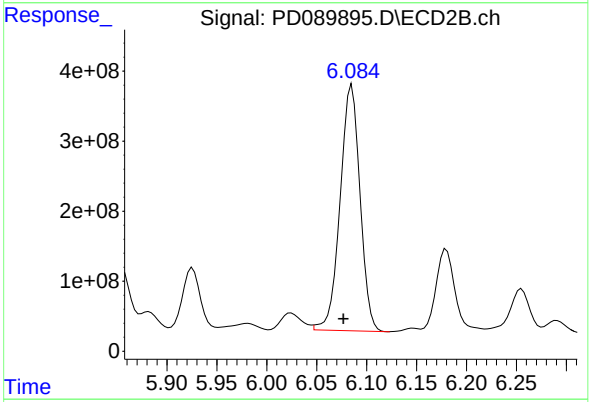
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 204812914
Conc: 55.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

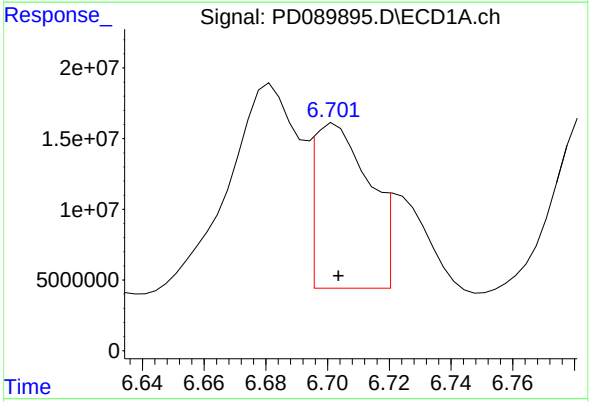
Manual Integrations
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Supervised By :mohammad ahmed 08/18/2025



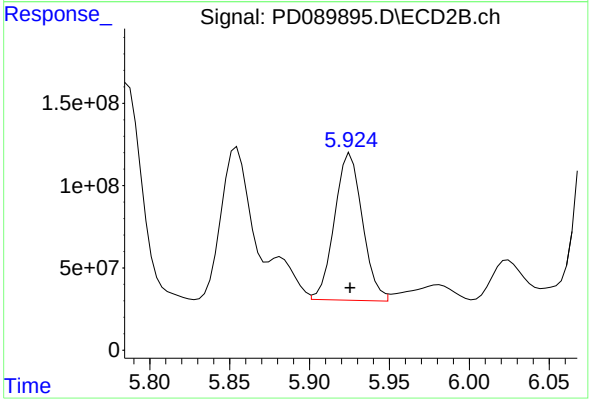
#15 Endosulfan II

R.T.: 6.085 min
Delta R.T.: 0.008 min
Response: 4872468456
Conc: 259.18 ng/ml



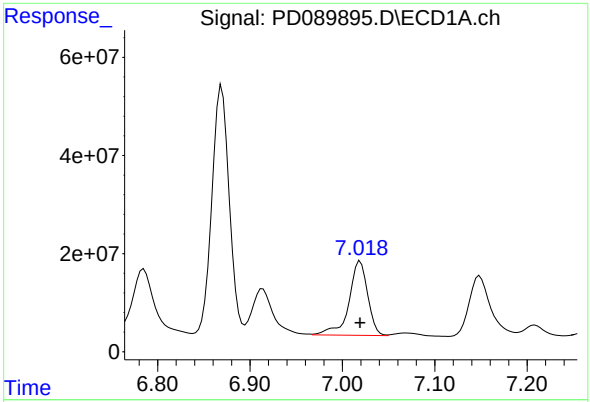
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 129017872
Conc: 43.08 ng/ml m



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 1088990517
Conc: 61.76 ng/ml m



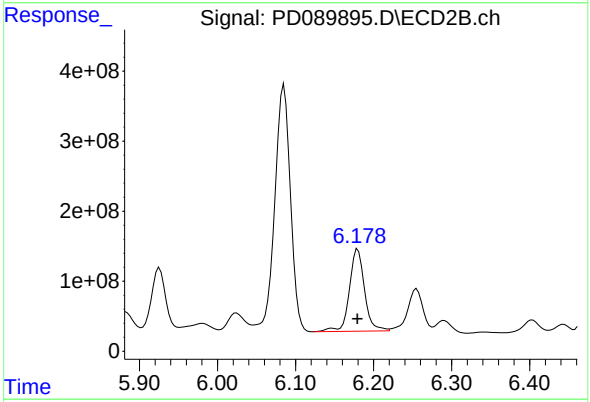
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 213749836
Conc: 63.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

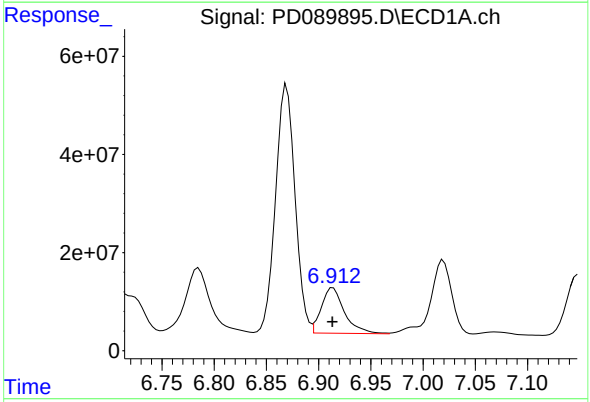
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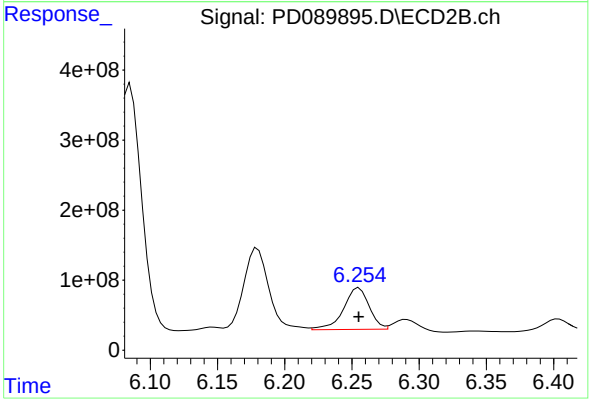
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 1575042130
Conc: 85.73 ng/ml



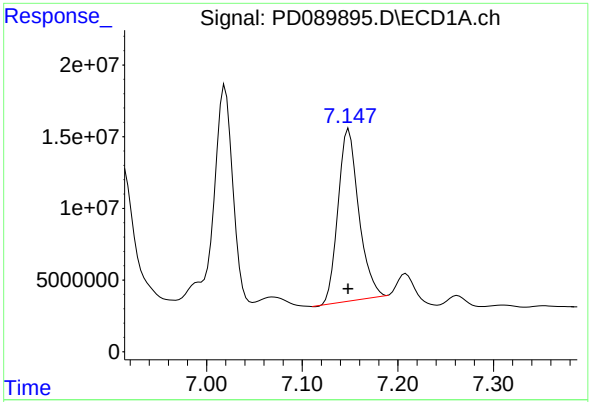
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 142281675
Conc: 57.01 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 787805390
Conc: 60.97 ng/ml



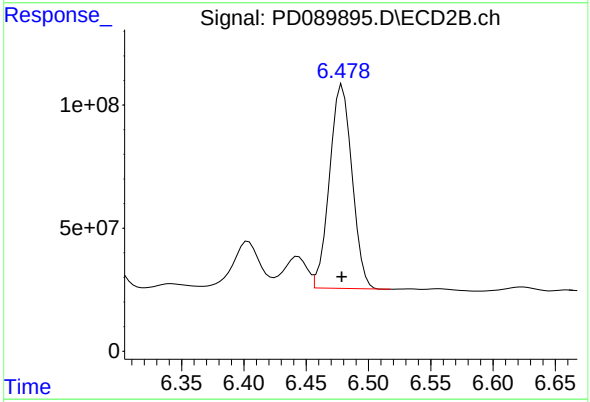
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 182185557
Conc: 52.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

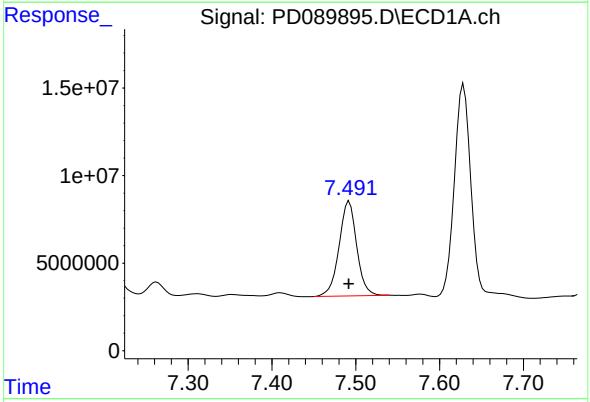
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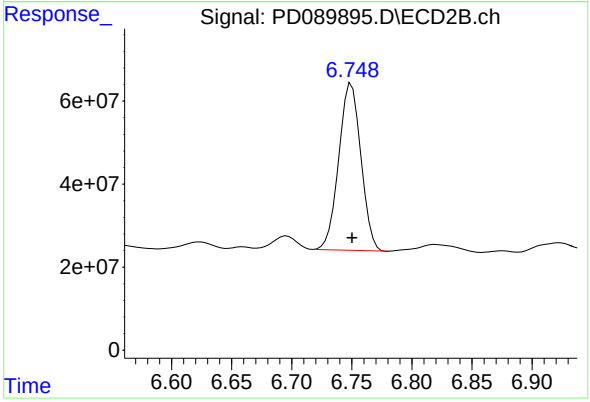
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 1040636661
Conc: 56.05 ng/ml



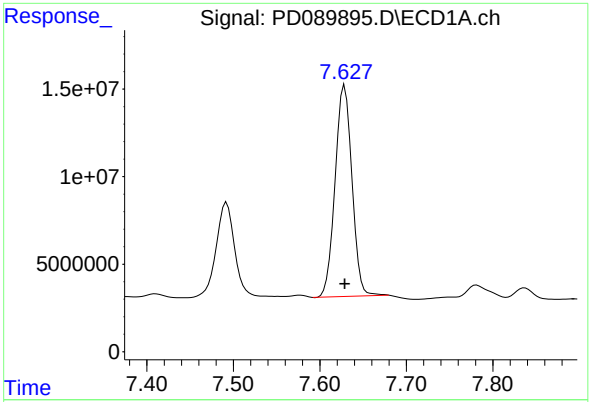
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 79395593
Conc: 44.41 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 517258952
Conc: 52.81 ng/ml



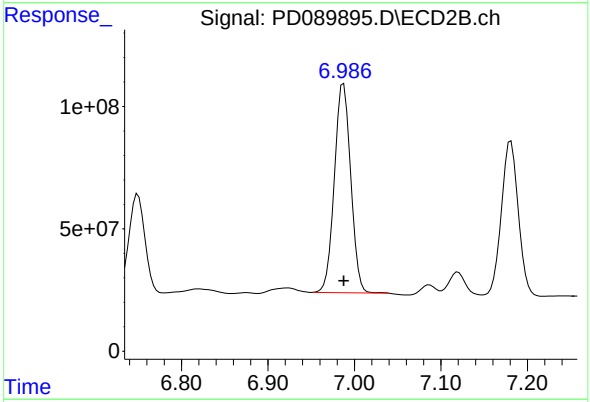
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 162563706
Conc: 43.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

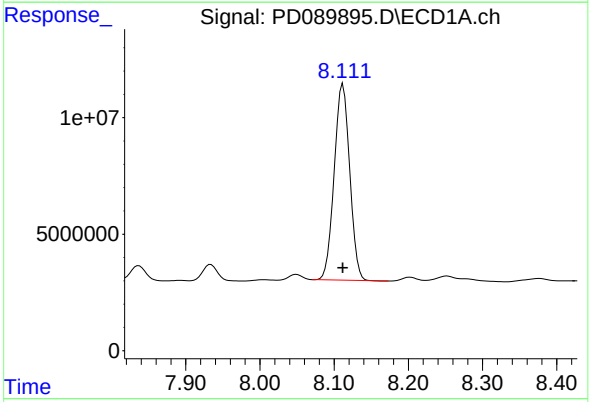
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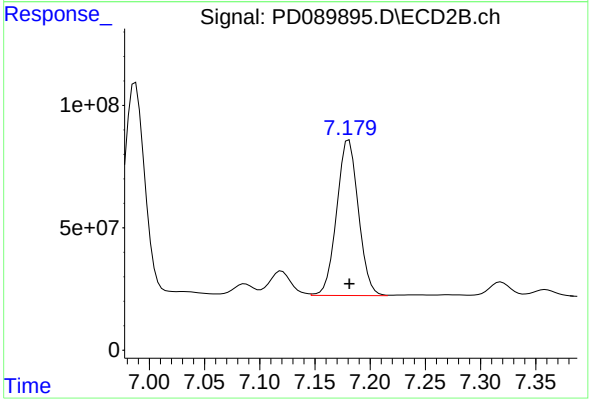
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1115870537
Conc: 55.60 ng/ml



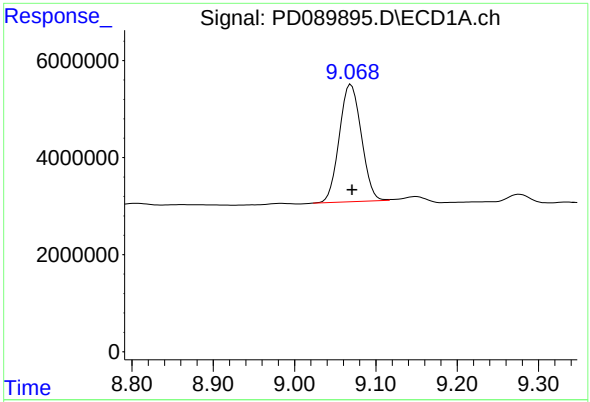
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 122607019
Conc: 43.97 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 870219889
Conc: 57.17 ng/ml m



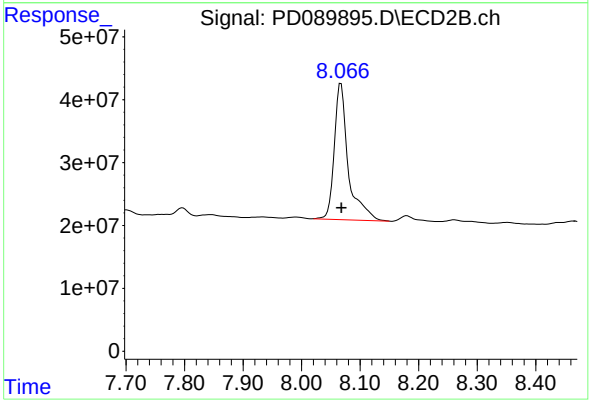
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.001 min
Response: 45436605
Conc: 12.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

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#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 358369994
Conc: 17.85 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:	pd081325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089863.D	4,4"-DDE #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PEM	PD089863.D	alpha-BHC #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PEM	PD089863.D	Endrin ketone	Abdul	8/13/2025 8:16:51 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PEM	PD089863.D	Endrin ketone #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PSTDCCC050	PD089876.D	4,4"-DDD #2	Abdul	8/13/2025 8:17:39 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PSTDCCC050	PD089876.D	Endrin #2	Abdul	8/13/2025 8:17:39 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089889.D	4,4"-DDD	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	alpha-BHC #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin aldehyde #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin ketone	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin ketone #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PSTDCCC050	PD089890.D	alpha-BHC #2	Abdul	8/15/2025 9:27:39 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	4,4"-DDD	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Aldrin	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	alpha-BHC #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Dieldrin #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endosulfan I #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endrin	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endrin #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2819-14MS	PD089894.D	Heptachlor epoxide	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Mirex #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	4,4"-DDD	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	4,4"-DDD #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Aldrin	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	alpha-BHC #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Dieldrin #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Endosulfan I #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Endrin #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Heptachlor epoxide	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Mirex #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software

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Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2820-09	PD089896.D	4,4"-DDD	Abdul	8/15/2025 9:27:27 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2820-09	PD089896.D	4,4"-DDD #2	Abdul	8/15/2025 9:27:27 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2820-09	PD089896.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:27:27 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2820-10	PD089897.D	4,4"-DDD	Abdul	8/15/2025 9:27:05 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2820-10	PD089897.D	4,4"-DDD #2	Abdul	8/15/2025 9:27:05 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2820-10	PD089897.D	4,4"-DDE #2	Abdul	8/15/2025 9:27:05 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2820-10	PD089897.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:27:05 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2820-24	PD089898.D	Heptachlor epoxide	Abdul	8/15/2025 9:27:08 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software

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Sequence:	pd081625	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089905.D	4,4"-DDD	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089905.D	4,4"-DDE	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089905.D	4,4"-DDE #2	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089905.D	Endrin ketone	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089905.D	Endrin ketone #2	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
Q2820-09RE	PD089910.D	4,4"-DDD	Abdul	8/18/2025 7:45:22 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
Q2820-09RE	PD089910.D	4,4"-DDD #2	Abdul	8/18/2025 7:45:22 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
Q2820-09RE	PD089910.D	Tetrachloro-m-xylene #2	Abdul	8/18/2025 7:45:22 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
I.BLK	PD089913.D	Decachlorobiphenyl #2	Abdul	8/18/2025 7:45:31 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PSTDCCC050	PD089914.D	alpha-BHC #2	Abdul	8/18/2025 7:45:35 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089926.D	4,4"-DDD	Abdul	8/18/2025 7:45:59 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089926.D	alpha-BHC #2	Abdul	8/18/2025 7:45:59 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089926.D	Endrin ketone #2	Abdul	8/18/2025 7:45:59 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software

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Sequence:	pd081625	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089926.D	gamma-BHC (Lindane)	Abdul	8/18/2025 7:45:59 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PSTDCCC050	PD089927.D	4,4"-DDD	Abdul	8/18/2025 7:46:02 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
I.BLK	PD089945.D	Decachlorobiphenyl #2	Abdul	8/18/2025 7:46:31 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089946.D	4,4"-DDD	Abdul	8/18/2025 7:46:34 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089946.D	Endrin aldehyde	Abdul	8/18/2025 7:46:34 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089946.D	Endrin ketone	Abdul	8/18/2025 7:46:34 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089946.D	Endrin ketone #2	Abdul	8/18/2025 7:46:34 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PSTDCCC050	PD089959.D	4,4"-DDD	Abdul	8/18/2025 7:47:23 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software

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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	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 # PD081325

Review By	Abdul	Review On	8/21/2025 9:33:07 AM		
Supervise By	mohammad	Supervise On	8/22/2025 1:53:41 AM		
SubDirectory	PD081325	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089861.D	12 Aug 2025 14:35	AR\AJ	Ok
2	I.BLK	PD089862.D	12 Aug 2025 15:22	AR\AJ	Ok
3	PEM	PD089863.D	12 Aug 2025 15:35	AR\AJ	Ok,M
4	PSTDCCC050	PD089864.D	12 Aug 2025 16:05	AR\AJ	Ok
5	PB169206BL	PD089865.D	12 Aug 2025 16:33	AR\AJ	Ok
6	PB169206BS	PD089866.D	12 Aug 2025 16:47	AR\AJ	Ok
7	Q2818-01	PD089867.D	12 Aug 2025 17:00	AR\AJ	Ok,M
8	Q2818-02	PD089868.D	12 Aug 2025 17:14	AR\AJ	Ok,M
9	Q2823-01	PD089869.D	12 Aug 2025 17:27	AR\AJ	Ok,M
10	Q2830-01	PD089870.D	12 Aug 2025 17:41	AR\AJ	Ok,M
11	Q2830-03	PD089871.D	12 Aug 2025 17:55	AR\AJ	Ok,M
12	Q2830-05	PD089872.D	12 Aug 2025 18:08	AR\AJ	Ok,M
13	Q2830-07	PD089873.D	12 Aug 2025 18:22	AR\AJ	Ok,M
14	Q2831-01	PD089874.D	12 Aug 2025 18:36	AR\AJ	Ok,M
15	I.BLK	PD089875.D	12 Aug 2025 18:50	AR\AJ	Ok
16	PSTDCCC050	PD089876.D	12 Aug 2025 20:12	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081525

Review By	Abdul	Review On	8/15/2025 9:28:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:47 AM		
SubDirectory	PD081525	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089887.D	14 Aug 2025 11:51	AR\AJ	Ok
2	I.BLK	PD089888.D	14 Aug 2025 12:05	AR\AJ	Ok
3	PEM	PD089889.D	14 Aug 2025 12:19	AR\AJ	Ok,M
4	PSTDCCC050	PD089890.D	14 Aug 2025 12:52	AR\AJ	Ok,M
5	Q2819-06	PD089891.D	14 Aug 2025 13:34	AR\AJ	Dilution
6	Q2819-11	PD089892.D	14 Aug 2025 13:47	AR\AJ	Ok,M
7	Q2819-14	PD089893.D	14 Aug 2025 14:01	AR\AJ	Dilution
8	Q2819-14MS	PD089894.D	14 Aug 2025 14:14	AR\AJ	Ok,M
9	Q2819-14MSD	PD089895.D	14 Aug 2025 14:28	AR\AJ	Ok,M
10	Q2820-09	PD089896.D	14 Aug 2025 14:41	AR\AJ	ReRun
11	Q2820-10	PD089897.D	14 Aug 2025 14:55	AR\AJ	Ok,M
12	Q2820-24	PD089898.D	14 Aug 2025 15:09	AR\AJ	Ok,M
13	Q2858-01	PD089899.D	14 Aug 2025 15:23	AR\AJ	Ok,M
14	PB169243BL	PD089900.D	14 Aug 2025 15:36	AR\AJ	Ok
15	I.BLK	PD089901.D	14 Aug 2025 15:50	AR\AJ	Ok
16	PSTDCCC050	PD089902.D	14 Aug 2025 17:10	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM		
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM		
SubDirectory	PD081625	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089903.D	15 Aug 2025 09:24	AR\AJ	Ok
2	I.BLK	PD089904.D	15 Aug 2025 09:37	AR\AJ	Ok
3	PEM	PD089905.D	15 Aug 2025 09:51	AR\AJ	Ok,M
4	PSTDCCC050	PD089906.D	15 Aug 2025 10:04	AR\AJ	Ok
5	Q2819-06DL	PD089907.D	15 Aug 2025 10:21	AR\AJ	Ok,M
6	Q2819-14DL	PD089908.D	15 Aug 2025 10:35	AR\AJ	Dilution
7	Q2819-14DL2	PD089909.D	15 Aug 2025 10:49	AR\AJ	Ok,M
8	Q2820-09RE	PD089910.D	15 Aug 2025 11:02	AR\AJ	Confirms
9	Q2827-01DL	PD089911.D	15 Aug 2025 11:56	AR\AJ	Ok,M
10	Q2827-05DL	PD089912.D	15 Aug 2025 12:17	AR\AJ	Ok,M
11	I.BLK	PD089913.D	15 Aug 2025 13:12	AR\AJ	Ok,M
12	PSTDCCC050	PD089914.D	15 Aug 2025 13:53	AR\AJ	Ok,M
13	PB169261BL	PD089915.D	15 Aug 2025 15:31	AR\AJ	Ok
14	PB169261BS	PD089916.D	15 Aug 2025 16:02	AR\AJ	Ok,M
15	Q2877-01	PD089917.D	15 Aug 2025 16:16	AR\AJ	Ok,M
16	Q2732-03	PD089918.D	15 Aug 2025 16:29	AR\AJ	Ok,M
17	Q2832-02	PD089919.D	15 Aug 2025 16:43	AR\AJ	Ok
18	Q2832-02MS	PD089920.D	15 Aug 2025 16:57	AR\AJ	Ok,M
19	Q2832-02MSD	PD089921.D	15 Aug 2025 17:10	AR\AJ	Ok,M
20	Q2832-04	PD089922.D	15 Aug 2025 17:39	AR\AJ	Ok
21	Q2832-06	PD089923.D	15 Aug 2025 17:52	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM		
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM		
SubDirectory	PD081625	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2832-08	PD089924.D	15 Aug 2025 18:06	AR\AJ	Ok
23	I.BLK	PD089925.D	15 Aug 2025 18:20	AR\AJ	Ok
24	PEM	PD089926.D	15 Aug 2025 18:33	AR\AJ	Ok,M
25	PSTDCCC050	PD089927.D	15 Aug 2025 18:47	AR\AJ	Ok,M
26	Q2832-10	PD089928.D	15 Aug 2025 19:04	AR\AJ	Ok
27	Q2836-03	PD089929.D	15 Aug 2025 19:17	AR\AJ	Ok
28	Q2836-07	PD089930.D	15 Aug 2025 19:31	AR\AJ	Ok,M
29	Q2836-11	PD089931.D	15 Aug 2025 19:45	AR\AJ	Ok,M
30	Q2836-15	PD089932.D	15 Aug 2025 19:58	AR\AJ	Ok
31	Q2876-01	PD089933.D	15 Aug 2025 20:12	AR\AJ	Ok,M
32	I.BLK	PD089934.D	15 Aug 2025 20:26	AR\AJ	Ok
33	PSTDCCC050	PD089935.D	15 Aug 2025 20:39	AR\AJ	Ok
34	PB169263BL	PD089936.D	15 Aug 2025 21:34	AR\AJ	Ok
35	PB169263BS	PD089937.D	15 Aug 2025 21:48	AR\AJ	Ok
36	PB169212TB	PD089938.D	15 Aug 2025 22:02	AR\AJ	Ok
37	PB169264BL	PD089939.D	15 Aug 2025 22:15	AR\AJ	Ok
38	PB169264BS	PD089940.D	15 Aug 2025 22:29	AR\AJ	Ok
39	PB169264BSD	PD089941.D	15 Aug 2025 22:43	AR\AJ	Ok
40	Q2864-01	PD089942.D	15 Aug 2025 22:56	AR\AJ	Ok,M
41	Q2864-03	PD089943.D	15 Aug 2025 23:10	AR\AJ	Not Ok
42	Q2865-02	PD089944.D	15 Aug 2025 23:24	AR\AJ	Ok,M
43	I.BLK	PD089945.D	15 Aug 2025 23:38	AR\AJ	Ok,M
44	PEM	PD089946.D	15 Aug 2025 23:51	AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM		
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM		
SubDirectory	PD081625	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	PSTDCCC050	PD089947.D	16 Aug 2025 00:05	AR\AJ	Ok
46	Q2870-01	PD089948.D	16 Aug 2025 01:00	AR\AJ	Ok,M
47	Q2870-01MS	PD089949.D	16 Aug 2025 01:13	AR\AJ	Ok,M
48	Q2870-01MSD	PD089950.D	16 Aug 2025 01:27	AR\AJ	Ok,M
49	Q2870-04	PD089951.D	16 Aug 2025 01:41	AR\AJ	Ok,M
50	Q2871-01	PD089952.D	16 Aug 2025 01:54	AR\AJ	Ok,M
51	Q2871-04	PD089953.D	16 Aug 2025 02:08	AR\AJ	Ok,M
52	Q2871-07	PD089954.D	16 Aug 2025 02:22	AR\AJ	Ok,M
53	Q2872-01	PD089955.D	16 Aug 2025 02:36	AR\AJ	Ok,M
54	Q2873-01	PD089956.D	16 Aug 2025 02:49	AR\AJ	Ok,M
55	Q2873-04	PD089957.D	16 Aug 2025 03:03	AR\AJ	Ok,M
56	I.BLK	PD089958.D	16 Aug 2025 03:17	AR\AJ	Ok
57	PSTDCCC050	PD089959.D	16 Aug 2025 03:30	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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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 # PD081325

Review By	Abdul	Review On	8/21/2025 9:33:07 AM		
Supervise By	mohammad	Supervise On	8/22/2025 1:53:41 AM		
SubDirectory	PD081325	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089861.D	12 Aug 2025 14:35		AR\AJ	Ok
2	I.BLK	I.BLK	PD089862.D	12 Aug 2025 15:22		AR\AJ	Ok
3	PEM	PEM	PD089863.D	12 Aug 2025 15:35		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089864.D	12 Aug 2025 16:05		AR\AJ	Ok
5	PB169206BL	PB169206BL	PD089865.D	12 Aug 2025 16:33		AR\AJ	Ok
6	PB169206BS	PB169206BS	PD089866.D	12 Aug 2025 16:47		AR\AJ	Ok
7	Q2818-01	B-2-5-1	PD089867.D	12 Aug 2025 17:00		AR\AJ	Ok,M
8	Q2818-02	B-3-5-2	PD089868.D	12 Aug 2025 17:14		AR\AJ	Ok,M
9	Q2823-01	SU-04-081125	PD089869.D	12 Aug 2025 17:27		AR\AJ	Ok,M
10	Q2830-01	BIN0009-DRIVEWAY-T	PD089870.D	12 Aug 2025 17:41		AR\AJ	Ok,M
11	Q2830-03	BIN0009-DRIVEWAY-T	PD089871.D	12 Aug 2025 17:55		AR\AJ	Ok,M
12	Q2830-05	BIN0009-DRIVEWAY-T	PD089872.D	12 Aug 2025 18:08		AR\AJ	Ok,M
13	Q2830-07	BIN0009-DRIVEWAY-T	PD089873.D	12 Aug 2025 18:22		AR\AJ	Ok,M
14	Q2831-01	VNJ-238	PD089874.D	12 Aug 2025 18:36		AR\AJ	Ok,M
15	I.BLK	I.BLK	PD089875.D	12 Aug 2025 18:50		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089876.D	12 Aug 2025 20:12		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081525

Review By	Abdul	Review On	8/15/2025 9:28:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:47 AM		
SubDirectory	PD081525	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089887.D	14 Aug 2025 11:51		AR\AJ	Ok
2	I.BLK	I.BLK	PD089888.D	14 Aug 2025 12:05		AR\AJ	Ok
3	PEM	PEM	PD089889.D	14 Aug 2025 12:19		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089890.D	14 Aug 2025 12:52		AR\AJ	Ok,M
5	Q2819-06	11M-S	PD089891.D	14 Aug 2025 13:34	Need 5X	AR\AJ	Dilution
6	Q2819-11	84SB-W	PD089892.D	14 Aug 2025 13:47	DCB low in 1ST column	AR\AJ	Ok,M
7	Q2819-14	17M-W	PD089893.D	14 Aug 2025 14:01	Need dilution	AR\AJ	Dilution
8	Q2819-14MS	17M-WMS	PD089894.D	14 Aug 2025 14:14	Recovery fail	AR\AJ	Ok,M
9	Q2819-14MSD	17M-WMSD	PD089895.D	14 Aug 2025 14:28	Recovery fail	AR\AJ	Ok,M
10	Q2820-09	705R-S	PD089896.D	14 Aug 2025 14:41	DCB low in both column	AR\AJ	ReRun
11	Q2820-10	SOIL-DUP-2	PD089897.D	14 Aug 2025 14:55		AR\AJ	Ok,M
12	Q2820-24	22M-S	PD089898.D	14 Aug 2025 15:09		AR\AJ	Ok,M
13	Q2858-01	VNJ 216	PD089899.D	14 Aug 2025 15:23		AR\AJ	Ok,M
14	PB169243BL	PB169243BL	PD089900.D	14 Aug 2025 15:36		AR\AJ	Ok
15	I.BLK	I.BLK	PD089901.D	14 Aug 2025 15:50		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089902.D	14 Aug 2025 17:10		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM		
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM		
SubDirectory	PD081625	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089903.D	15 Aug 2025 09:24		AR\AJ	Ok
2	I.BLK	I.BLK	PD089904.D	15 Aug 2025 09:37		AR\AJ	Ok
3	PEM	PEM	PD089905.D	15 Aug 2025 09:51		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089906.D	15 Aug 2025 10:04		AR\AJ	Ok
5	Q2819-06DL	11M-SDL	PD089907.D	15 Aug 2025 10:21		AR\AJ	Ok,M
6	Q2819-14DL	17M-WDL	PD089908.D	15 Aug 2025 10:35	Need dilution	AR\AJ	Dilution
7	Q2819-14DL2	17M-WDL2	PD089909.D	15 Aug 2025 10:49	TCMX high in 2nd column	AR\AJ	Ok,M
8	Q2820-09RE	705R-SRE	PD089910.D	15 Aug 2025 11:02	DCB low in both column	AR\AJ	Confirms
9	Q2827-01DL	TP-8DL	PD089911.D	15 Aug 2025 11:56		AR\AJ	Ok,M
10	Q2827-05DL	TP-9DL	PD089912.D	15 Aug 2025 12:17		AR\AJ	Ok,M
11	I.BLK	I.BLK	PD089913.D	15 Aug 2025 13:12		AR\AJ	Ok,M
12	PSTDCCC050	PSTDCCC050	PD089914.D	15 Aug 2025 13:53		AR\AJ	Ok,M
13	PB169261BL	PB169261BL	PD089915.D	15 Aug 2025 15:31		AR\AJ	Ok
14	PB169261BS	PB169261BS	PD089916.D	15 Aug 2025 16:02		AR\AJ	Ok,M
15	Q2877-01	EO-02-08142025	PD089917.D	15 Aug 2025 16:16		AR\AJ	Ok,M
16	Q2732-03	WC-A7-01-C	PD089918.D	15 Aug 2025 16:29		AR\AJ	Ok,M
17	Q2832-02	TG-S01	PD089919.D	15 Aug 2025 16:43		AR\AJ	Ok
18	Q2832-02MS	TG-S01MS	PD089920.D	15 Aug 2025 16:57		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM		
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM		
SubDirectory	PD081625	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2832-02MSD	TG-S01MSD	PD089921.D	15 Aug 2025 17:10		AR\AJ	Ok,M
20	Q2832-04	TG-S02	PD089922.D	15 Aug 2025 17:39		AR\AJ	Ok
21	Q2832-06	TG-S03	PD089923.D	15 Aug 2025 17:52		AR\AJ	Ok
22	Q2832-08	TG-S04	PD089924.D	15 Aug 2025 18:06		AR\AJ	Ok
23	I.BLK	I.BLK	PD089925.D	15 Aug 2025 18:20		AR\AJ	Ok
24	PEM	PEM	PD089926.D	15 Aug 2025 18:33		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD089927.D	15 Aug 2025 18:47		AR\AJ	Ok,M
26	Q2832-10	TG-S05	PD089928.D	15 Aug 2025 19:04		AR\AJ	Ok
27	Q2836-03	WC-A2-15-C	PD089929.D	15 Aug 2025 19:17		AR\AJ	Ok
28	Q2836-07	WC-A2-16-C	PD089930.D	15 Aug 2025 19:31		AR\AJ	Ok,M
29	Q2836-11	WC-A2-17-C	PD089931.D	15 Aug 2025 19:45		AR\AJ	Ok,M
30	Q2836-15	WC-A5-02-C	PD089932.D	15 Aug 2025 19:58		AR\AJ	Ok
31	Q2876-01	CL-02-08142025	PD089933.D	15 Aug 2025 20:12		AR\AJ	Ok,M
32	I.BLK	I.BLK	PD089934.D	15 Aug 2025 20:26		AR\AJ	Ok
33	PSTDCCC050	PSTDCCC050	PD089935.D	15 Aug 2025 20:39		AR\AJ	Ok
34	PB169263BL	PB169263BL	PD089936.D	15 Aug 2025 21:34		AR\AJ	Ok
35	PB169263BS	PB169263BS	PD089937.D	15 Aug 2025 21:48		AR\AJ	Ok
36	PB169212TB	PB169212TB	PD089938.D	15 Aug 2025 22:02		AR\AJ	Ok
37	PB169264BL	PB169264BL	PD089939.D	15 Aug 2025 22:15		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM		
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM		
SubDirectory	PD081625	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB169264BS	PB169264BS	PD089940.D	15 Aug 2025 22:29		AR\AJ	Ok
39	PB169264BSD	PB169264BSD	PD089941.D	15 Aug 2025 22:43		AR\AJ	Ok
40	Q2864-01	LAW-25-122-126	PD089942.D	15 Aug 2025 22:56		AR\AJ	Ok,M
41	Q2864-03	LAW-25-113-121	PD089943.D	15 Aug 2025 23:10	Surroage fail	AR\AJ	Not Ok
42	Q2865-02	ARS10-0047	PD089944.D	15 Aug 2025 23:24		AR\AJ	Ok,M
43	I.BLK	I.BLK	PD089945.D	15 Aug 2025 23:38		AR\AJ	Ok,M
44	PEM	PEM	PD089946.D	15 Aug 2025 23:51		AR\AJ	Ok,M
45	PSTDCCC050	PSTDCCC050	PD089947.D	16 Aug 2025 00:05	Comp#14 high in 2nd column	AR\AJ	Ok
46	Q2870-01	DRILL CUTTING 1-5 C	PD089948.D	16 Aug 2025 01:00		AR\AJ	Ok,M
47	Q2870-01MS	DRILL CUTTING 1-5 C	PD089949.D	16 Aug 2025 01:13		AR\AJ	Ok,M
48	Q2870-01MSD	DRILL CUTTING 1-5 C	PD089950.D	16 Aug 2025 01:27		AR\AJ	Ok,M
49	Q2870-04	DRILL CUTTING 6-9 C	PD089951.D	16 Aug 2025 01:41		AR\AJ	Ok,M
50	Q2871-01	DRILL CUTTING 1-3 C	PD089952.D	16 Aug 2025 01:54		AR\AJ	Ok,M
51	Q2871-04	DRILL CUTTING 4-6 C	PD089953.D	16 Aug 2025 02:08		AR\AJ	Ok,M
52	Q2871-07	DRILL CUTTING 1-5 C	PD089954.D	16 Aug 2025 02:22		AR\AJ	Ok,M
53	Q2872-01	DRILL CUTTING 1-2 C	PD089955.D	16 Aug 2025 02:36		AR\AJ	Ok,M
54	Q2873-01	DRILL CUTTING 1-3 C	PD089956.D	16 Aug 2025 02:49		AR\AJ	Ok,M
55	Q2873-04	DRILL CUTTING 4-6 C	PD089957.D	16 Aug 2025 03:03		AR\AJ	Ok,M
56	I.BLK	I.BLK	PD089958.D	16 Aug 2025 03:17		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM		
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM		
SubDirectory	PD081625	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

57	PSTDCCC050	PSTDCCC050	PD089959.D	16 Aug 2025 03:30	Comp#14 high in 2nd column	AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

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
Q2732-02	WC-A7-01-C	74	1.15	10.37	11.52	11.18	96.7	
Q2819-01	22BP-N	1	1.15	10.16	11.31	9.57	82.9	
Q2819-02	22BP-E	2	1.16	10.67	11.83	10.3	85.7	
Q2819-03	22BP-W	3	1.16	10.83	11.99	10.45	85.8	
Q2819-04	22BP-S	4	1.15	9.96	11.11	9.92	88.1	
Q2819-05	11M-W	5	1.14	10.45	11.59	10.7	91.5	
Q2819-06	11M-S	6	1.16	10.83	11.99	10.96	90.5	
Q2819-07	11M-N	7	1.16	10.81	11.97	9.37	75.9	
Q2819-08	11M-E	8	1.17	10.27	11.44	8.54	71.8	
Q2819-09	84SB-E	9	1.13	10.62	11.75	5.12	37.6	
Q2819-10	84SB-S	10	1.18	10.11	11.29	10.51	92.3	
Q2819-11	84SB-W	11	1.14	10.14	11.28	9.94	86.8	
Q2819-12	17M-S	12	1.19	118.66	119.85	11.15	8.4	
Q2819-13	17M-E	13	1.17	10.38	11.55	9.86	83.7	
Q2819-14	17M-W	14	1.15	10.46	11.61	10.1	85.6	
Q2819-15	17M-N	15	1.15	10.57	11.72	9.96	83.3	
Q2819-16	38M-S	16	1.15	10.77	11.92	11.1	92.4	
Q2819-17	38M-N	17	1.16	10.41	11.57	10.27	87.5	
Q2819-18	38M-W	18	1.14	10.66	11.8	10.34	86.3	
Q2819-19	38M-E	19	1.13	10.13	11.26	10.02	87.8	
Q2819-20	82H-E	20	1.17	10.64	11.81	9.38	77.2	
Q2820-01	82H-S	21	1.16	10.76	11.92	10.04	82.5	
Q2820-02	82H-W	22	1.15	11.21	12.36	10.51	83.5	
Q2820-03	82H-N	23	1.16	11.14	12.3	10.9	87.4	
Q2820-04	SOIL-DUP-1	24	1.16	10.83	11.99	10.56	86.8	
Q2820-05	518R-E	25	1.16	10.40	11.56	6.23	48.8	
Q2820-06	518R-N	26	1.18	10.55	11.73	9.35	77.4	
Q2820-07	518R-S	27	1.17	10.52	11.69	9.44	78.6	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

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
Q2820-08	518R-W	28	1.13	10.80	11.93	10.74	89.0	
Q2820-09	705R-S	29	1.14	10.59	11.73	7.05	55.8	
Q2820-10	SOIL-DUP-2	30	1.15	10.87	12.02	6.41	48.4	
Q2820-11	10PC-W	31	1.11	10.25	11.36	10.58	92.4	
Q2820-12	10PC-S	32	1.19	10.52	11.71	10.88	92.1	
Q2820-13	10P-W	33	1.14	10.09	11.23	10.34	91.2	
Q2820-14	10P-E	34	1.19	10.37	11.56	9.62	81.3	
Q2820-15	10P-S	35	1.18	10.21	11.39	10.22	88.5	
Q2820-16	10P-N	36	1.11	10.09	11.2	9.81	86.2	
Q2820-17	88H-E	37	1.16	10.42	11.58	9.77	82.6	
Q2820-18	88H-N	38	1.16	10.90	12.06	10.57	86.3	
Q2820-19	88H-W	39	1.18	10.66	11.84	10.62	88.6	
Q2820-20	88H-S	40	1.18	10.12	11.3	9.74	84.6	
Q2820-21	22M-N	41	1.14	11.06	12.2	11.34	92.2	
Q2820-22	22M-W	42	1.17	10.90	12.07	6.94	52.9	
Q2820-23	22M-E	43	1.17	10.27	11.44	4.66	34.0	
Q2820-24	22M-S	44	1.13	10.68	11.81	10.63	89.0	
Q2832-01	TG-S01	45	1.15	10.46	11.61	10.92	93.4	
Q2832-03	TG-S02	46	1.18	10.41	11.59	10.97	94.0	
Q2832-05	TG-S03	47	1.15	10.50	11.65	11.00	93.8	
Q2832-07	TG-S04	48	1.17	10.58	11.75	11.02	93.1	
Q2832-09	TG-S05	49	1.15	10.40	11.55	10.6	90.9	
Q2836-02	WC-A2-15-C	75	1.18	10.38	11.56	9.67	81.8	
Q2836-06	WC-A2-16-C	76	1.19	10.43	11.62	10.66	90.8	
Q2836-10	WC-A2-17-C	77	1.19	10.48	11.67	10.96	93.2	
Q2836-14	WC-A5-02-C	78	1.19	10.17	11.36	8.8	74.8	
Q2838-01	TP-11	50	1.14	10.60	11.74	10.44	87.7	
Q2838-02	TP-11-EPH	51	1.14	10.85	11.99	9.57	77.7	

PERCENT SOLID

Supervisor: rubina
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Date: 8/13/2025

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BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

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
Q2838-03	TP-11-VOC	52	1.19	11.24	12.43	9.97	78.1	
Q2838-05	TP-10	53	1.14	11.08	12.22	10.75	86.7	
Q2838-06	TP-10-EPH	54	1.18	10.42	11.6	7.63	61.9	
Q2838-07	TP-10-VOC	55	1.18	10.50	11.68	8.68	71.4	
Q2839-01	BC274436-1-1	56	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-02	BC274436-1-2	57	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-03	BC151973-1-1	58	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-04	BC151973-1-2	59	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-05	BC271336-1-1	60	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-06	BC271336-1-2	61	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-07	BC271242-1-1	62	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-08	BC271242-1-2	63	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-09	BC271242-2-1	64	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-10	BC271242-2-2	65	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-11	BC226751-1-1	66	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-12	BC226751-1-2	67	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-13	BC226751-2-1	68	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-14	BC226751-2-2	69	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-15	JEC773V-1-1	70	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-16	JEC773V-1-2	71	1.00	1.00	2.00	2.00	100.0	PILC
Q2840-01	0804-SOIL	72	1.12	11.32	12.44	10.42	82.2	
Q2840-02	0804-D	73	1.00	1.00	2.00	2.00	100.0	debris

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2820-06	518R-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-07	518R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-08	518R-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-09	705R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-10	SOIL-DUP-2	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2819-19	38M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2819-20	82H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-01	82H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-02	82H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-03	82H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-04	SOIL-DUP-1	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-13	17M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-14	17M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-15	17M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-16	38M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-17	38M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-18	38M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-07	11M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-08	11M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-09	84SB-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-10	84SB-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO

Date/Time 08112125 1510

Raw Sample Received by: SB WC

Raw Sample Relinquished by:

Date/Time 08112125 1735

Raw Sample Received by:

Raw Sample Relinquished by: SB WC

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-01	22BP-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-02	22BP-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-03	22BP-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-04	22BP-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-05	11M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-06	11M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2820-23	22M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-24	22M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-17	88H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-18	88H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-19	88H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-20	88H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-21	22M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-22	22M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-11	10PC-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-12	10PC-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-13	10P-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-14	10P-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-15	10P-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-16	10P-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-05	518R-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 08/12/25 17:35

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2839-04	BC151973-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-05	BC271336-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-06	BC271336-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-07	BC271242-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-08	BC271242-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-09	BC271242-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-10	BC271242-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-11	BC226751-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-12	BC226751-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-13	BC226751-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-14	BC226751-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-15	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-16	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2840-01	0804-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO
Q2840-02	0804-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO

Date/Time 08112125 15:00
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 08112125 17:35
Raw Sample Received by:
Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WS 131783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-11	84SB-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-12	17M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2832-01	TG-S01	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2732-02	WC-A7-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J21	08/12/2025	Chemtech -SO
Q2832-03	TG-S02	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-05	TG-S03	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-07	TG-S04	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-09	TG-S05	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/12/2025	Chemtech -SO
Q2836-02	WC-A2-15-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-06	WC-A2-16-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-10	WC-A2-17-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-14	WC-A5-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2838-01	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-02	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-03	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2839-01	BC274436-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-02	BC274436-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-03	BC151973-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: WC

Raw Sample Relinquished by:

Date/Time 08/12/25 1735

Raw Sample Received by:

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169206

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 08/12/2025

Extraction Start Time : 08:16

Extraction End Date : 08/12/2025

Extraction End Time : 11:30

Concentration By: RS

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	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
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

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (Ext Lab)	T-P Pest/PCB
11:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169206

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 08/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169206BL	PBLK206	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10			U1-1
PB169206BS	PLCS206	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10			2
Q2818-01	B-2-5-1	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	B		3
Q2818-02	B-3-5-2	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10	B		4
Q2819-06	11M-S	Pesticide-TCL	30.05	N/A	ritesh	RUPESH	10	E		5
Q2819-11	84SB-W	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		6
Q2819-14	17M-W	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	E		U2-1
Q2819-14MS	17M-WMS	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		2
Q2819-14MSD	17M-WMSD	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		3
Q2820-09	705R-S	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		4
Q2820-10	SOIL-DUP-2	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2820-24	22M-S	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10	E		6
Q2823-01	SU-04-081125	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		U3-1
Q2827-01	TP-8	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	E		2
Q2827-05	TP-9	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E	Gasoline Smell	3
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		4
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		6
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		U6-1
Q2831-01	VNJ-238	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	B		2
	CHLORDANE	1	30.03	1	1	1	10			3
	TOXAPHENE	1	30.02	1	1	1	10			4

RS 8/12

* **Extracts relinquished on the same date as received.**

169206 8:16

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2818P **WorkList ID :** 191214 **Department :** Extraction **Date :** 08-12-2025 08::10;57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2818-01	B-2-5-1	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03		08/11/2025	8081B
Q2818-02	B-3-5-2	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03		08/11/2025	8081B
Q2819-06	11M-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2819-11	84SB-W	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2819-14	17M-W	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2820-09	705R-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/07/2025	8081B
Q2820-10	SOIL-DUP-2	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/07/2025	8081B
Q2820-24	22M-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/08/2025	8081B
Q2823-01	SU-04-081125	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	08/11/2025	8081B
Q2827-01	TP-8	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2827-05	TP-9	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-01	BIN009-DRIVEWAY-TP-SOUTH	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-03	BIN009-DRIVEWAY-TP-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-05	BIN009-DRIVEWAY-TP-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-07	BIN009-DRIVEWAY-TP-EASTS	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2831-01	VNJ-238	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D21	08/11/2025	8081B

Date/Time 08/12/25 8:10
Raw Sample Received by: RJ (EA-CLG)
Raw Sample Relinquished by:

Date/Time 08/12/25 8:40
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EA-CLG)

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Prep Standard - Chemical Standard Summary

Order ID : Q2820

Test : Pesticide-TCL

Prepbatch ID : PB169206,

Sequence ID/Qc Batch ID: pd081325,PD081525,pd081625,

Standard ID :
EP2627,EP2632,PP24257,PP24259,PP24329,PP24433,PP24621,PP24622,PP24627,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,

Chemical ID :
E3875,E3877,E3914,E3927,E3937,E3941,E3944,E3949,E3950,E3951,E3956,E3962,P12604,P12610,P 12611,P13037,P13038,P13041,P13195,P13196,P13246,P13356,P13774,P13786,P13788,P13861,P13862,P9053,pp,W3177,

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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	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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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
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

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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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

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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	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

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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)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of PP24749 = Final Quantity: 1.000 ml

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

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

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

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 #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

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	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	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 #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053

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

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

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

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by 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

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Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

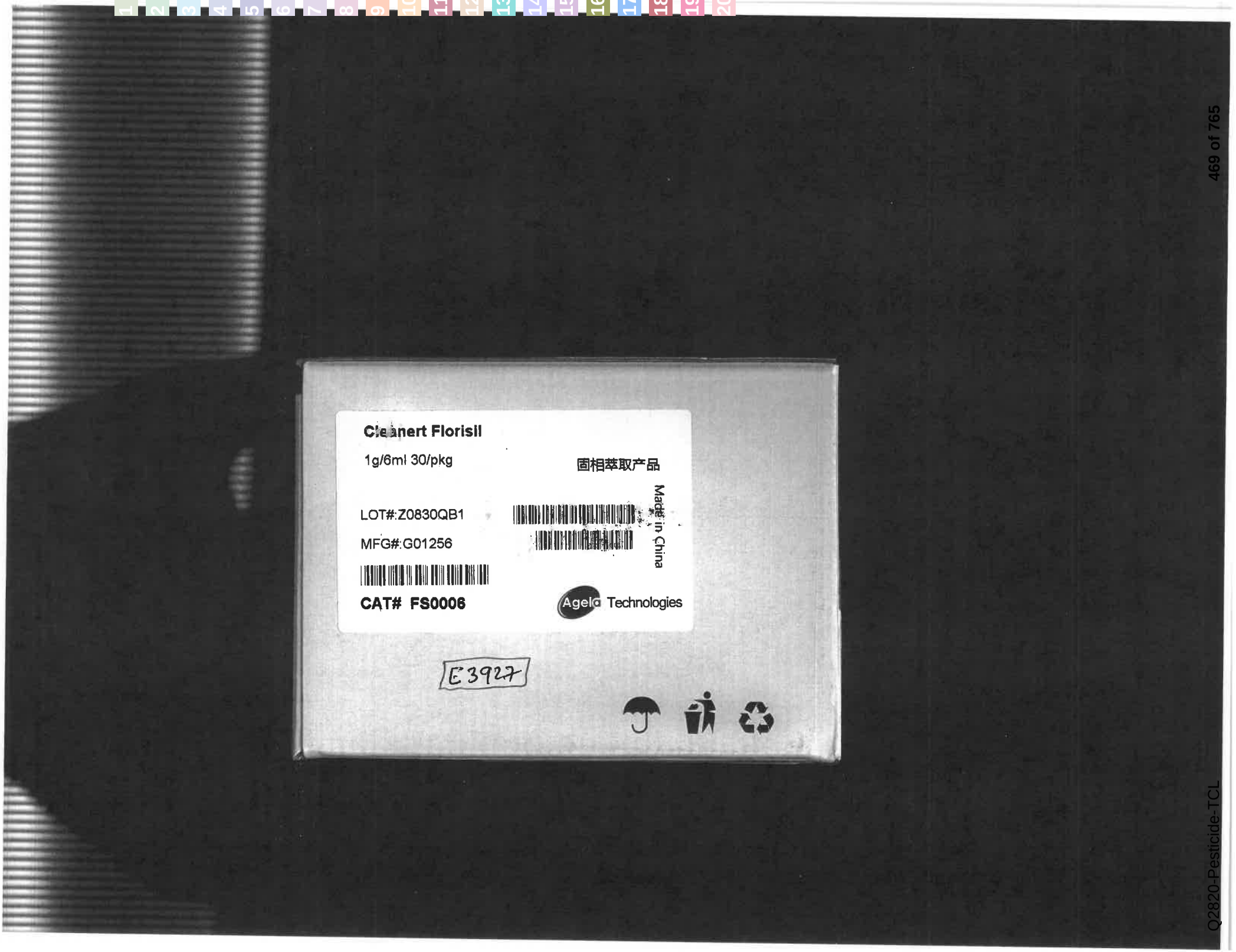
N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25

E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.


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

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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

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

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

Recieved on 7/30/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3962

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

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.)

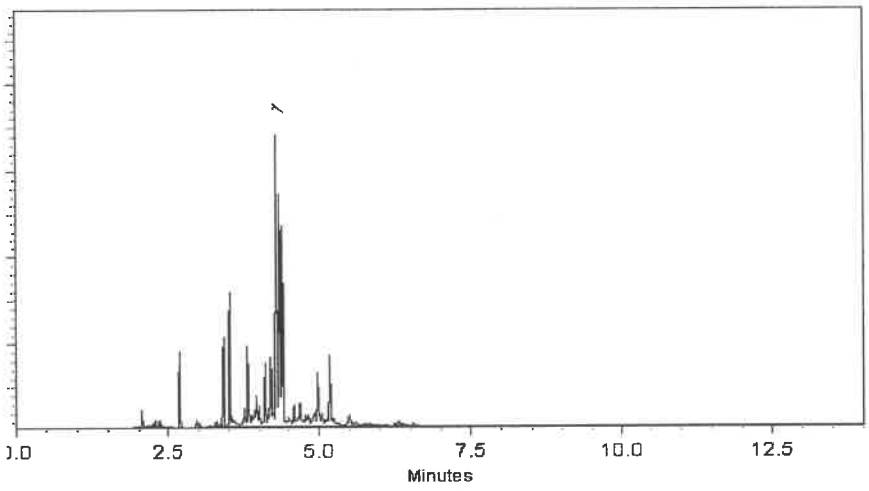
Inj. Temp:
250°C

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

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Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus

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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.)

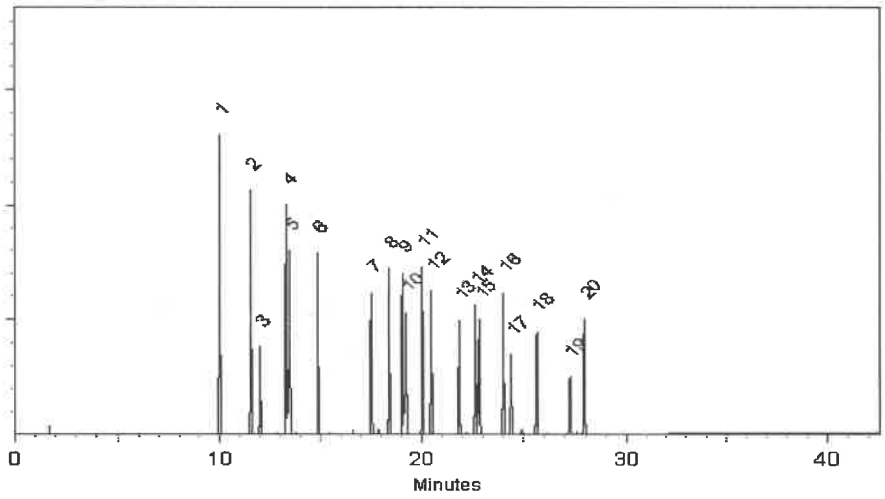
Inj. Temp:
200°C

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

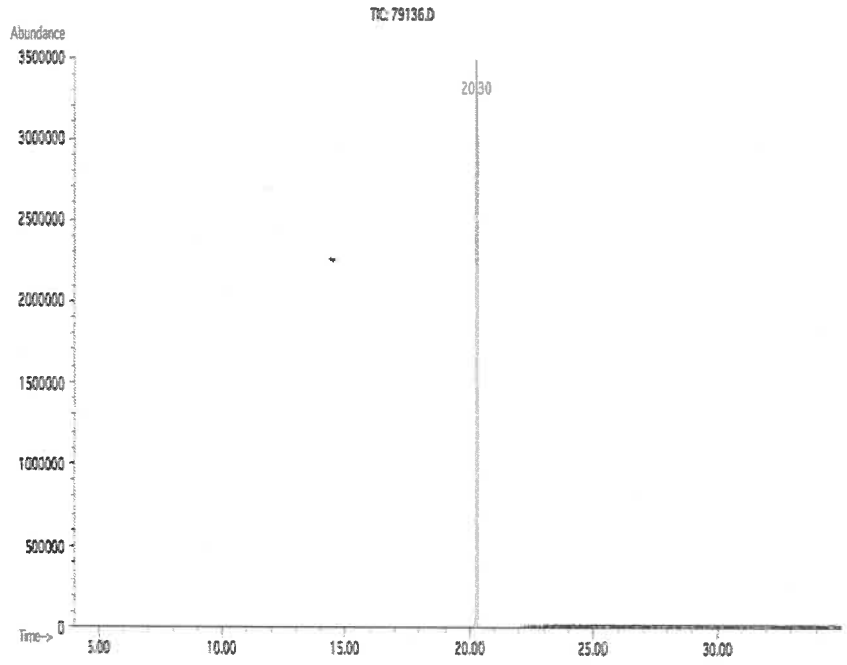
Weight(s) shown below were combined and diluted to (mL): 50.0

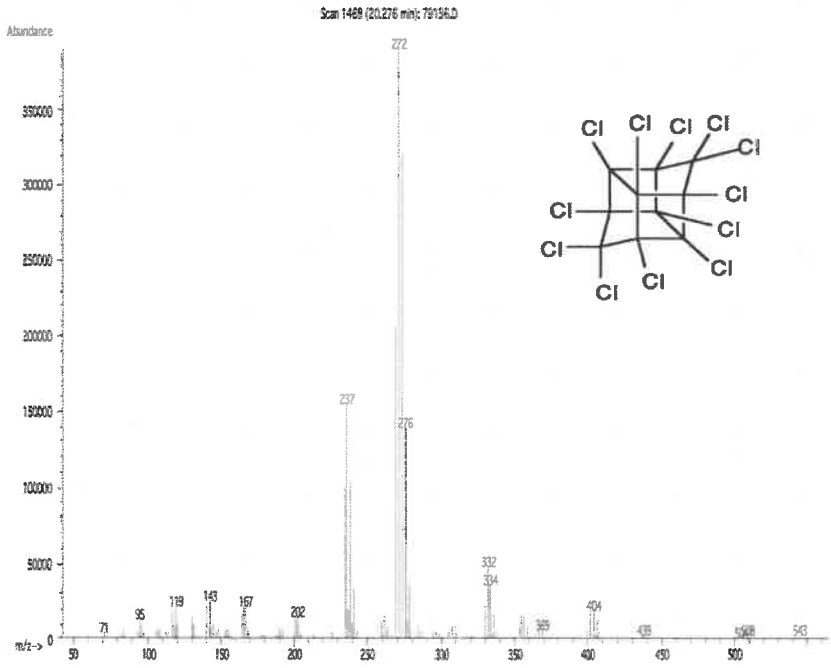
Formulated By: Prashant Chauhan 042022 DATE

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
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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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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

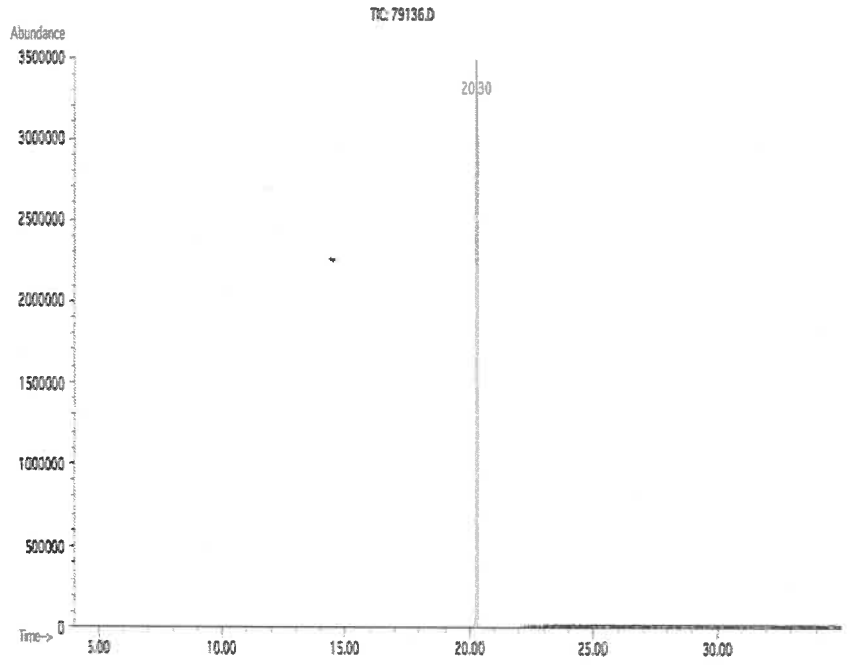
Weight(s) shown below were combined and diluted to (mL): 50.0

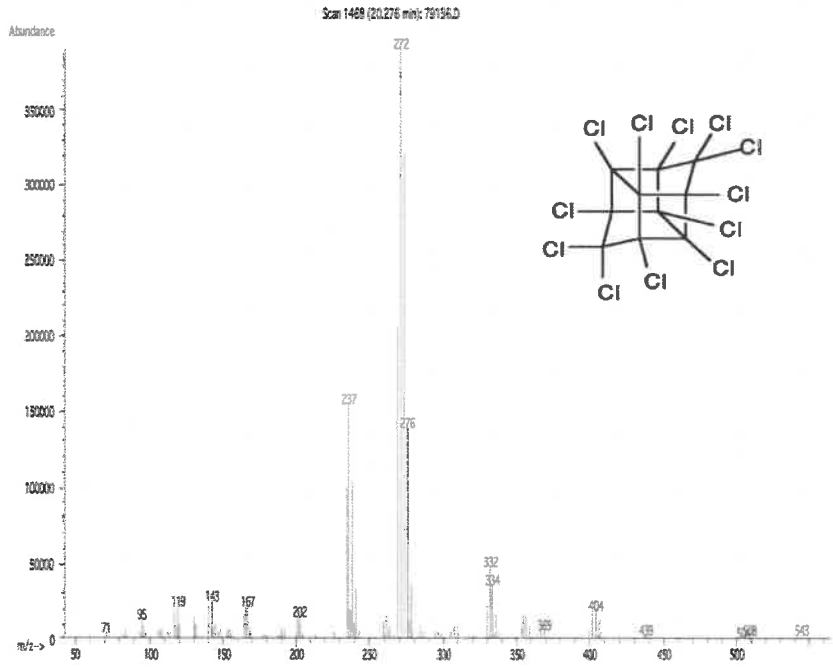
Prashant Chauhan 042022
Formulated By: Prashant Chauhan DATE

Pedro Rentas 042022
Reviewed By: Pedro L. Rentas DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	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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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.

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.)

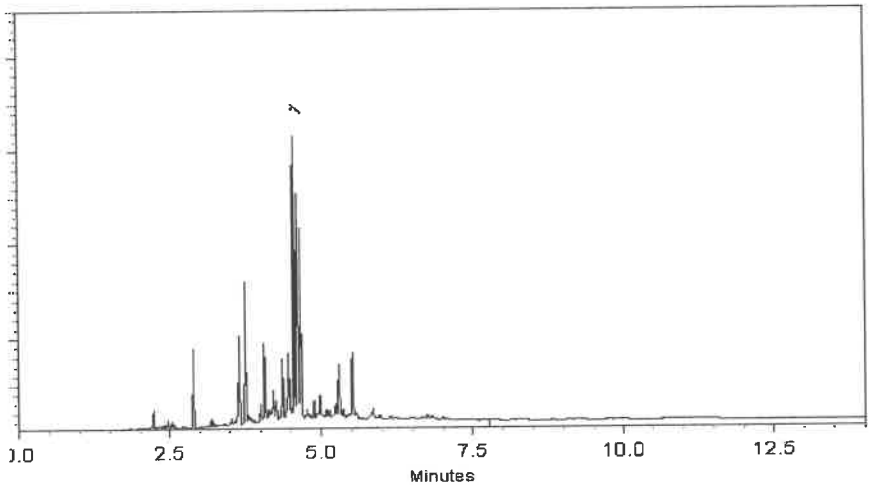
Inj. Temp:
250°C

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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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.

P 12606 → P 12610 (5 Five)

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.)

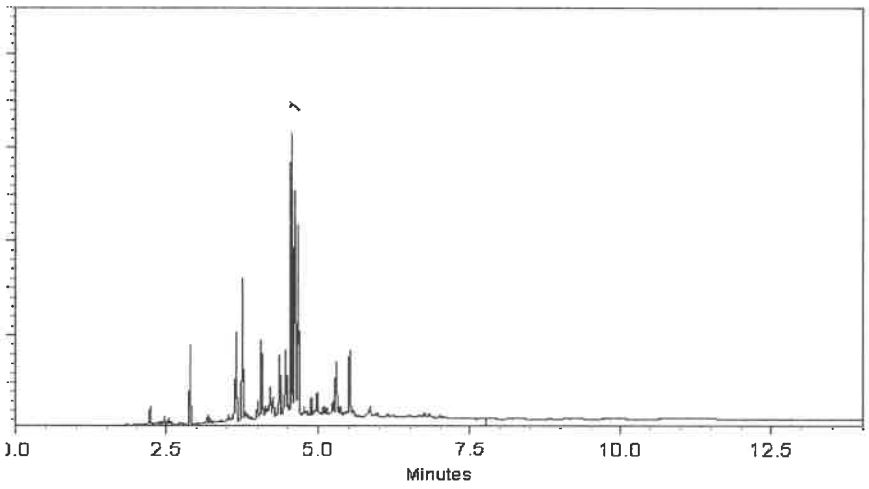
Inj. Temp:
250°C

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 12606 → P 12610

7/3/2023

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Certificate of Analysis

chromatographic plus

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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.

P 13034 ↓ P 13038 5

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.)

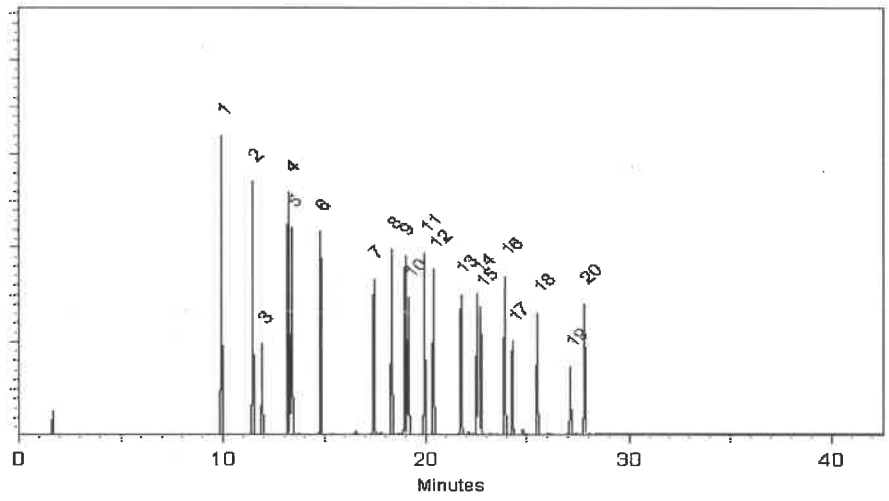
Inj. Temp:
200°C

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

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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.)

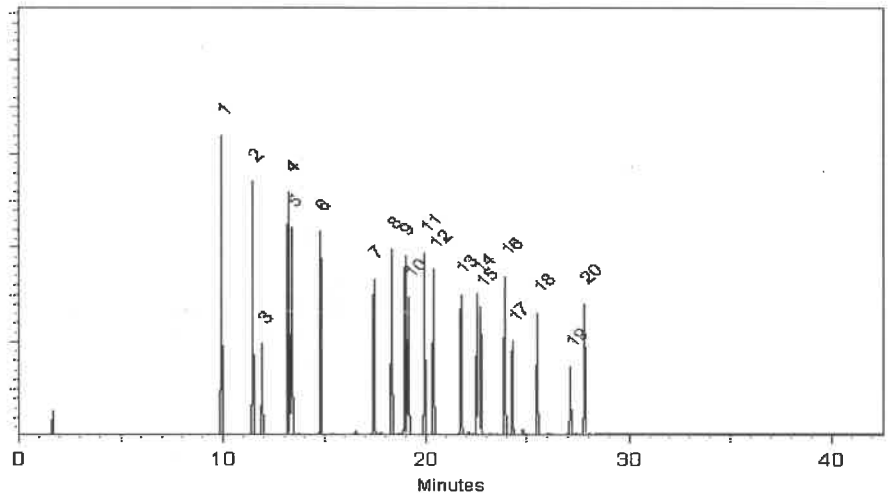
Inj. Temp:
200°C

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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Certificate of Analysis

chromatographic plus

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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.)

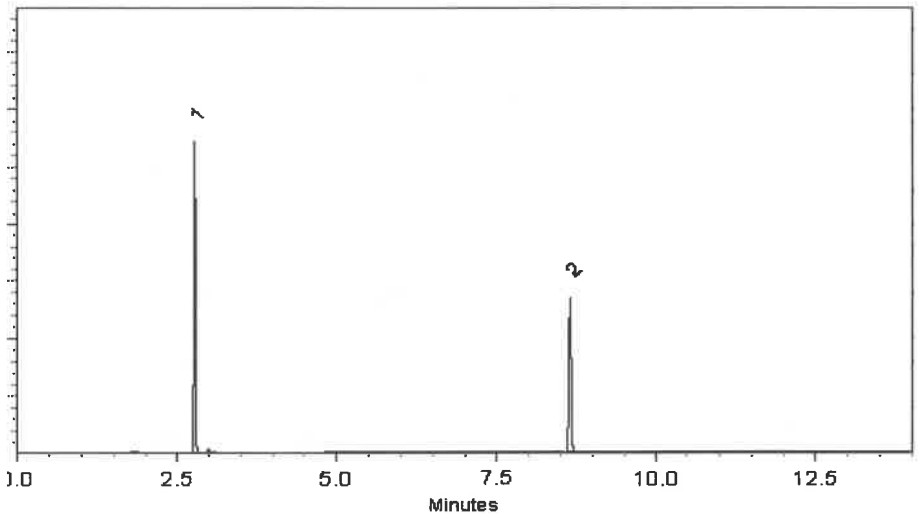
Inj. Temp:
250°C

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

P13348 (10)
↓
P13357
1
04/25/2025

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

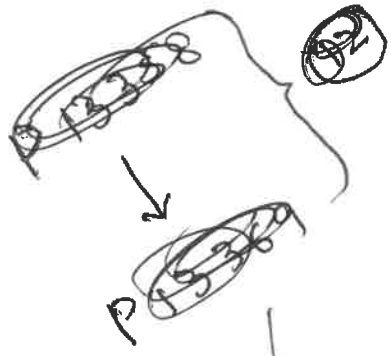
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%



P13773
↓
P13779
AT
11/19/24



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.)

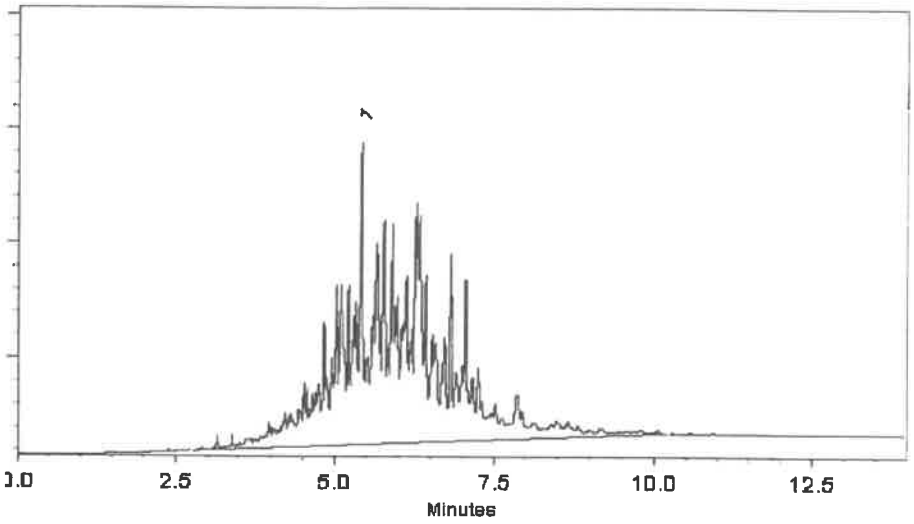
Inj. Temp:
250°C

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

P133880

P133879

P13773 → P13779

AJ 11/19/24

05-

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785 ↓ P19789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

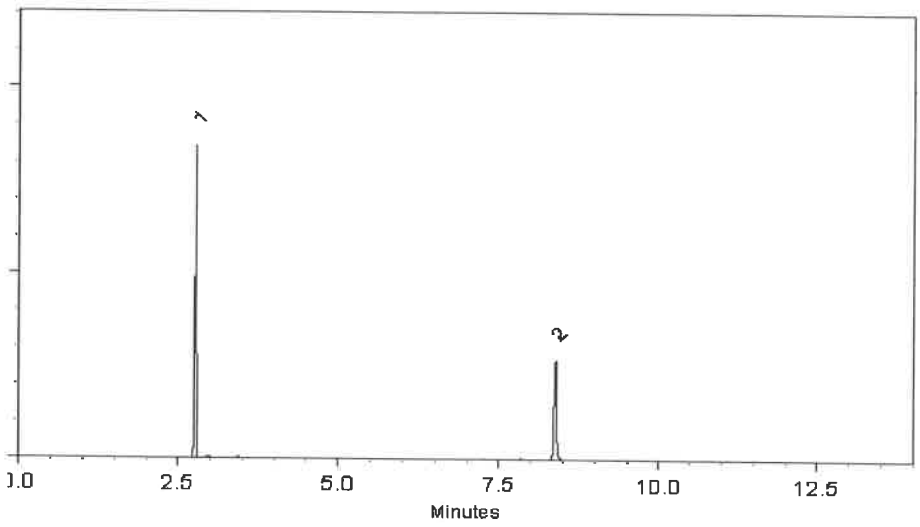
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

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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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.)

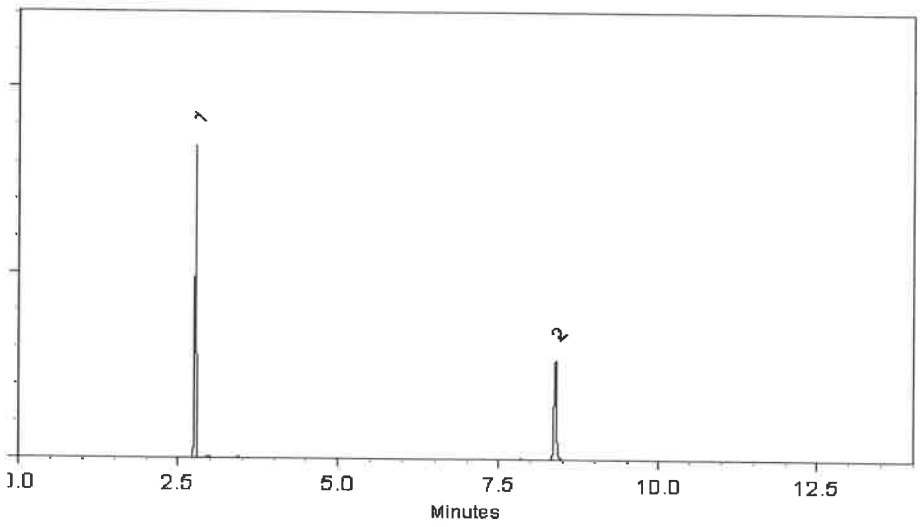
Inj. Temp:
250°C

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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862 (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.)

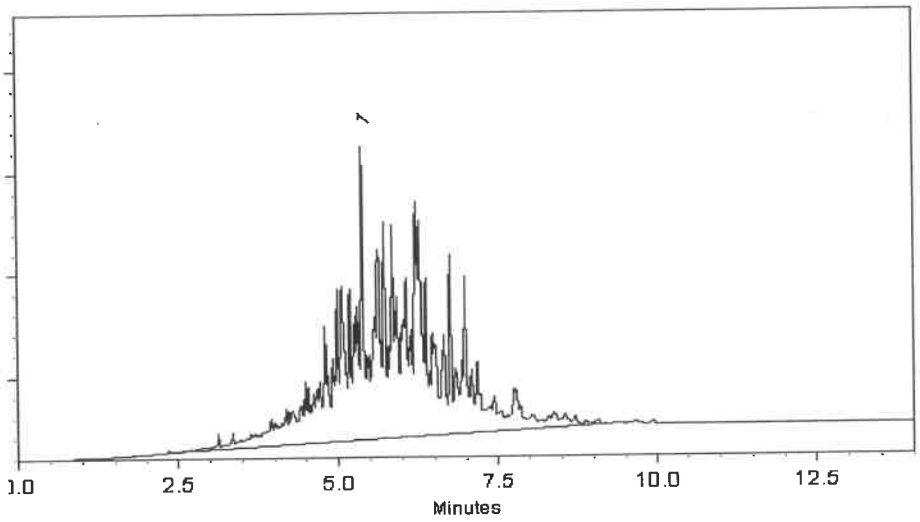
Inj. Temp:
250°C

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

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.)

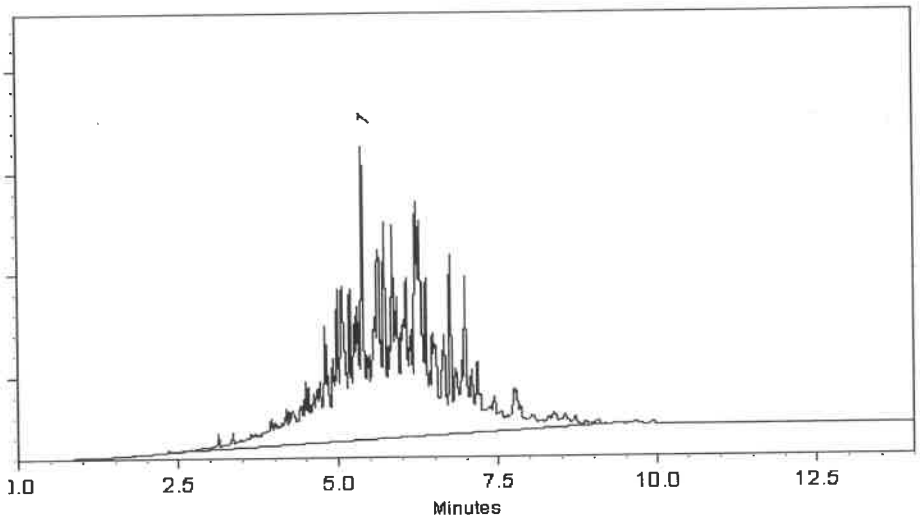
Inj. Temp:
250°C

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
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): **Lot#**
Methylene chloride 102669

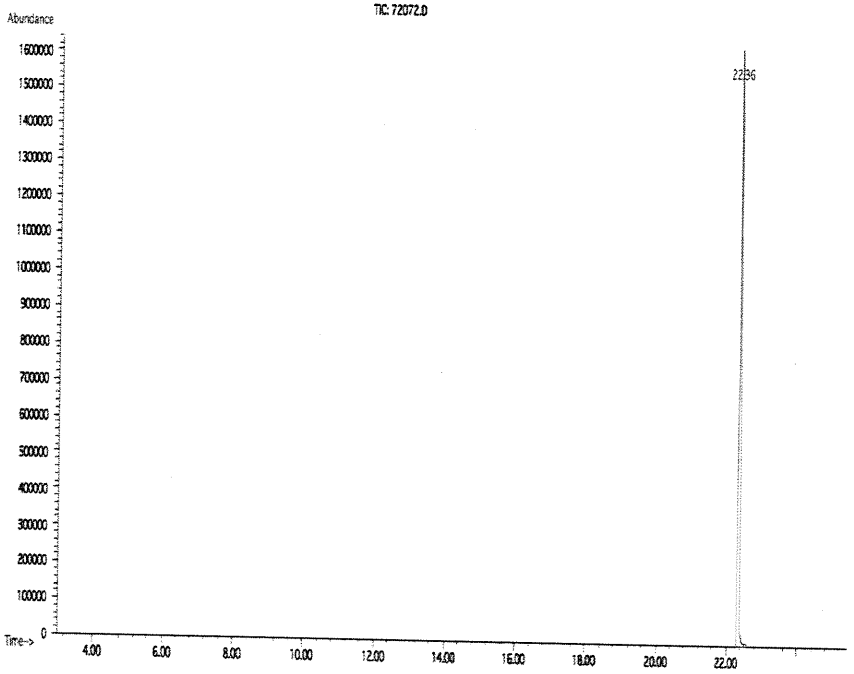
Received by SG on 11/1/19
P9044 - P9053

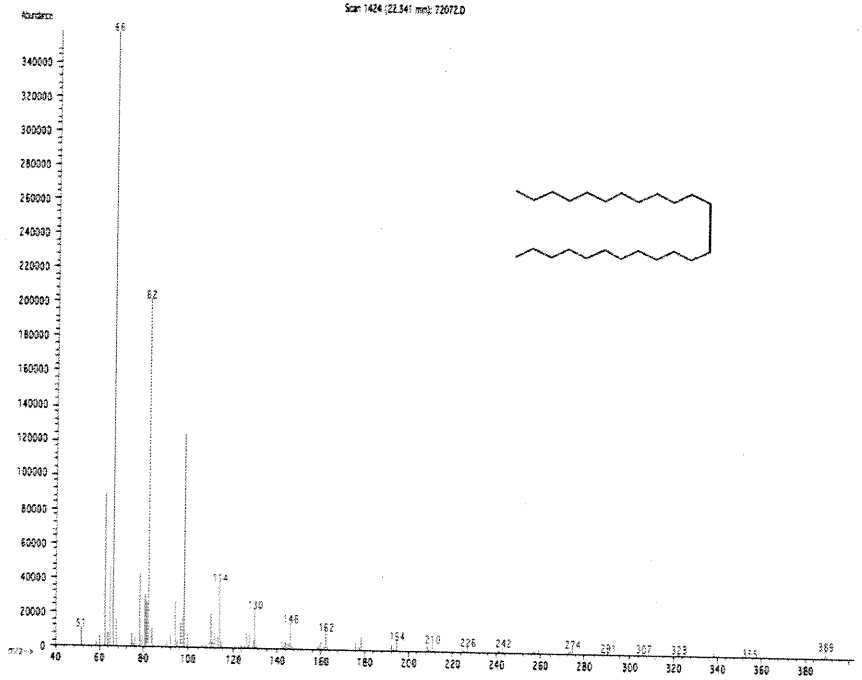
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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.





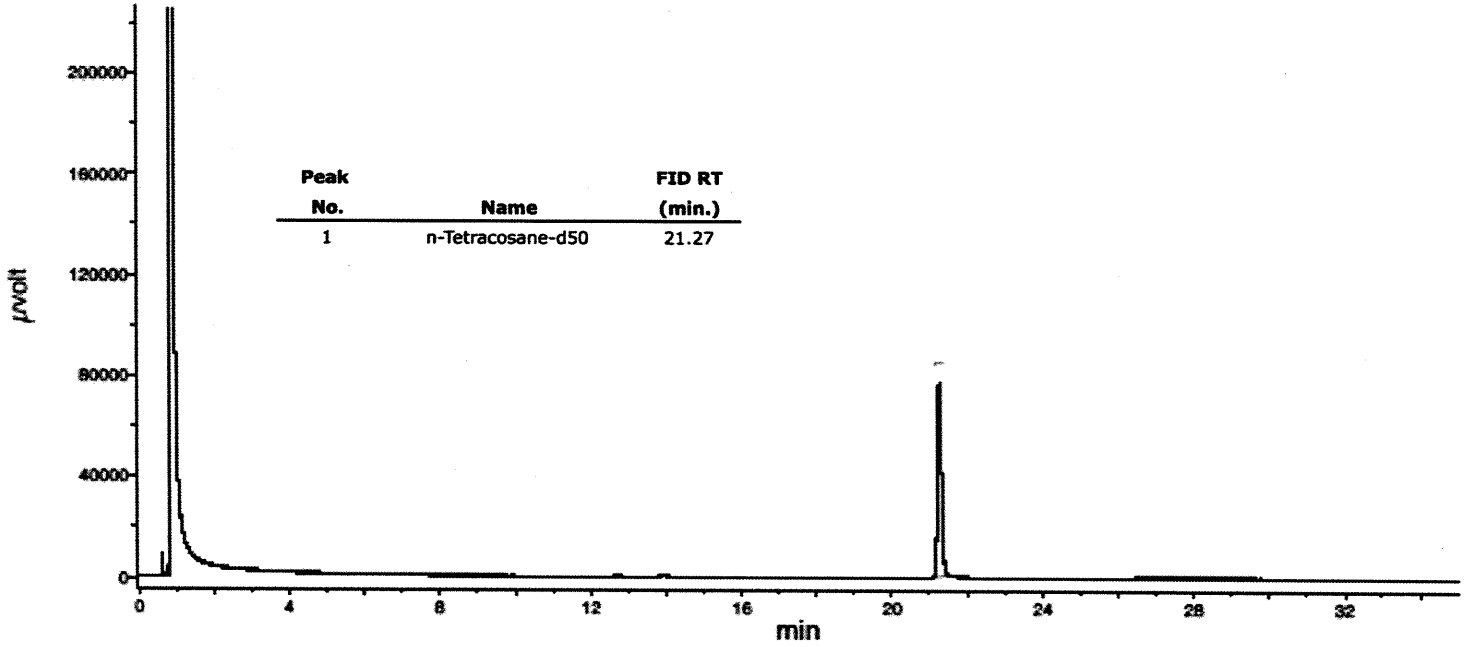
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2820
COC Number 2045331

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY:
ADDRESS: See page 1
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION
☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT NYSDEC

ANALYSIS
1: VOC/SVOC 2: Pest/PCB 3. Metals 4 5 6 7 8 9

PRESERVATIVES

COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	82H - S	S	C		8/6/25	1215	5	X								
2.	82H - W					1230		X								
3.	82H - N					1250		X								
4.	SOIL - DUP - 1				8/6/25			X								
5.	518R - E				8/7/25	0900		X								
6.	518R - N					0940		X								
7.	518R - S					0930		X								
8.	518R - W					0950	5	X								
9.	705R - S					1100	3	X	X	X						
10.	SOIL - DUP - 2						3	X	X	X						

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. GMC	6:01	1. 8.8.25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.9c °C
Comments:

Page 3 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2820
COC Number 2045332

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY:
ADDRESS: See page 1
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION
☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT NYSDEC

ANALYSIS
1: VOC / SVOC
2: Pest / PCB
3: Metals
4
5
6
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	10PC-W	S	C		8/7/25	1235	5	X									
2.	10PC-S					1240		X									
3.	10P-W					1255		X									
4.	10P-E					1300		X									
5.	10P-S					1320		X									
6.	10P-N					1330		X									
7.	88H-E				8/8/25	0825		X									
8.	88H-N					0840		X									
9.	88H-W					0850		X									
10.	88H-S					0900		X									

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. GML	6:01	1. 8.8.25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.7C °C
Comments:

Page 4 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2820
COC Number 2045333

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY:
ADDRESS: See Page 1
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) ____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT NYSDEC

ANALYSIS

1: VOC / SVOC 2: Pest / PCB 3. Metals 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	22M-N	S	C		8/8/25	1125	5	x									
2.	22M-W					1050	5	x									
3.	22M-E					1115	5	x									
4.	22M-S					1100	7	x	x	x							
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. GMC	6:01	1. 2-8-25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.9°C °C
Comments:

Page 5 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 12:29:00 PM
Project Name : USACE018-44 DOD
Receive DateTime : 8/8/2025 6:01:00 PM
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
Q2820-01	82H-S	Solid	08/06/2025	12:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-02	82H-W	Solid	08/06/2025	12:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-03	82H-N	Solid	08/06/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-04	SOIL-DUP-1	Solid	08/06/2025	00:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-05	518R-E	Solid	08/07/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-06	518R-N	Solid	08/07/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-07	518R-S	Solid	08/07/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-08	518R-W	Solid	08/07/2025	09:50					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 12:29:00 PM
Project Name : USACE018-44 DOD
Receive DateTime : 8/8/2025 6:01:00 PM
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
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-09	705R-S	Solid	08/07/2025	11:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-10	SOIL-DUP-2	Solid	08/07/2025	00:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-11	10PC-W	Solid	08/07/2025	12:35						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-12	10PC-S	Solid	08/07/2025	12:40						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-13	10P-W	Solid	08/07/2025	12:55						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-14	10P-E	Solid	08/07/2025	13:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-15	10P-S	Solid	08/07/2025	13:20						
					VOC-TCLVOA-10		8260D	10 Bus. Days		

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 12:29:00 PM
Project Name : USACE018-44 DOD
Receive DateTime : 8/8/2025 6:01:00 PM
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
Q2820-16	10P-N	Solid	08/07/2025	13:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-17	88H-E	Solid	08/08/2025	08:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-18	88H-N	Solid	08/08/2025	08:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-19	88H-W	Solid	08/08/2025	08:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-20	88H-S	Solid	08/08/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-21	22M-N	Solid	08/08/2025	11:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-22	22M-W	Solid	08/08/2025	10:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-23	22M-E	Solid	08/08/2025	11:15					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 12:29:00 PM
Project Name : USACE018-44 DOD
Receive DateTime : 8/8/2025 6:01:00 PM
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
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-24	22M-S	Solid	08/08/2025	11:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinguished By :
Date / Time : 8-11-25 1450

Received By :
Date / Time : 08/11/25 14:50
Storage Area : **VOA Refridgerator Room**

2 #6
5 2 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	#

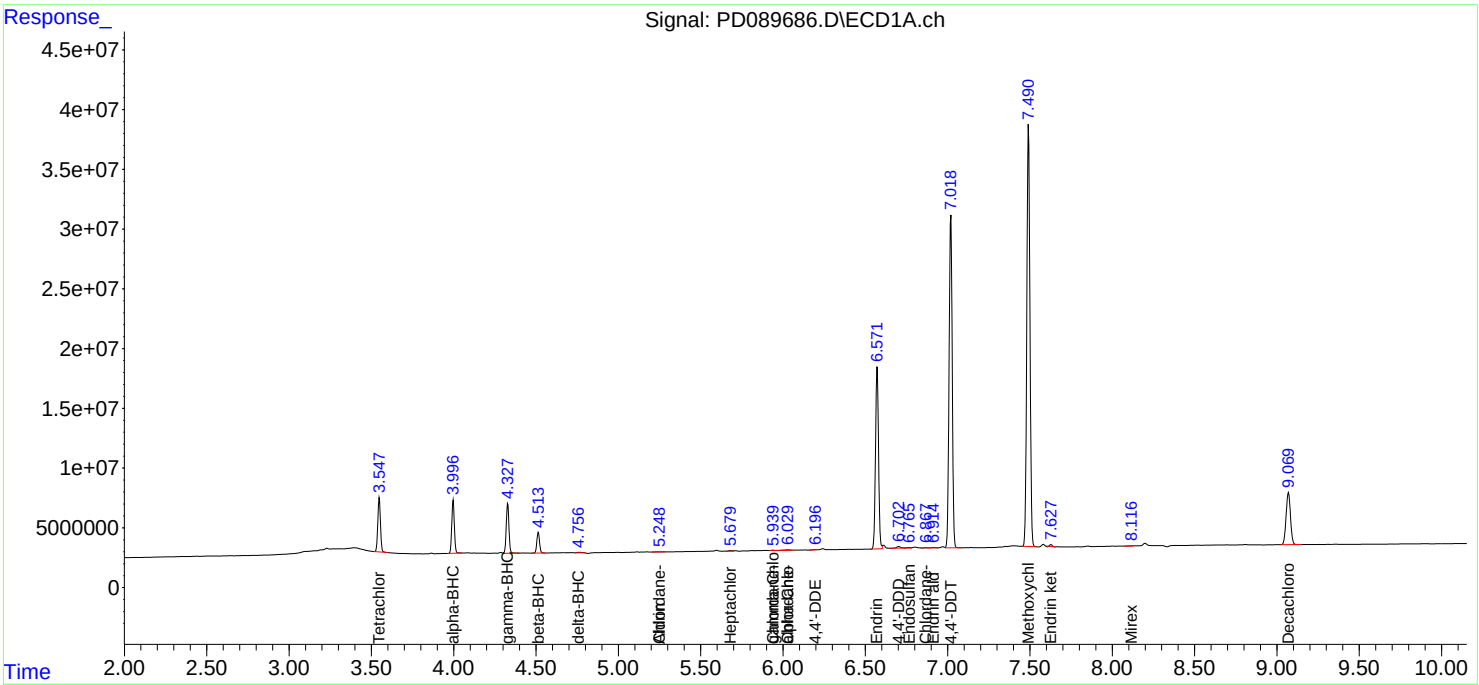
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

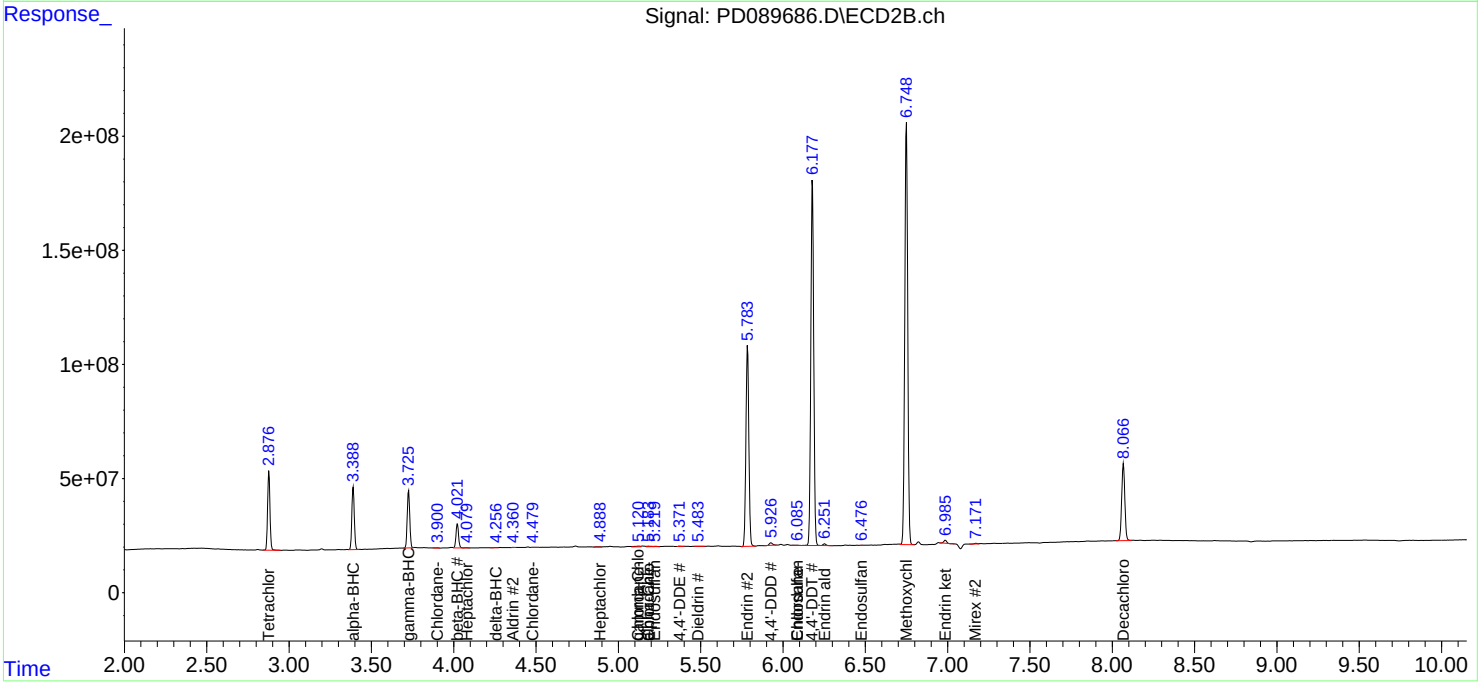
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

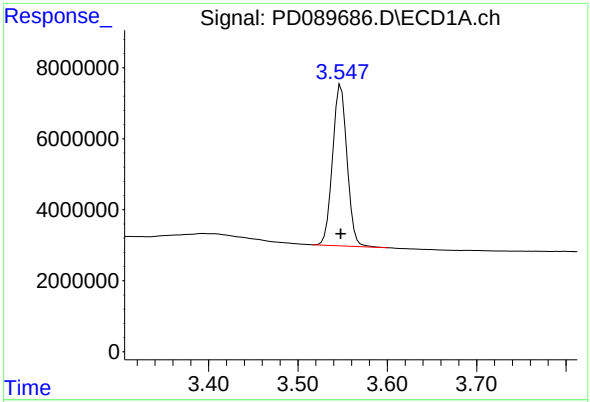
Instrument :
ECD_D
ClientSampleId :
PEM

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



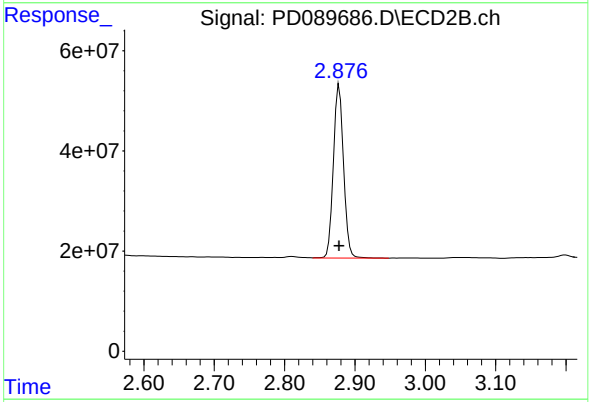




#1 Tetrachloro-m-xylene

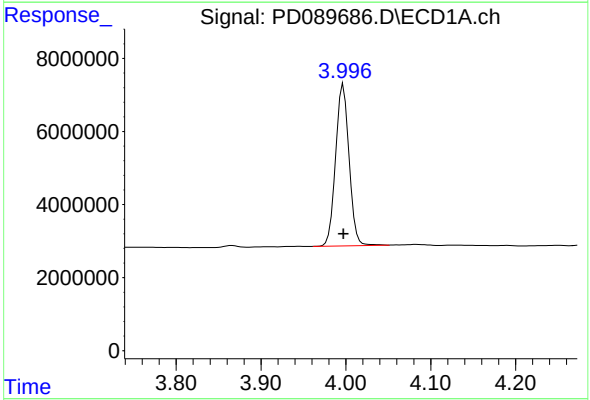
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 50972762
Conc: 20.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



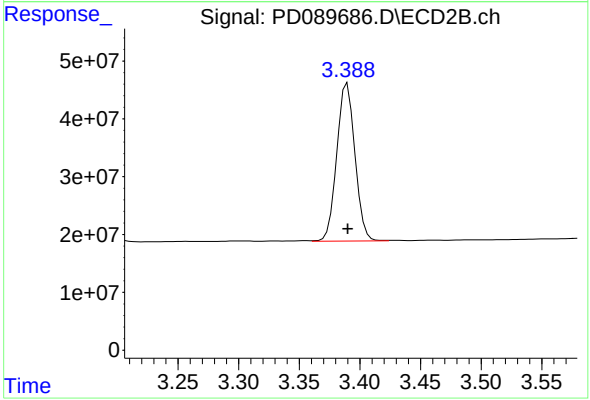
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 348246363
Conc: 21.99 ng/ml



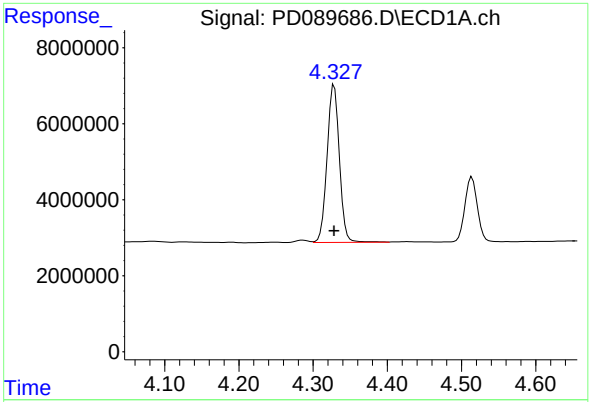
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 48629241
Conc: 9.82 ng/ml



#2 alpha-BHC

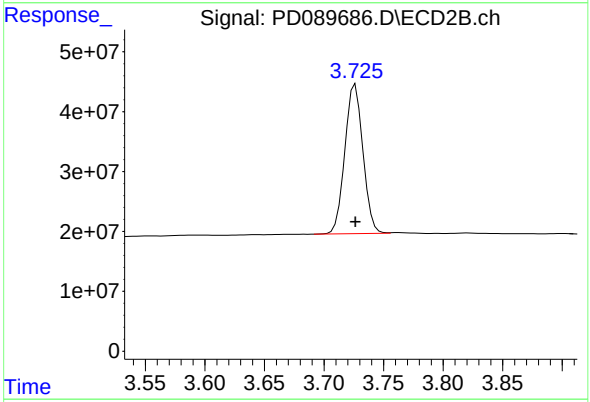
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 283494256
Conc: 11.66 ng/ml



#3 gamma-BHC (Lindane)

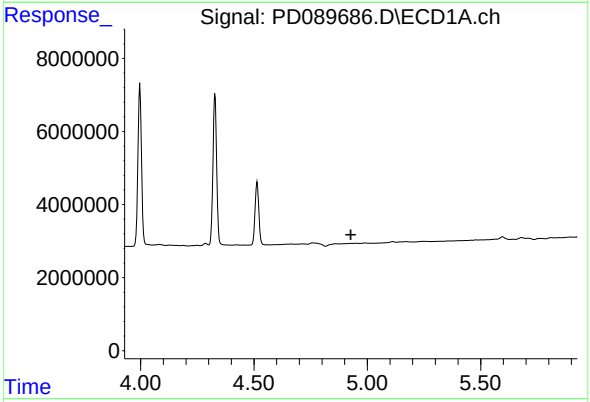
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 47886972
Conc: 10.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



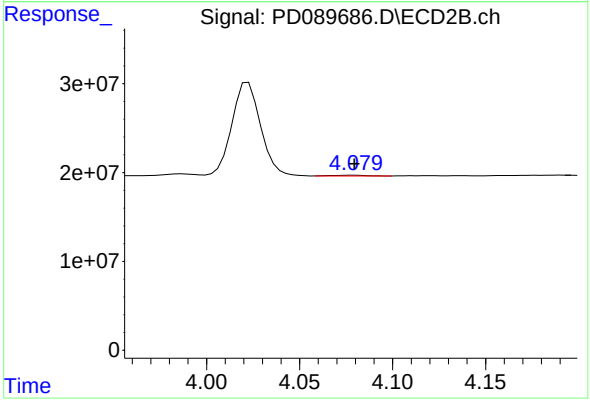
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 263580713
Conc: 11.70 ng/ml



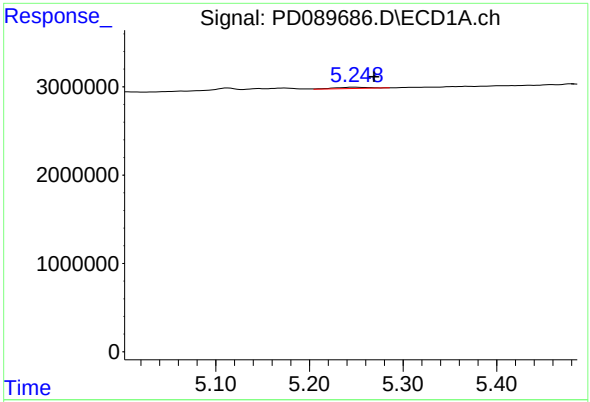
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.927 min
Response: 0
Conc: N.D.



#4 Heptachlor

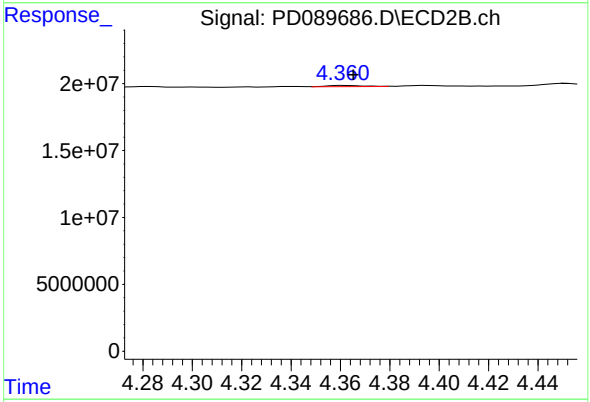
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1156341
Conc: 0.05 ng/ml



#5 Aldrin

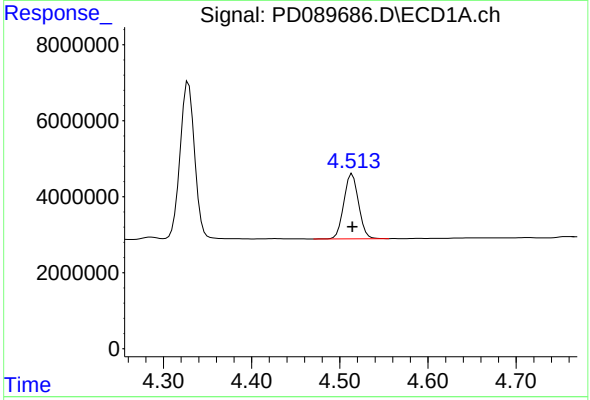
R.T.: 5.249 min
Delta R.T.: -0.020 min
Response: 361137
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



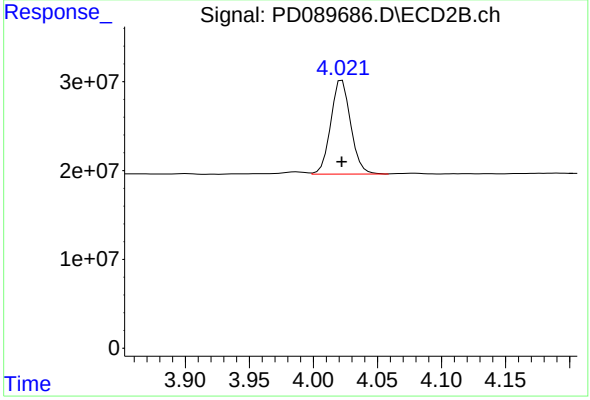
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.004 min
Response: 824641
Conc: 0.04 ng/ml



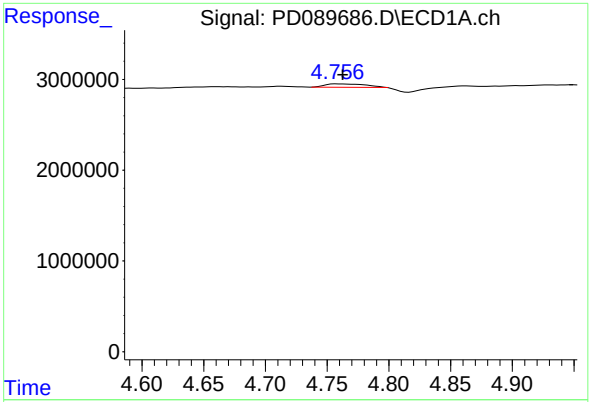
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 19846516
Conc: 10.76 ng/ml



#6 beta-BHC

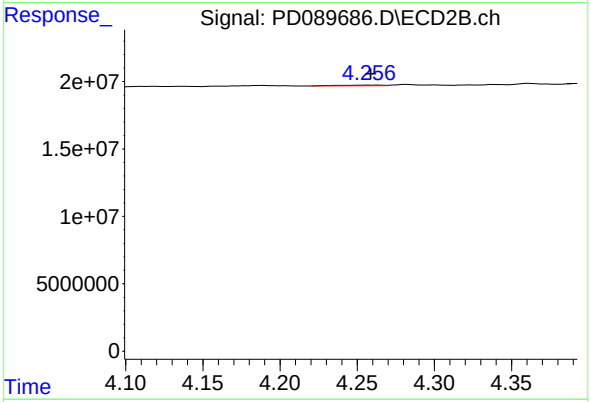
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 114263731
Conc: 11.84 ng/ml



#7 delta-BHC

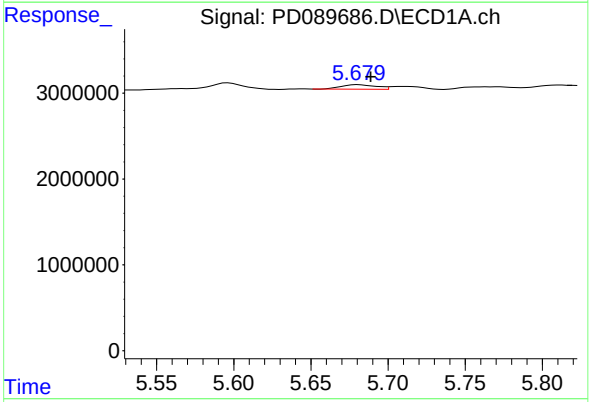
R.T.: 4.758 min
Delta R.T.: -0.005 min
Response: 854034
Conc: 0.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



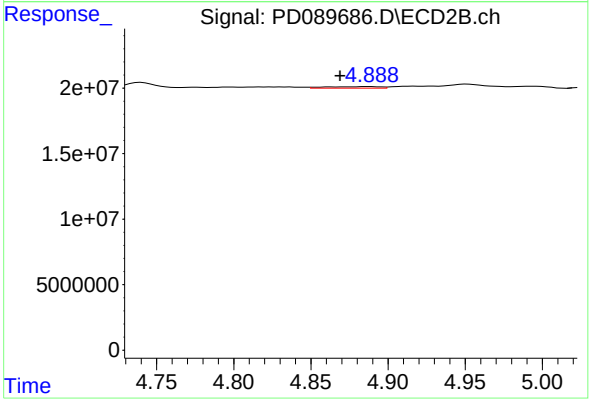
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.002 min
Response: 968577
Conc: 0.04 ng/ml



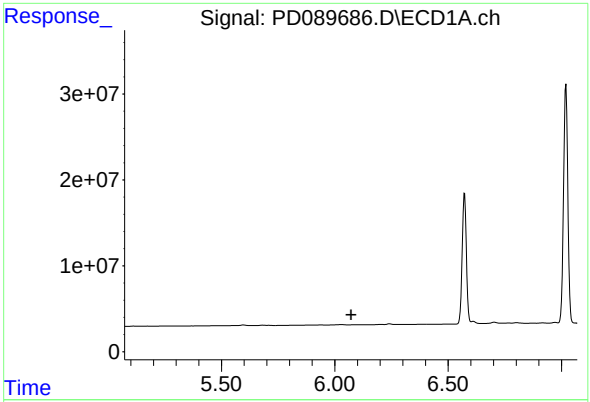
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.008 min
Response: 811816
Conc: 0.19 ng/ml



#8 Heptachlor epoxide

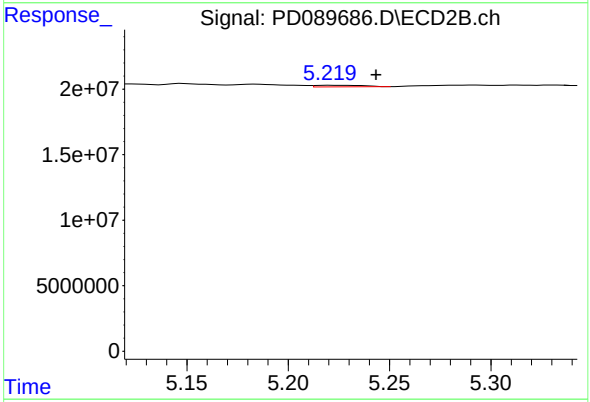
R.T.: 4.888 min
Delta R.T.: 0.019 min
Response: 2849041
Conc: 0.14 ng/ml



#9 Endosulfan I

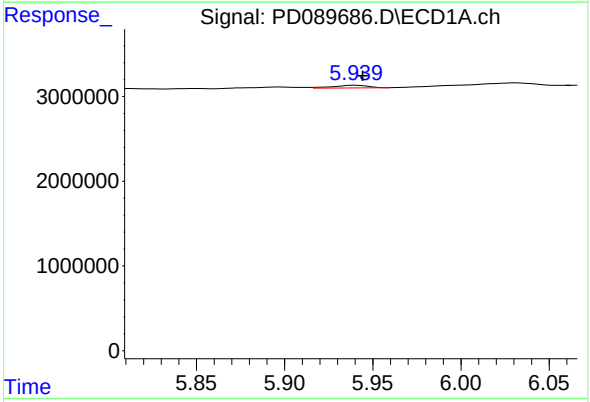
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



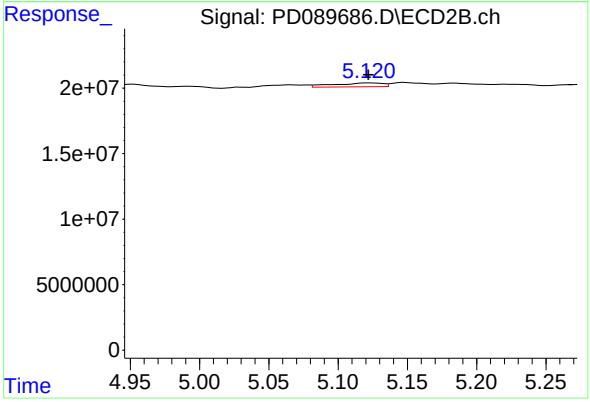
#9 Endosulfan I

R.T.: 5.222 min
Delta R.T.: -0.021 min
Response: 2014235
Conc: 0.10 ng/ml



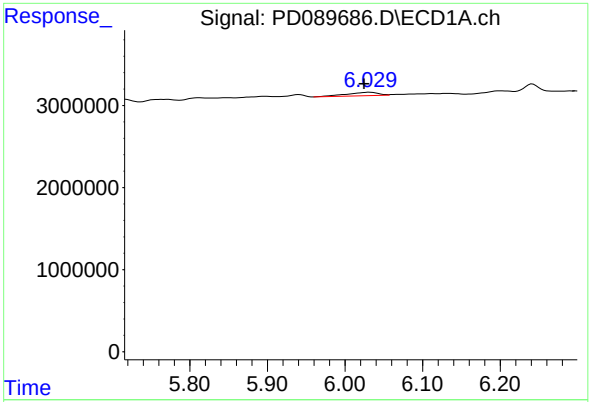
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 424117
Conc: 0.10 ng/ml



#10 gamma-Chlordane

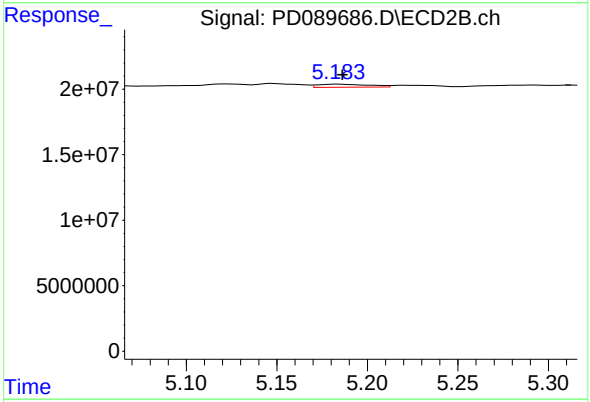
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 7320474
Conc: 0.34 ng/ml



#11 alpha-Chlordane

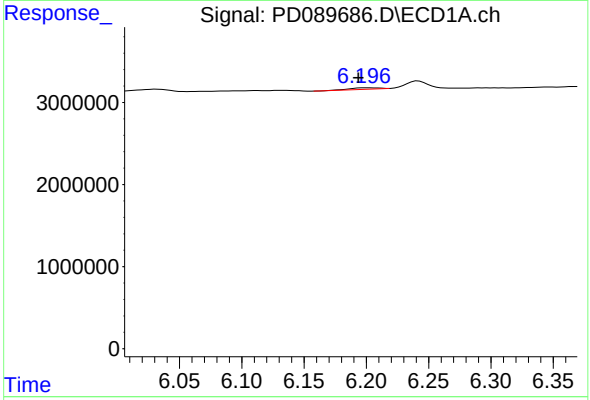
R.T.: 6.031 min
Delta R.T.: 0.006 min
Response: 1172686
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



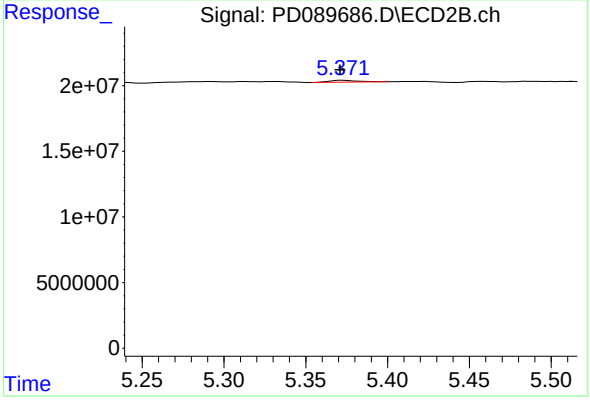
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 4533599
Conc: 0.22 ng/ml



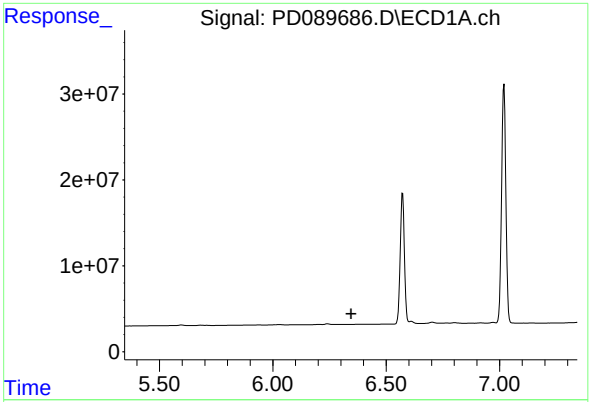
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.005 min
Response: 273496
Conc: 0.07 ng/ml



#12 4,4'-DDE

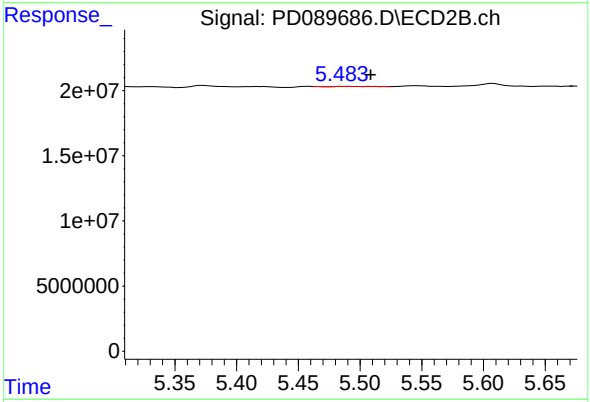
R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 1718680
Conc: 0.08 ng/ml



#13 Dieldrin

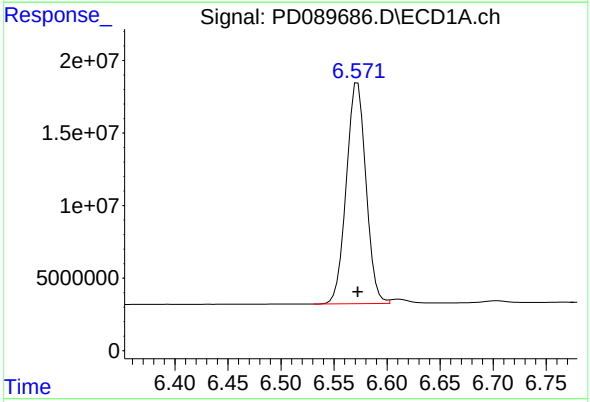
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



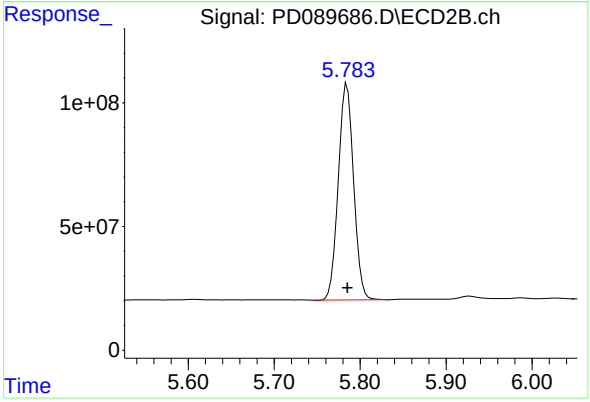
#13 Dieldrin

R.T.: 5.485 min
Delta R.T.: -0.024 min
Response: 92959
Conc: 0.00 ng/ml



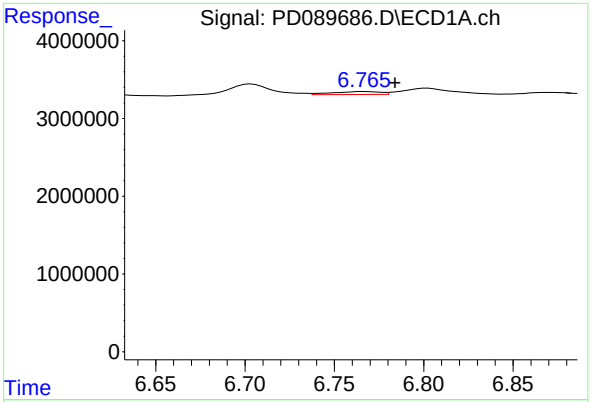
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 195800927
Conc: 54.73 ng/ml



#14 Endrin

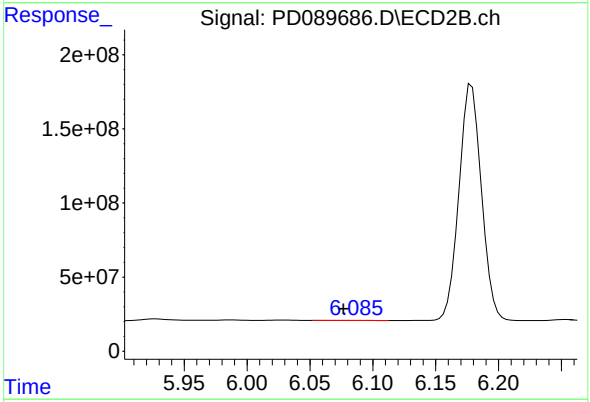
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1085241845
Conc: 54.47 ng/ml



#15 Endosulfan II

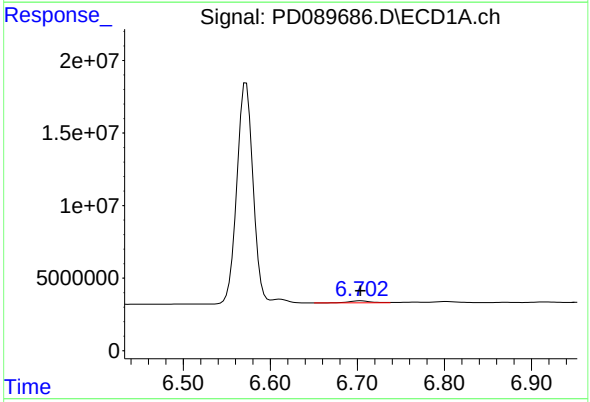
R.T.: 6.767 min
Delta R.T.: -0.017 min
Response: 715707
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



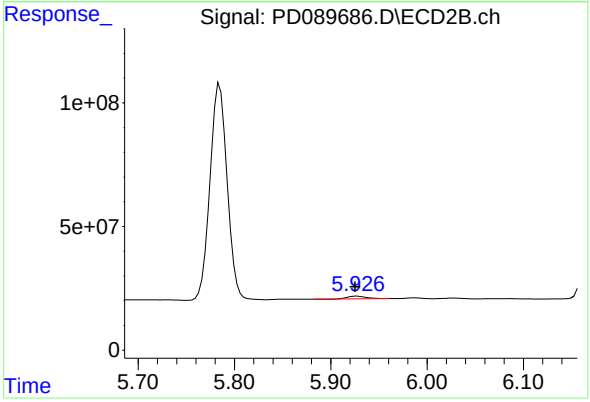
#15 Endosulfan II

R.T.: 6.086 min
Delta R.T.: 0.009 min
Response: 1921169
Conc: 0.10 ng/ml



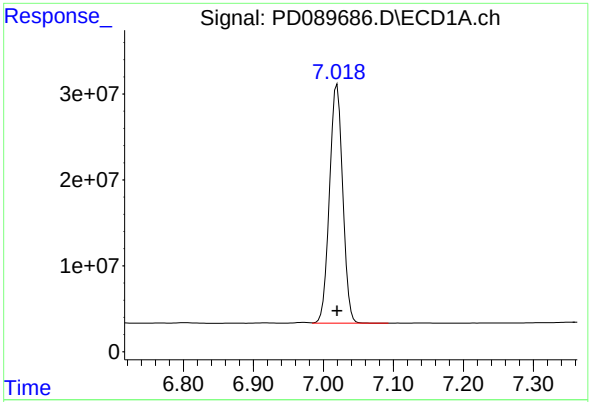
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 2381274
Conc: 0.80 ng/ml



#16 4,4'-DDD

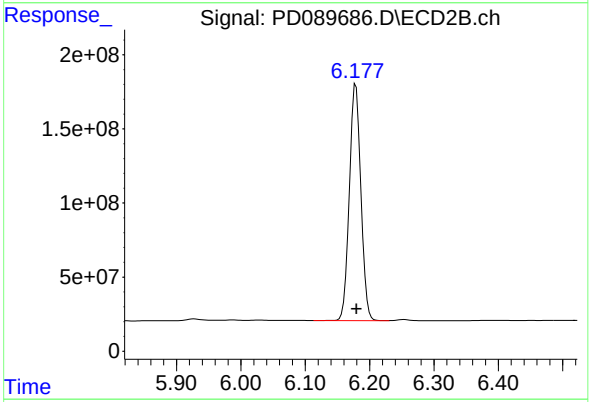
R.T.: 5.927 min
Delta R.T.: 0.002 min
Response: 14113020
Conc: 0.80 ng/ml



#17 4,4'-DDT

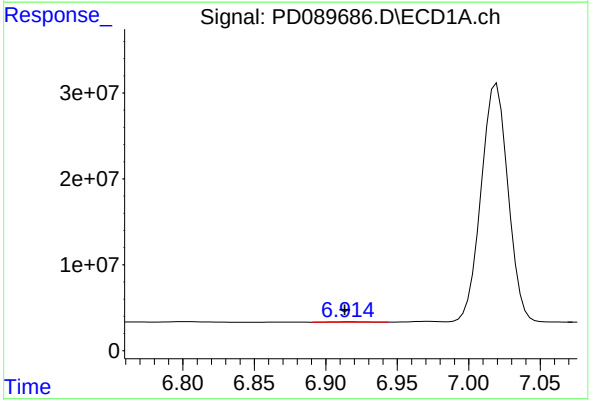
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 364771708
Conc: 108.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



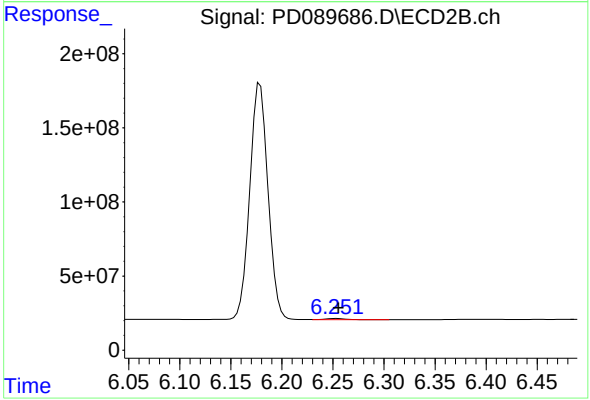
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1984665033
Conc: 108.02 ng/ml



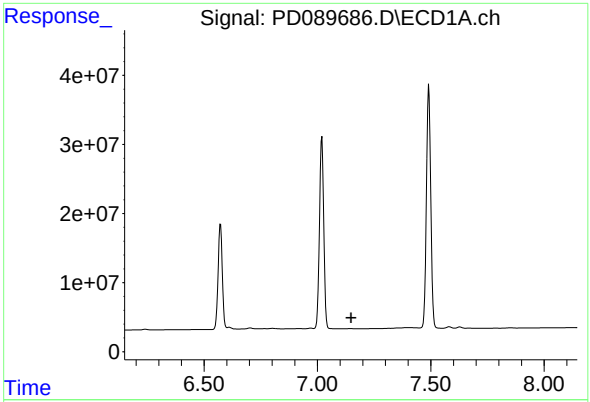
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 642296
Conc: 0.26 ng/ml



#18 Endrin aldehyde

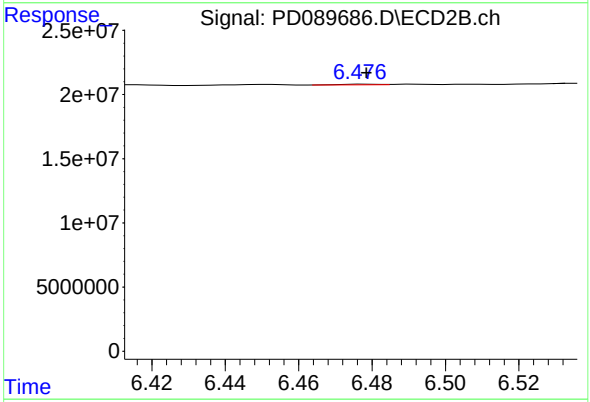
R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 9551952
Conc: 0.74 ng/ml



#19 Endosulfan Sulfate

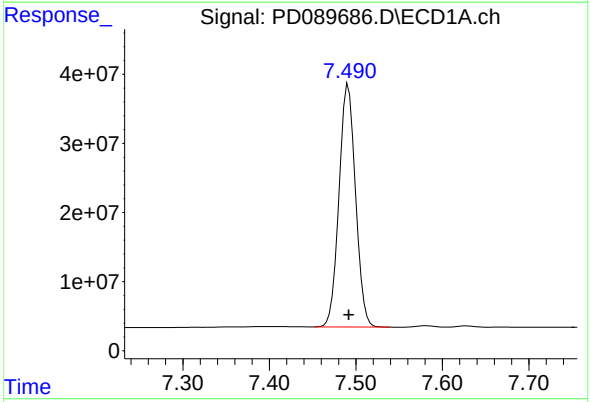
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



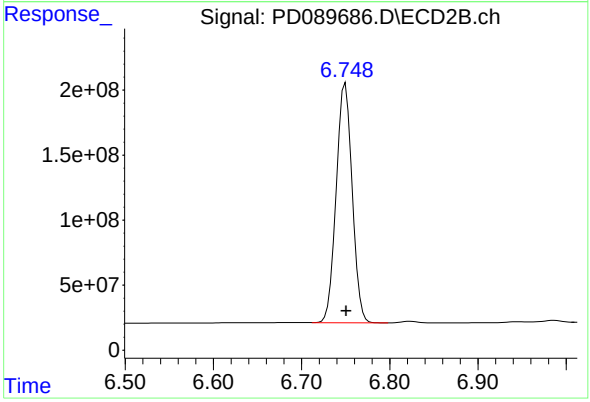
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 357056
Conc: 0.02 ng/ml



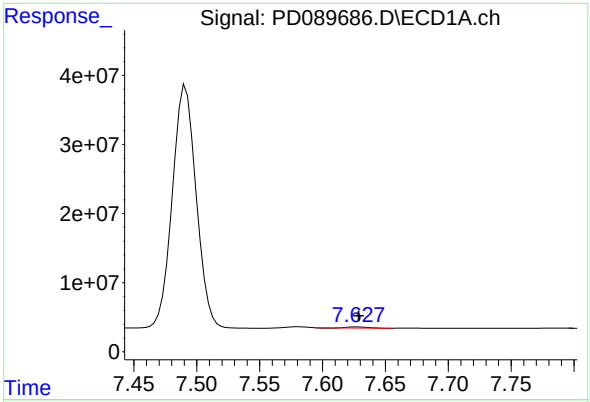
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 462952824
Conc: 258.93 ng/ml



#20 Methoxychlor

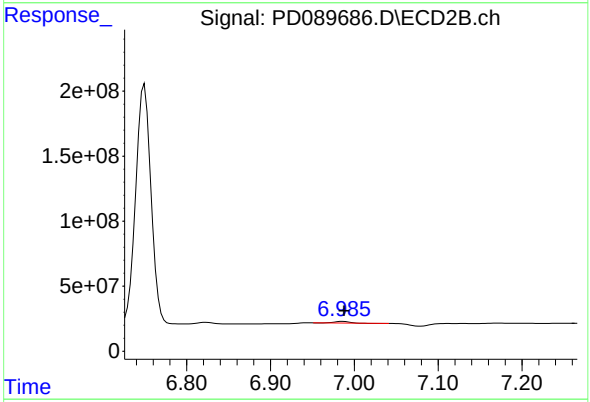
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 2323412506
Conc: 237.19 ng/ml



#21 Endrin ketone

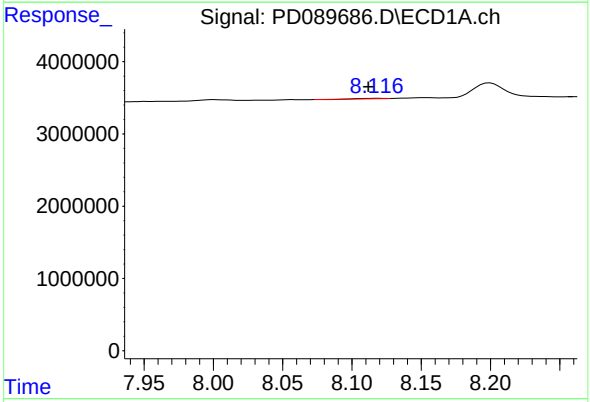
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 1466086
Conc: 0.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



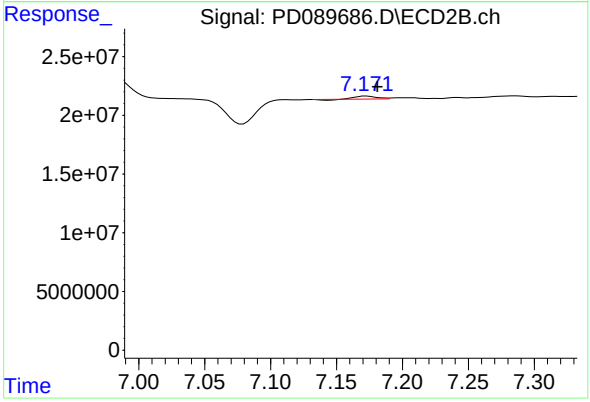
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 14317832
Conc: 0.71 ng/ml



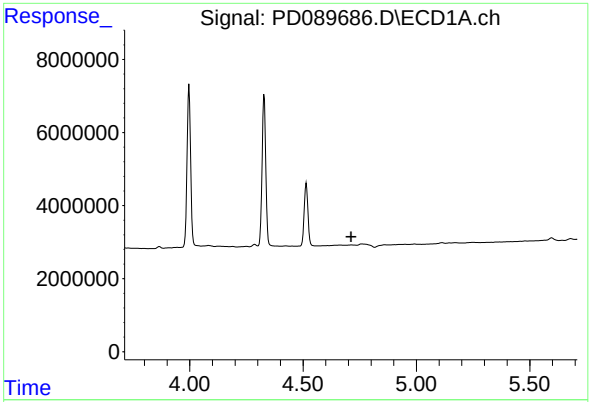
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.008 min
Response: 78826
Conc: 0.03 ng/ml



#22 Mirex

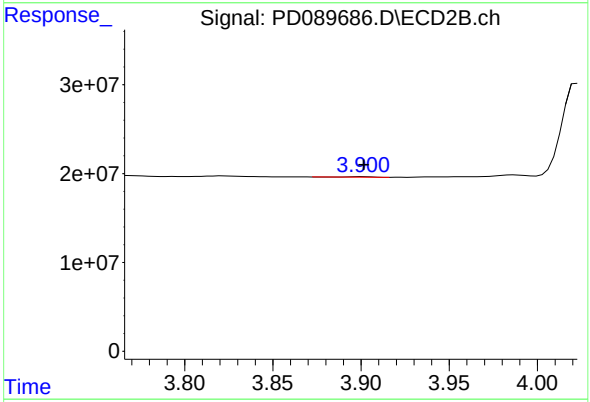
R.T.: 7.172 min
Delta R.T.: -0.009 min
Response: 2532809
Conc: 0.17 ng/ml



#23 Chlordane-1

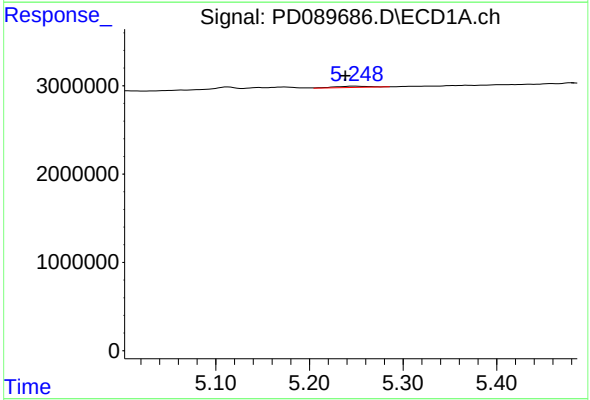
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



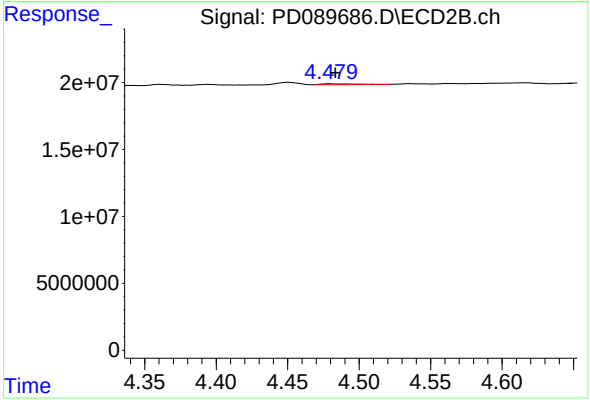
#23 Chlordane-1

R.T.: 3.901 min
Delta R.T.: 0.000 min
Response: 579301
Conc: 0.79 ng/ml



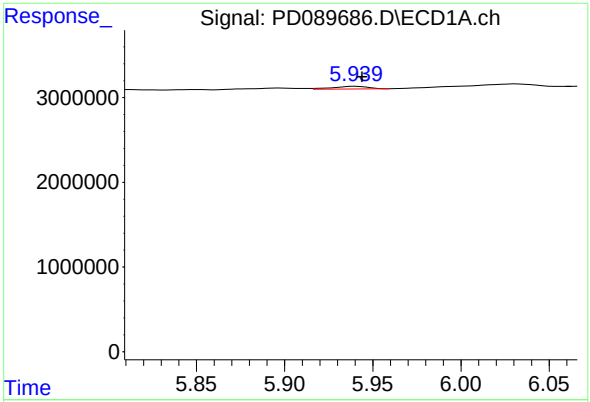
#24 Chlordane-2

R.T.: 5.249 min
Delta R.T.: 0.010 min
Response: 361137
Conc: 2.13 ng/ml



#24 Chlordane-2

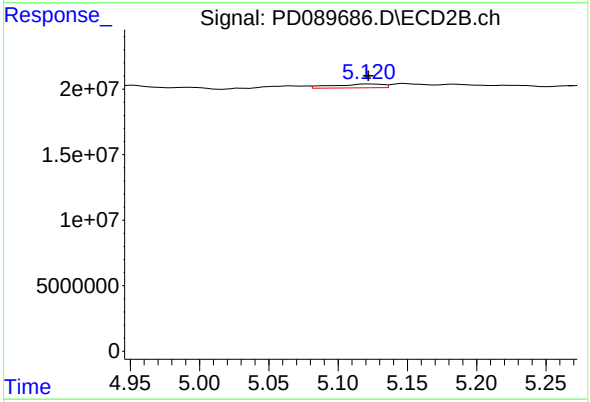
R.T.: 4.480 min
Delta R.T.: -0.004 min
Response: 1166415
Conc: 1.53 ng/ml



#25 Chlordane-3

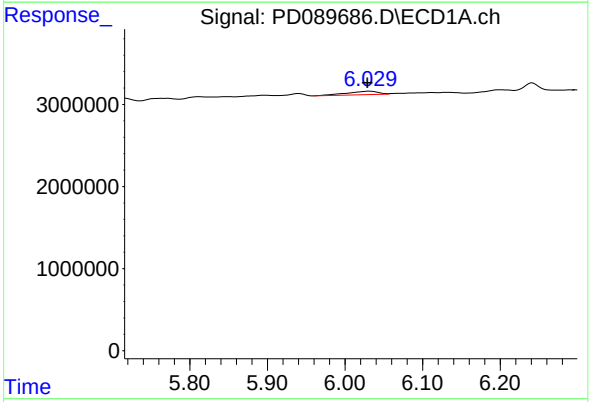
R.T.: 5.940 min
Delta R.T.: -0.003 min
Response: 424117
Conc: 0.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



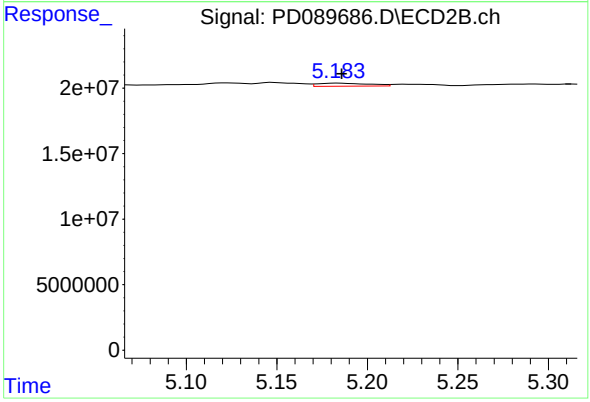
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 7320474
Conc: 3.16 ng/ml



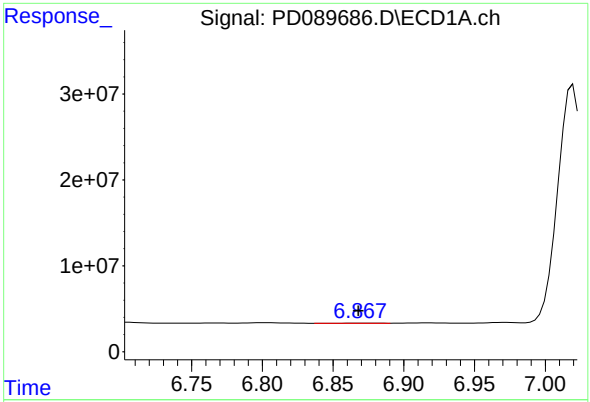
#26 Chlordane-4

R.T.: 6.031 min
Delta R.T.: 0.002 min
Response: 1172686
Conc: 1.40 ng/ml



#26 Chlordane-4

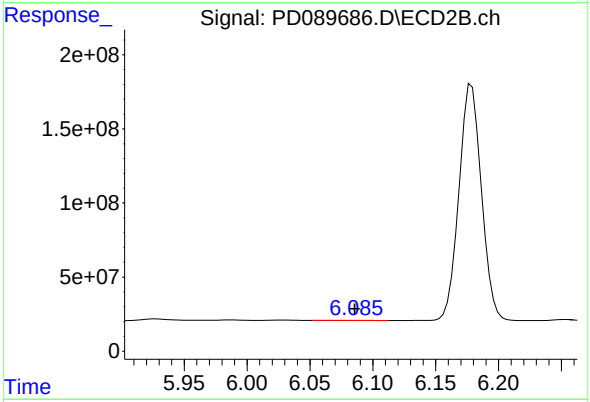
R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 4533599
Conc: 2.28 ng/ml



#27 Chlordane-5

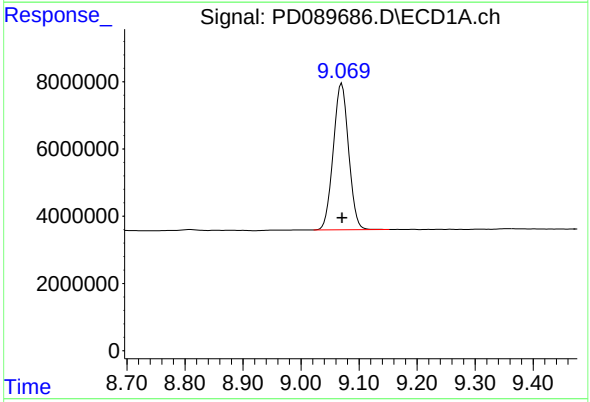
R.T.: 6.871 min
Delta R.T.: 0.004 min
Response: 148005
Conc: 1.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



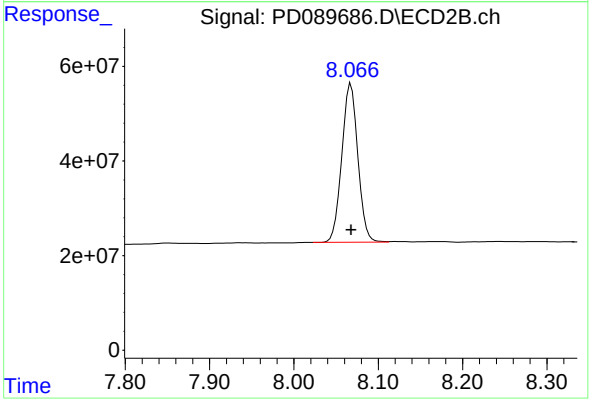
#27 Chlordane-5

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

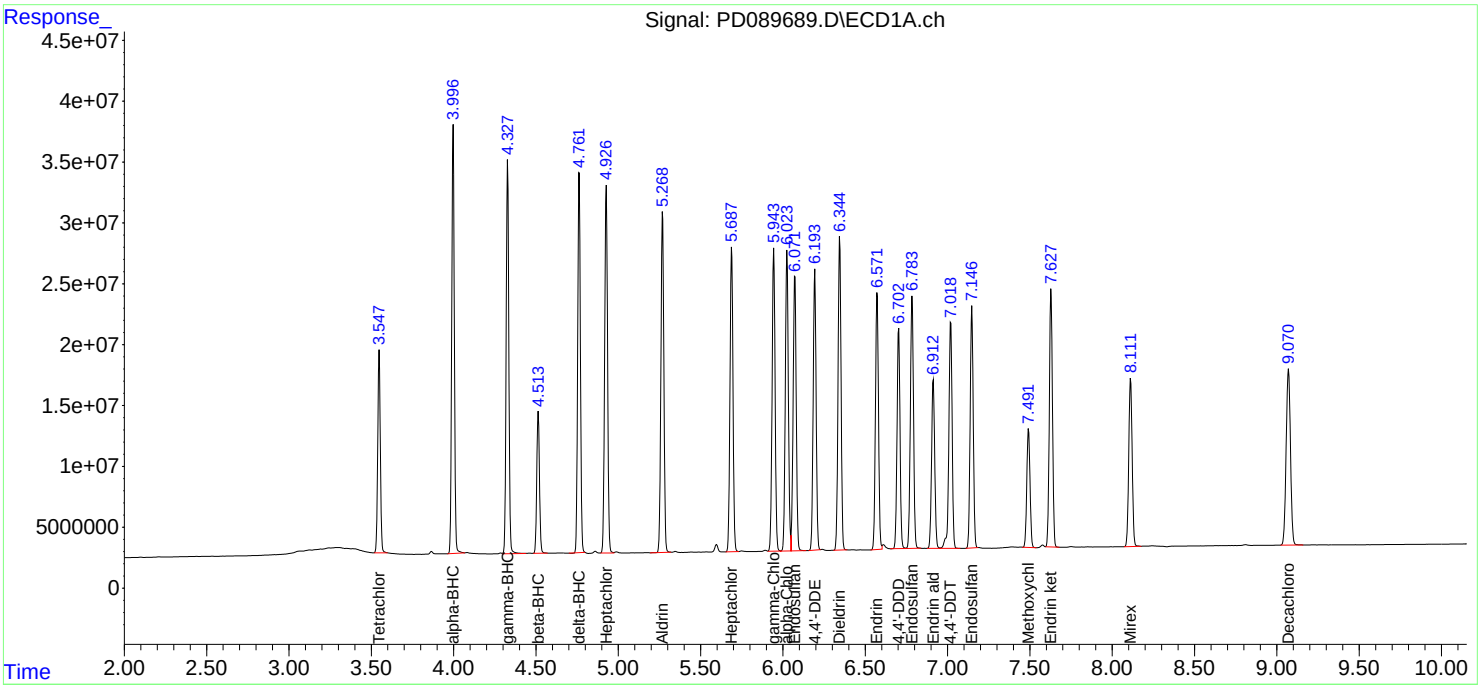
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

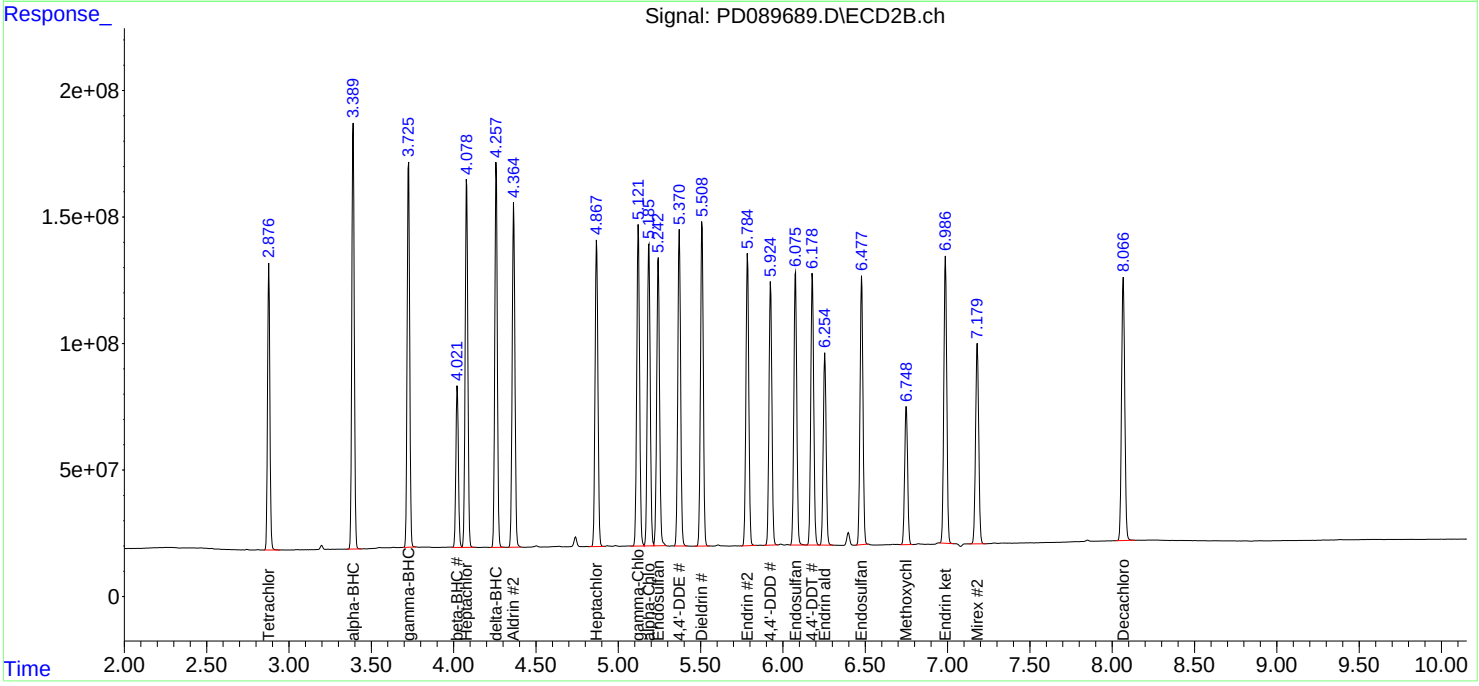
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:01
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

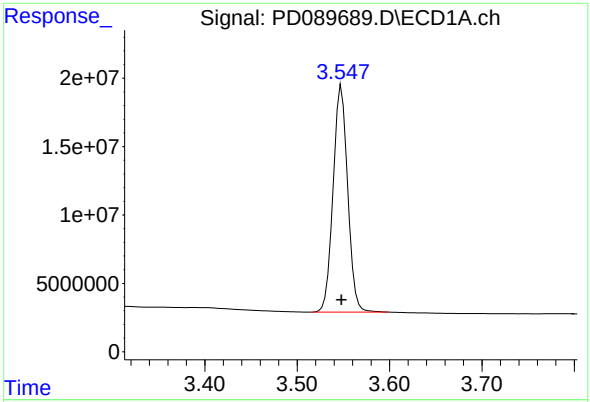
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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



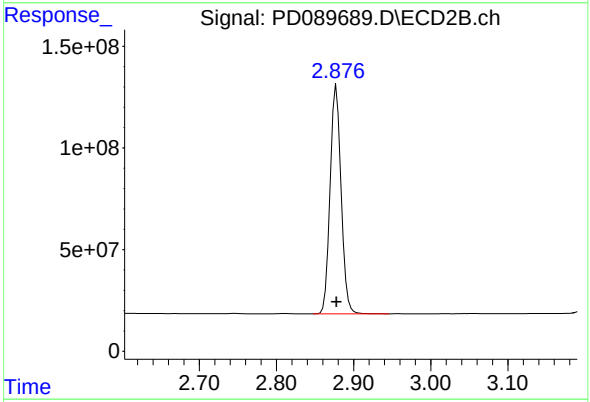




#1 Tetrachloro-m-xylene

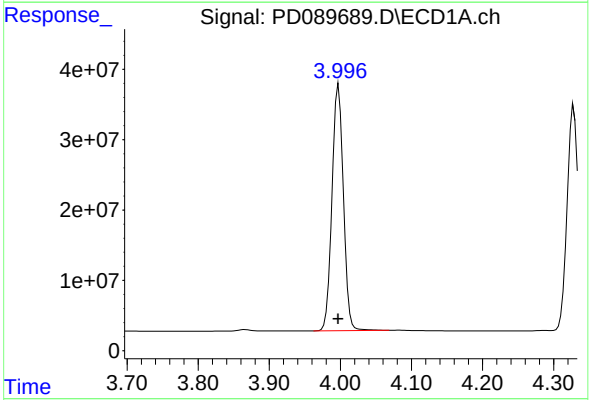
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 182031181
Conc: 74.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



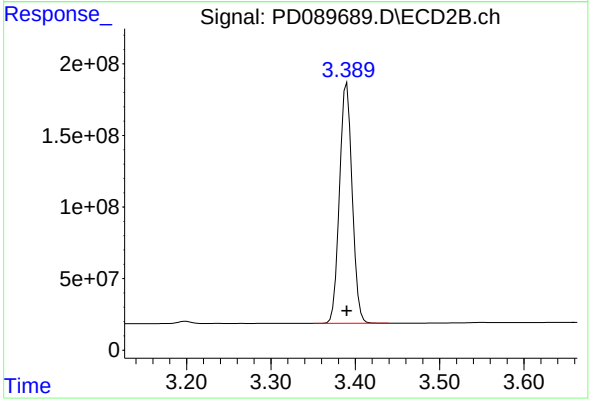
#1 Tetrachloro-m-xylene

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



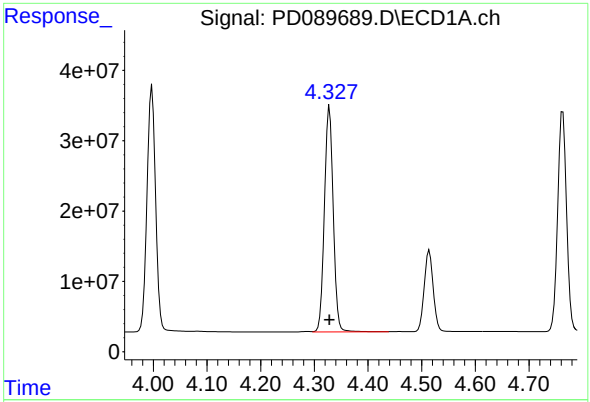
#2 alpha-BHC

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



#2 alpha-BHC

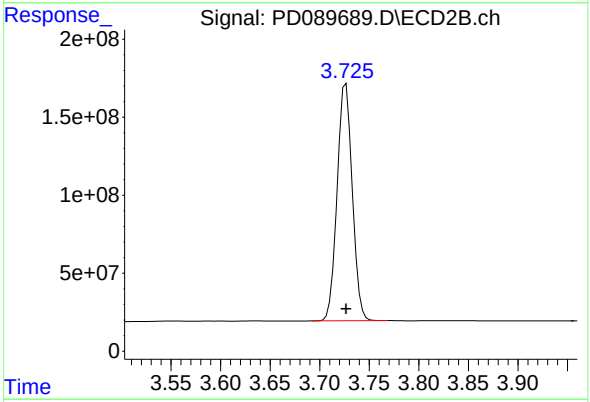
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1750199710
Conc: 73.01 ng/ml



#3 gamma-BHC (Lindane)

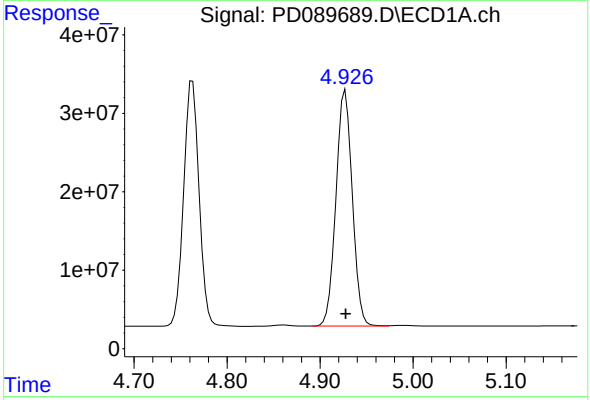
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 366574112
Conc: 76.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



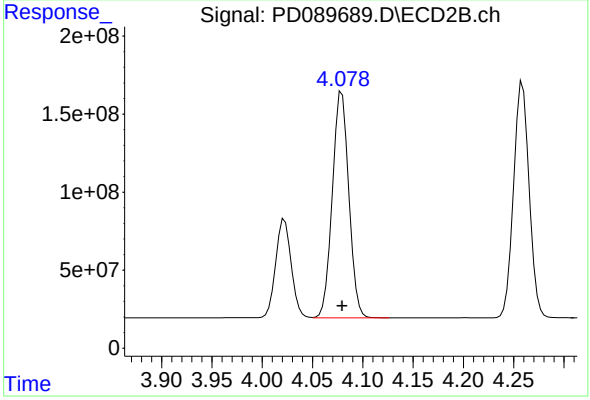
#3 gamma-BHC (Lindane)

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



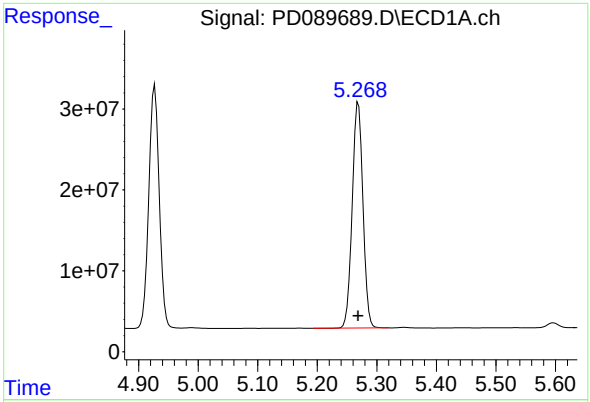
#4 Heptachlor

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



#4 Heptachlor

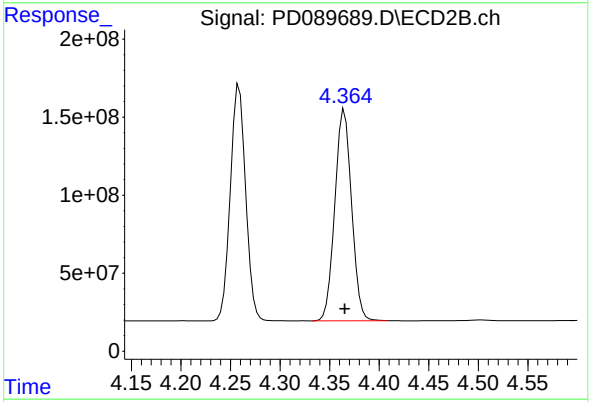
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1652132102
Conc: 72.68 ng/ml



#5 Aldrin

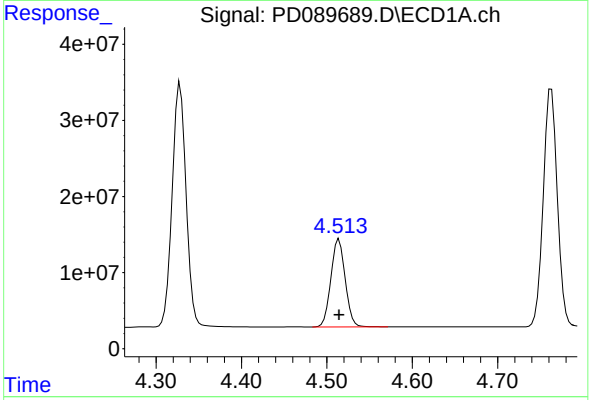
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 349241334
Conc: 75.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



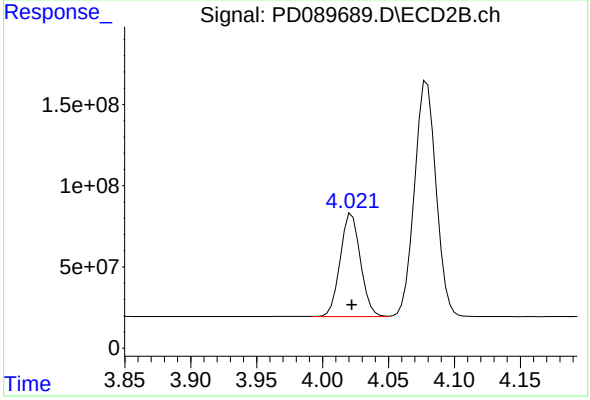
#5 Aldrin

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



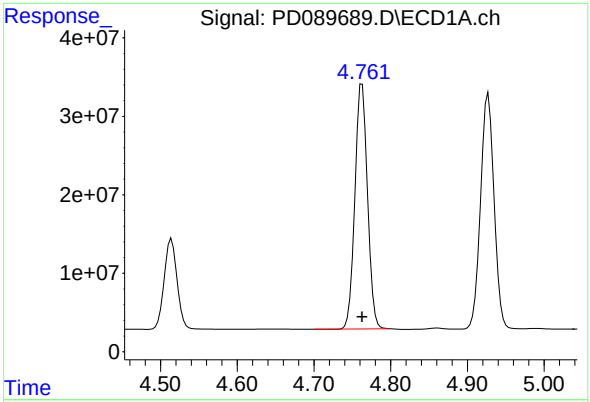
#6 beta-BHC

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



#6 beta-BHC

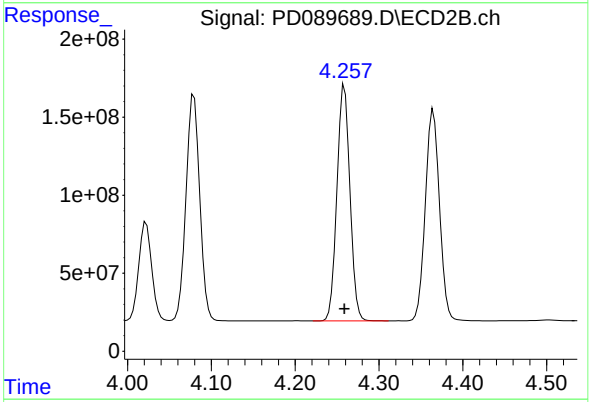
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 678115739
Conc: 72.13 ng/ml



#7 delta-BHC

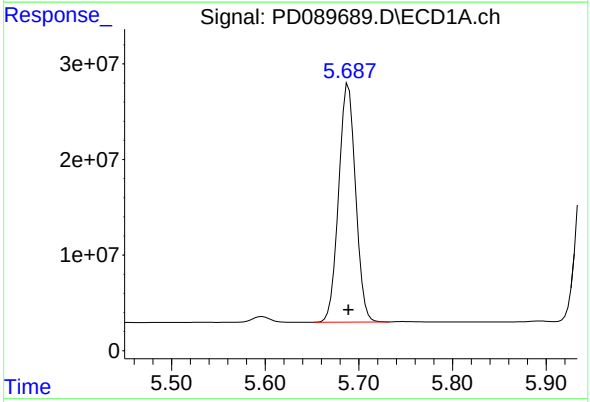
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 358177063
Conc: 76.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



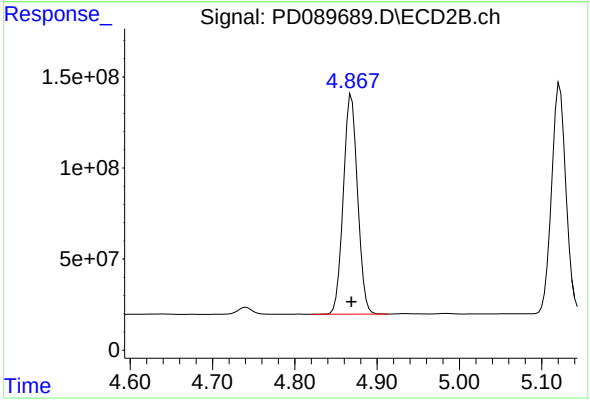
#7 delta-BHC

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



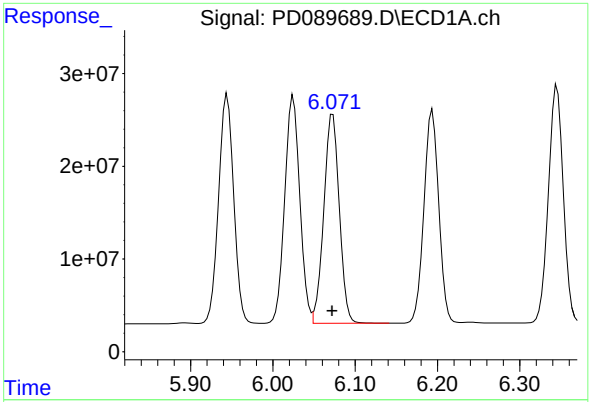
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

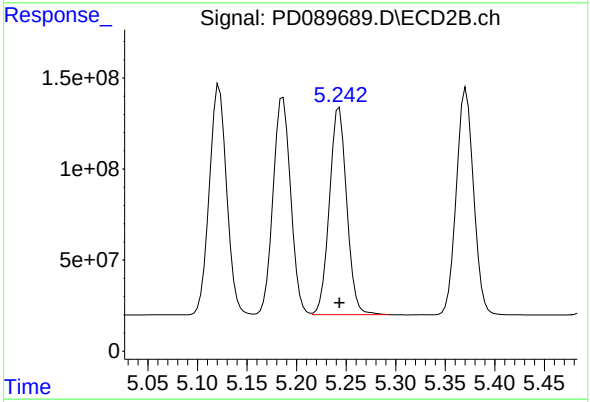
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1455352641
Conc: 72.42 ng/ml



#9 Endosulfan I

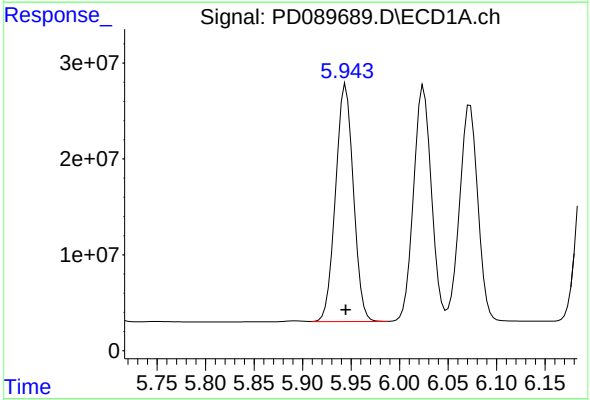
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 295740738
Conc: 75.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



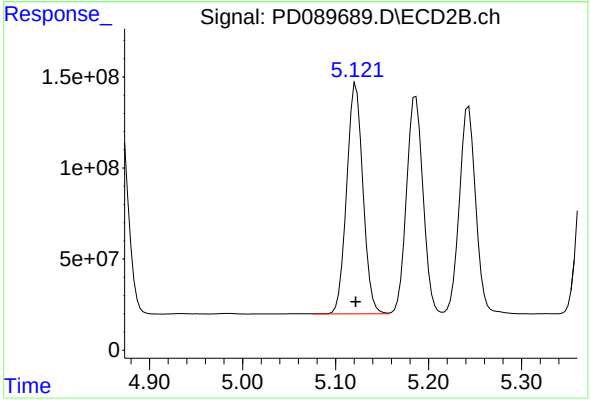
#9 Endosulfan I

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



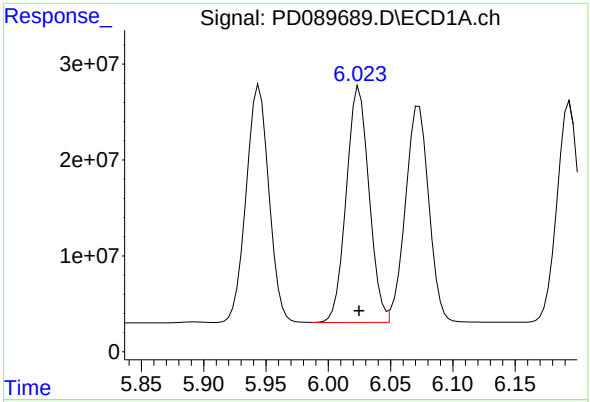
#10 gamma-Chlordane

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



#10 gamma-Chlordane

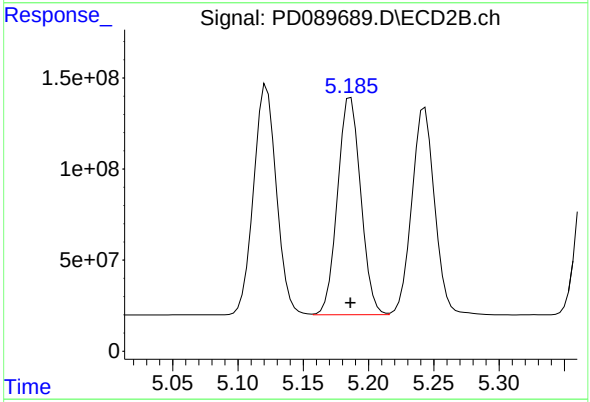
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1536831872
Conc: 72.55 ng/ml



#11 alpha-Chlordane

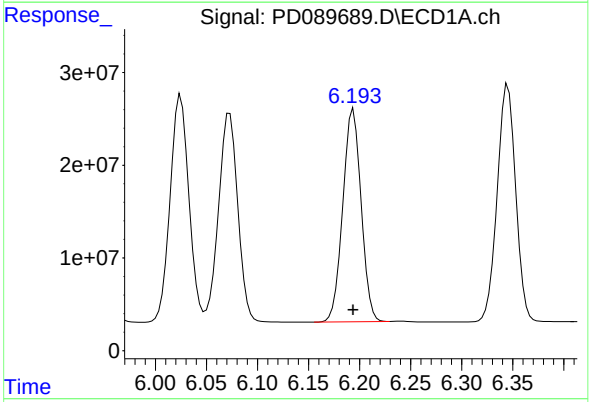
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 314259987
Conc: 75.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



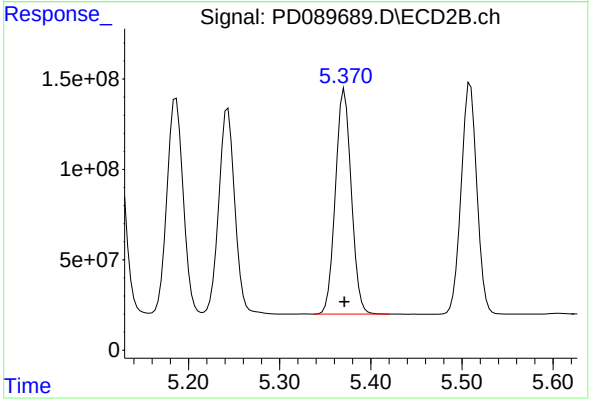
#11 alpha-Chlordane

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



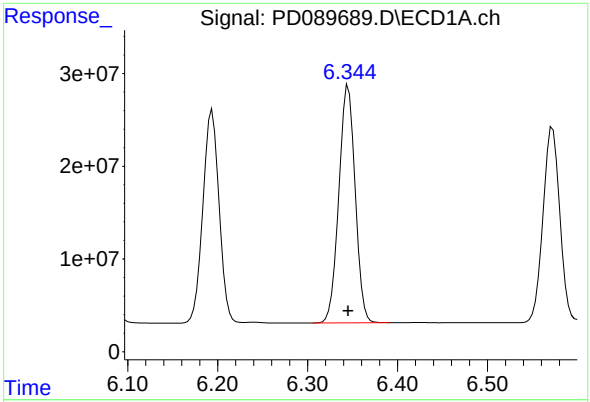
#12 4,4'-DDE

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



#12 4,4'-DDE

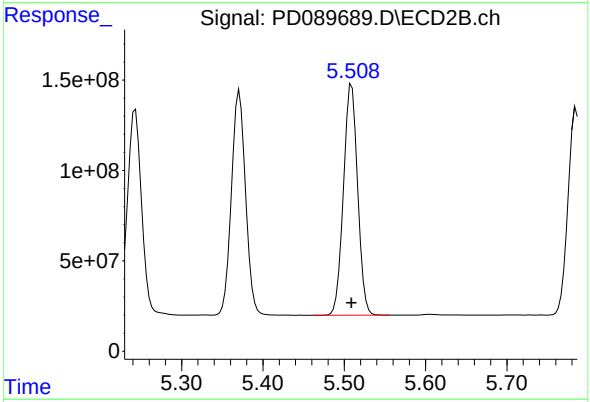
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1504841669
Conc: 72.58 ng/ml



#13 Dieldrin

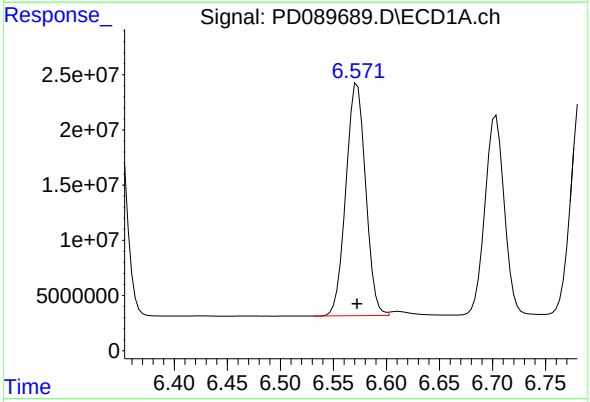
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 322820323
Conc: 76.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



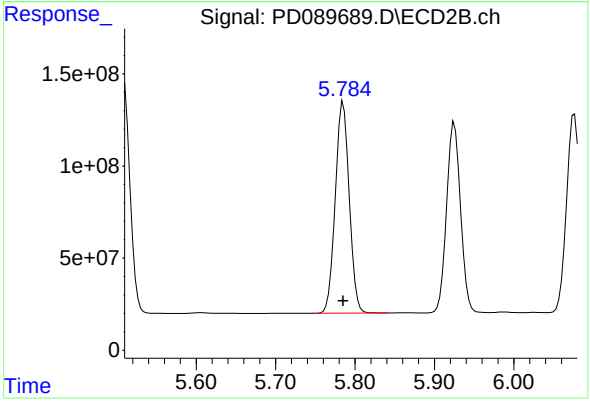
#13 Dieldrin

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



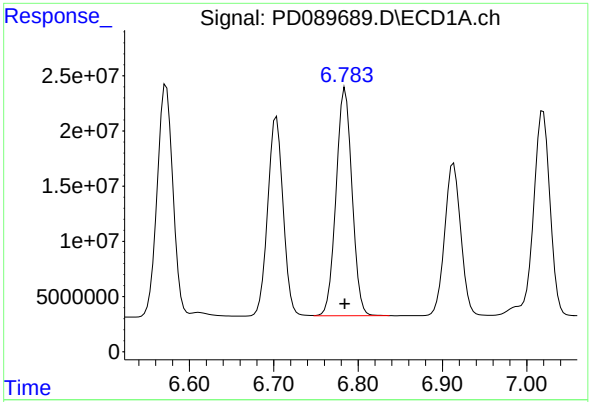
#14 Endrin

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



#14 Endrin

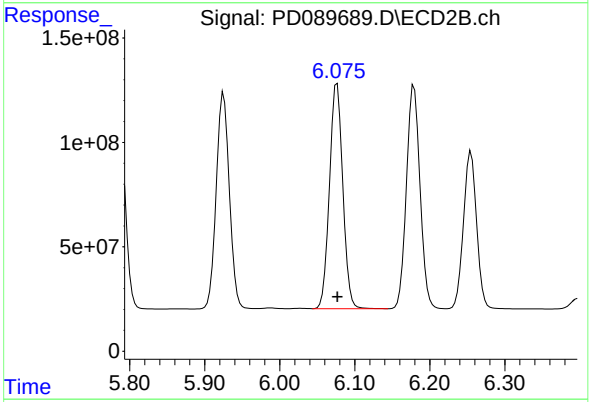
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1402632880
Conc: 72.31 ng/ml



#15 Endosulfan II

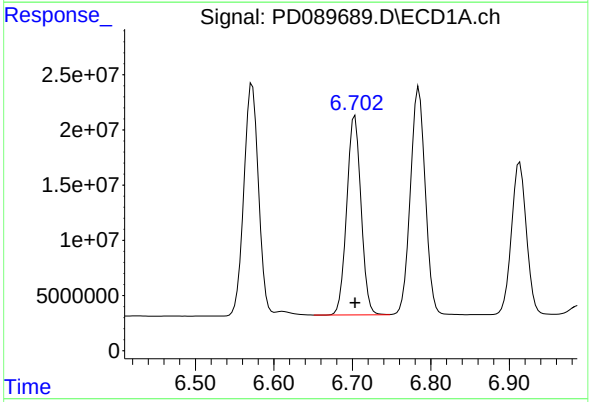
R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 271085392
Conc: 75.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



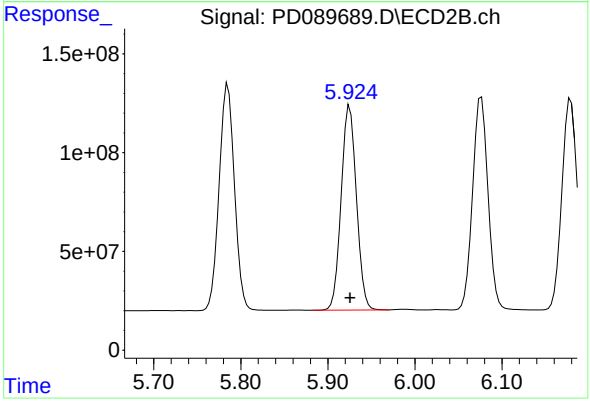
#15 Endosulfan II

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



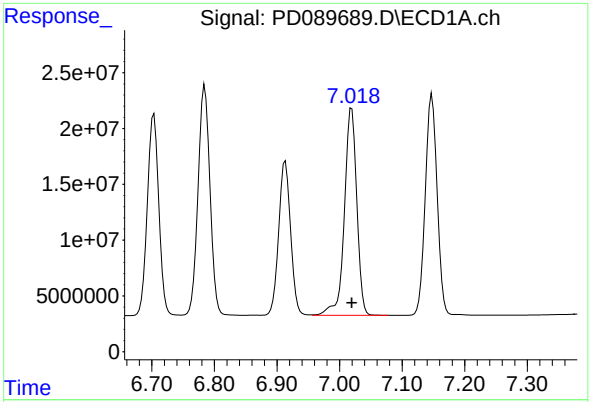
#16 4,4'-DDD

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



#16 4,4'-DDD

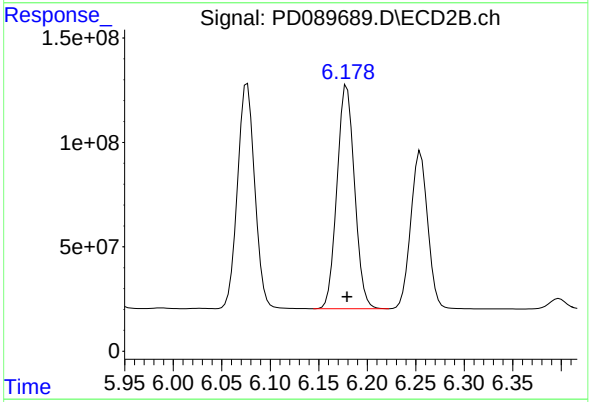
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 1259043880
Conc: 72.55 ng/ml



#17 4,4'-DDT

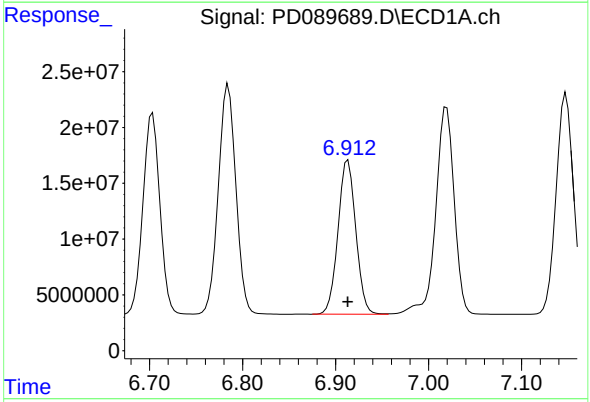
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 256220332
Conc: 76.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



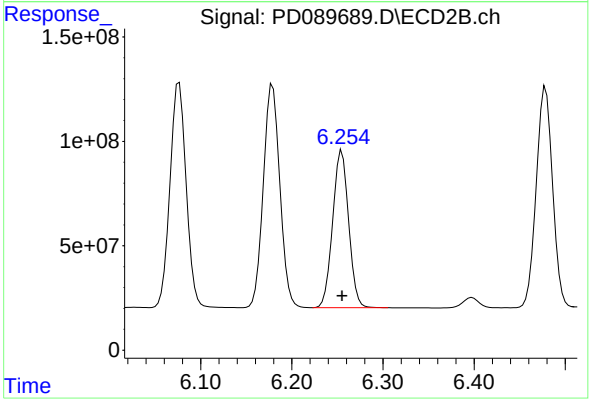
#17 4,4'-DDT

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



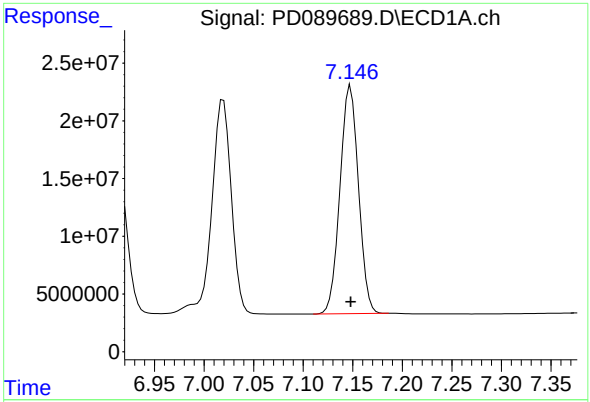
#18 Endrin aldehyde

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



#18 Endrin aldehyde

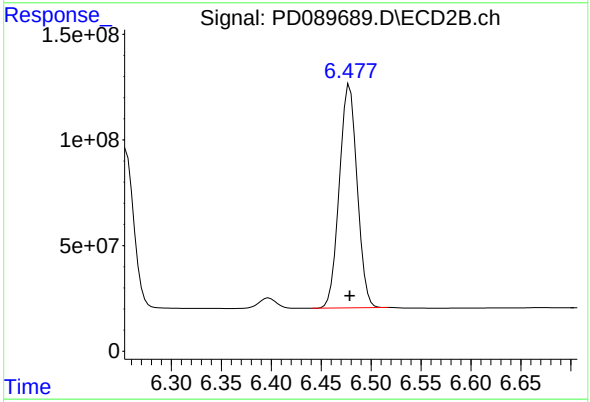
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 916827901
Conc: 72.12 ng/ml



#19 Endosulfan Sulfate

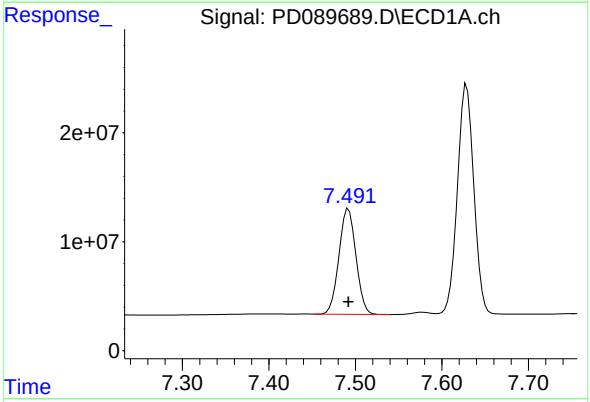
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 257022941
Conc: 74.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



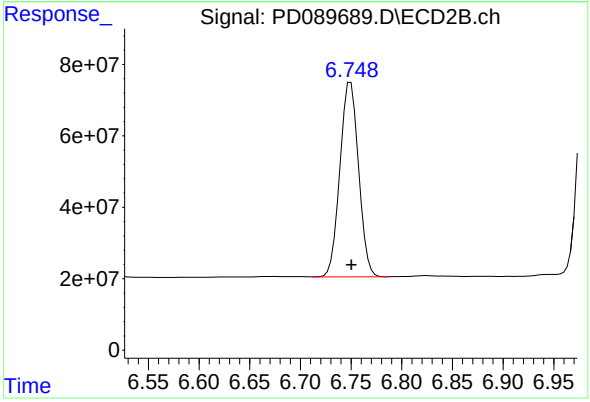
#19 Endosulfan Sulfate

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



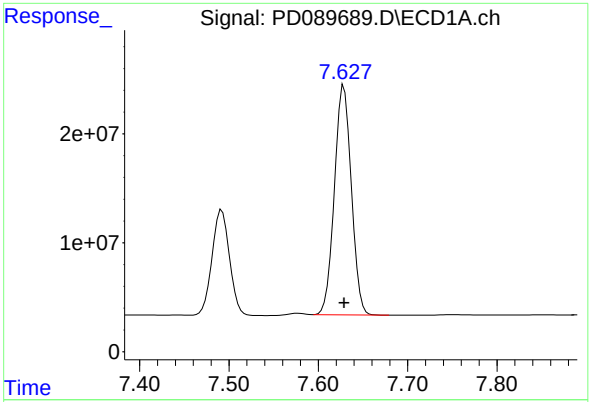
#20 Methoxychlor

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



#20 Methoxychlor

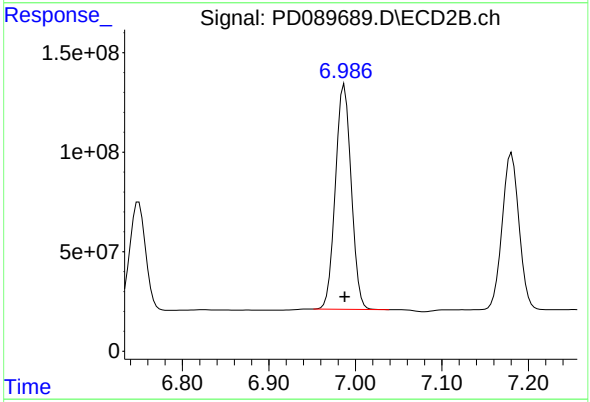
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 697255608
Conc: 71.86 ng/ml



#21 Endrin ketone

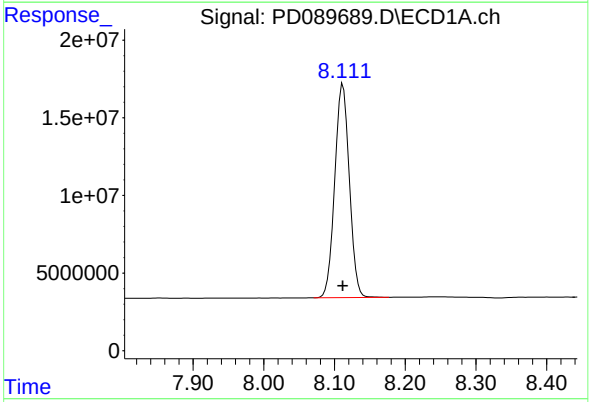
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 277474895
Conc: 74.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



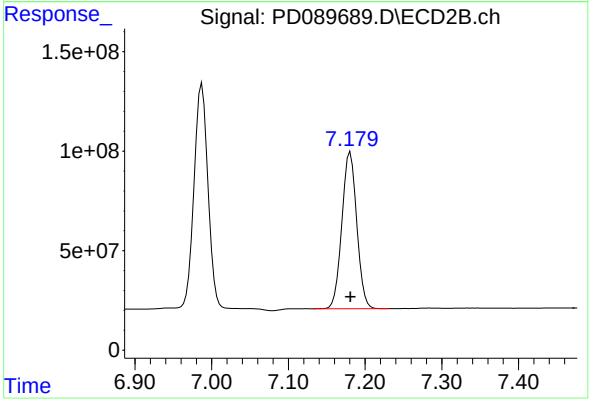
#21 Endrin ketone

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



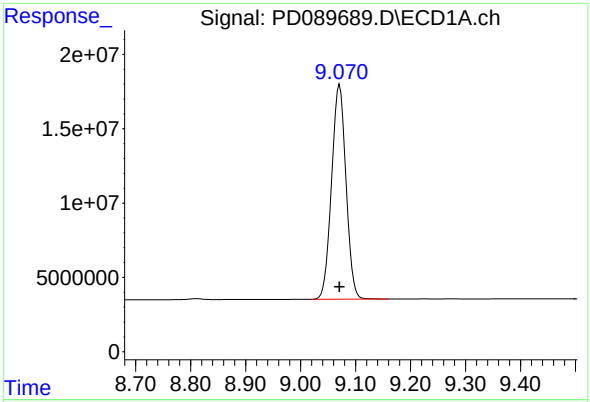
#22 Mirex

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



#22 Mirex

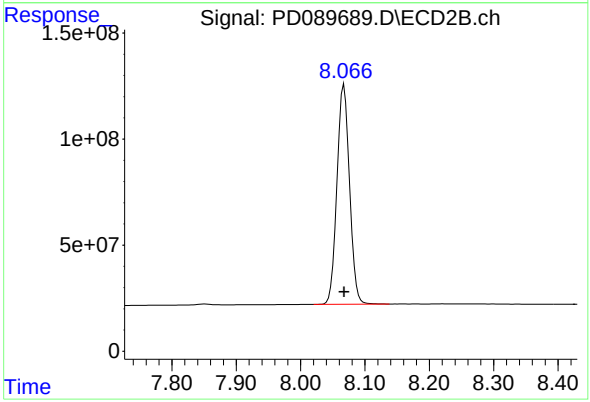
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 1065346353
Conc: 71.86 ng/ml



#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

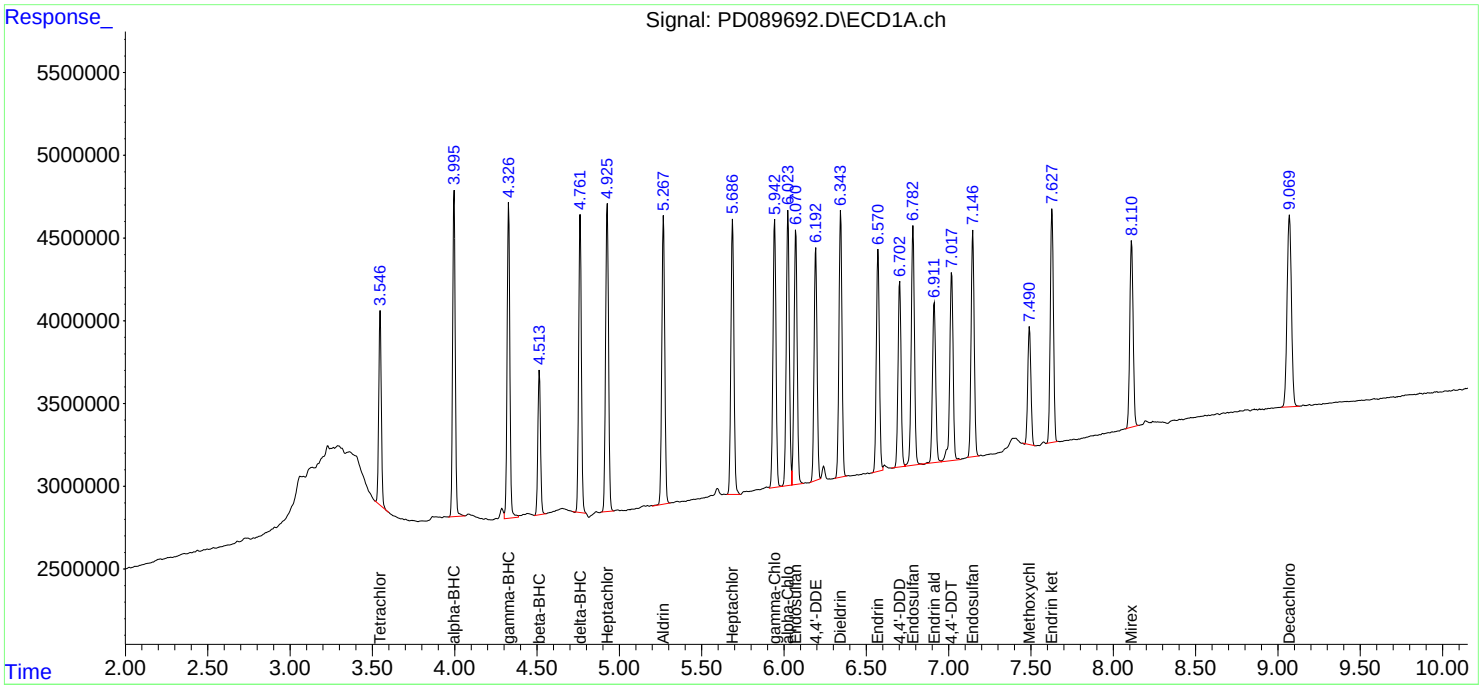
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

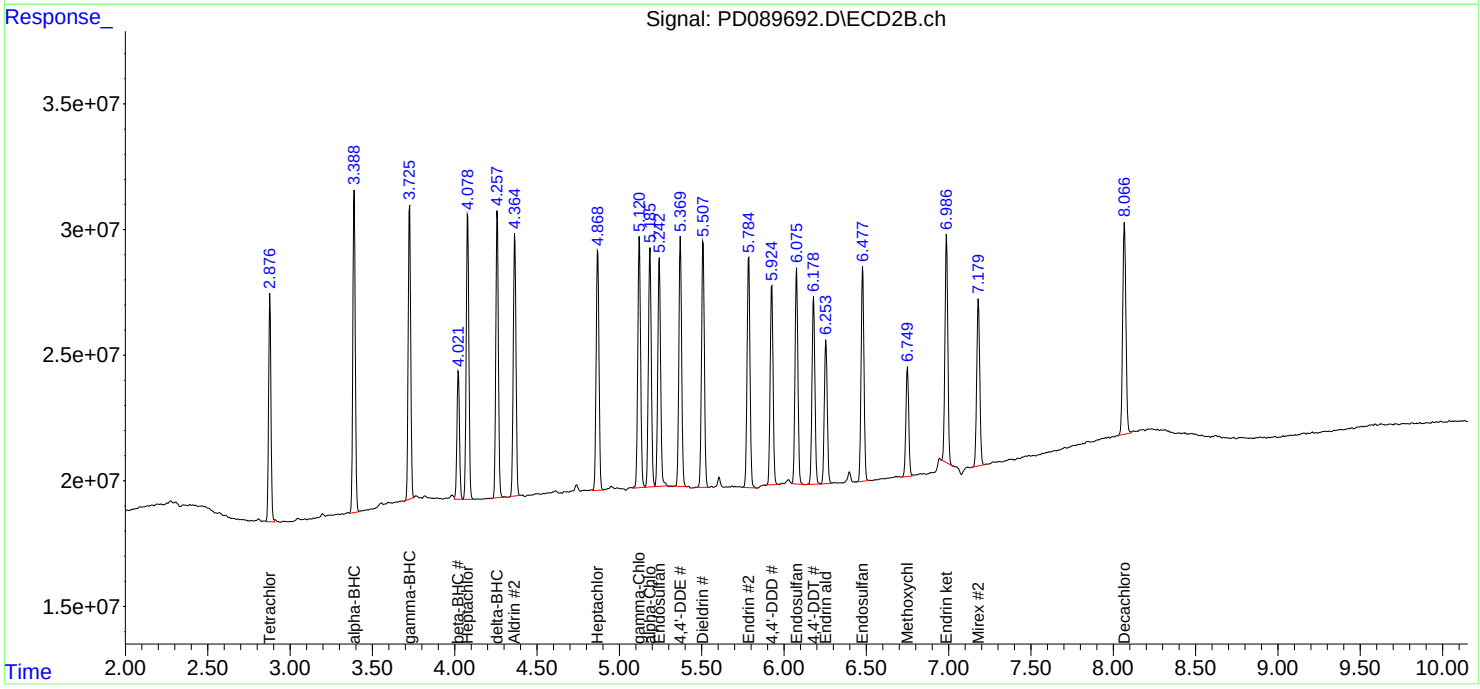
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:41
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

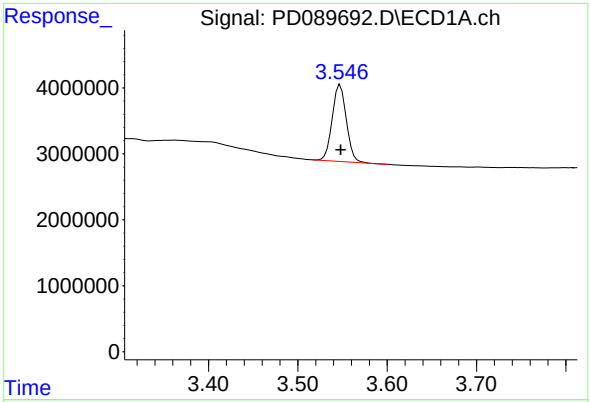
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

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



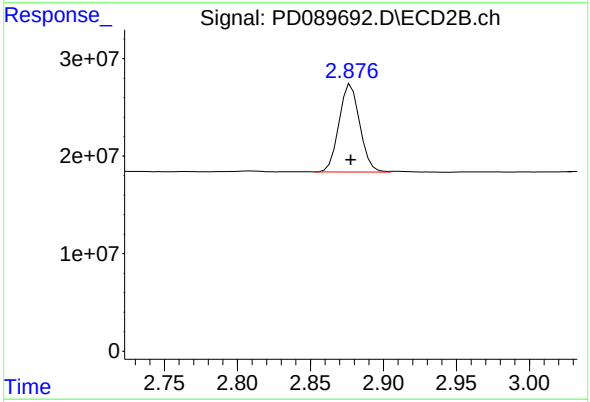




#1 Tetrachloro-m-xylene

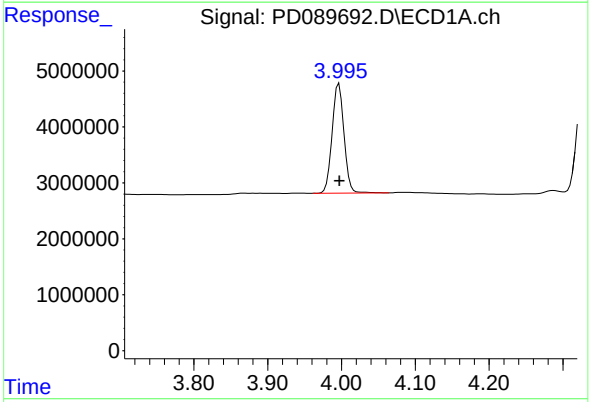
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 12728556
Conc: 5.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



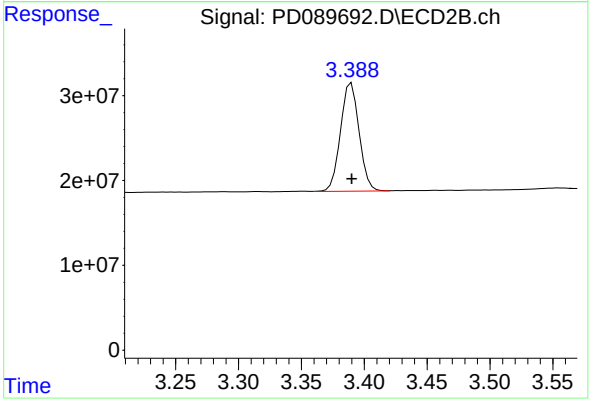
#1 Tetrachloro-m-xylene

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



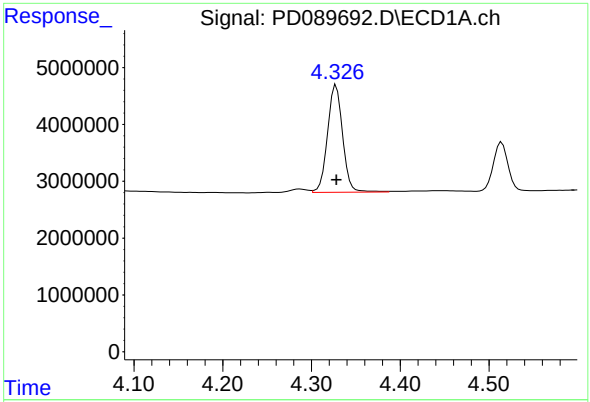
#2 alpha-BHC

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



#2 alpha-BHC

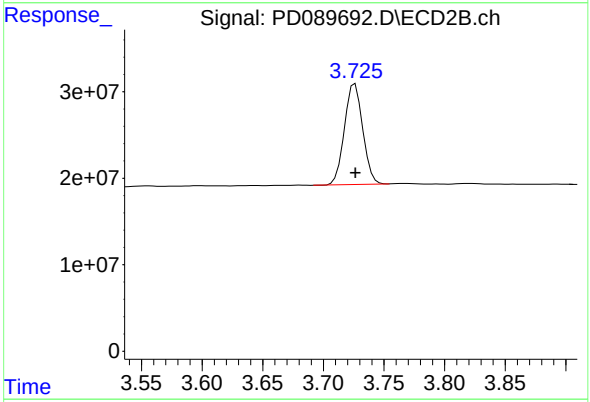
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 131148550
Conc: 5.47 ng/ml



#3 gamma-BHC (Lindane)

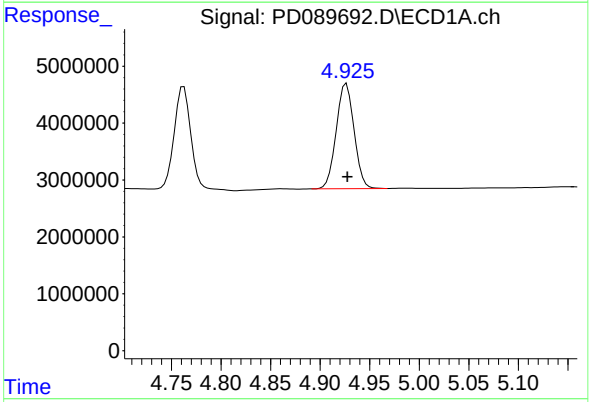
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 22352025
Conc: 4.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



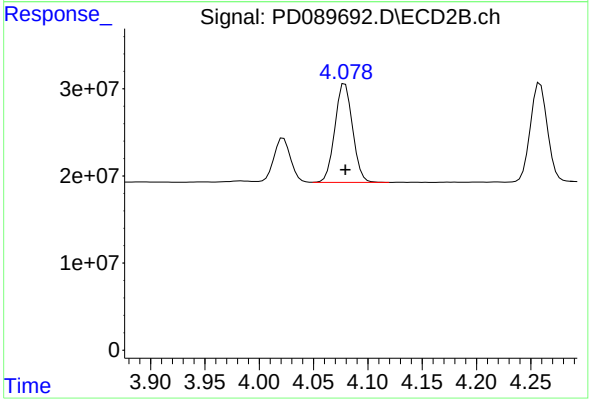
#3 gamma-BHC (Lindane)

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



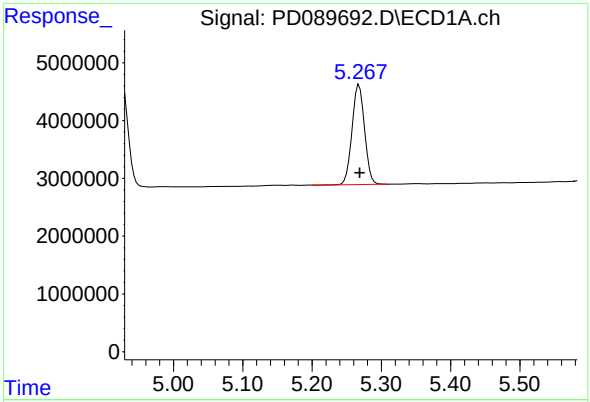
#4 Heptachlor

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



#4 Heptachlor

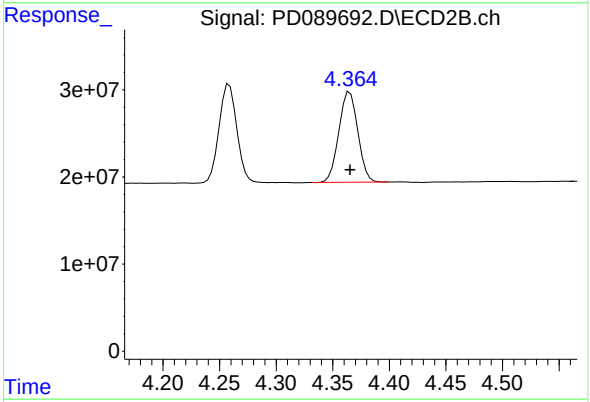
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 128504249
Conc: 5.65 ng/ml



#5 Aldrin

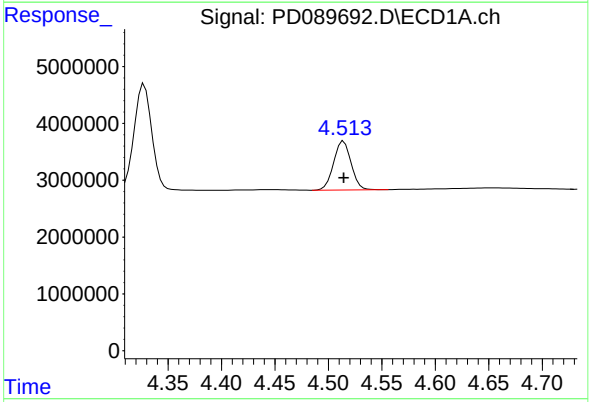
R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 21817288
Conc: 4.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



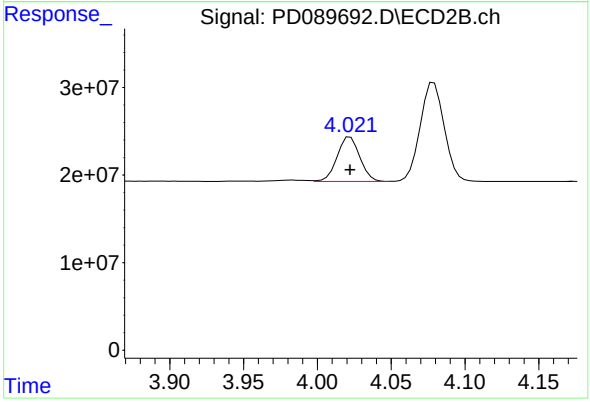
#5 Aldrin

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



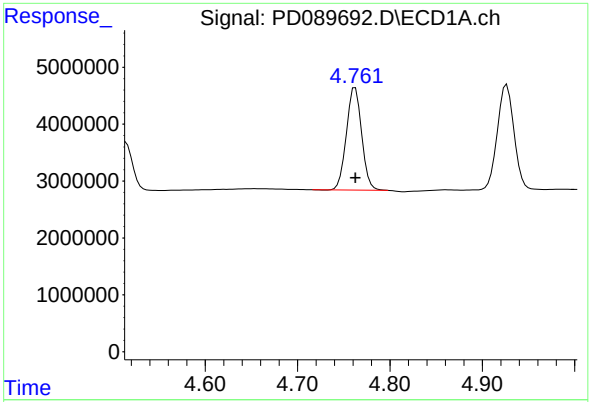
#6 beta-BHC

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



#6 beta-BHC

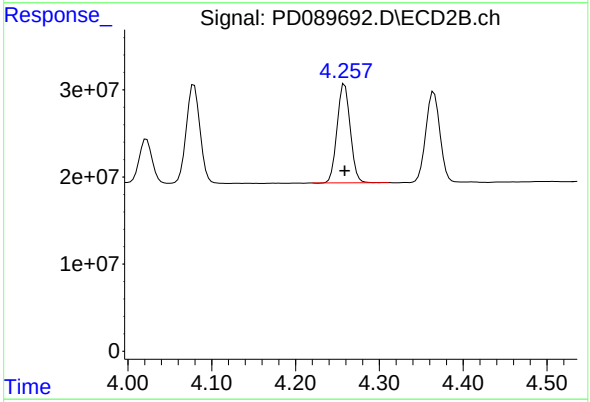
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 54697788
Conc: 5.82 ng/ml



#7 delta-BHC

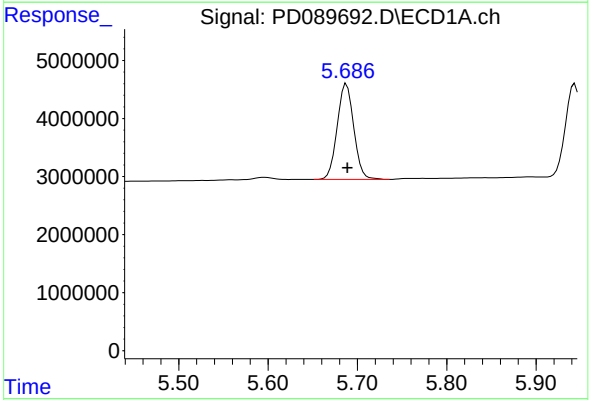
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 20752633
Conc: 4.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



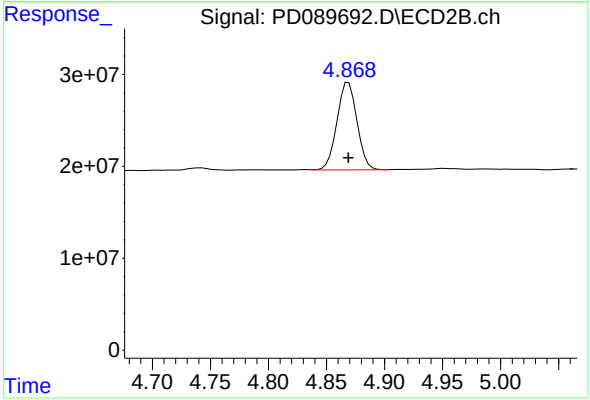
#7 delta-BHC

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



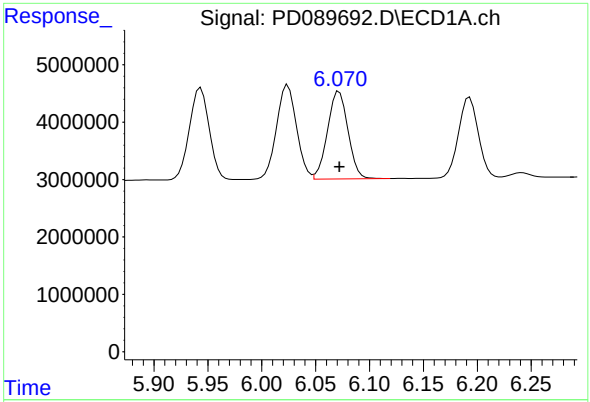
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

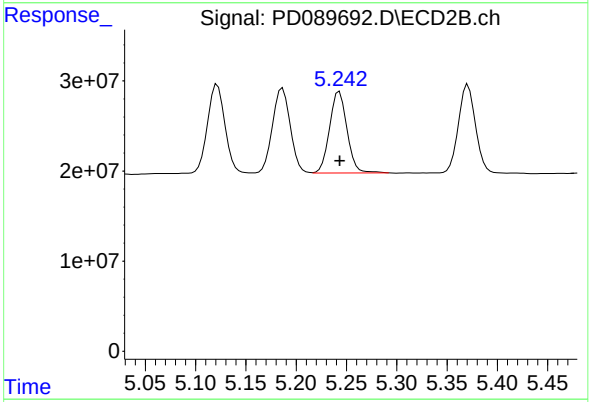
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 114241935
Conc: 5.68 ng/ml



#9 Endosulfan I

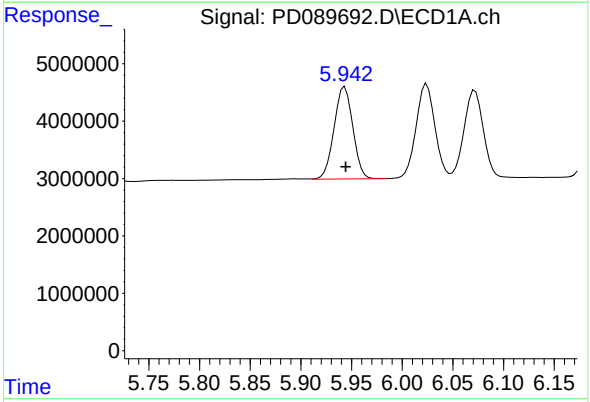
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 20149074
Conc: 5.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



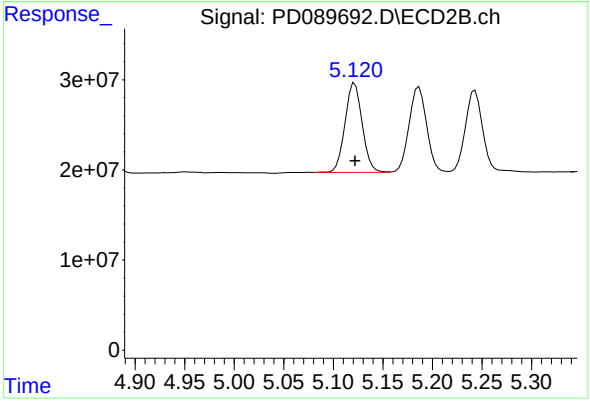
#9 Endosulfan I

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



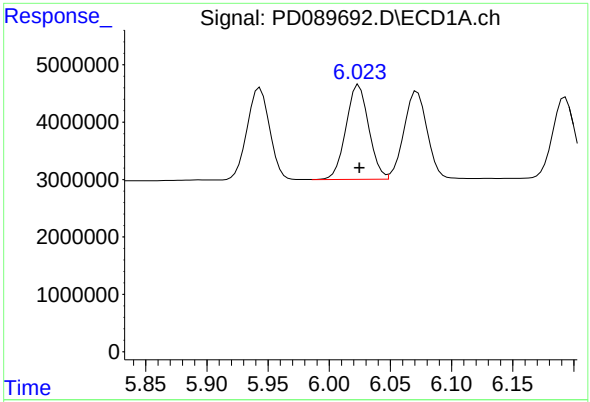
#10 gamma-Chlordane

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



#10 gamma-Chlordane

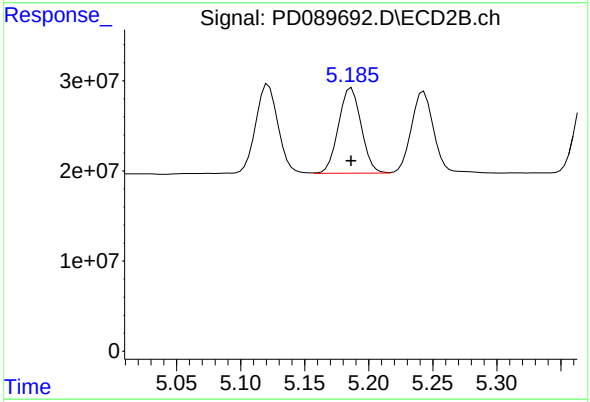
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 119998477
Conc: 5.66 ng/ml



#11 alpha-Chlordane

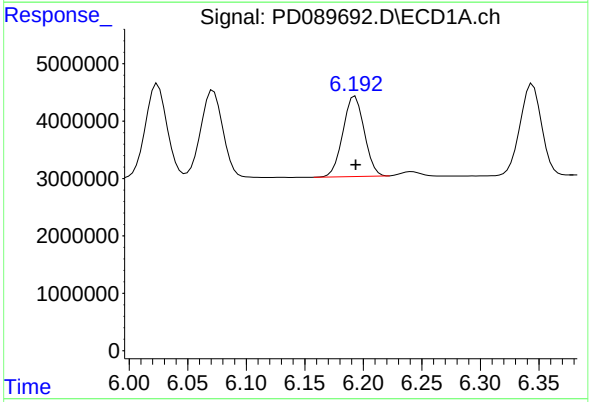
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 21350809
Conc: 5.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



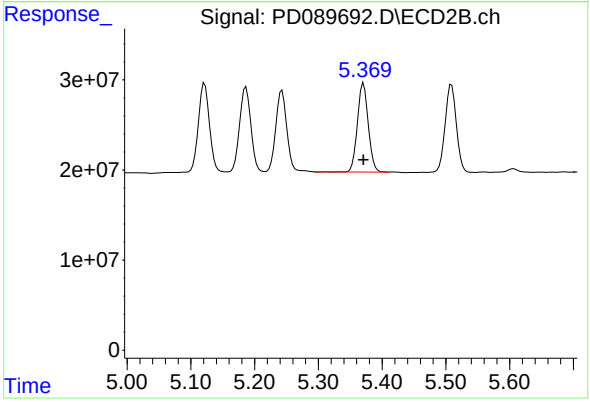
#11 alpha-Chlordane

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



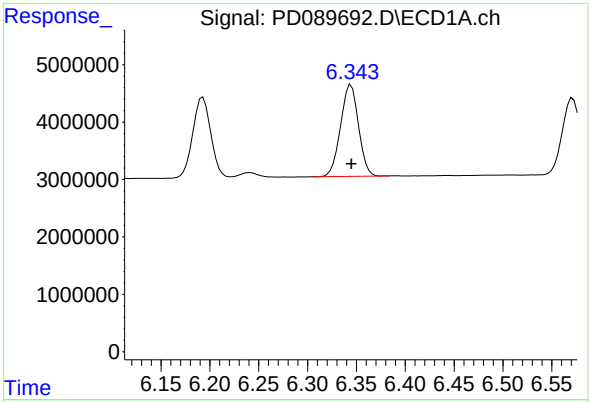
#12 4,4'-DDE

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



#12 4,4'-DDE

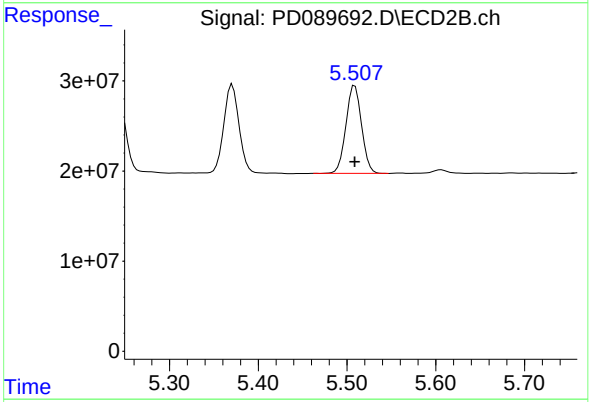
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 115956653
Conc: 5.59 ng/ml



#13 Dieldrin

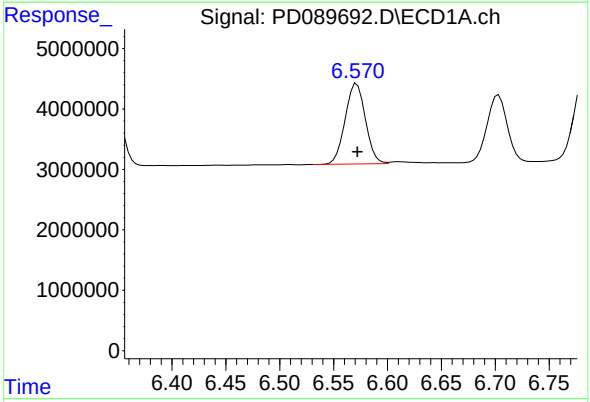
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 20395942
Conc: 4.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



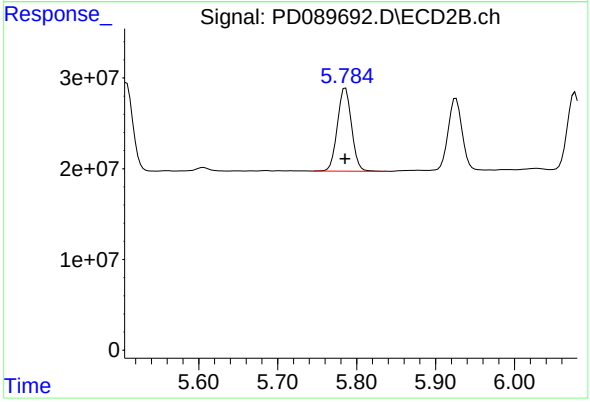
#13 Dieldrin

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



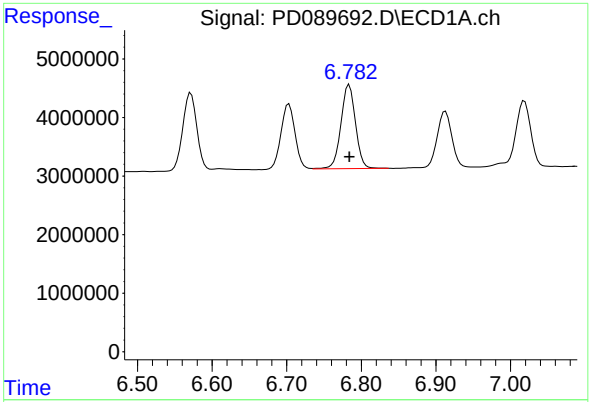
#14 Endrin

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



#14 Endrin

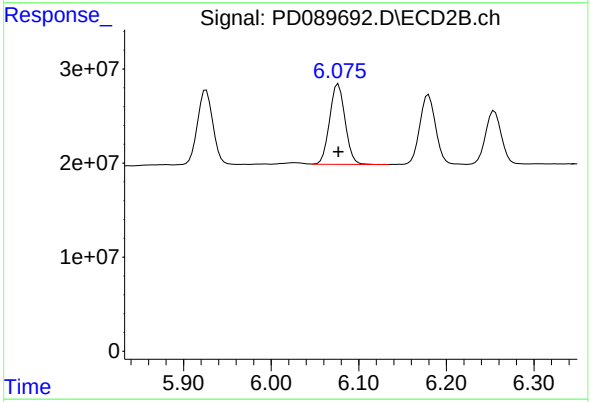
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 114167545
Conc: 5.89 ng/ml



#15 Endosulfan II

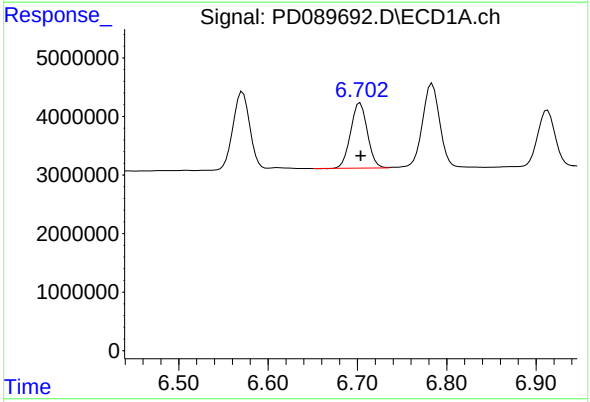
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 19400476
Conc: 5.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



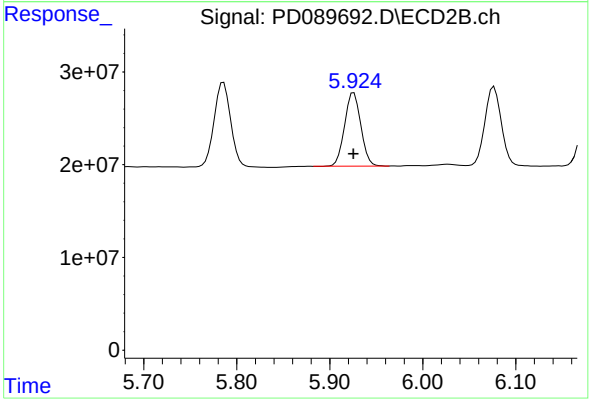
#15 Endosulfan II

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



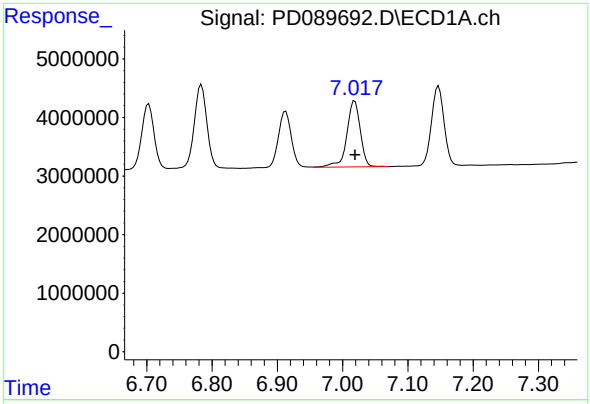
#16 4,4'-DDD

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



#16 4,4'-DDD

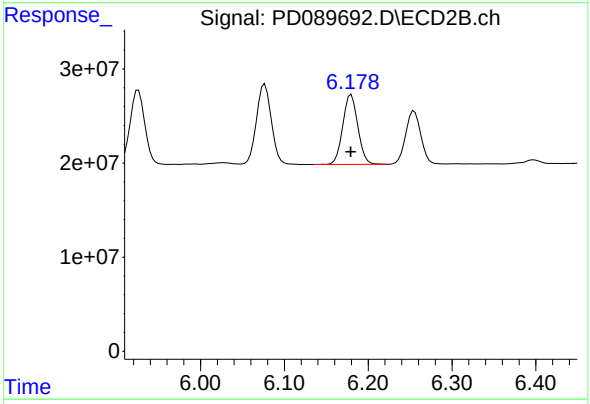
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 96121739
Conc: 5.54 ng/ml



#17 4,4'-DDT

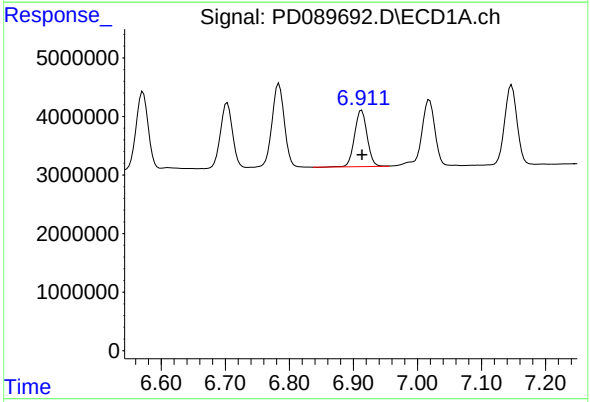
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 16301577
Conc: 4.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



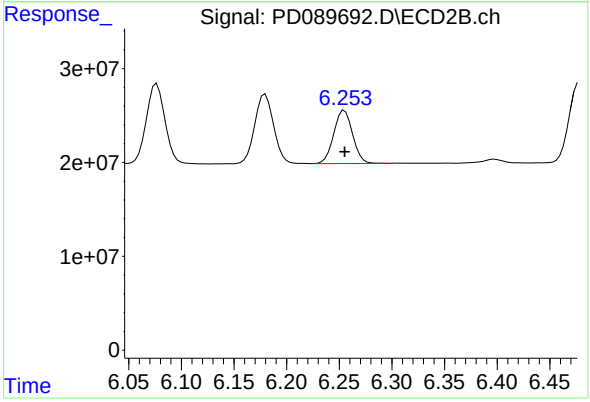
#17 4,4'-DDT

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



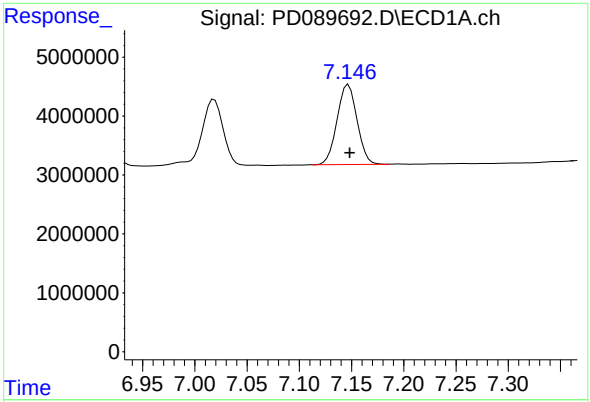
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 13178471
Conc: 5.34 ng/ml



#18 Endrin aldehyde

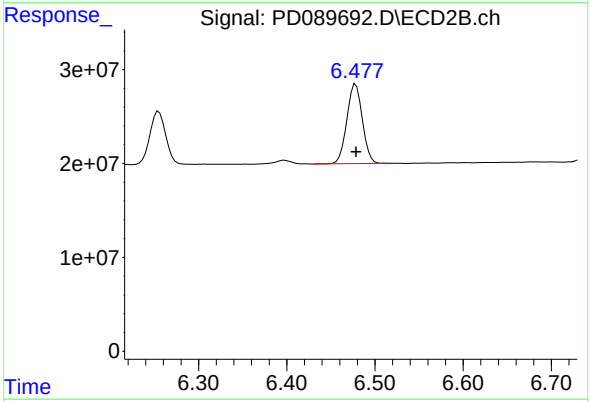
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 70660838
Conc: 5.56 ng/ml



#19 Endosulfan Sulfate

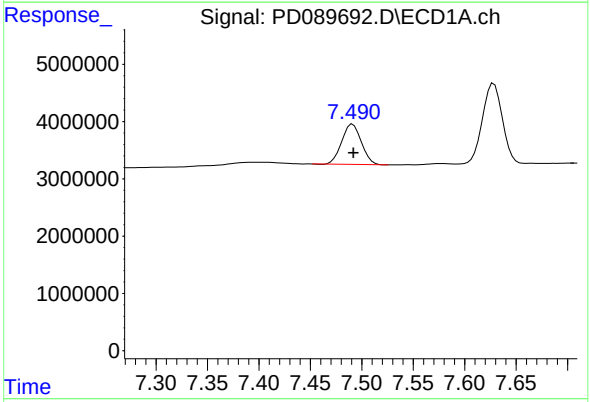
R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 18066498
Conc: 5.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



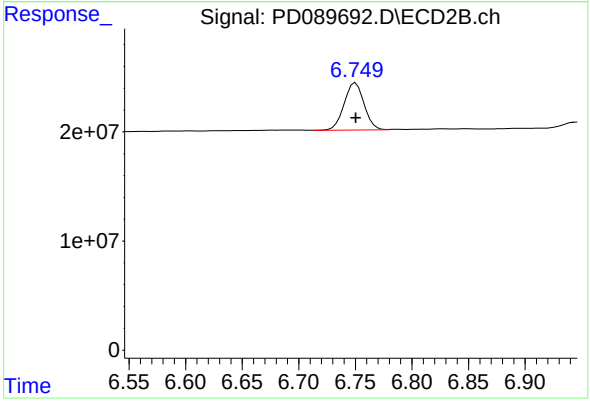
#19 Endosulfan Sulfate

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



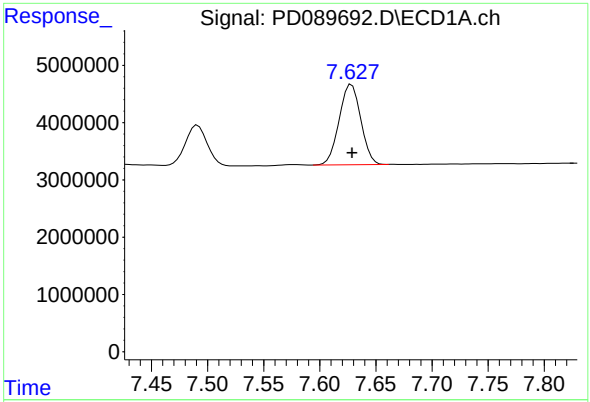
#20 Methoxychlor

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



#20 Methoxychlor

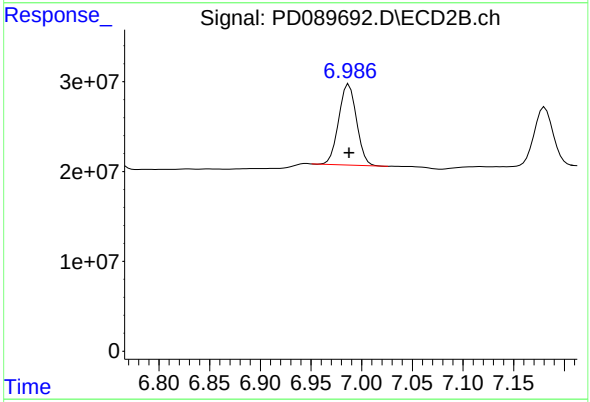
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 53085396
Conc: 5.47 ng/ml



#21 Endrin ketone

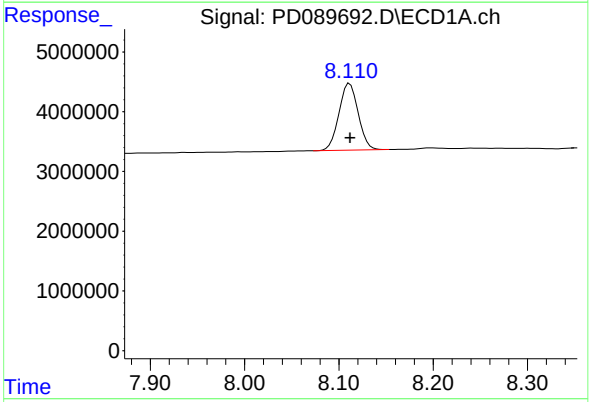
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 18813895
Conc: 5.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



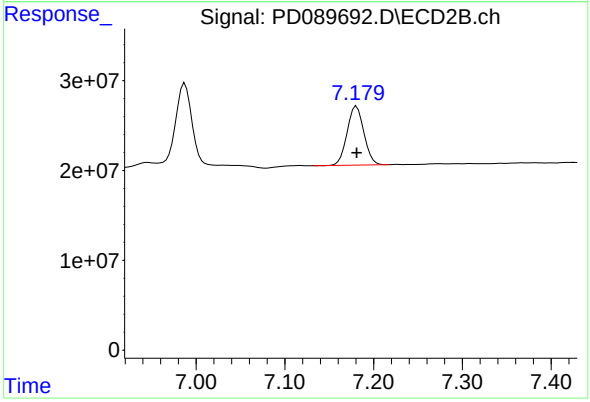
#21 Endrin ketone

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



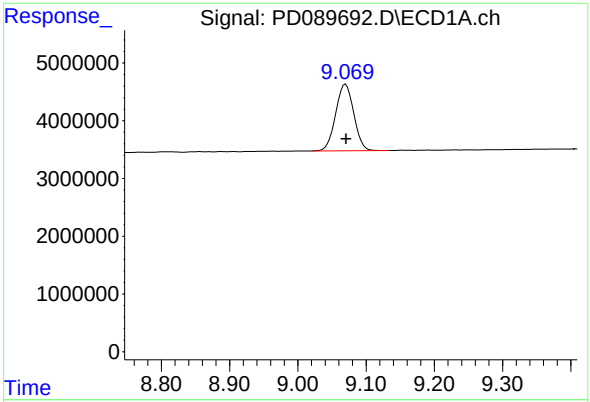
#22 Mirex

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



#22 Mirex

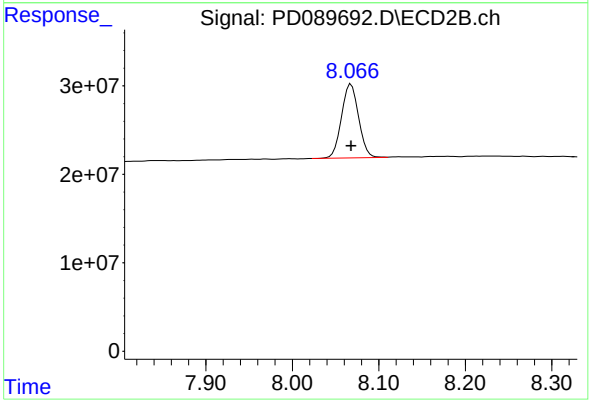
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 86238194
Conc: 5.82 ng/ml



#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\PD081325\
Data File : PD089863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 15:35
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 13 02:12:15 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	44394058	358.1E6	17.998	22.611	#
28)	SA	Decachlor...	9.068	8.066	65592115	415.5E6	17.650	20.694	
	Target Compounds								
2)	A	alpha-BHC	3.996	3.389	42420416	302.5E6	8.564	12.446	#
3)	MA	gamma-BHC...	4.327	3.726	42271672	272.2E6	8.895	12.085	#
4)	MA	Heptachlor	0.000	4.076	0	2410049	N.D.	0.104	#
5)	MB	Aldrin	0.000	4.362	0	1678223	N.D.	0.075	#
6)	B	beta-BHC	4.513	4.022	18010174	119.4E6	9.763	12.376	#
7)	B	delta-BHC	4.758	4.256	314229	863696	0.069	0.038	#
8)	B	Heptachlo...	5.680	4.872	3542200	3380590	0.847	0.165	#
10)	B	gamma-Chl...	5.941	5.121	339440	23531628	0.081	1.087	#
11)	B	alpha-Chl...	6.030	5.181	726278	17938991	0.173	0.862	#
12)	B	4,4'-DDE	6.192	5.371	533390	4674316	0.143	0.221	#
13)	MA	Dieldrin	6.364f	5.500	900854	2229962	0.213	0.103	#
14)	MA	Endrin	6.571	5.785	143.5E6	1025.1E6	40.110	51.447	#
15)	B	Endosulfa...	6.769	6.082	1755634	8246718	0.478	0.439	
16)	A	4,4'-DDD	6.702	5.925	20518744	137.1E6	6.851	7.776	
17)	MA	4,4'-DDT	7.018	6.178	245.9E6	1766.6E6	73.169	96.154	#
18)	B	Endrin al...	6.912	6.254	2969066	25352425	1.190	1.962	#
19)	B	Endosulfa...	0.000	6.455f	0	1647311	N.D.	0.089	#
20)	A	Methoxychlor	7.490	6.748	303.6E6	1939.6E6	169.821	198.008	
21)	B	Endrin ke...	7.627	6.986	9398204	88605849	2.530	4.415	#
22)		Mirex	8.111	7.171	24444	3667356	0.009	0.241	#
23)		Chlordane-1	0.000	3.899	0	1454261	N.D.	1.988	#
24)		Chlordane-2	0.000	4.480	0	24499933	N.D.	32.053	#
25)		Chlordane-3	5.941	5.121	339440	23531628	0.495	10.168	#
26)		Chlordane-4	6.030	5.181	726278	17938991	0.868	9.017	#
27)		Chlordane-5	0.000	6.082	0	8246718	N.D.	9.115	#

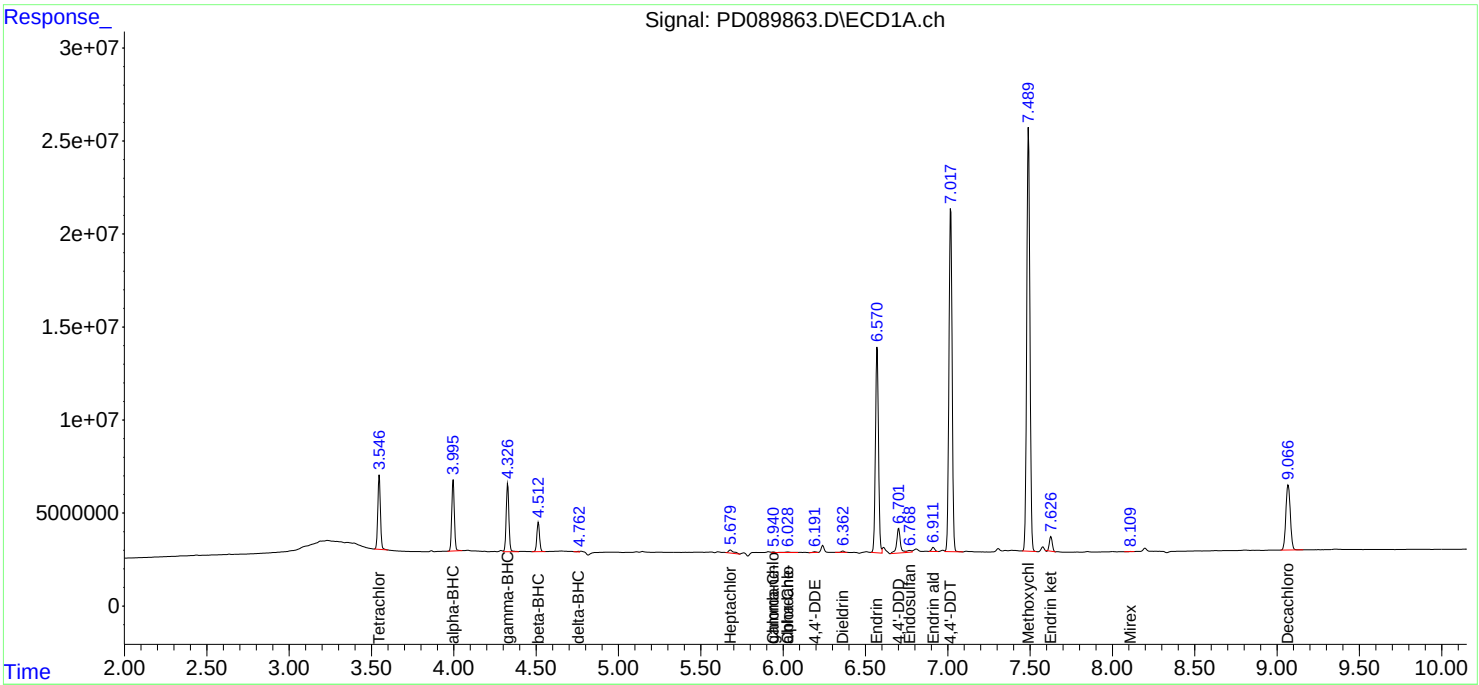
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

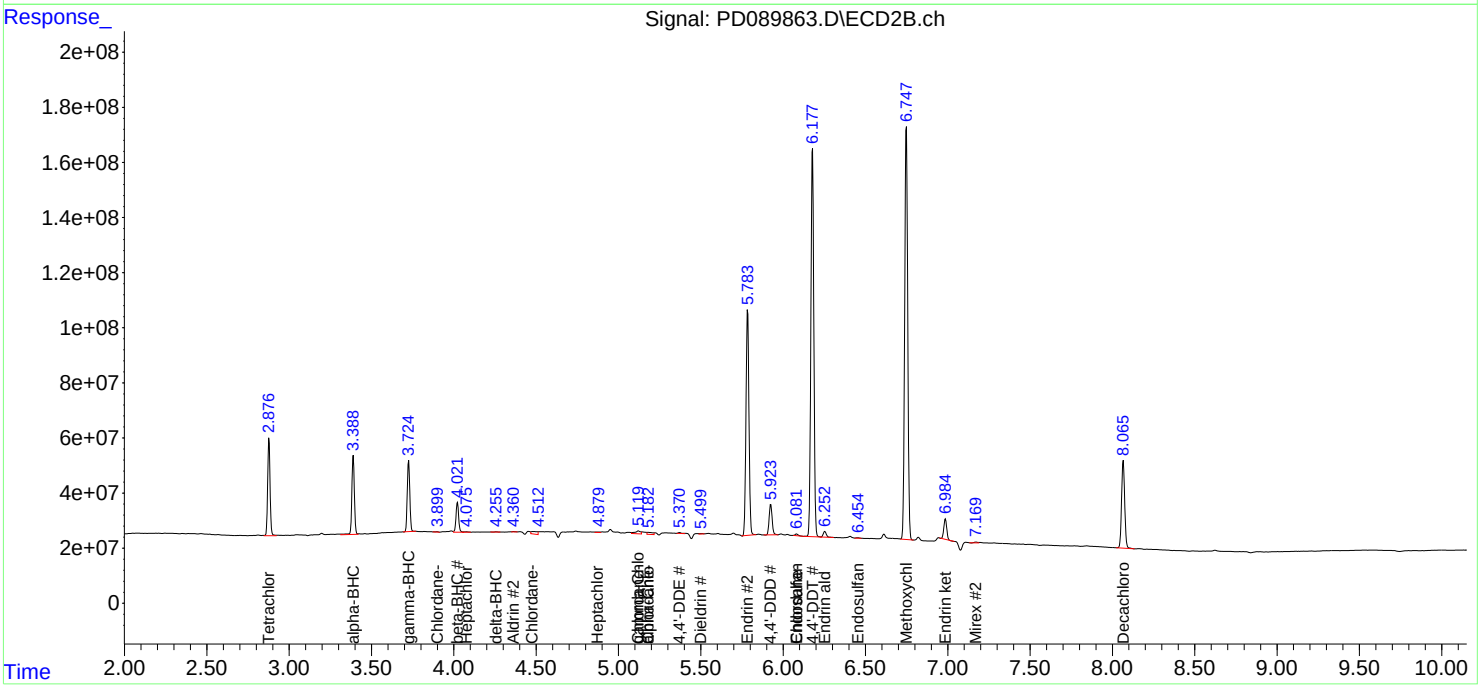
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 15:35
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

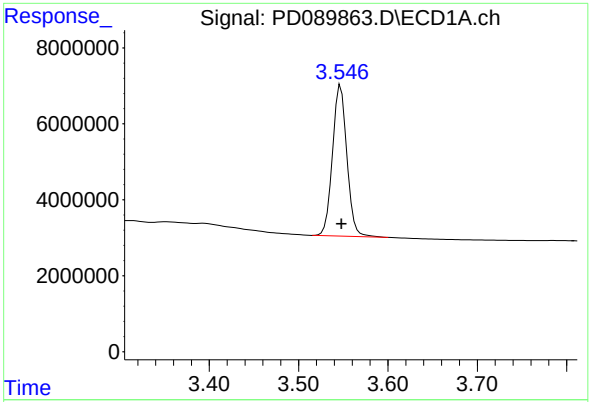
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:15 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



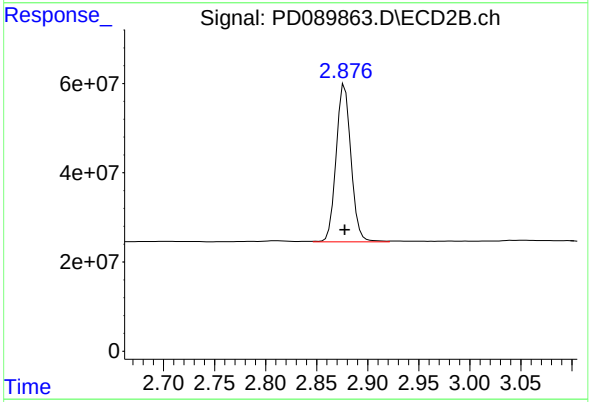




#1 Tetrachloro-m-xylene

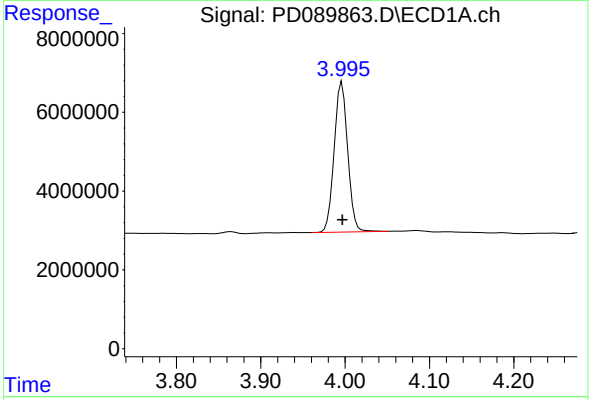
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 44394058
Conc: 18.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



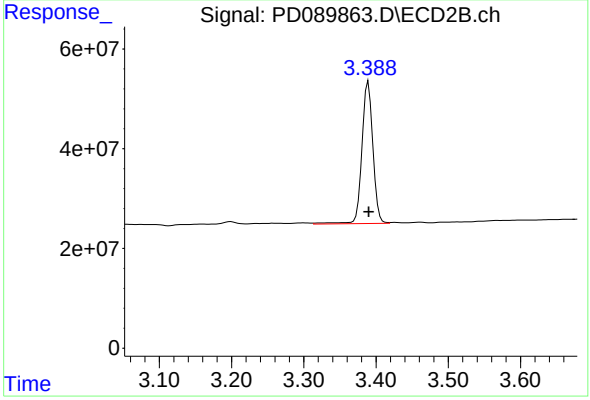
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 358116750
Conc: 22.61 ng/ml



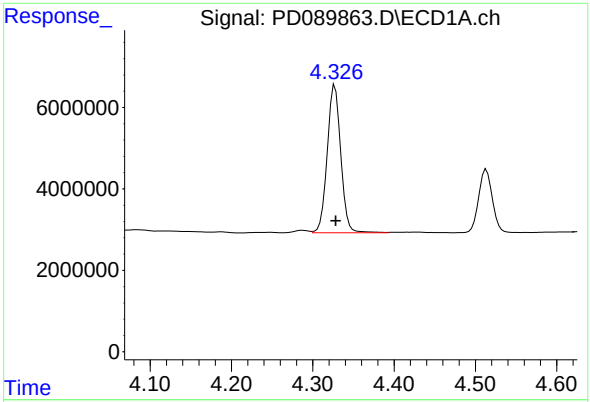
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 42420416
Conc: 8.56 ng/ml



#2 alpha-BHC

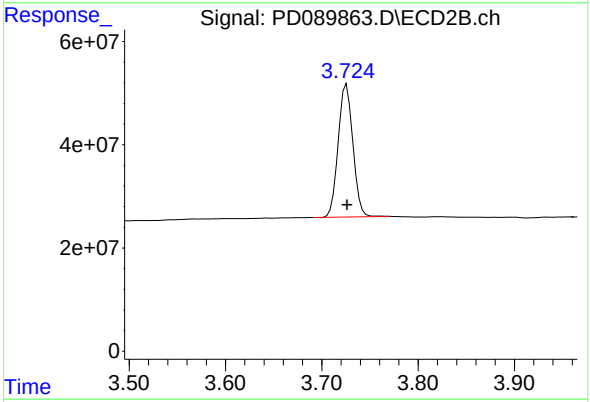
R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 302489787
Conc: 12.45 ng/ml



#3 gamma-BHC (Lindane)

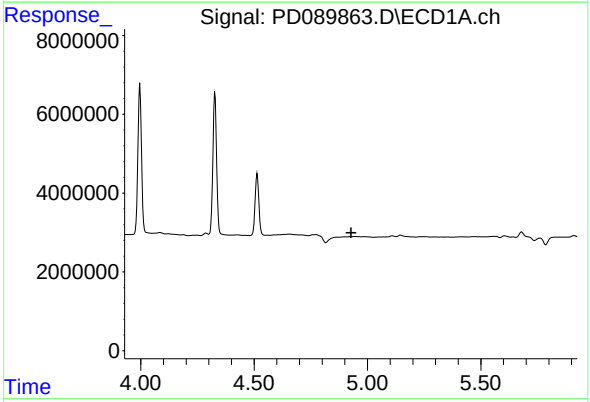
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 42271672
Conc: 8.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



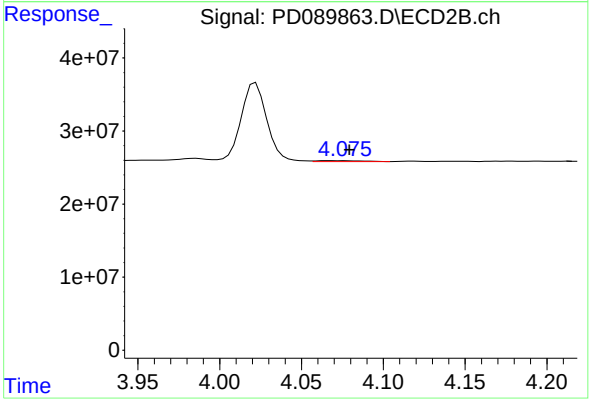
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 272197166
Conc: 12.08 ng/ml



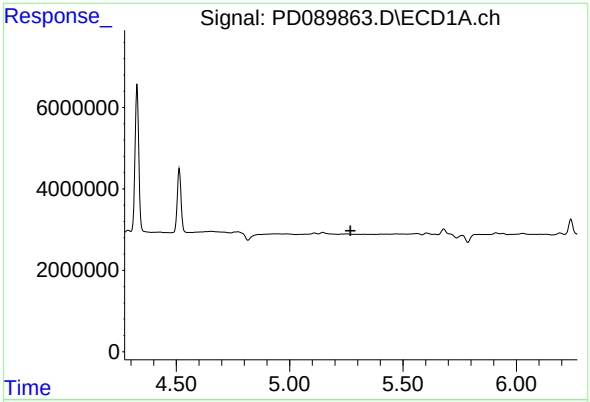
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.927 min
Response: 0
Conc: N.D.



#4 Heptachlor

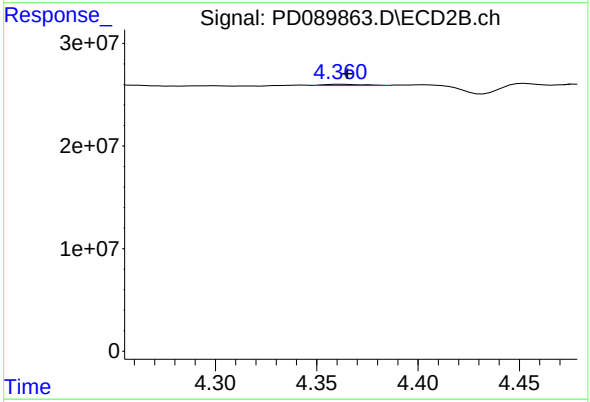
R.T.: 4.076 min
Delta R.T.: -0.003 min
Response: 2410049
Conc: 0.10 ng/ml



#5 Aldrin

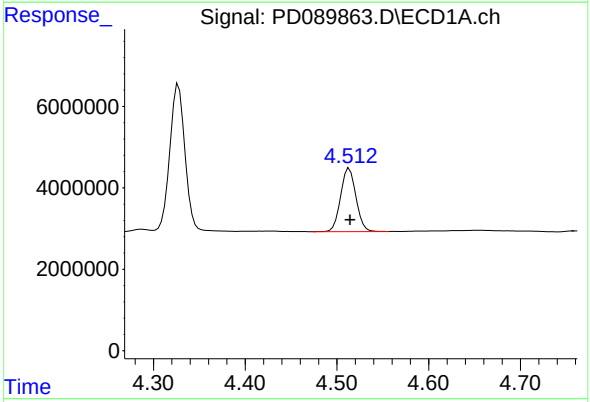
R.T.: 0.000 min
Exp R.T. : 5.269 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



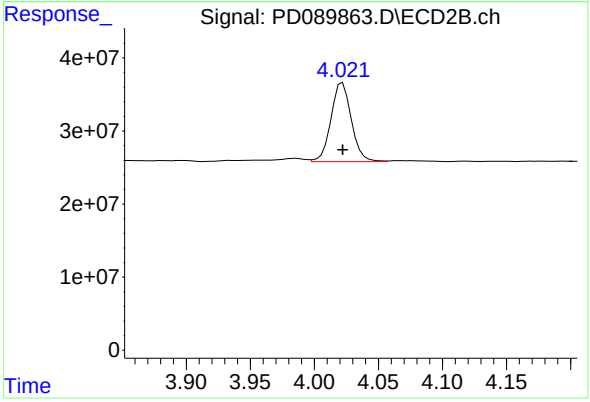
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: -0.003 min
Response: 1678223
Conc: 0.08 ng/ml



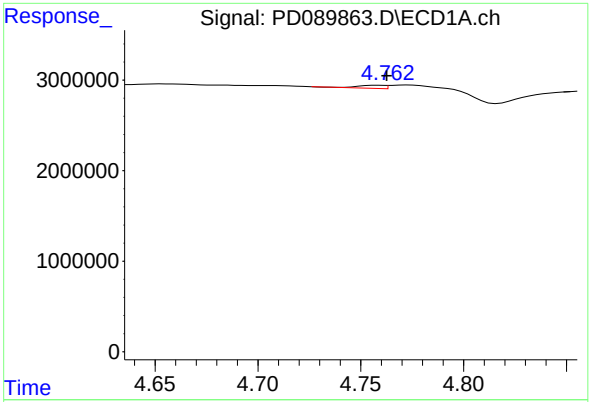
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 18010174
Conc: 9.76 ng/ml



#6 beta-BHC

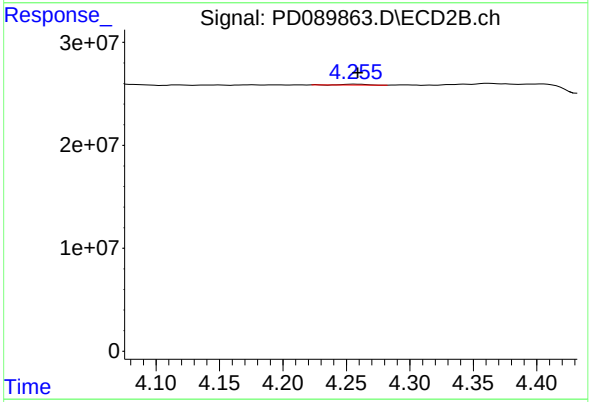
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 119418036
Conc: 12.38 ng/ml



#7 delta-BHC

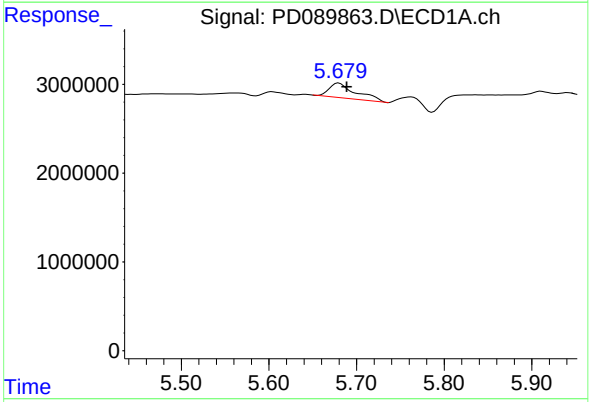
R.T.: 4.758 min
Delta R.T.: -0.005 min
Response: 314229
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



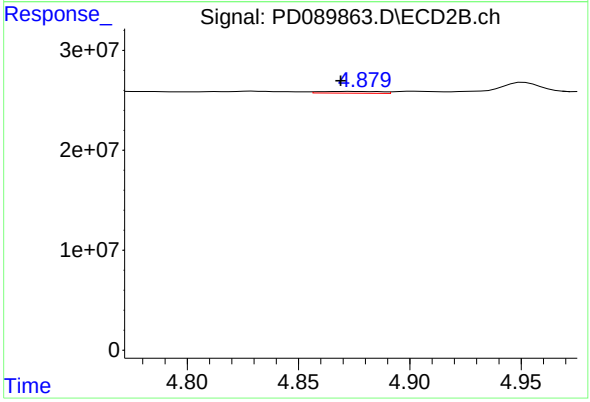
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: -0.003 min
Response: 863696
Conc: 0.04 ng/ml



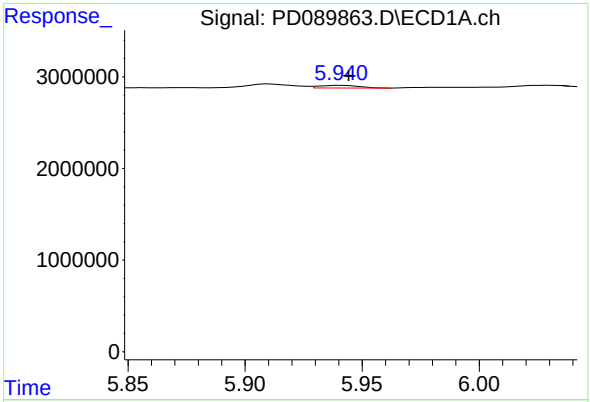
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.009 min
Response: 3542200
Conc: 0.85 ng/ml



#8 Heptachlor epoxide

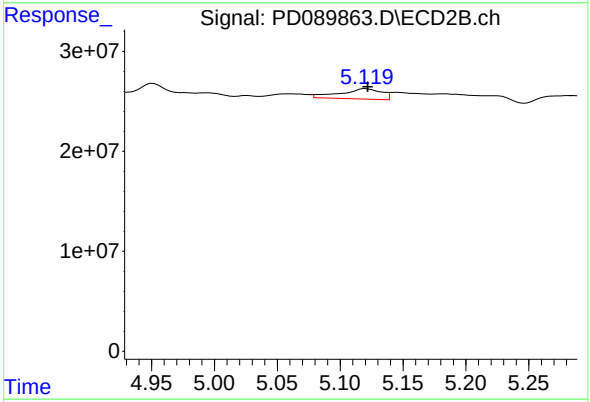
R.T.: 4.872 min
Delta R.T.: 0.004 min
Response: 3380590
Conc: 0.16 ng/ml



#10 gamma-Chlordane

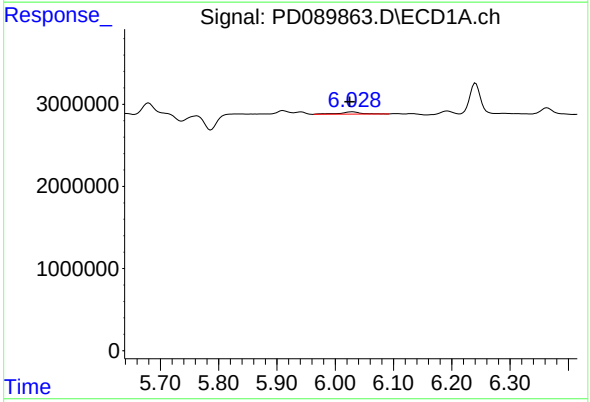
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 339440
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



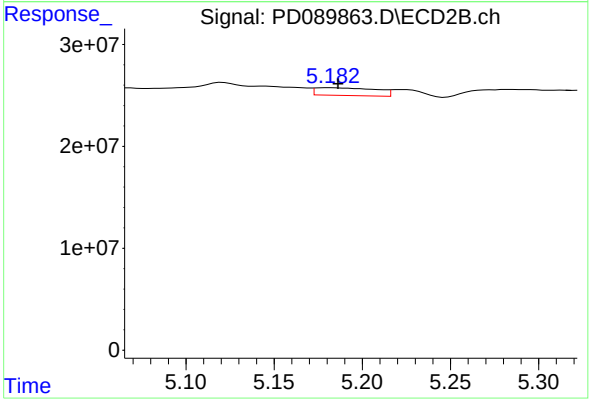
#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 23531628
Conc: 1.09 ng/ml



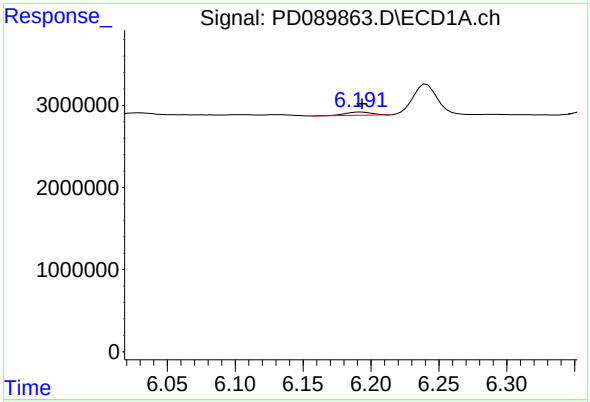
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.005 min
Response: 726278
Conc: 0.17 ng/ml



#11 alpha-Chlordane

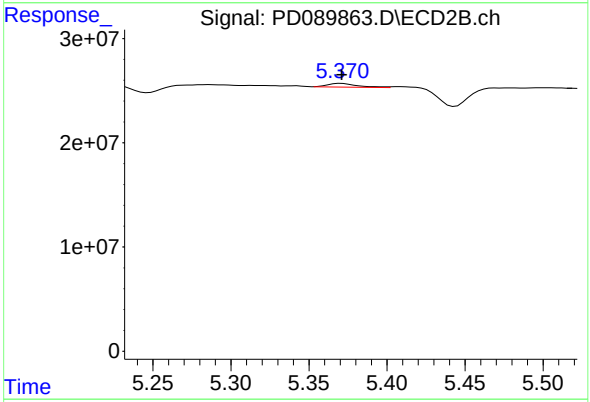
R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 17938991
Conc: 0.86 ng/ml



#12 4,4'-DDE

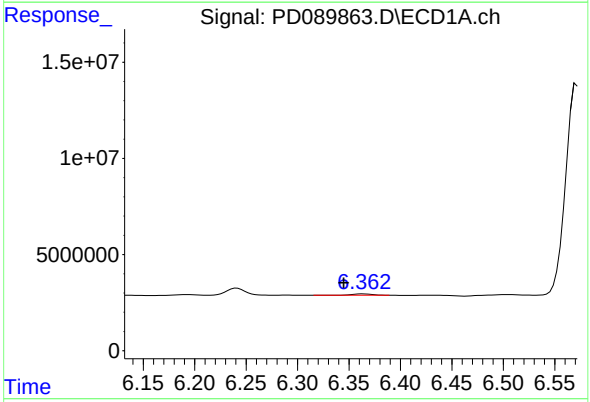
R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 533390
Conc: 0.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



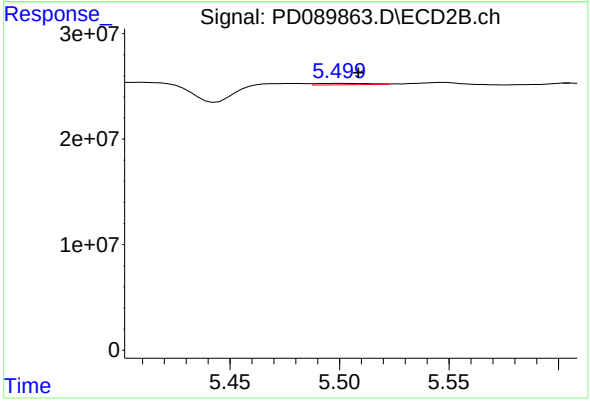
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 4674316
Conc: 0.22 ng/ml



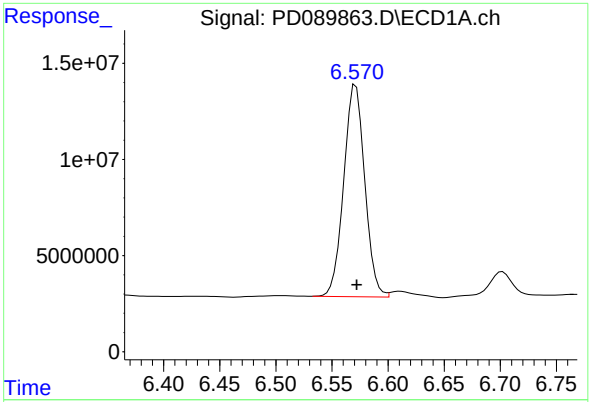
#13 Dieldrin

R.T.: 6.364 min
Delta R.T.: 0.019 min
Response: 900854
Conc: 0.21 ng/ml



#13 Dieldrin

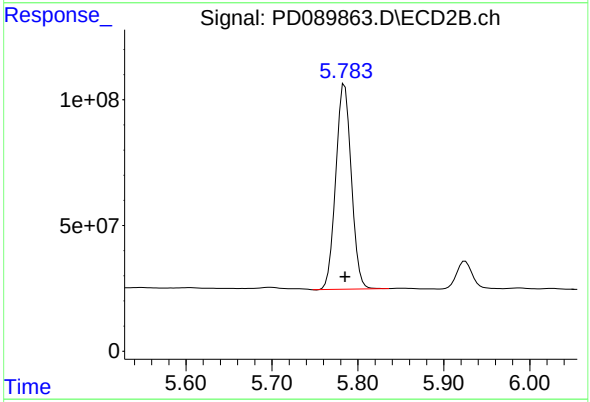
R.T.: 5.500 min
Delta R.T.: -0.008 min
Response: 2229962
Conc: 0.10 ng/ml



#14 Endrin

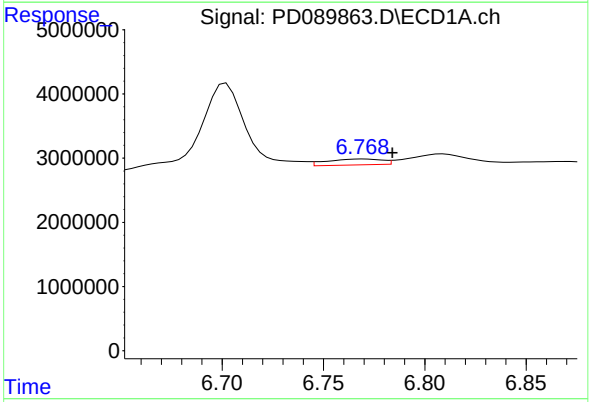
R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 143502037
Conc: 40.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



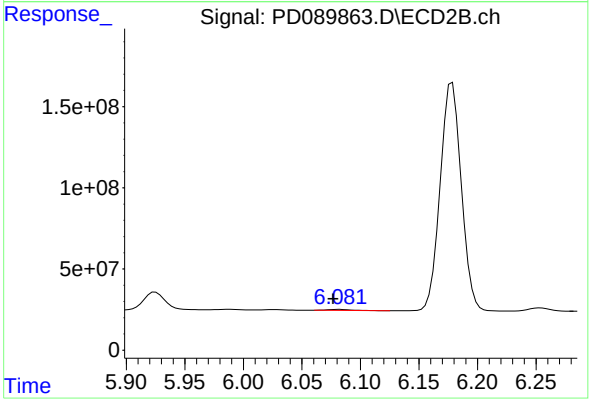
#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1025090577
Conc: 51.45 ng/ml



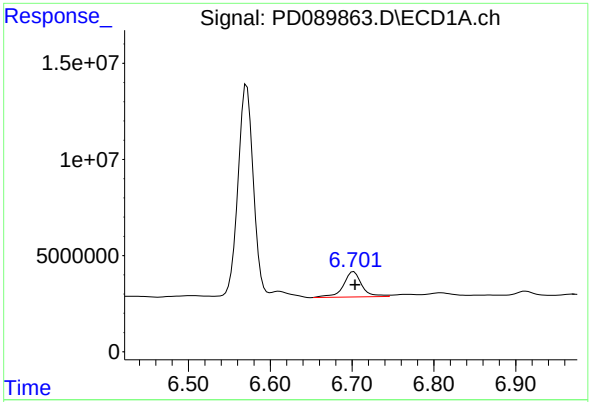
#15 Endosulfan II

R.T.: 6.769 min
Delta R.T.: -0.015 min
Response: 1755634
Conc: 0.48 ng/ml



#15 Endosulfan II

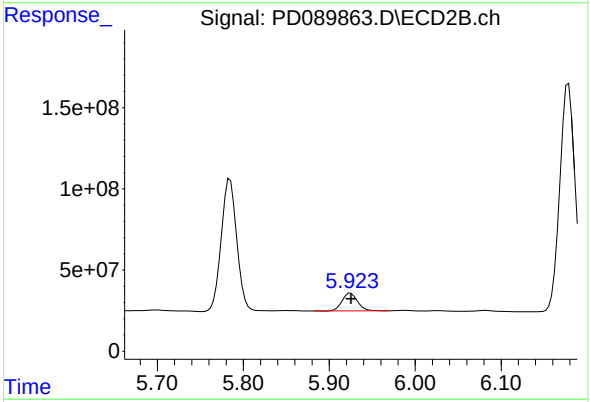
R.T.: 6.082 min
Delta R.T.: 0.005 min
Response: 8246718
Conc: 0.44 ng/ml



#16 4,4'-DDD

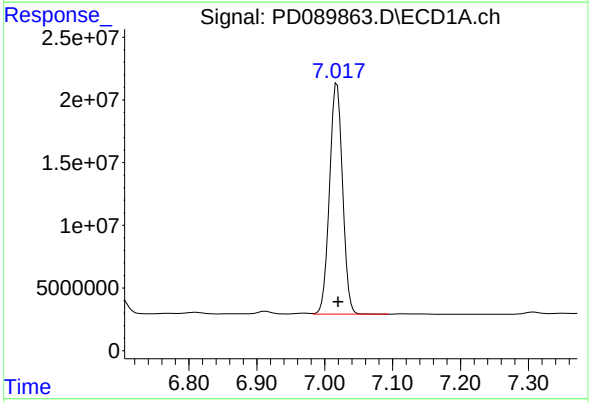
R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 20518744
Conc: 6.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



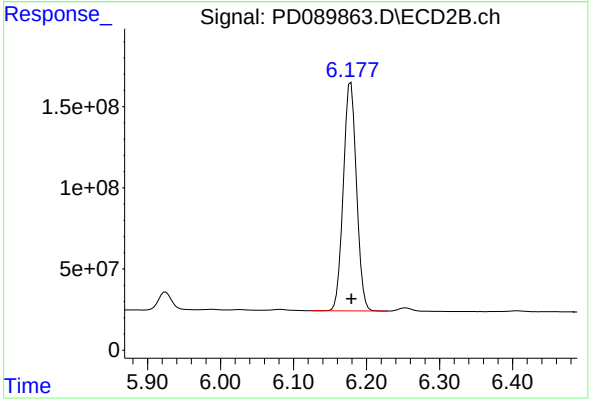
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 137111487
Conc: 7.78 ng/ml



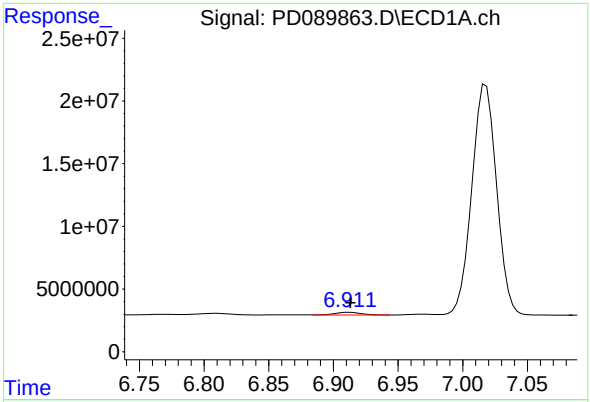
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 245866075
Conc: 73.17 ng/ml



#17 4,4'-DDT

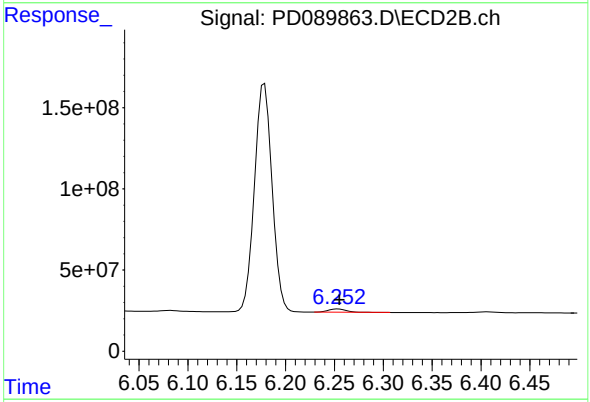
R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1766614061
Conc: 96.15 ng/ml



#18 Endrin aldehyde

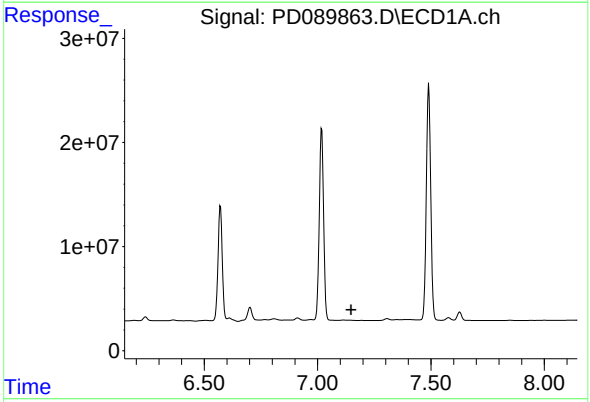
R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 2969066
Conc: 1.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



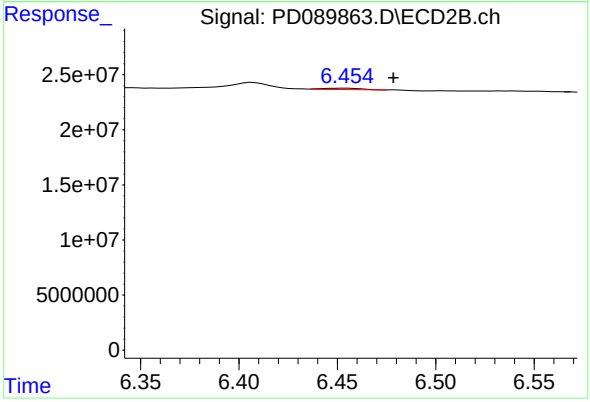
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.002 min
Response: 25352425
Conc: 1.96 ng/ml



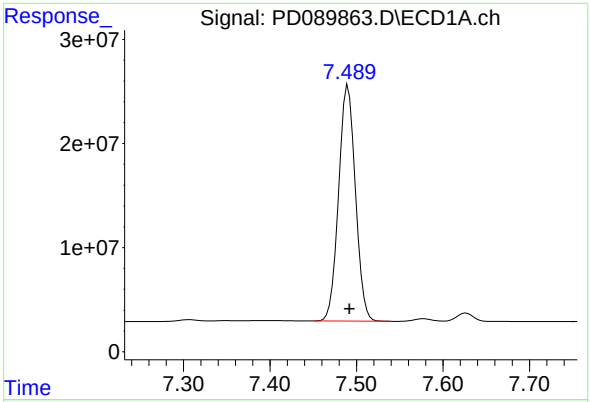
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

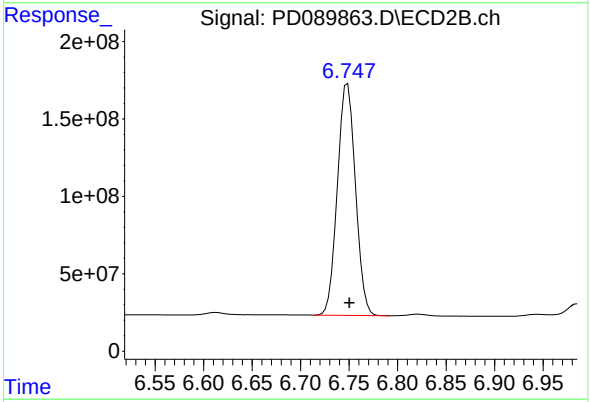
R.T.: 6.455 min
Delta R.T.: -0.024 min
Response: 1647311
Conc: 0.09 ng/ml



#20 Methoxychlor

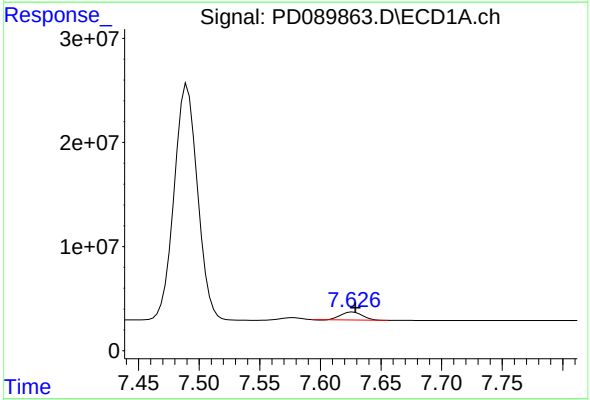
R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 303636496
Conc: 169.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



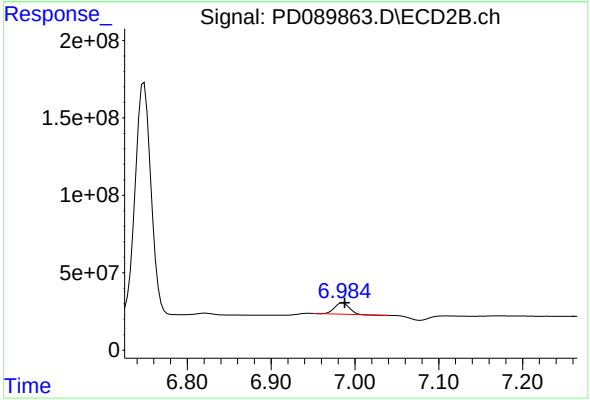
#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 1939590057
Conc: 198.01 ng/ml



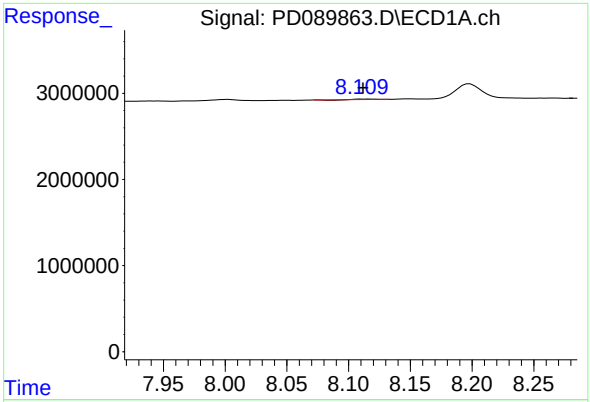
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 9398204
Conc: 2.53 ng/ml



#21 Endrin ketone

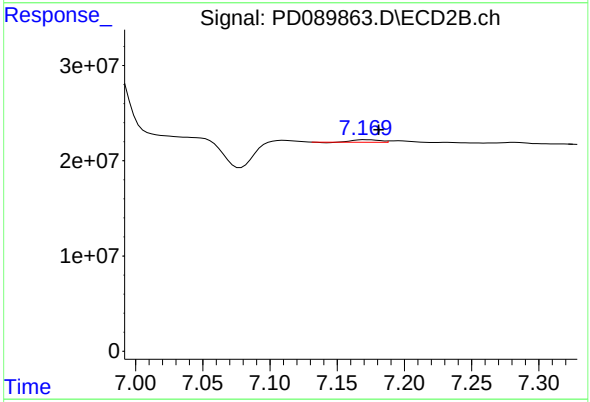
R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 88605849
Conc: 4.42 ng/ml



#22 Mirex

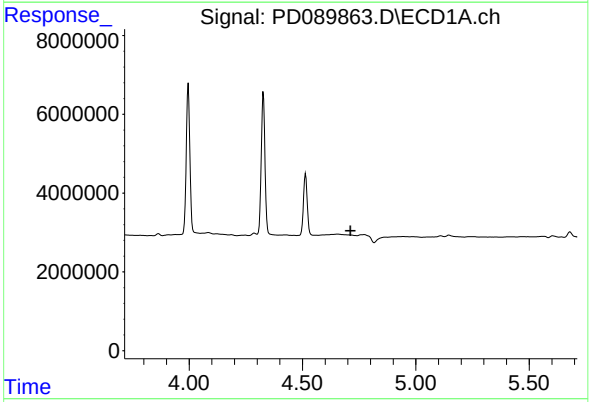
R.T.: 8.111 min
Delta R.T.: -0.001 min
Response: 24444
Conc: 0.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



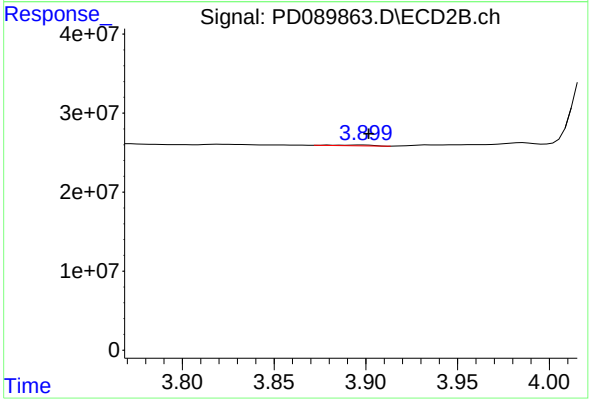
#22 Mirex

R.T.: 7.171 min
Delta R.T.: -0.010 min
Response: 3667356
Conc: 0.24 ng/ml



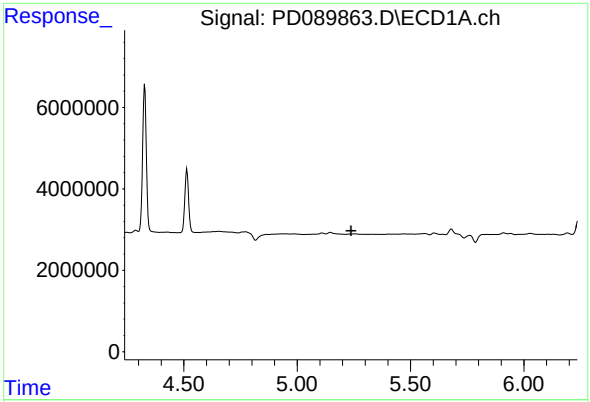
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.



#23 Chlordane-1

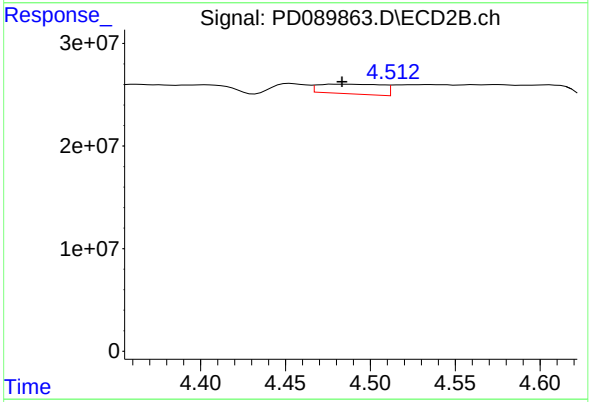
R.T.: 3.899 min
Delta R.T.: -0.003 min
Response: 1454261
Conc: 1.99 ng/ml



#24 Chlordane-2

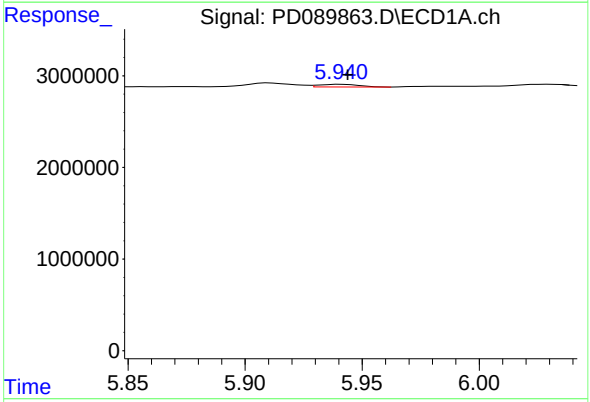
R.T.: 0.000 min
Exp R.T. : 5.238 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



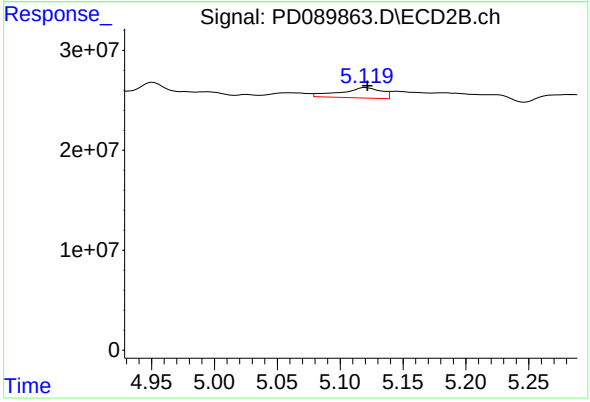
#24 Chlordane-2

R.T.: 4.480 min
Delta R.T.: -0.004 min
Response: 24499933
Conc: 32.05 ng/ml



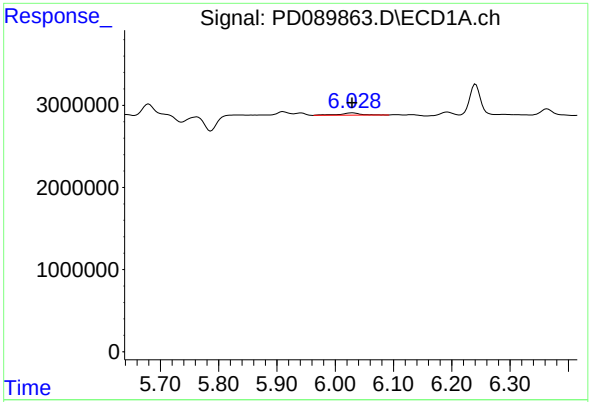
#25 Chlordane-3

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 339440
Conc: 0.49 ng/ml



#25 Chlordane-3

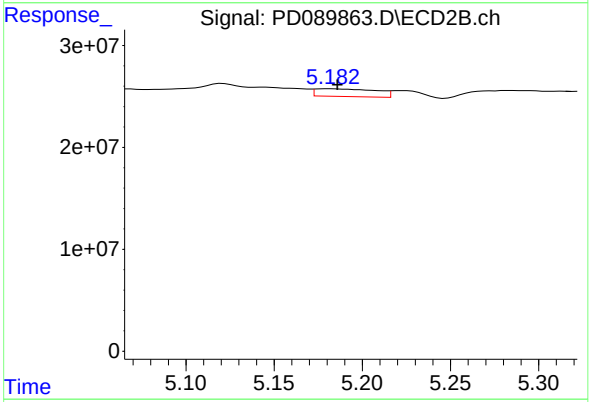
R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 23531628
Conc: 10.17 ng/ml



#26 Chlordane-4

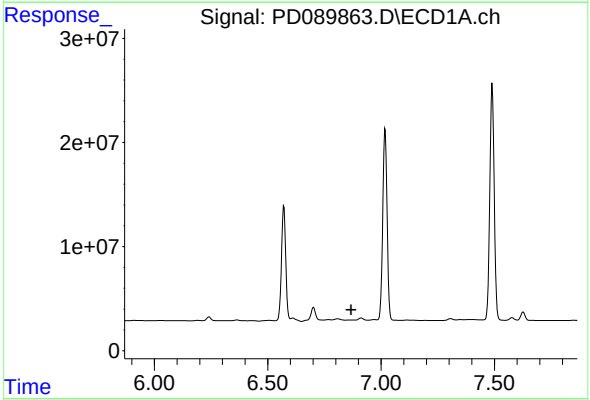
R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 726278
Conc: 0.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



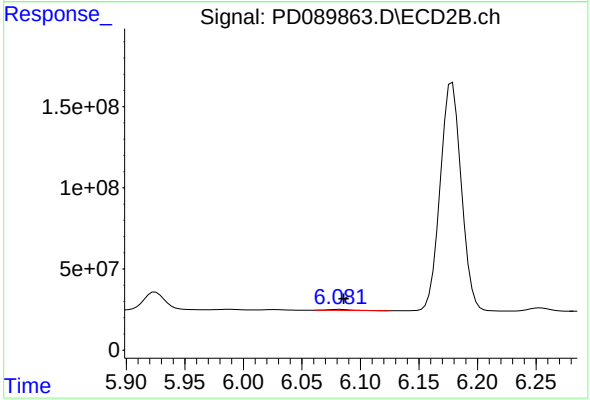
#26 Chlordane-4

R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 17938991
Conc: 9.02 ng/ml



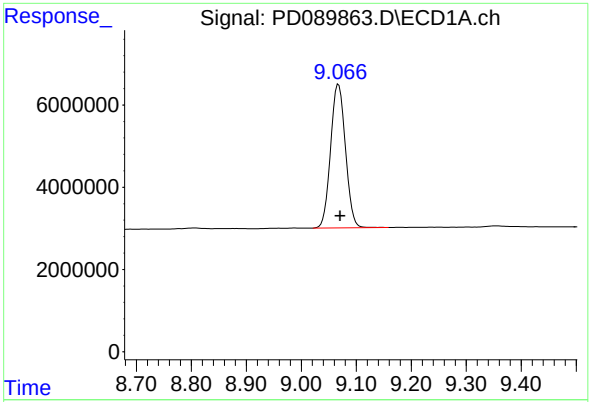
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.



#27 Chlordane-5

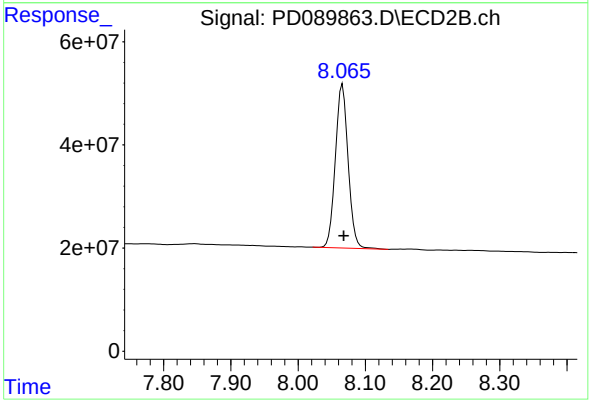
R.T.: 6.082 min
Delta R.T.: -0.004 min
Response: 8246718
Conc: 9.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 65592115
Conc: 17.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 415503599
Conc: 20.69 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 19:03
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 13 02:14:30 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	119.5E6	916.5E6	48.466	57.865	
28)	SA Decachlor...	9.068	8.066	164.1E6	998.8E6	44.167	49.745	
	Target Compounds							
2)	A alpha-BHC	3.997	3.390	247.6E6	1434.6E6	49.990	59.025	
3)	MA gamma-BHC...	4.328	3.726	235.5E6	1320.2E6	49.552	58.614	
4)	MA Heptachlor	4.926	4.079	214.2E6	1263.8E6	44.521	54.451	
5)	MB Aldrin	5.267	4.365	221.5E6	1307.5E6	48.530	58.762	
6)	B beta-BHC	4.514	4.022	91065261	561.9E6	49.367	58.238	
7)	B delta-BHC	4.762	4.259	226.4E6	1336.9E6	49.367	58.857	
8)	B Heptachlo...	5.687	4.868	195.9E6	1185.7E6	46.850	57.697	
9)	A Endosulfan I	6.071	5.242	185.2E6	1069.6E6	46.721	54.718	
10)	B gamma-Chl...	5.943	5.121	197.2E6	1274.7E6	47.196	58.867	
11)	B alpha-Chl...	6.023	5.186	197.7E6	1212.7E6	47.029	58.242	
12)	B 4,4'-DDE	6.192	5.370	173.2E6	1228.2E6	46.448	58.108	#
13)	MA Dieldrin	6.343	5.508	195.3E6	1253.4E6	46.251	57.924	#
14)	MA Endrin	6.570	5.785	152.8E6	1182.5E6	42.720	59.349	#
15)	B Endosulfa...	6.783	6.075	163.4E6	1063.3E6	44.540	56.558	#
16)	A 4,4'-DDD	6.702	5.924	148.4E6	1060.4E6	49.551	60.140	
17)	MA 4,4'-DDT	7.018	6.178	131.8E6	948.5E6	39.238	51.624	#
18)	B Endrin al...	6.912	6.254	116.1E6	752.2E6	46.527	58.218	#
19)	B Endosulfa...	7.146	6.477	151.7E6	1012.3E6	43.729	54.528	
20)	A Methoxychlor	7.490	6.749	70737691	506.5E6	39.563	51.710	#
21)	B Endrin ke...	7.627	6.986	166.0E6	1135.6E6	44.692	56.587	#
22)	Mirex	8.110	7.180	119.3E6	841.2E6	42.786	55.265	#
23)	Chlordane-1	0.000	3.902	0	236701	N.D.	0.324	#
24)	Chlordane-2	5.267f	4.502	221.5E6	40400148	1303.746	52.855	#
25)	Chlordane-3	5.943	5.121	197.2E6	1274.7E6	287.590	550.779	#
26)	Chlordane-4	6.023	5.186	197.7E6	1212.7E6	236.190	609.548	#
27)	Chlordane-5	0.000	6.075	0	1063.3E6	N.D.	1175.255	#

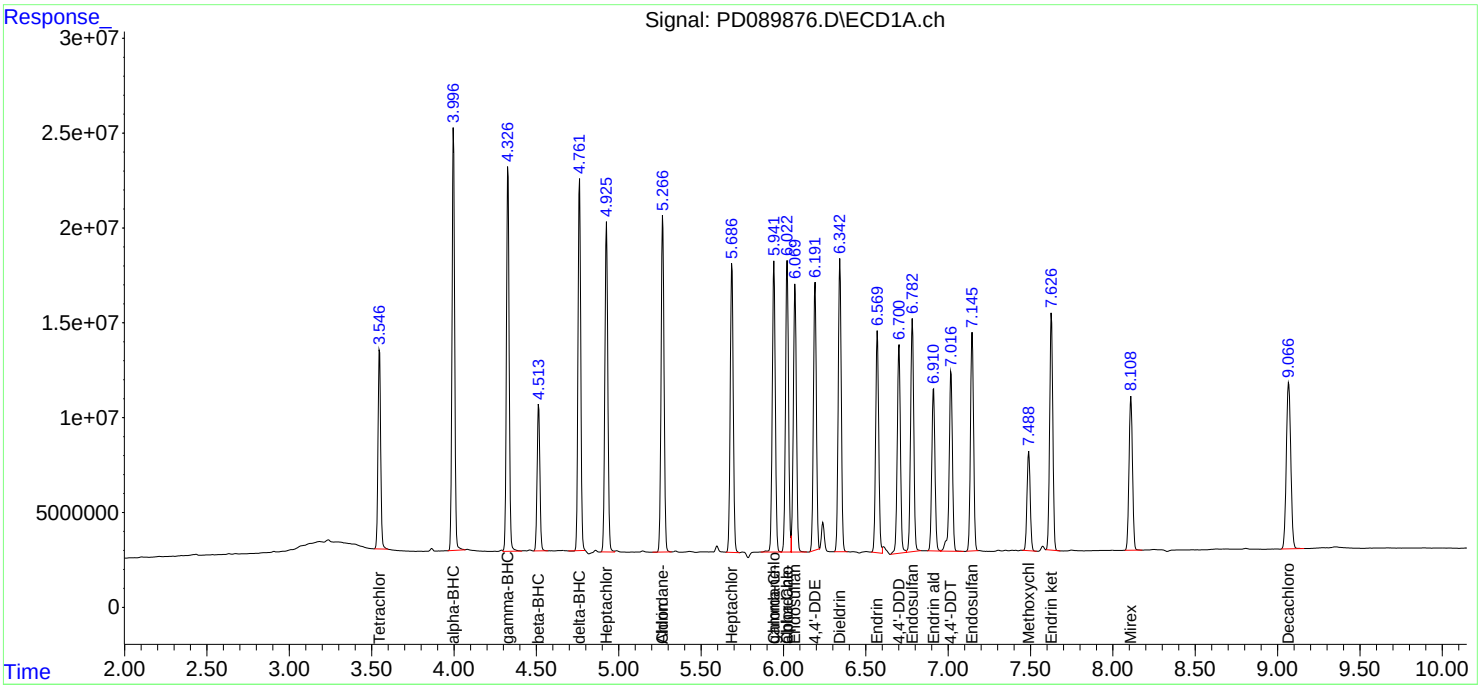
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

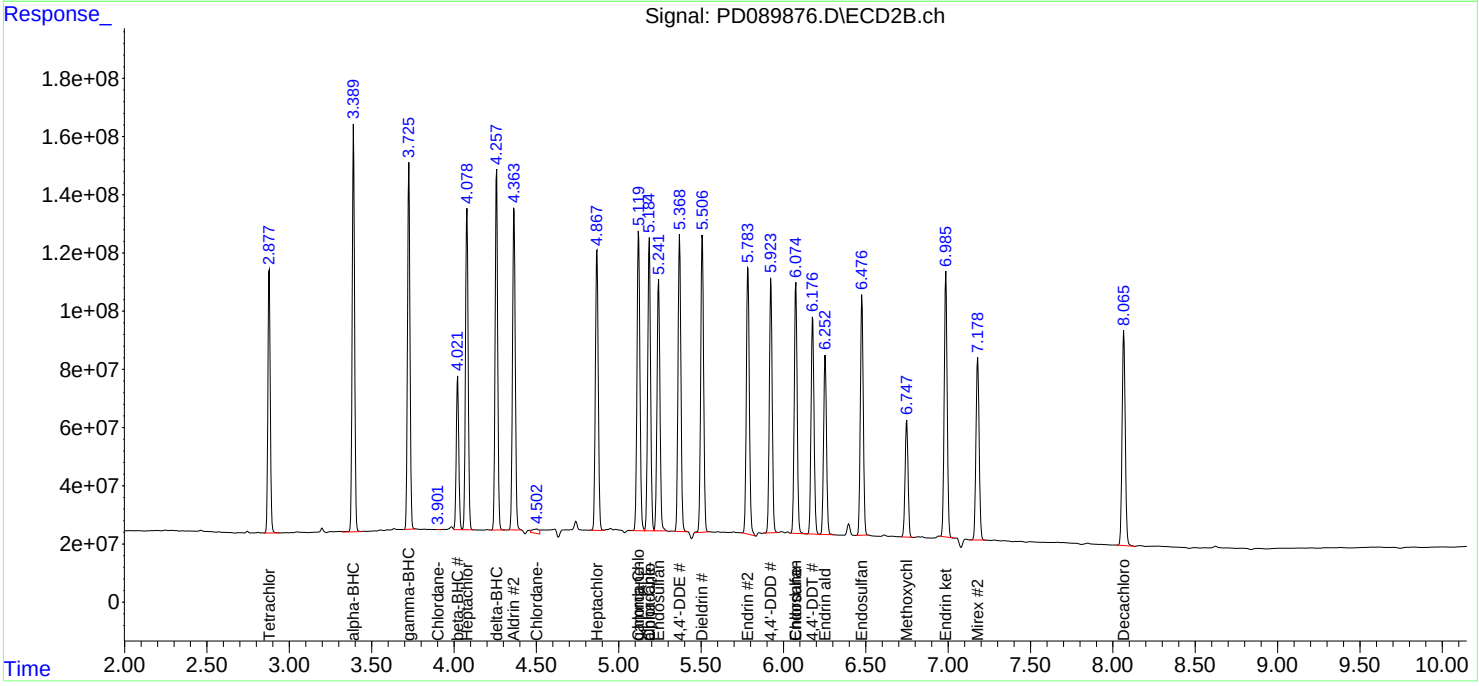
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 19:03
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

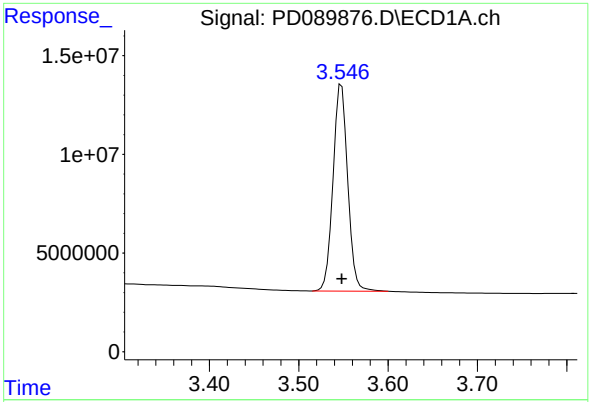
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:14:30 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



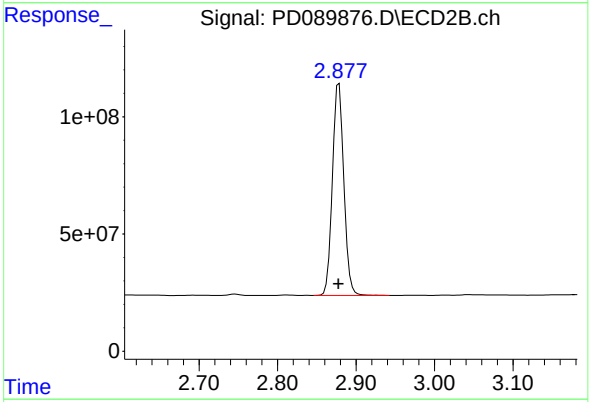




#1 Tetrachloro-m-xylene

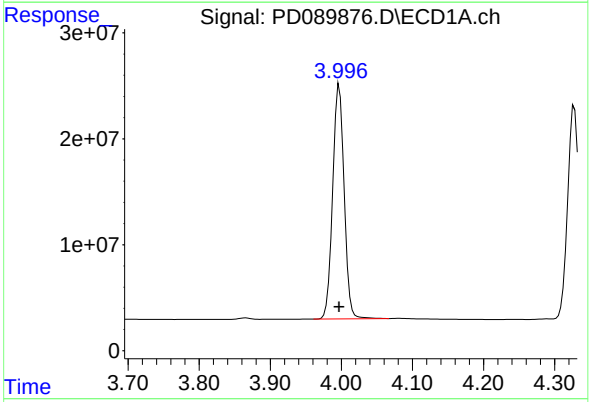
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 119545355
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



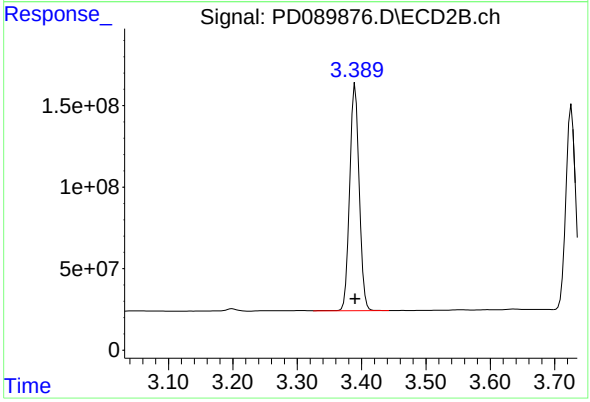
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 916455817
Conc: 57.86 ng/ml



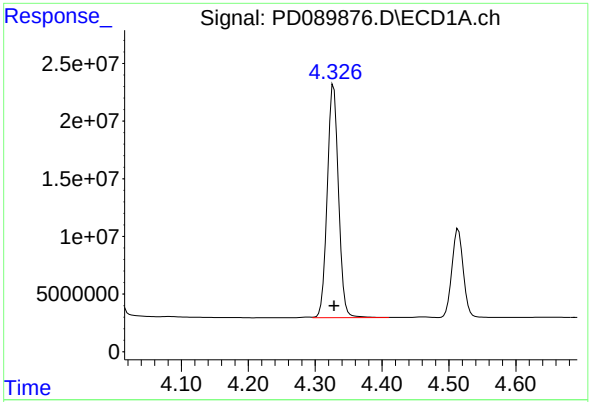
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 247626625
Conc: 49.99 ng/ml



#2 alpha-BHC

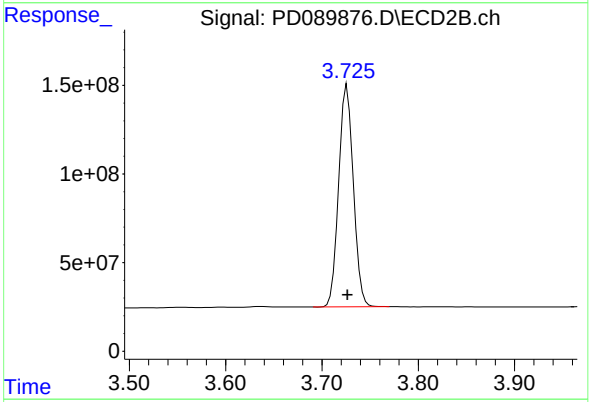
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1434592854
Conc: 59.02 ng/ml



#3 gamma-BHC (Lindane)

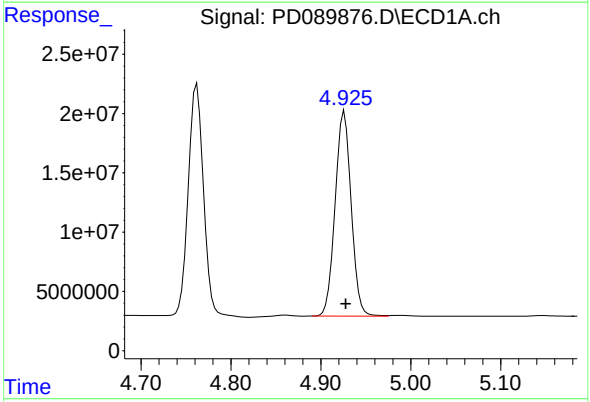
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 235490423
Conc: 49.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



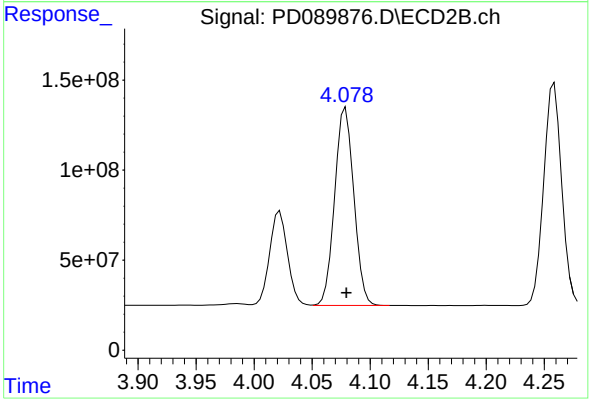
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1320226685
Conc: 58.61 ng/ml



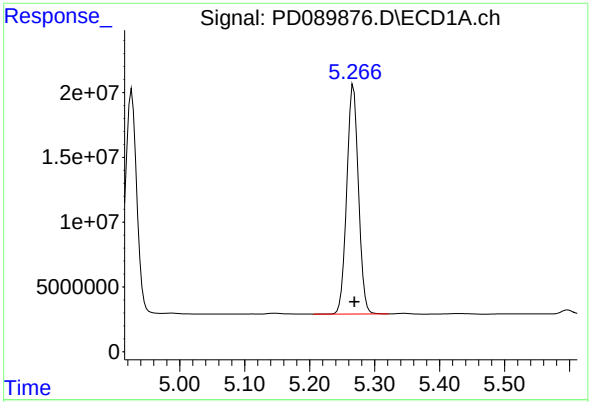
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 214214302
Conc: 44.52 ng/ml



#4 Heptachlor

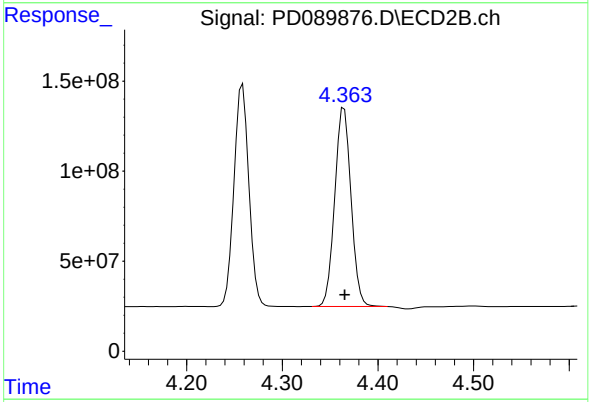
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1263772322
Conc: 54.45 ng/ml



#5 Aldrin

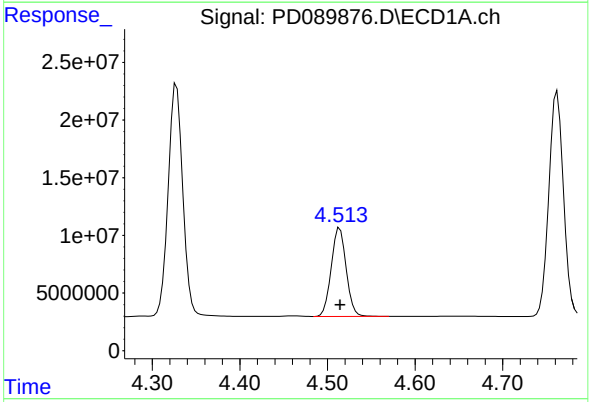
R.T.: 5.267 min
Delta R.T.: -0.002 min
Response: 221535022
Conc: 48.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



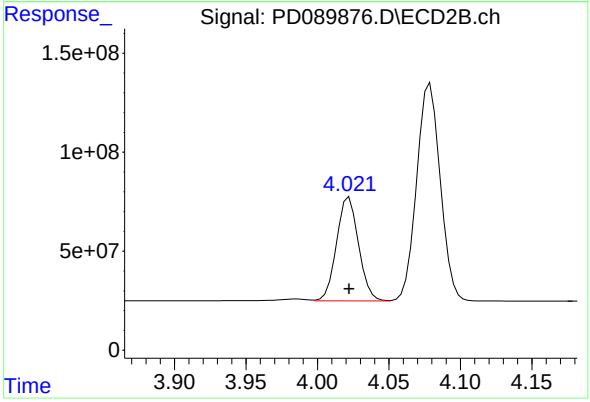
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1307495991
Conc: 58.76 ng/ml



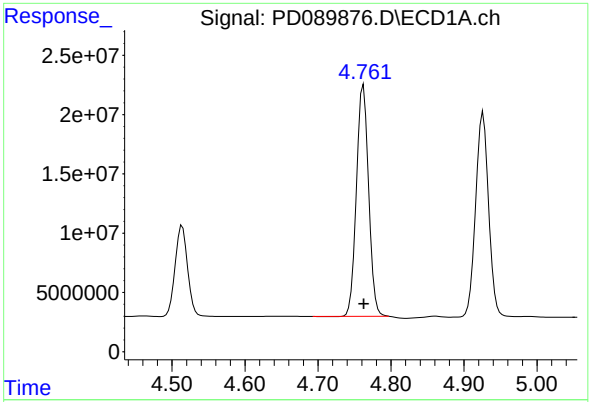
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 91065261
Conc: 49.37 ng/ml



#6 beta-BHC

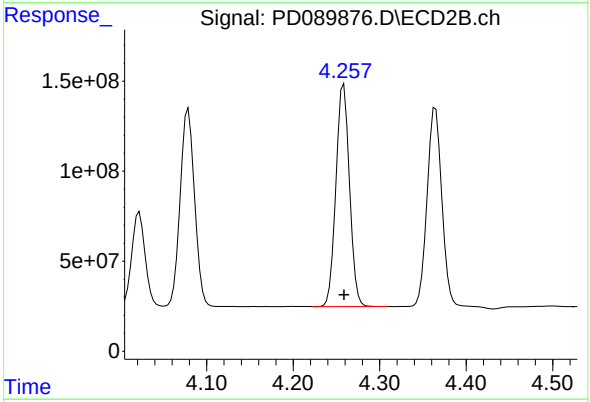
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 561938824
Conc: 58.24 ng/ml



#7 delta-BHC

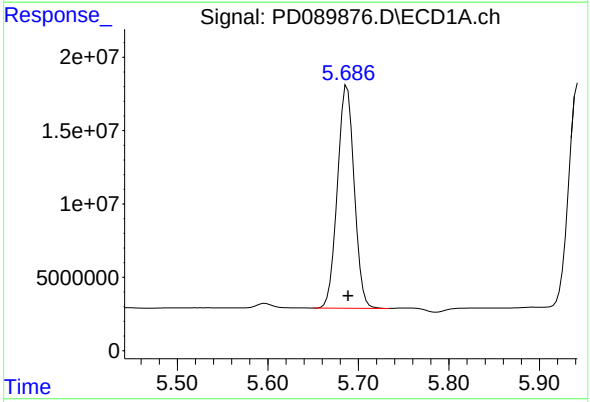
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 226407134
Conc: 49.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



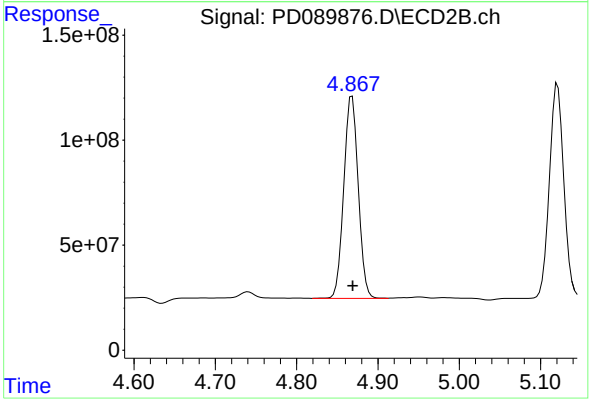
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1336943770
Conc: 58.86 ng/ml



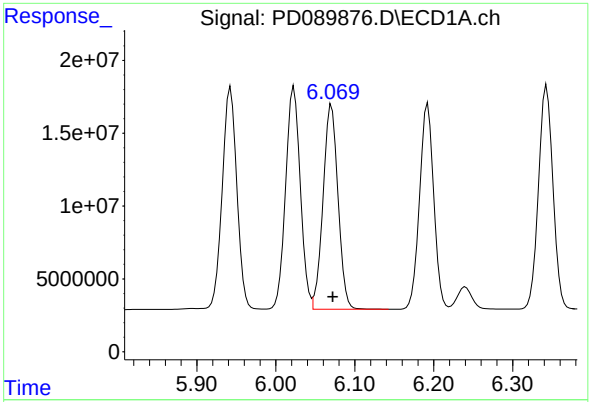
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.001 min
Response: 195865461
Conc: 46.85 ng/ml



#8 Heptachlor epoxide

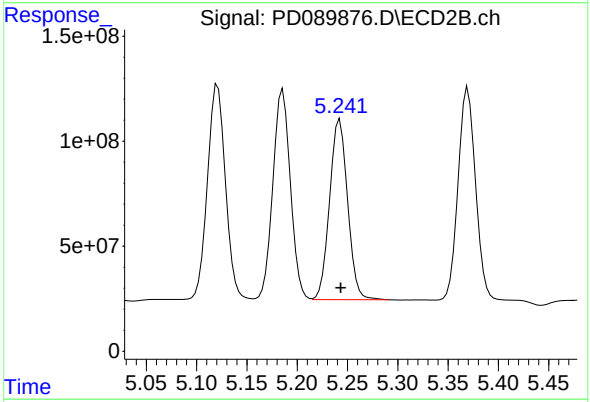
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1185669823
Conc: 57.70 ng/ml



#9 Endosulfan I

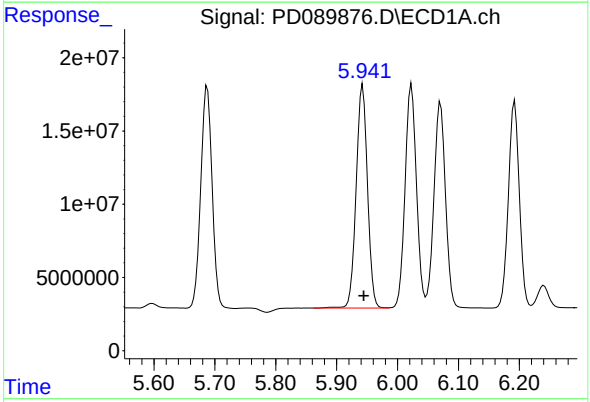
R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 185182419
Conc: 46.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



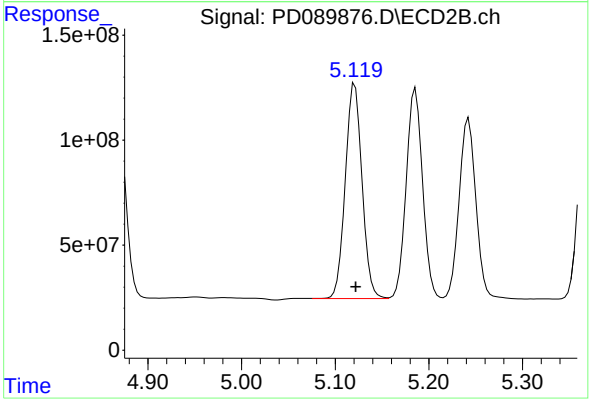
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1069637579
Conc: 54.72 ng/ml



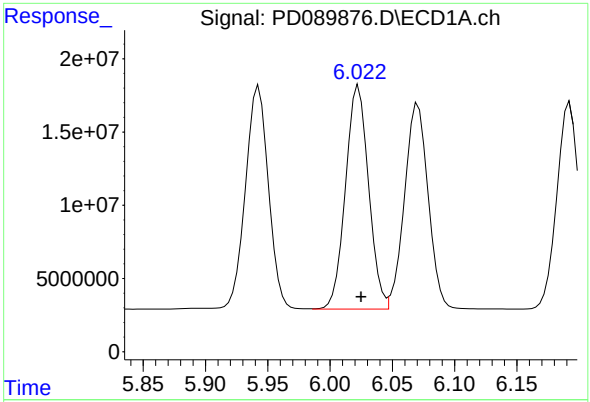
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.002 min
Response: 197236494
Conc: 47.20 ng/ml



#10 gamma-Chlordane

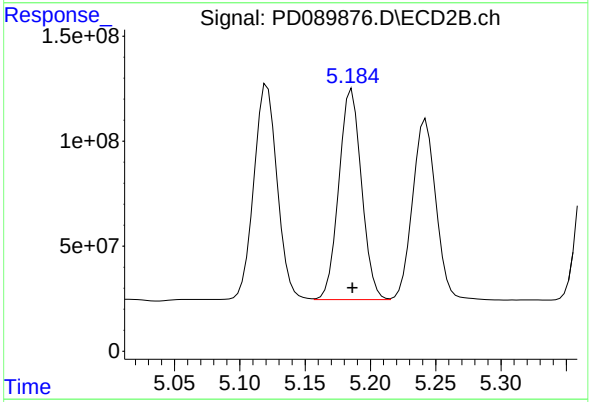
R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1274658616
Conc: 58.87 ng/ml



#11 alpha-Chlordane

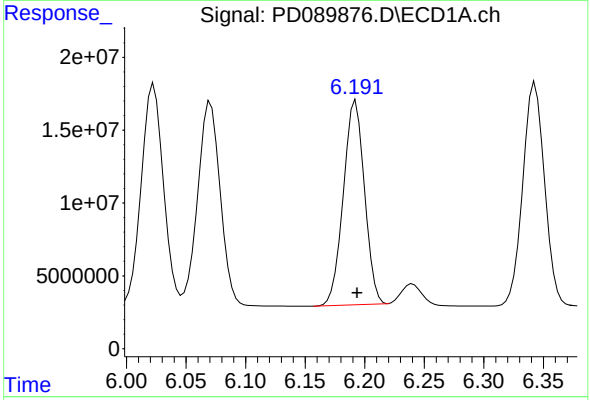
R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 197718724
Conc: 47.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



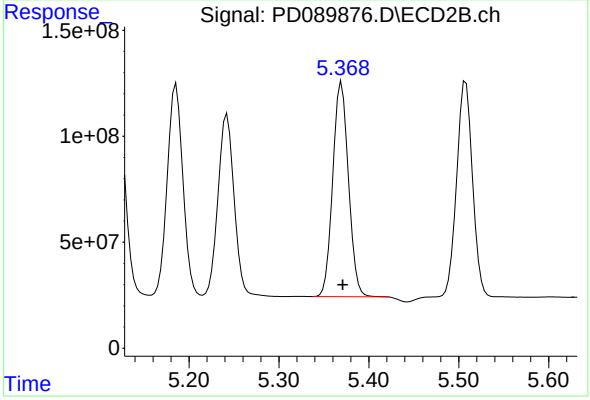
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1212717423
Conc: 58.24 ng/ml



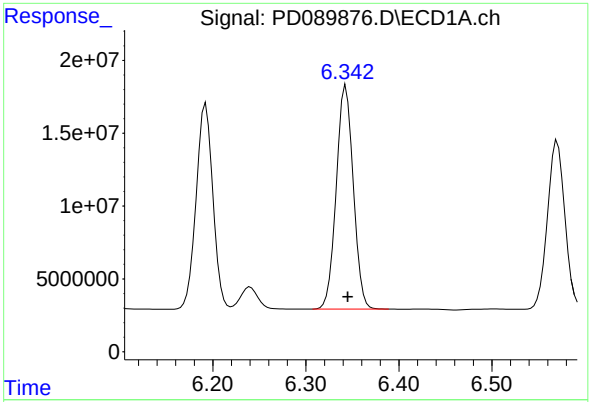
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 173238659
Conc: 46.45 ng/ml



#12 4,4'-DDE

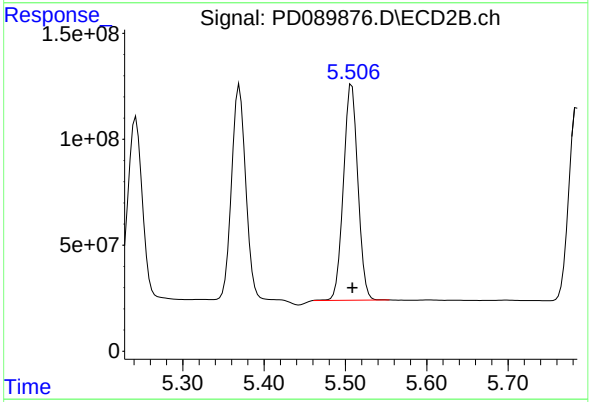
R.T.: 5.370 min
Delta R.T.: -0.001 min
Response: 1228234480
Conc: 58.11 ng/ml



#13 Dieldrin

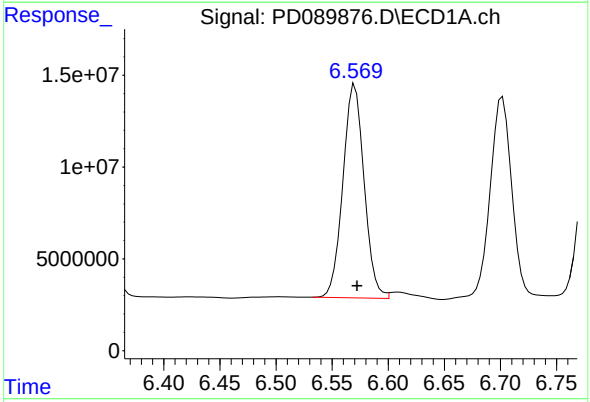
R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 195339706
Conc: 46.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



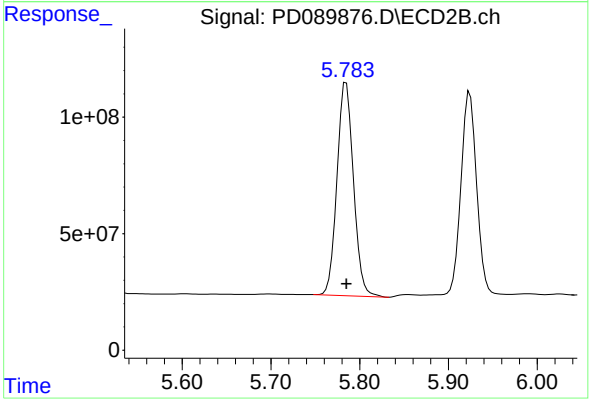
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1253425410
Conc: 57.92 ng/ml



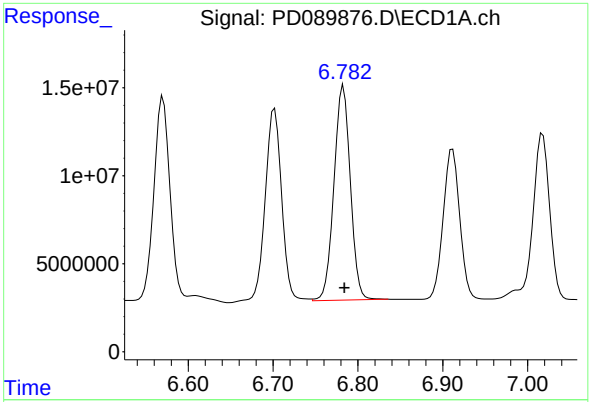
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 152839899
Conc: 42.72 ng/ml



#14 Endrin

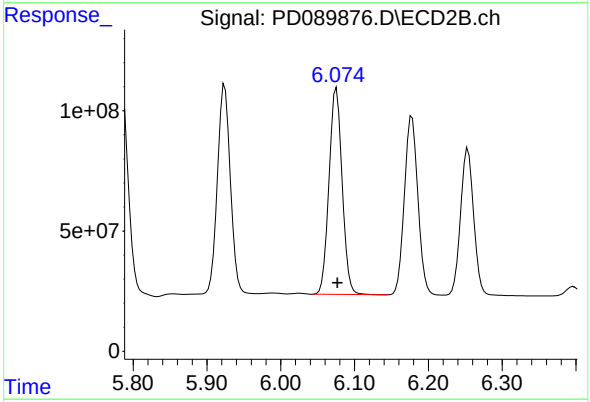
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1182539213
Conc: 59.35 ng/ml



#15 Endosulfan II

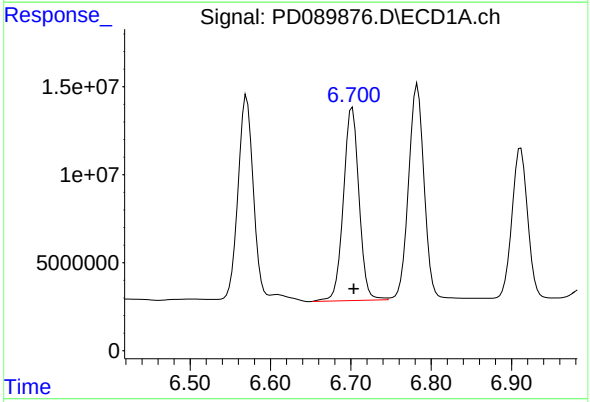
R.T.: 6.783 min
Delta R.T.: -0.001 min
Response: 163432534
Conc: 44.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



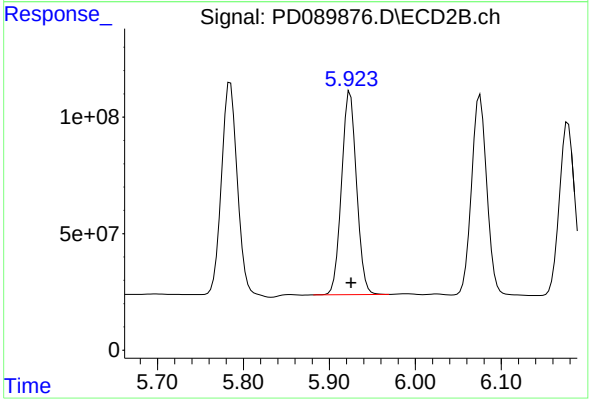
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: -0.001 min
Response: 1063270407
Conc: 56.56 ng/ml



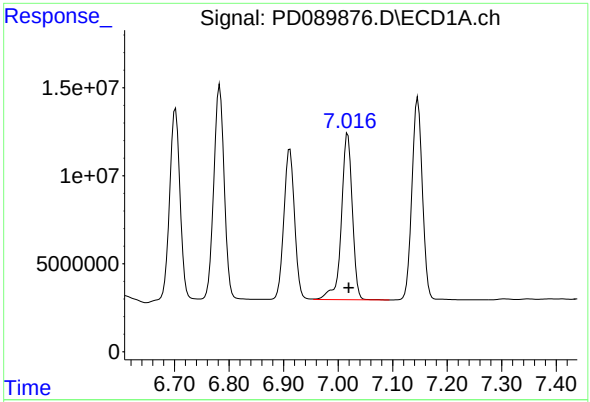
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 148395088
Conc: 49.55 ng/ml



#16 4,4'-DDD

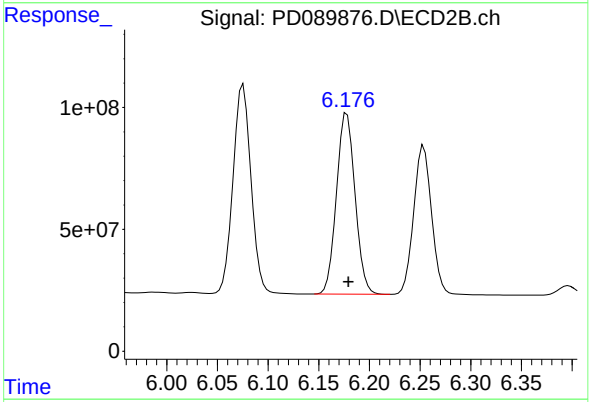
R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 1060425313
Conc: 60.14 ng/ml



#17 4,4'-DDT

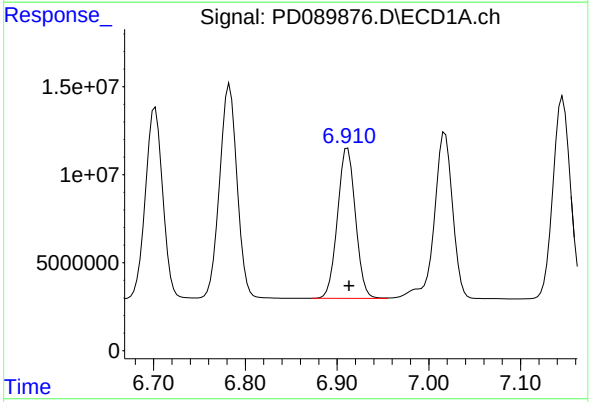
R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 131847861
Conc: 39.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



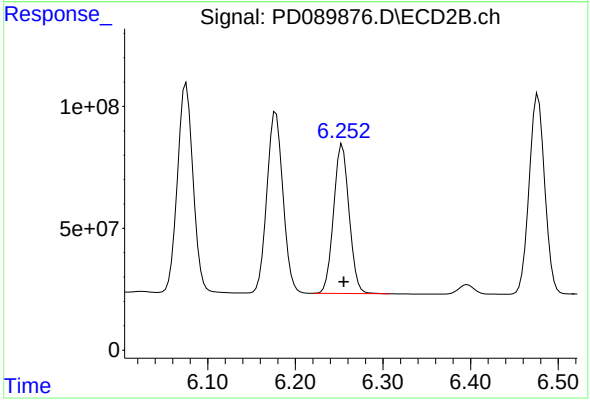
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.002 min
Response: 948470306
Conc: 51.62 ng/ml



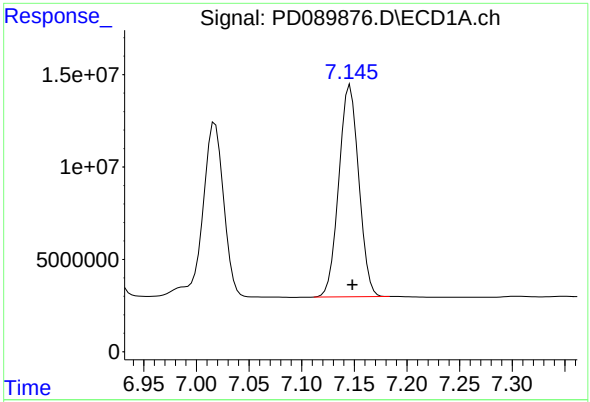
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.002 min
Response: 116112238
Conc: 46.53 ng/ml



#18 Endrin aldehyde

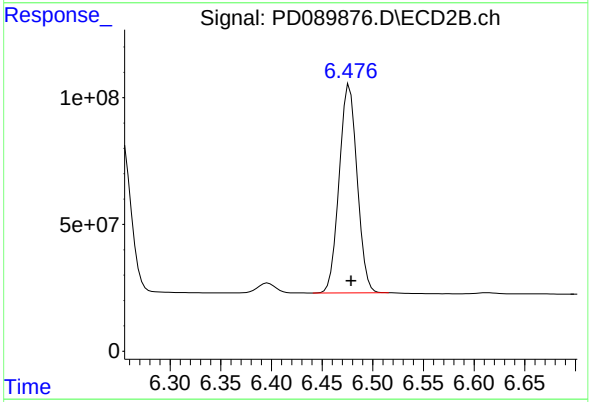
R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 752200621
Conc: 58.22 ng/ml



#19 Endosulfan Sulfate

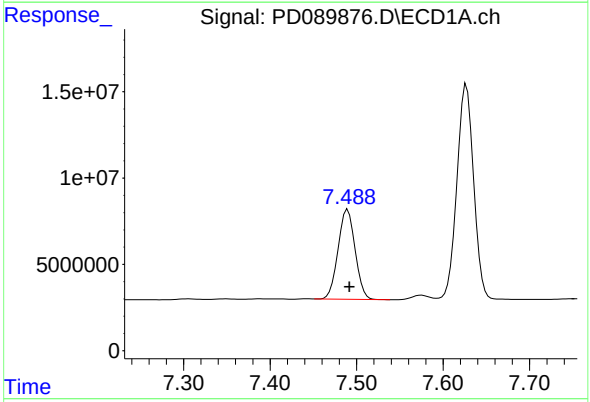
R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 151743287
Conc: 43.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



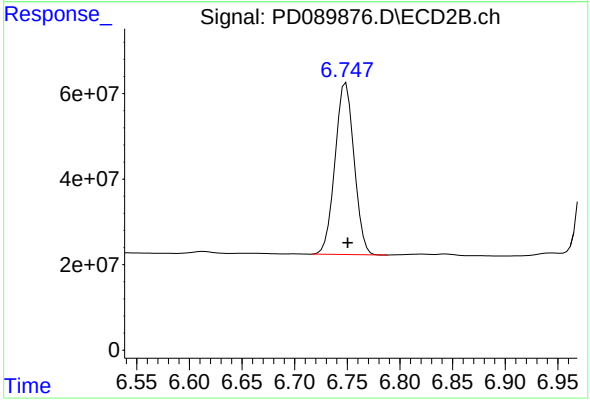
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: -0.001 min
Response: 1012339503
Conc: 54.53 ng/ml



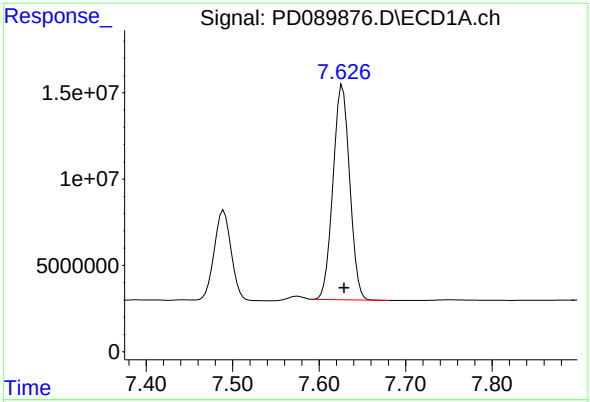
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 70737691
Conc: 39.56 ng/ml



#20 Methoxychlor

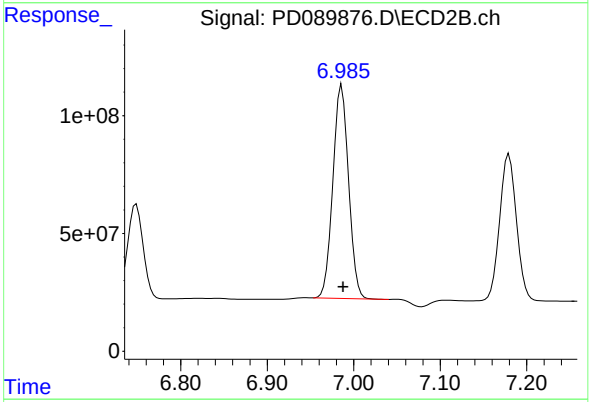
R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 506521429
Conc: 51.71 ng/ml



#21 Endrin ketone

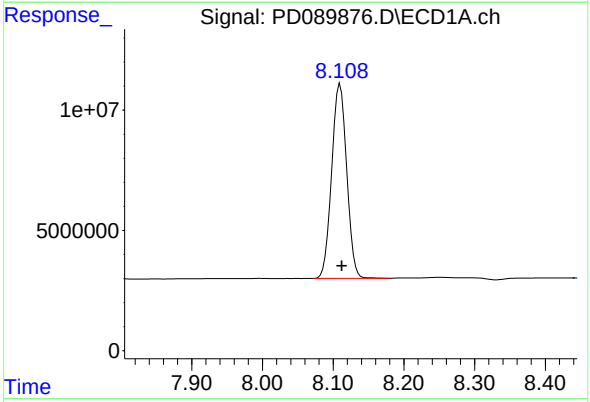
R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 165992433
Conc: 44.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



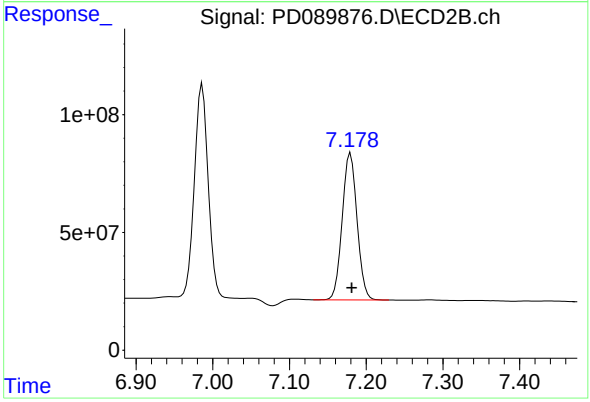
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.001 min
Response: 1135589358
Conc: 56.59 ng/ml



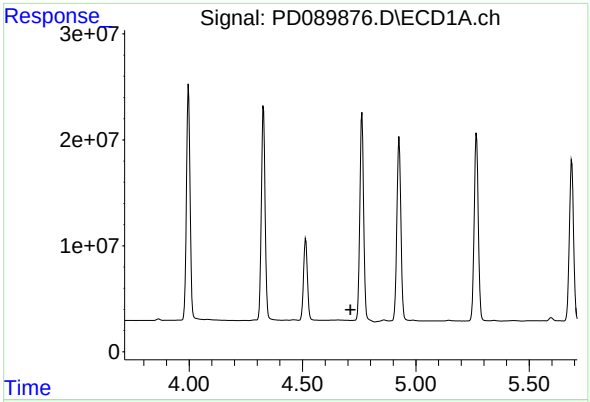
#22 Mirex

R.T.: 8.110 min
Delta R.T.: -0.002 min
Response: 119300103
Conc: 42.79 ng/ml



#22 Mirex

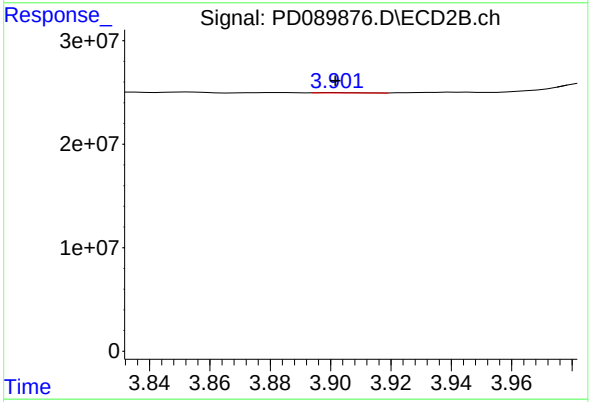
R.T.: 7.180 min
Delta R.T.: -0.002 min
Response: 841195662
Conc: 55.26 ng/ml



#23 Chlordane-1

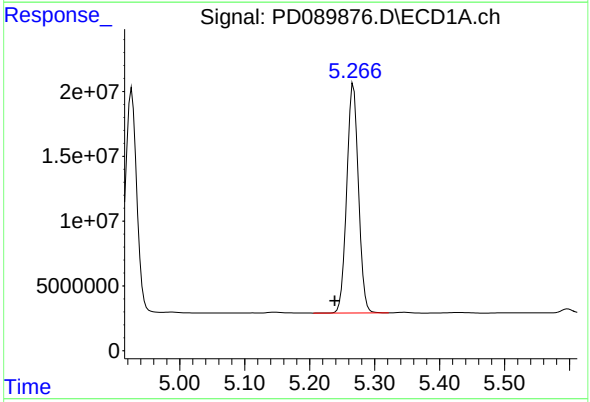
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



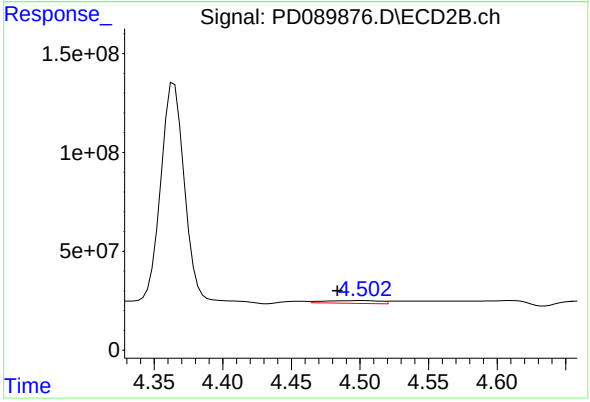
#23 Chlordane-1

R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 236701
Conc: 0.32 ng/ml



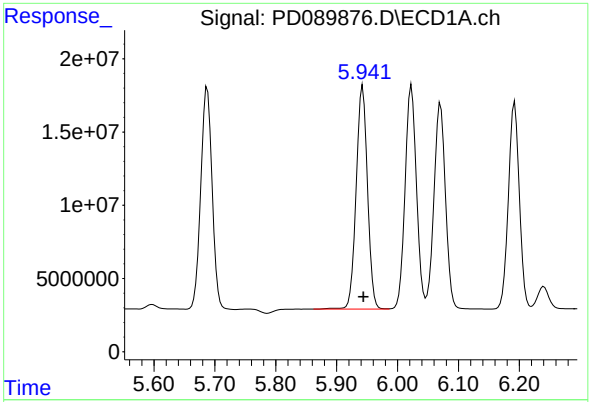
#24 Chlordane-2

R.T.: 5.267 min
Delta R.T.: 0.029 min
Response: 221535022
Conc: 1303.75 ng/ml



#24 Chlordane-2

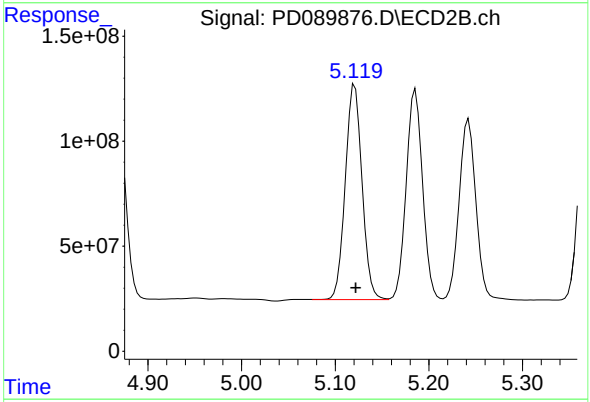
R.T.: 4.502 min
Delta R.T.: 0.018 min
Response: 40400148
Conc: 52.85 ng/ml



#25 Chlordane-3

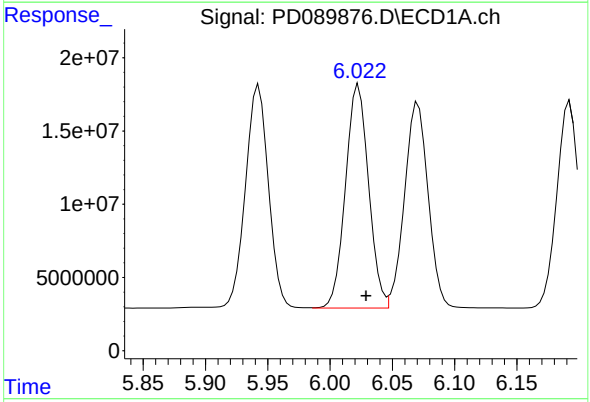
R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 197236494
Conc: 287.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



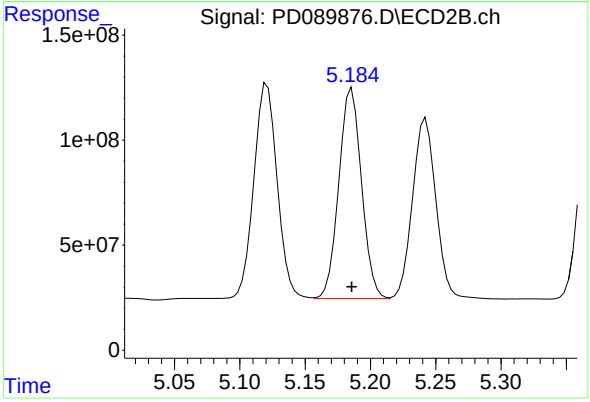
#25 Chlordane-3

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1274658616
Conc: 550.78 ng/ml



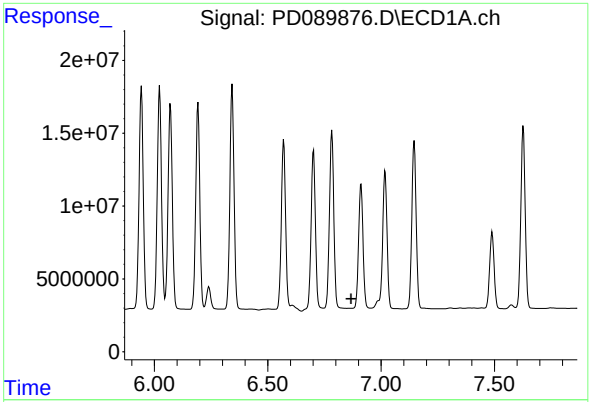
#26 Chlordane-4

R.T.: 6.023 min
Delta R.T.: -0.006 min
Response: 197718724
Conc: 236.19 ng/ml



#26 Chlordane-4

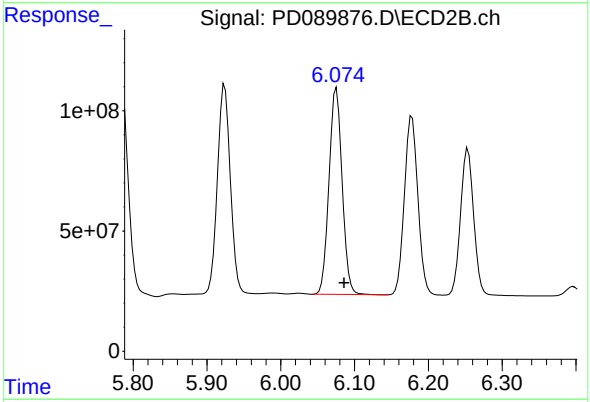
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1212717423
Conc: 609.55 ng/ml



#27 Chlordane-5

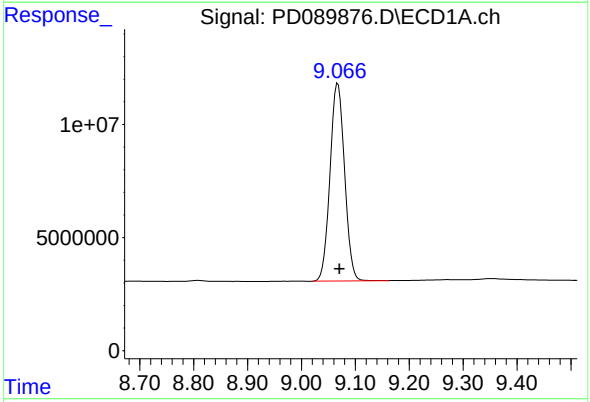
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



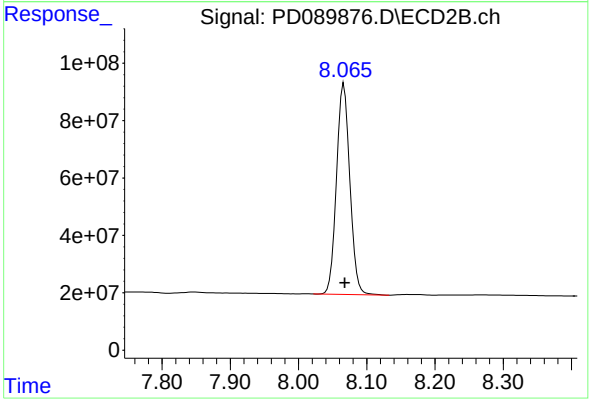
#27 Chlordane-5

R.T.: 6.075 min
Delta R.T.: -0.010 min
Response: 1063270407
Conc: 1175.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 164137196
Conc: 44.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.001 min
Response: 998784366
Conc: 49.75 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:19
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 14 13:54:48 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...	3.548	2.878	44987226	365.5E6	18.239	23.079	#
28)	SA	Decachlor...	9.070	8.066	65193590	436.2E6	17.543	21.723	
	Target Compounds								
2)	A	alpha-BHC	3.997	3.390	43353836	310.9E6	8.752	12.791	#
3)	MA	gamma-BHC...	4.328	3.726	43356268	280.9E6	9.123	12.473	#
4)	MA	Heptachlor	4.951f	4.076	527932	1131885	0.110	0.049	#
5)	MB	Aldrin	5.255	4.362	398695	2270324	0.087	0.102	
6)	B	beta-BHC	4.515	4.022	18379276	120.0E6	9.963	12.433	
7)	B	delta-BHC	4.773	4.247	1827476	776757	0.398	0.034	#
8)	B	Heptachlo...	5.681	4.876	8023190	5374660	1.919	0.262	#
9)	A	Endosulfan I	0.000	5.222f	0	15189833	N.D.	0.777	#
10)	B	gamma-Chl...	5.941	5.123	322783	21853430	0.077	1.009	#
11)	B	alpha-Chl...	6.029	5.182	876638	34791548	0.209	1.671	#
12)	B	4,4'-DDE	6.199	5.373	212874	2439708	0.057	0.115	#
13)	MA	Dieldrin	0.000	5.509	0	3190518	N.D.	0.147	#
14)	MA	Endrin	6.571	5.785	161.5E6	1131.8E6	45.128	56.803	#
15)	B	Endosulfa...	6.769	6.080	3801688	4650899	1.036	0.247	#
16)	A	4,4'-DDD	6.703	5.926	12407912	25125548	4.143	1.425	#
17)	MA	4,4'-DDT	7.019	6.178	283.4E6	2023.8E6	84.341	110.155	#
18)	B	Endrin al...	6.915	6.253	939247	13738565	0.376	1.063	#
19)	B	Endosulfa...	0.000	6.471	0	1496799	N.D.	0.081	#
20)	A	Methoxychlor	7.491	6.749	348.0E6	2147.3E6	194.610	219.216	
21)	B	Endrin ke...	7.628	6.984	1629300	9813797	0.439	0.489	
22)		Mirex	8.118	7.173	265729	4316675	0.095	0.284	#
23)		Chlordane-1	0.000	3.895	0	1580289	N.D.	2.161	#
24)		Chlordane-2	5.255	4.494	398695	27354322	2.346	35.787	#
25)		Chlordane-3	5.941	5.123	322783	21853430	0.471	9.443	#
26)		Chlordane-4	6.029	5.182	876638	34791548	1.047	17.487	#
27)		Chlordane-5	6.872	6.080	145234	4650899	1.007	5.141	#

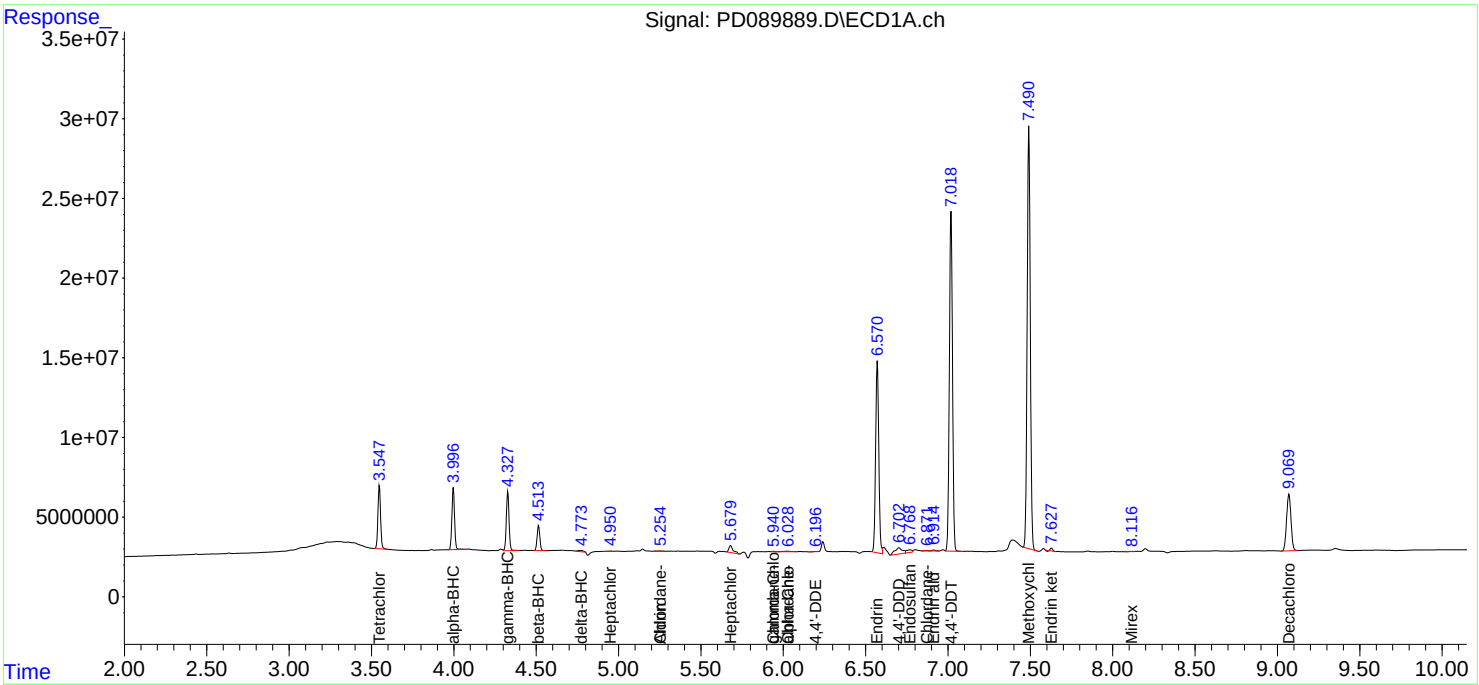
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

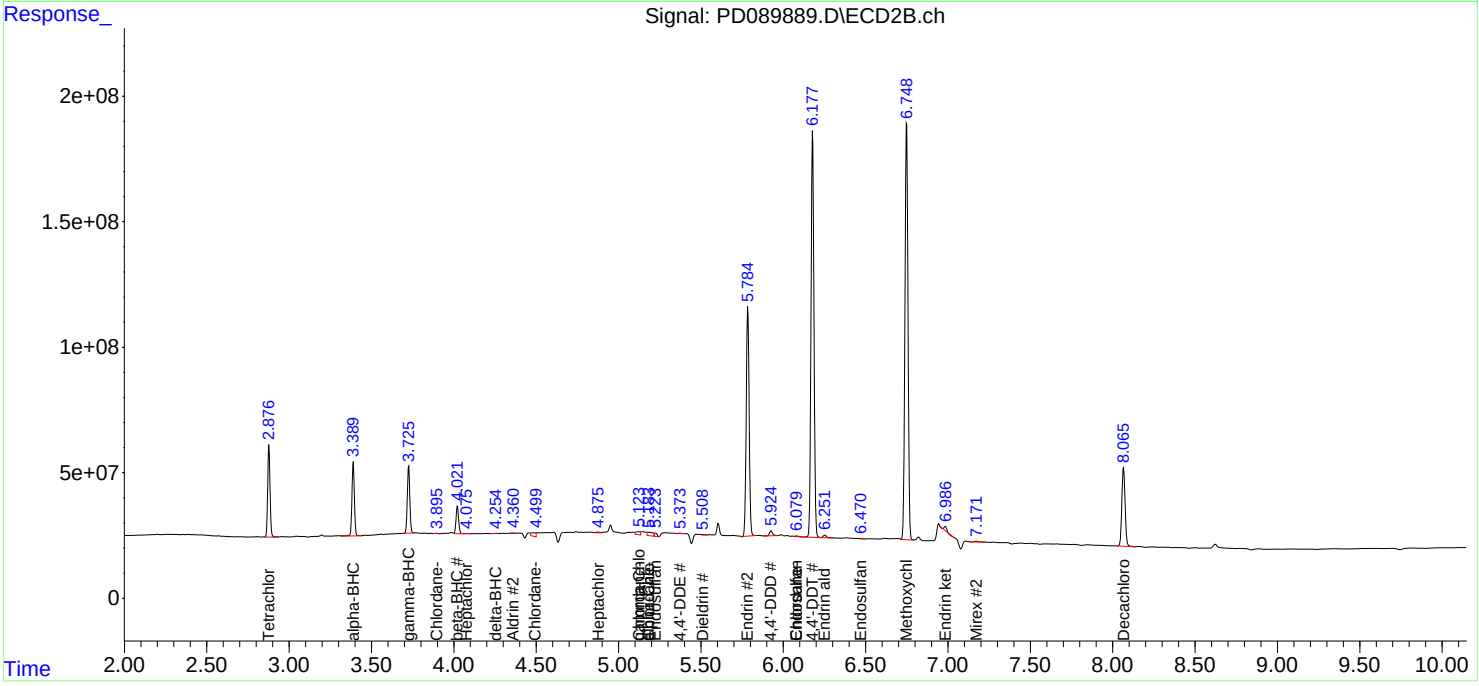
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:19
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

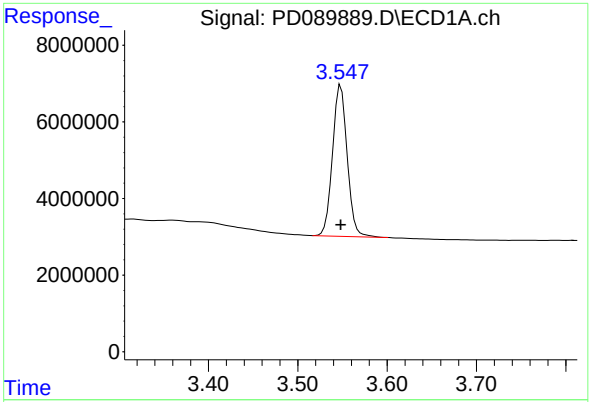
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:54:48 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



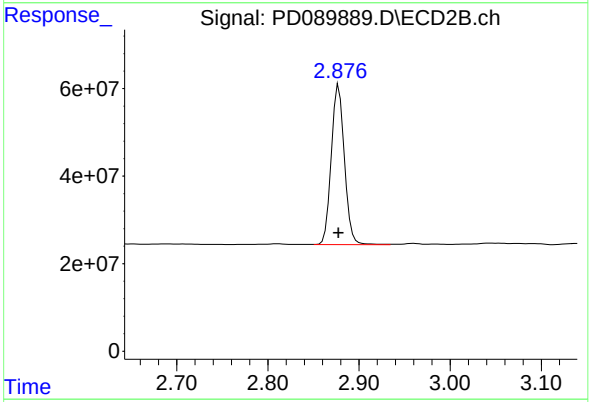




#1 Tetrachloro-m-xylene

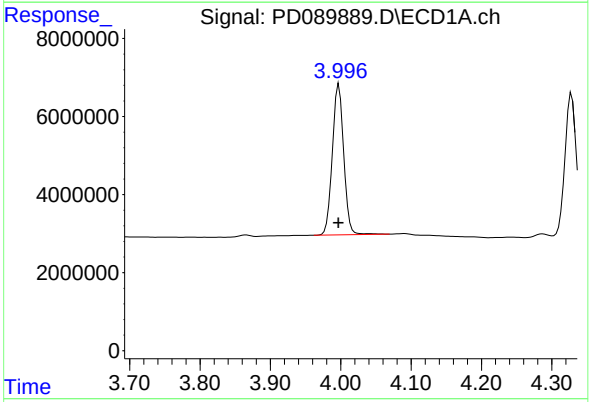
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 44987226
Conc: 18.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



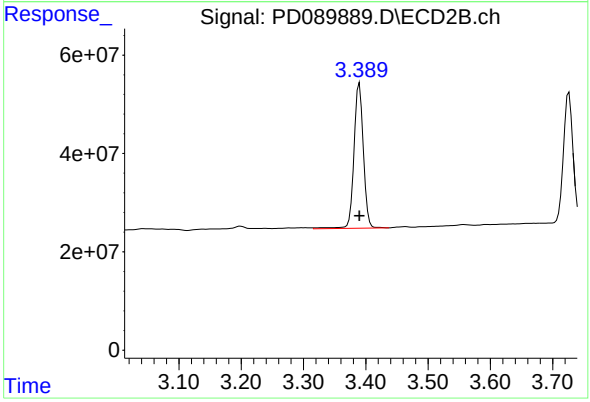
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 365529389
Conc: 23.08 ng/ml



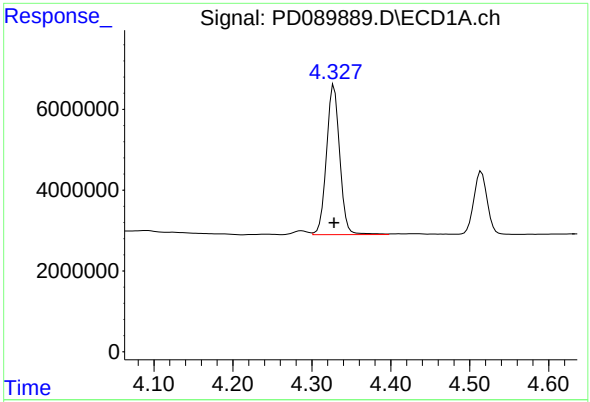
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 43353836
Conc: 8.75 ng/ml



#2 alpha-BHC

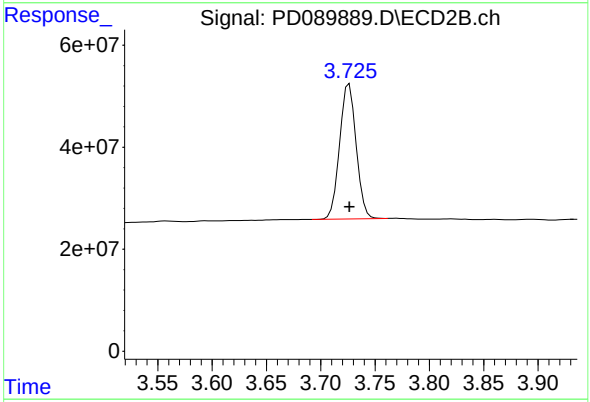
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 310884548
Conc: 12.79 ng/ml



#3 gamma-BHC (Lindane)

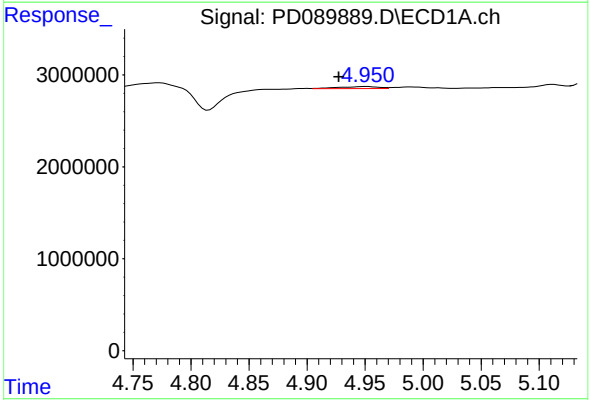
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 43356268
Conc: 9.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



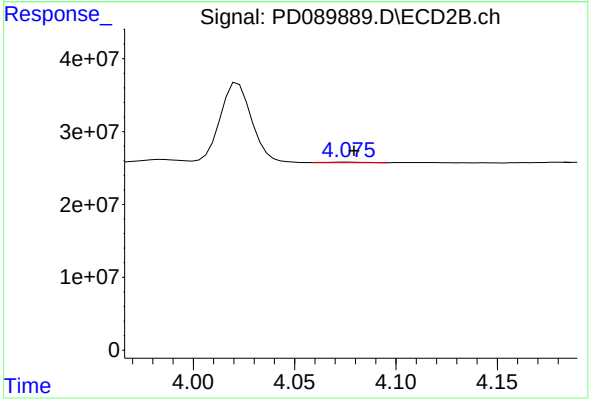
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 280936272
Conc: 12.47 ng/ml



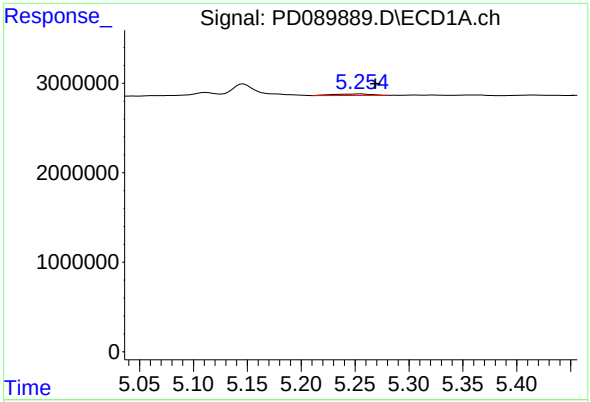
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: 0.024 min
Response: 527932
Conc: 0.11 ng/ml



#4 Heptachlor

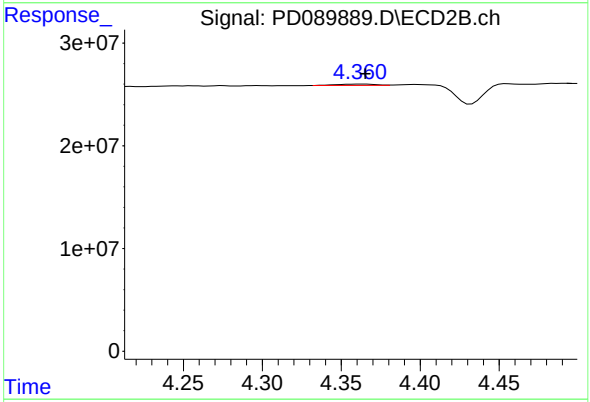
R.T.: 4.076 min
Delta R.T.: -0.003 min
Response: 1131885
Conc: 0.05 ng/ml



#5 Aldrin

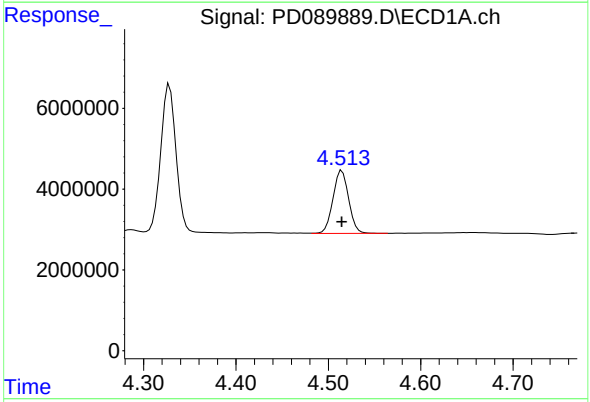
R.T.: 5.255 min
Delta R.T.: -0.013 min
Response: 398695
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



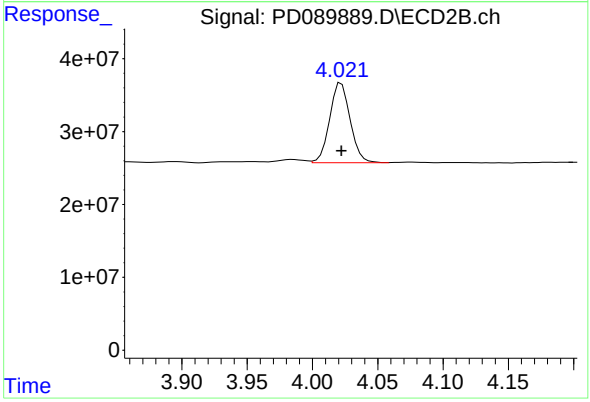
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: -0.003 min
Response: 2270324
Conc: 0.10 ng/ml



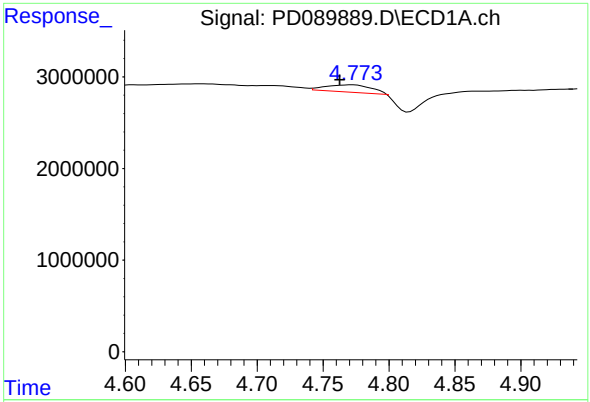
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 18379276
Conc: 9.96 ng/ml



#6 beta-BHC

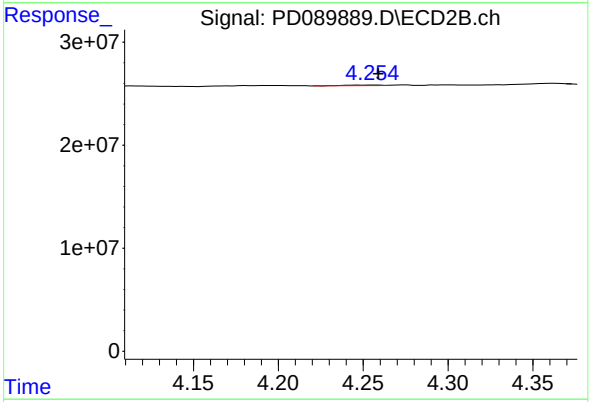
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 119965559
Conc: 12.43 ng/ml



#7 delta-BHC

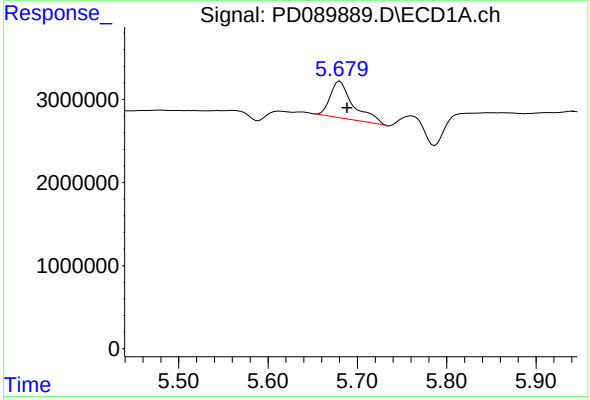
R.T.: 4.773 min
Delta R.T.: 0.010 min
Response: 1827476
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



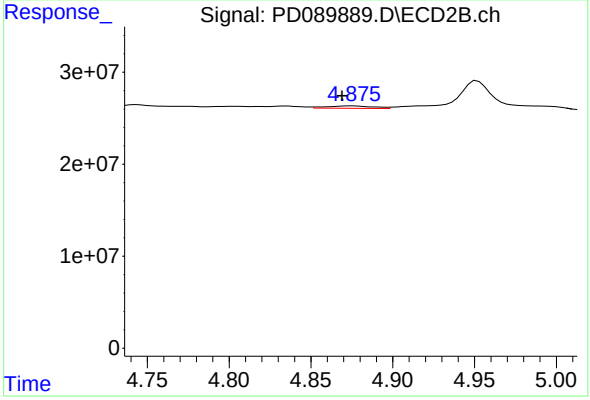
#7 delta-BHC

R.T.: 4.247 min
Delta R.T.: -0.012 min
Response: 776757
Conc: 0.03 ng/ml



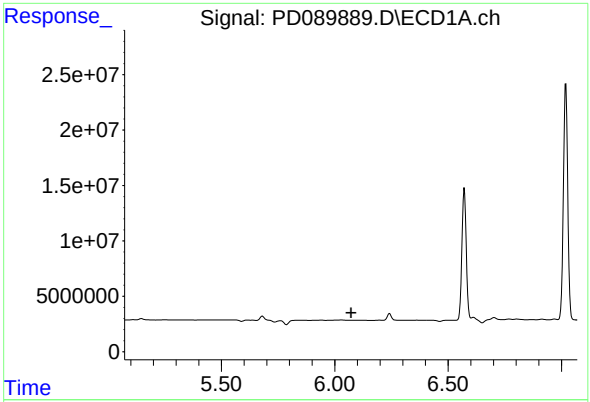
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.008 min
Response: 8023190
Conc: 1.92 ng/ml



#8 Heptachlor epoxide

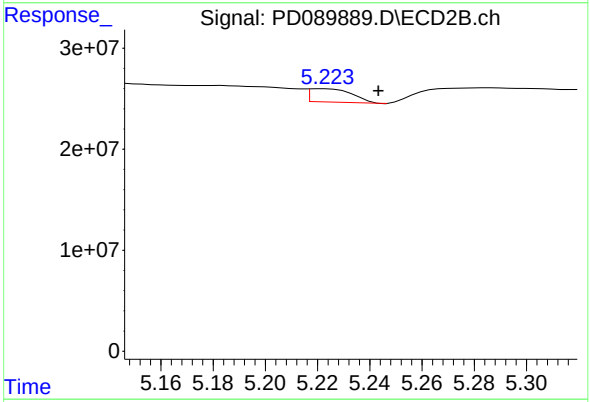
R.T.: 4.876 min
Delta R.T.: 0.007 min
Response: 5374660
Conc: 0.26 ng/ml



#9 Endosulfan I

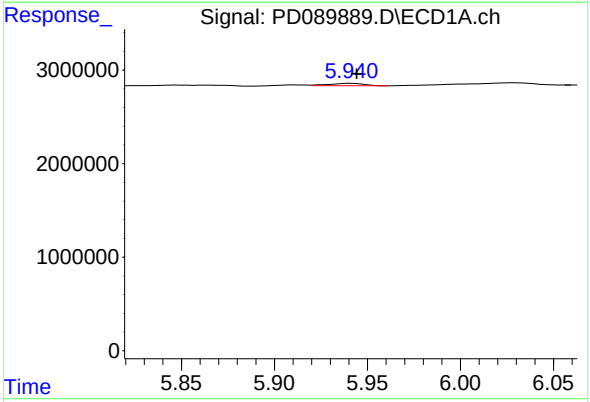
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



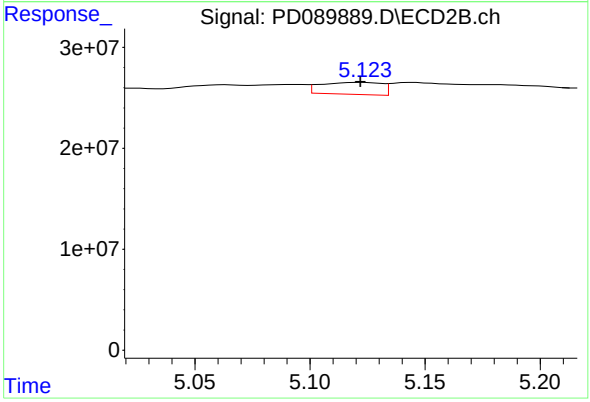
#9 Endosulfan I

R.T.: 5.222 min
Delta R.T.: -0.021 min
Response: 15189833
Conc: 0.78 ng/ml



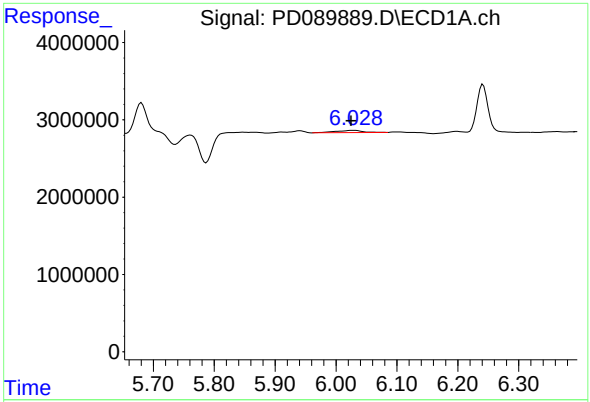
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 322783
Conc: 0.08 ng/ml



#10 gamma-Chlordane

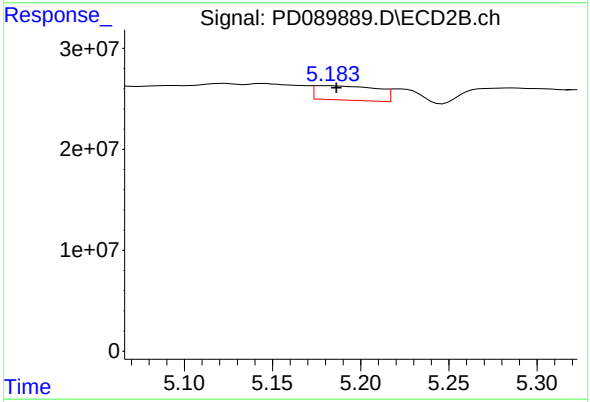
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 21853430
Conc: 1.01 ng/ml



#11 alpha-Chlordane

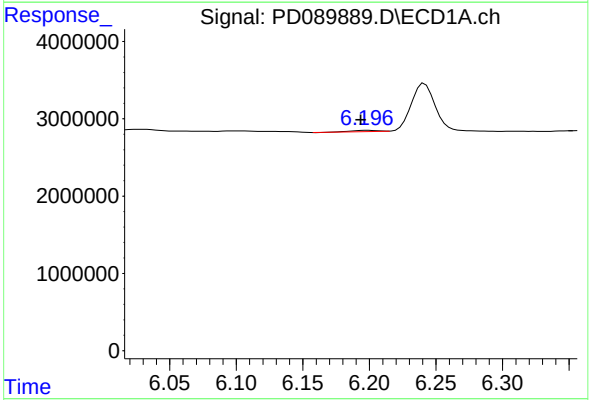
R.T.: 6.029 min
Delta R.T.: 0.005 min
Response: 876638
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



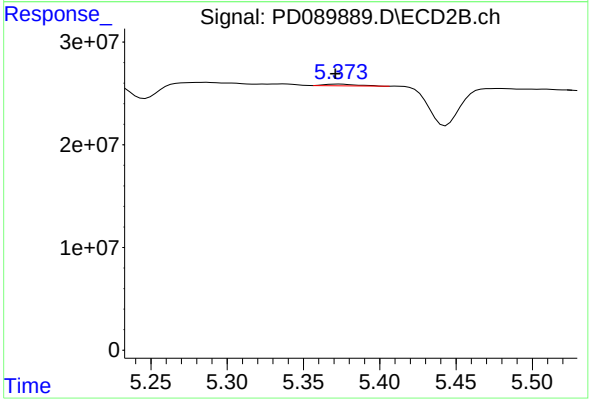
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.004 min
Response: 34791548
Conc: 1.67 ng/ml



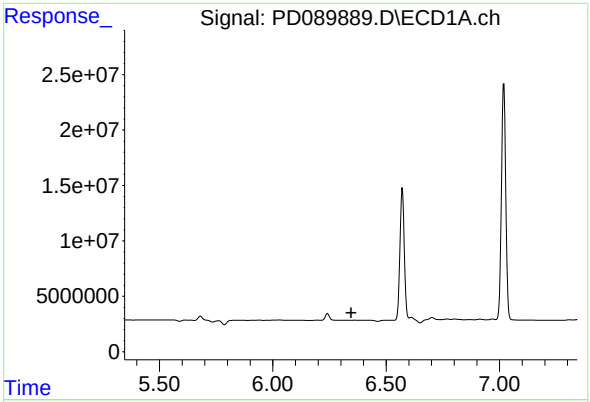
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.005 min
Response: 212874
Conc: 0.06 ng/ml



#12 4,4'-DDE

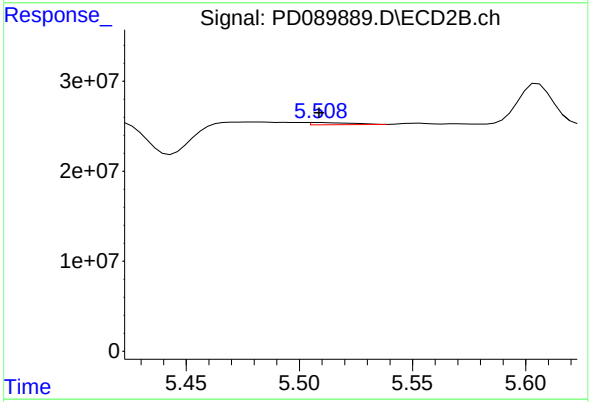
R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 2439708
Conc: 0.12 ng/ml



#13 Dieldrin

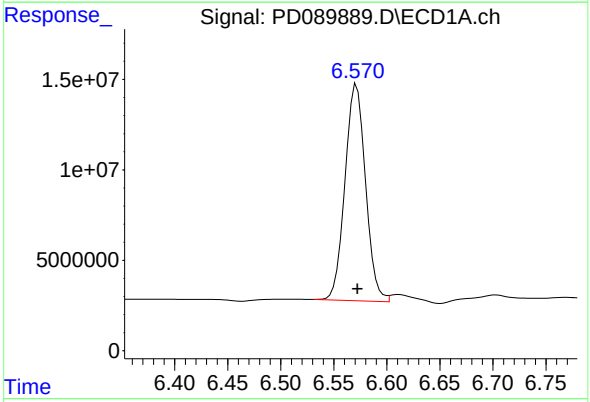
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



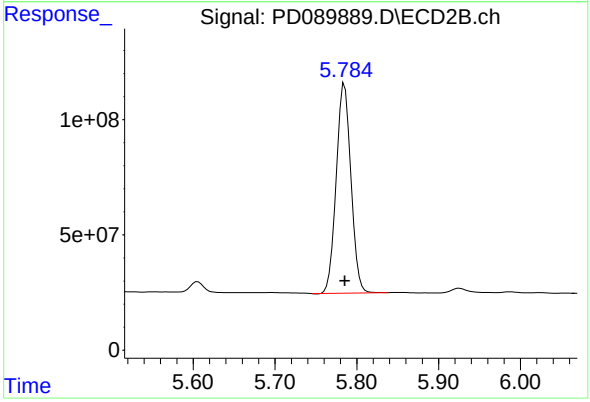
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 3190518
Conc: 0.15 ng/ml



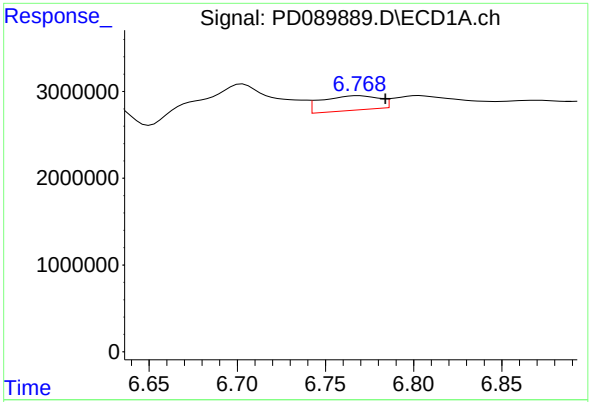
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 161454406
Conc: 45.13 ng/ml



#14 Endrin

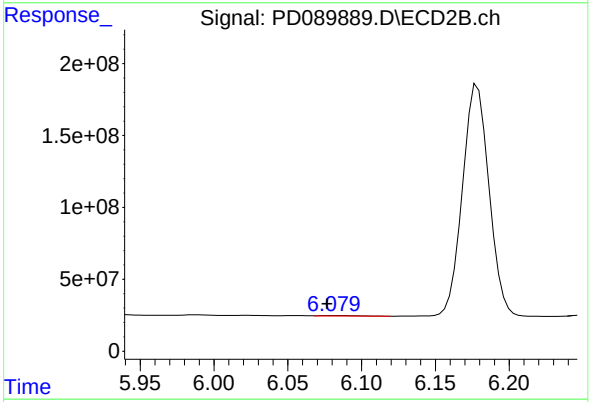
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1131810203
Conc: 56.80 ng/ml



#15 Endosulfan II

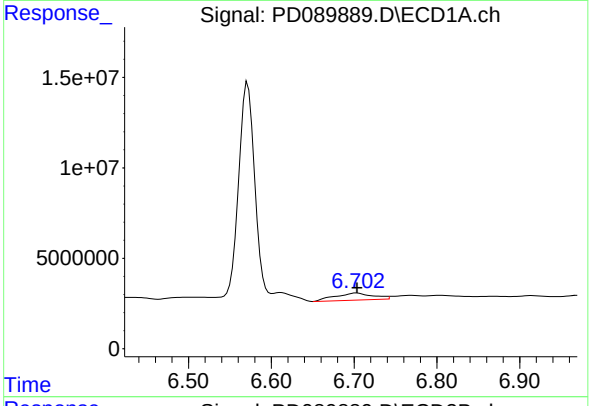
R.T.: 6.769 min
Delta R.T.: -0.015 min
Response: 3801688
Conc: 1.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



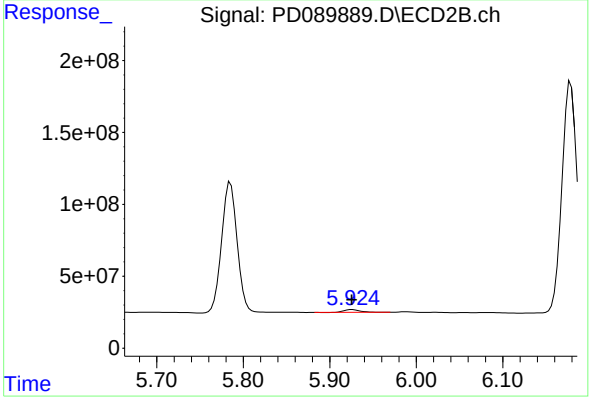
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.004 min
Response: 4650899
Conc: 0.25 ng/ml



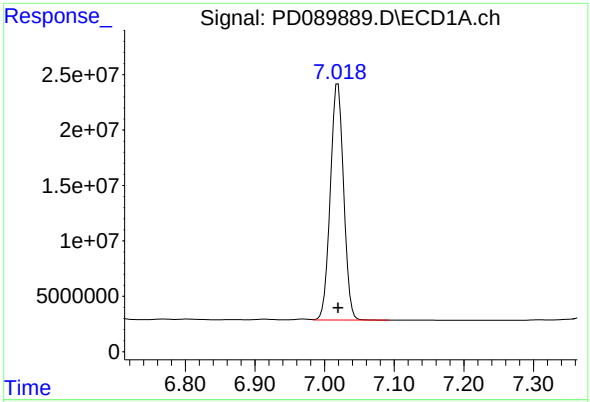
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 12407912
Conc: 4.14 ng/ml



#16 4,4'-DDD

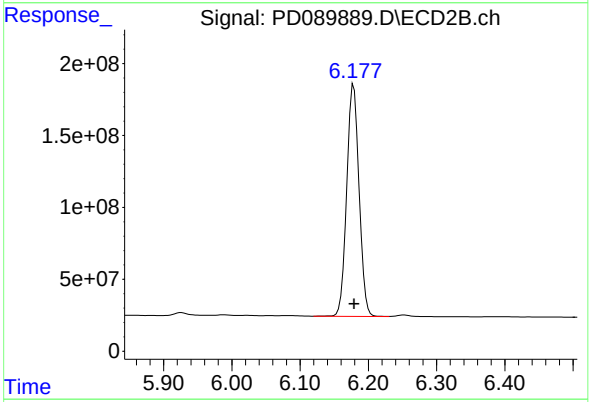
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 25125548
Conc: 1.42 ng/ml



#17 4,4'-DDT

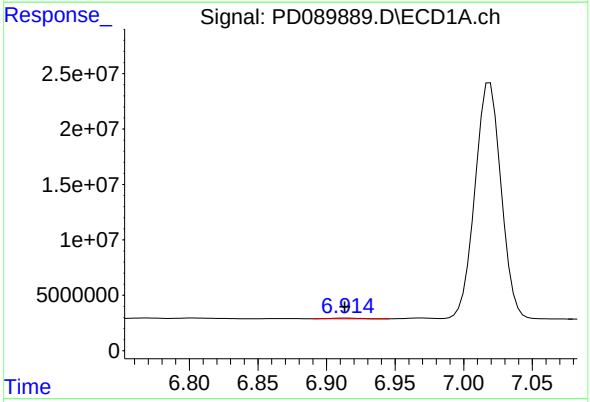
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 283407818
Conc: 84.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



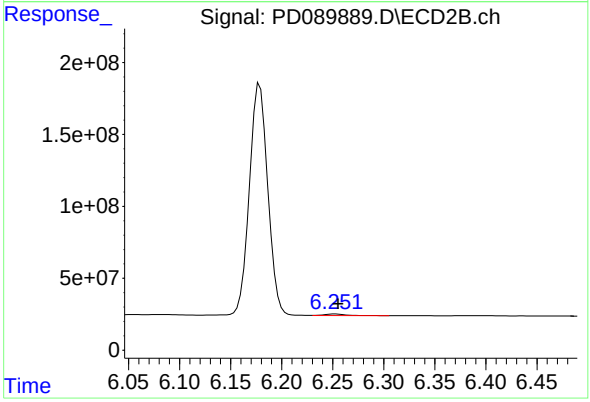
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 2023846116
Conc: 110.16 ng/ml



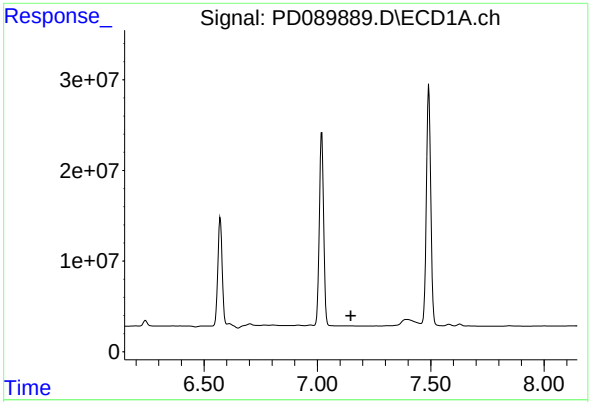
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 939247
Conc: 0.38 ng/ml



#18 Endrin aldehyde

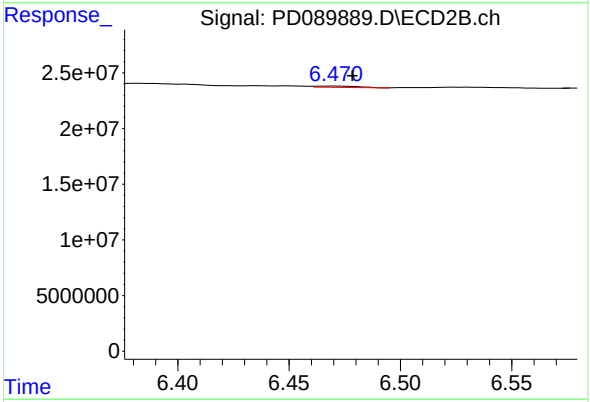
R.T.: 6.253 min
Delta R.T.: -0.003 min
Response: 13738565
Conc: 1.06 ng/ml



#19 Endosulfan Sulfate

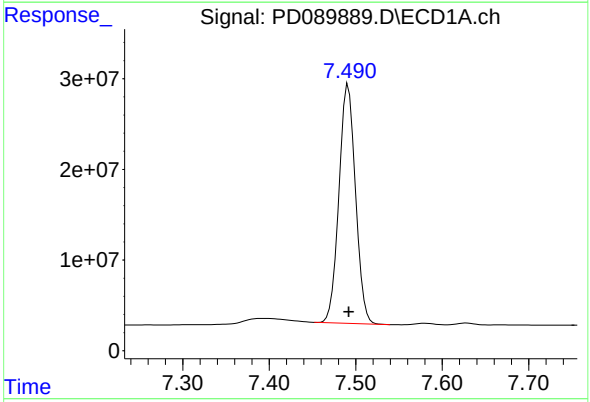
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



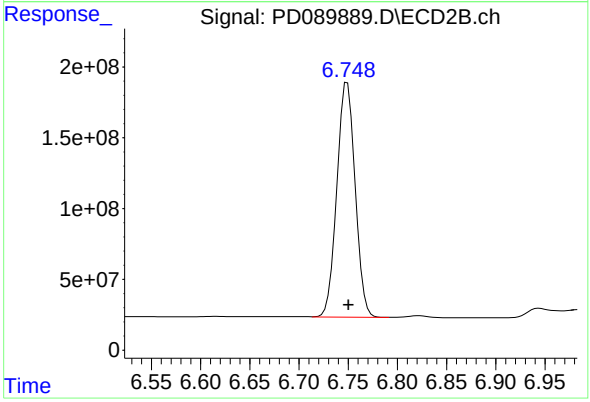
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.007 min
Response: 1496799
Conc: 0.08 ng/ml



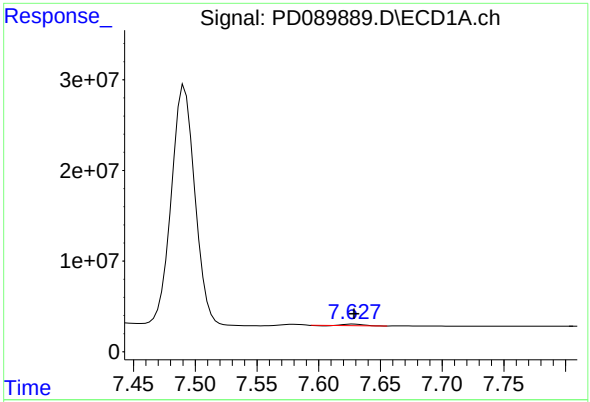
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 347957384
Conc: 194.61 ng/ml



#20 Methoxychlor

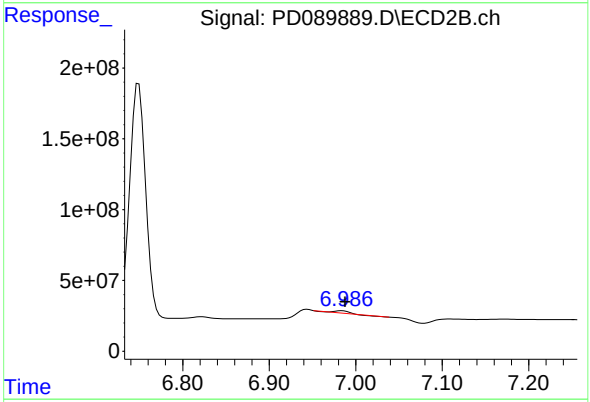
R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 2147328721
Conc: 219.22 ng/ml



#21 Endrin ketone

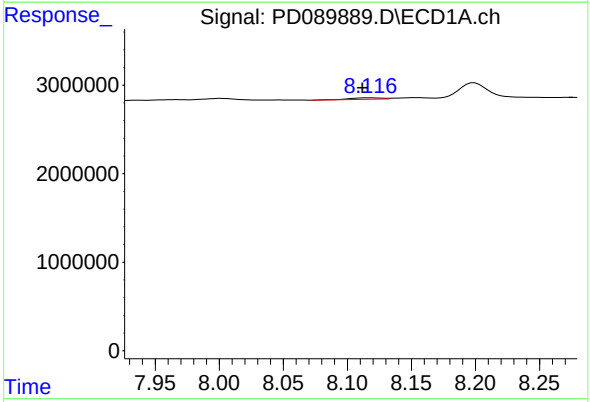
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 1629300
Conc: 0.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



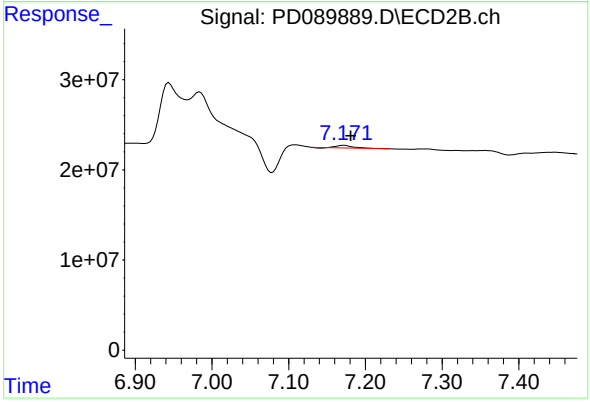
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.004 min
Response: 9813797
Conc: 0.49 ng/ml



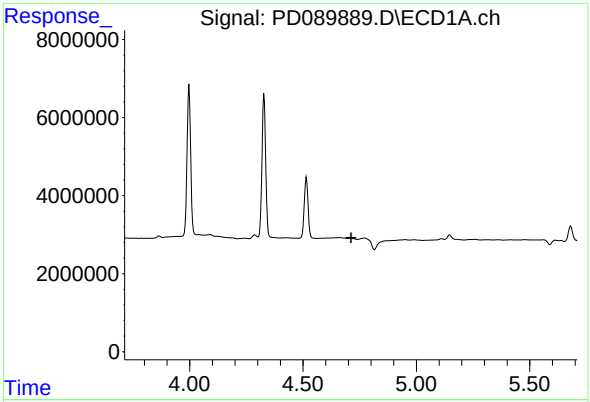
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.006 min
Response: 265729
Conc: 0.10 ng/ml



#22 Mirex

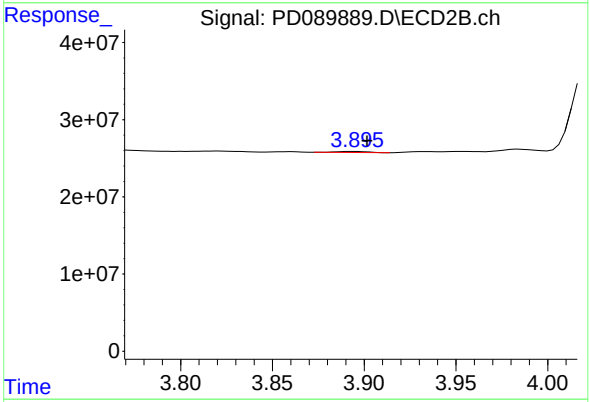
R.T.: 7.173 min
Delta R.T.: -0.009 min
Response: 4316675
Conc: 0.28 ng/ml



#23 Chlordane-1

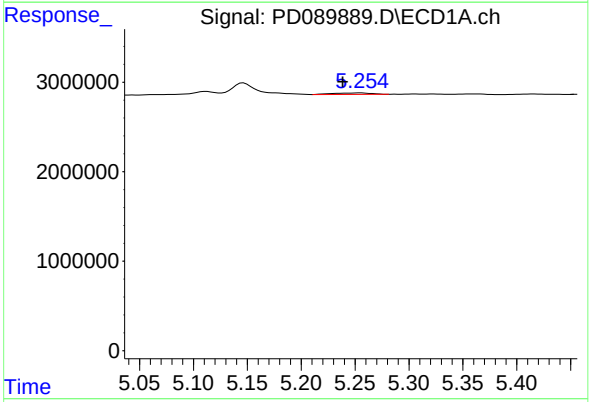
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



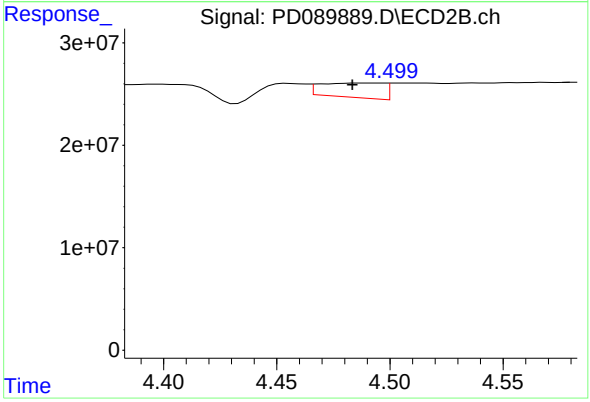
#23 Chlordane-1

R.T.: 3.895 min
Delta R.T.: -0.006 min
Response: 1580289
Conc: 2.16 ng/ml



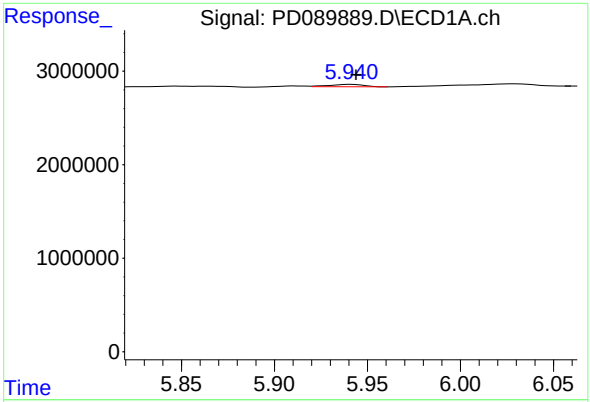
#24 Chlordane-2

R.T.: 5.255 min
Delta R.T.: 0.017 min
Response: 398695
Conc: 2.35 ng/ml



#24 Chlordane-2

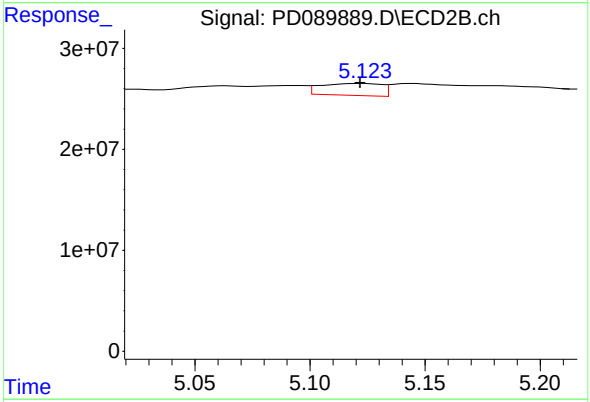
R.T.: 4.494 min
Delta R.T.: 0.010 min
Response: 27354322
Conc: 35.79 ng/ml



#25 Chlordane-3

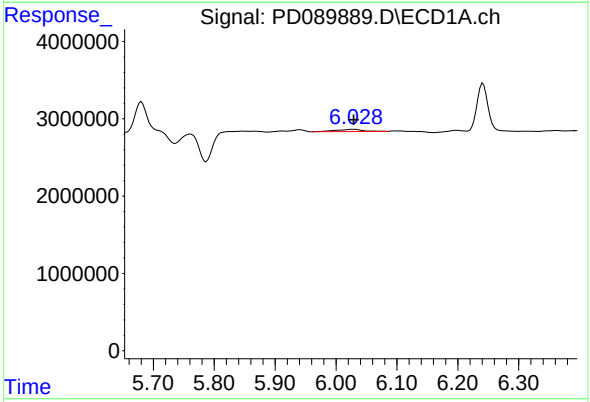
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 322783
Conc: 0.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



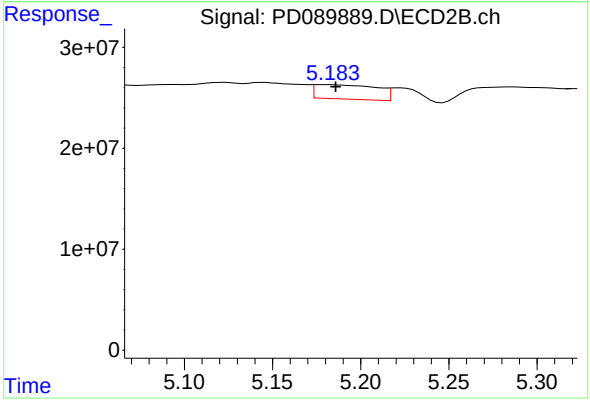
#25 Chlordane-3

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 21853430
Conc: 9.44 ng/ml



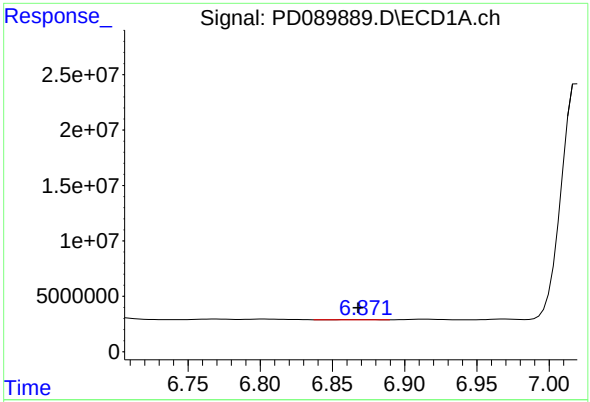
#26 Chlordane-4

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 876638
Conc: 1.05 ng/ml



#26 Chlordane-4

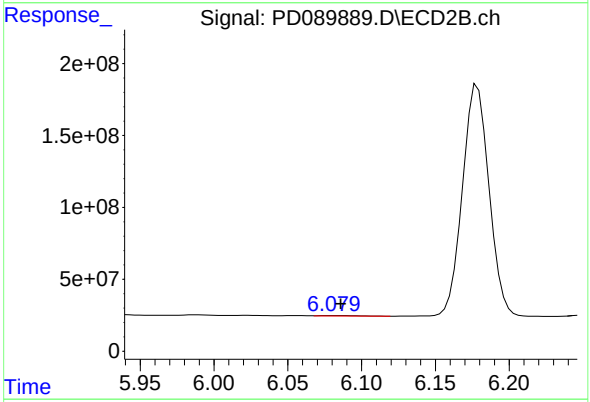
R.T.: 5.182 min
Delta R.T.: -0.004 min
Response: 34791548
Conc: 17.49 ng/ml



#27 Chlordane-5

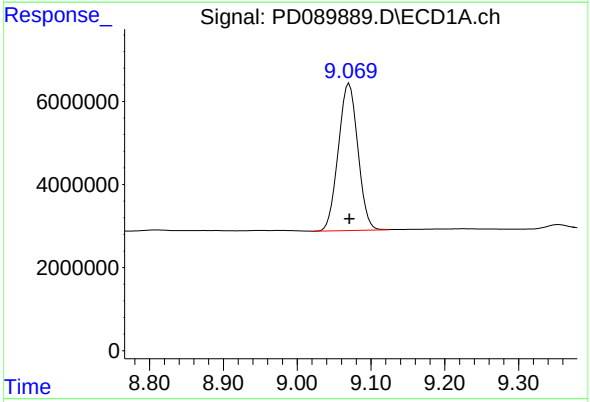
R.T.: 6.872 min
Delta R.T.: 0.004 min
Response: 145234
Conc: 1.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



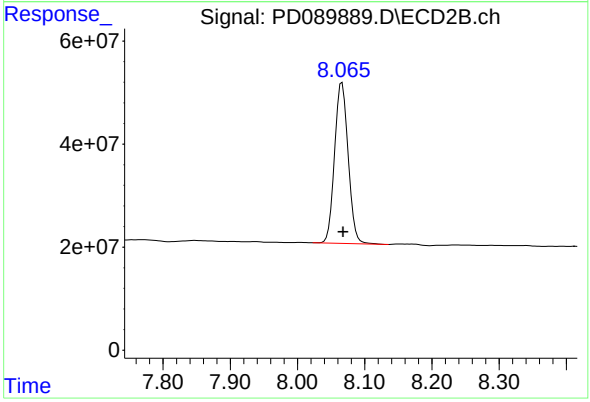
#27 Chlordane-5

R.T.: 6.080 min
Delta R.T.: -0.005 min
Response: 4650899
Conc: 5.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 65193590
Conc: 17.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 436157332
Conc: 21.72 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:55:14 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...	3.554	2.878	114.9E6	902.0E6	46.570	56.955	
28)	SA Decachlor...	9.077	8.069	160.1E6	1043.0E6	43.088	51.946	
	Target Compounds							
2)	A alpha-BHC	4.004	3.390	240.5E6	1415.0E6	48.553	58.219	
3)	MA gamma-BHC...	4.335	3.727	230.8E6	1297.4E6	48.559	57.601	
4)	MA Heptachlor	4.934	4.080	227.1E6	1303.3E6	47.197	56.154	
5)	MB Aldrin	5.275	4.366	216.6E6	1284.7E6	47.444	57.739	
6)	B beta-BHC	4.521	4.023	89205617	552.1E6	48.358	57.221	
7)	B delta-BHC	4.770	4.260	216.2E6	1309.0E6	47.139	57.627	
8)	B Heptachlo...	5.695	4.870	193.4E6	1170.2E6	46.250	56.945	
9)	A Endosulfan I	6.078	5.245	182.4E6	1082.8E6	46.010	55.391	
10)	B gamma-Chl...	5.951	5.123	194.4E6	1256.7E6	46.508	58.035	
11)	B alpha-Chl...	6.031	5.188	194.7E6	1205.7E6	46.311	57.905	#
12)	B 4,4'-DDE	6.200	5.372	171.3E6	1219.3E6	45.926	57.686	#
13)	MA Dieldrin	6.351	5.510	193.1E6	1246.0E6	45.720	57.583	#
14)	MA Endrin	6.579	5.787	161.9E6	1150.9E6	45.254	57.760	#
15)	B Endosulfa...	6.791	6.078	163.1E6	1073.2E6	44.460	57.084	#
16)	A 4,4'-DDD	6.710	5.927	137.4E6	1020.6E6	45.873	57.882	#
17)	MA 4,4'-DDT	7.025	6.181	148.5E6	1082.4E6	44.202	58.916	#
18)	B Endrin al...	6.920	6.257	113.9E6	748.3E6	45.637	57.913	#
19)	B Endosulfa...	7.154	6.480	151.4E6	1027.6E6	43.635	55.348	#
20)	A Methoxychlor	7.498	6.751	75429833	542.7E6	42.187	55.404	#
21)	B Endrin ke...	7.635	6.990	159.7E6	1095.8E6	42.985	54.606	#
22)	Mirex	8.118	7.183	119.3E6	853.5E6	42.803	56.075	#
23)	Chlordane-1	0.000	3.900	0	387884	N.D.	0.530	#
24)	Chlordane-2	0.000	4.503	0	26513552	N.D.	34.687	#
25)	Chlordane-3	5.951	5.123	194.4E6	1256.7E6	283.399	542.998	#
26)	Chlordane-4	6.031	5.188	194.7E6	1205.7E6	232.582	606.018	#
27)	Chlordane-5	0.000	6.078	0	1073.2E6	N.D.	1186.183	#

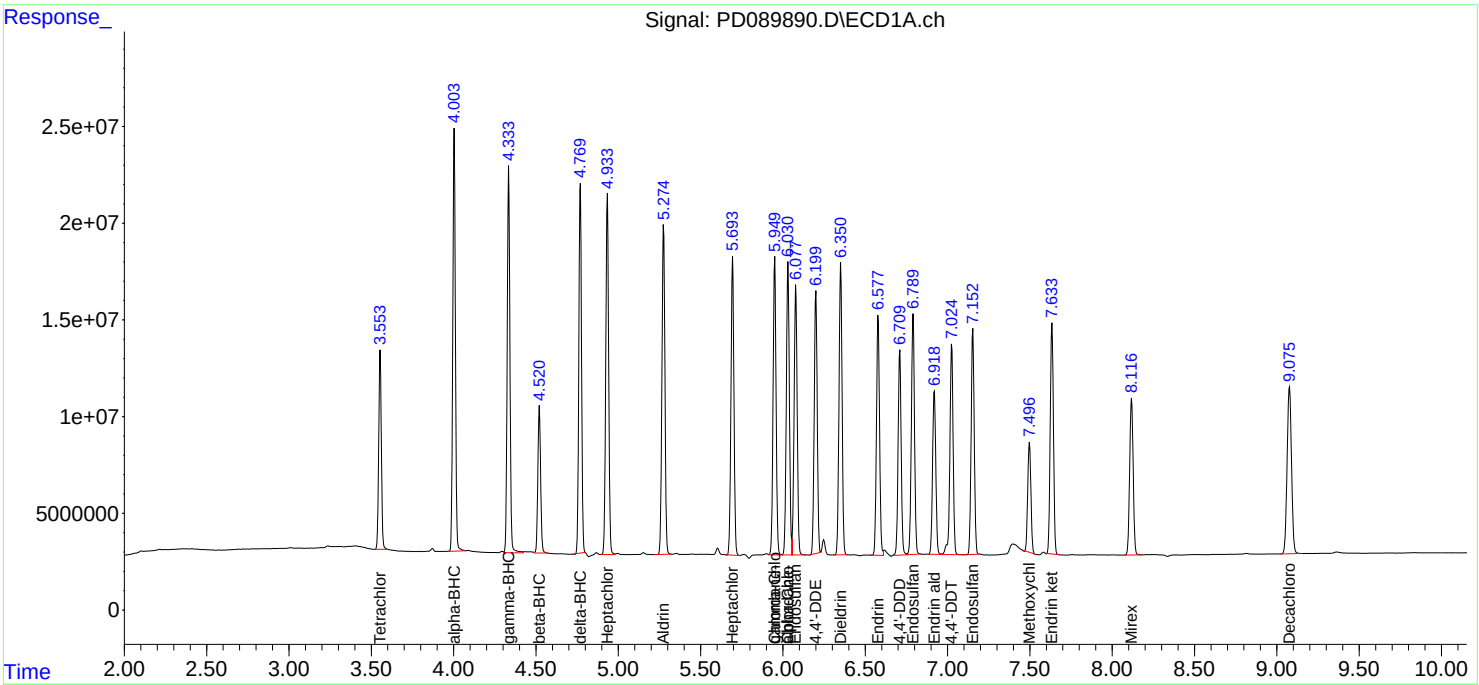
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

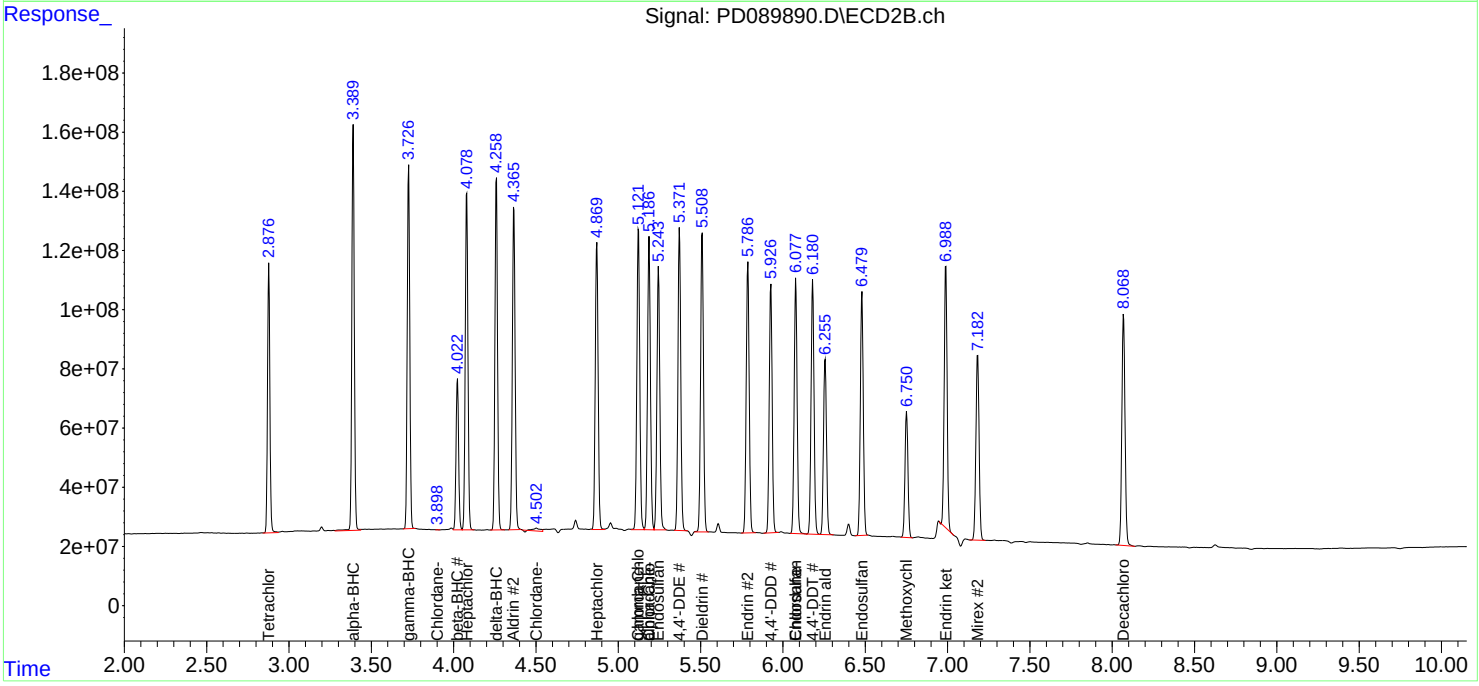
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

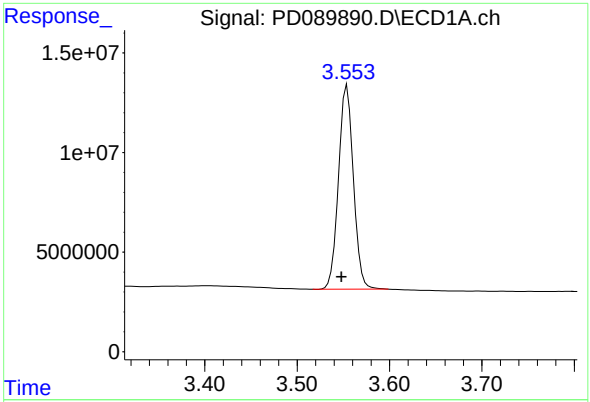
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:55:14 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



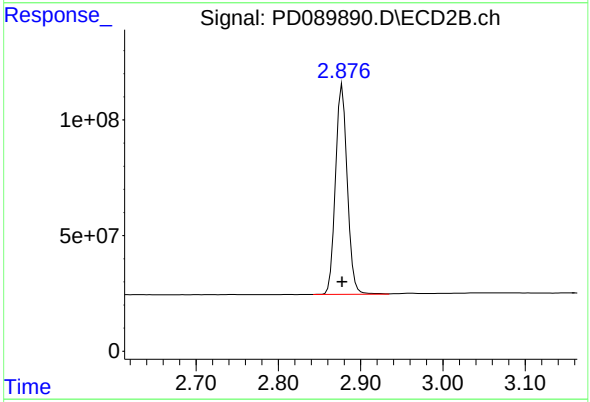




#1 Tetrachloro-m-xylene

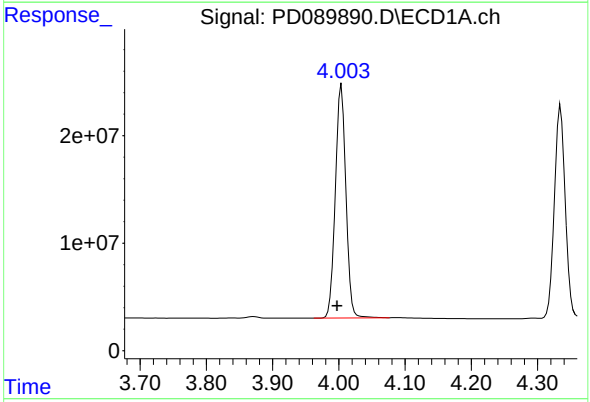
R.T.: 3.554 min
Delta R.T.: 0.006 min
Response: 114868518
Conc: 46.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



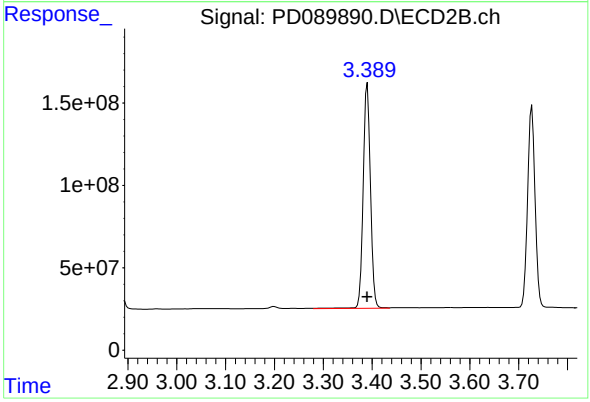
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 902049727
Conc: 56.96 ng/ml



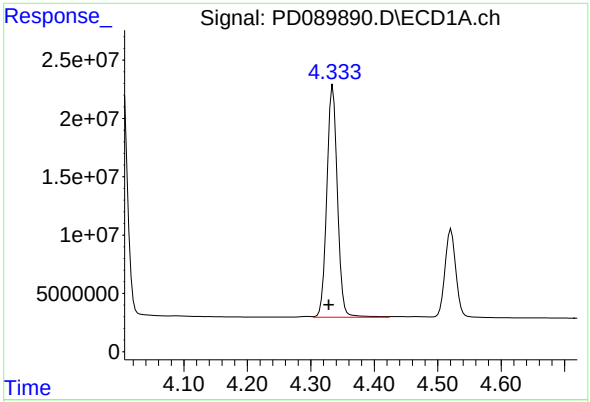
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 240510701
Conc: 48.55 ng/ml



#2 alpha-BHC

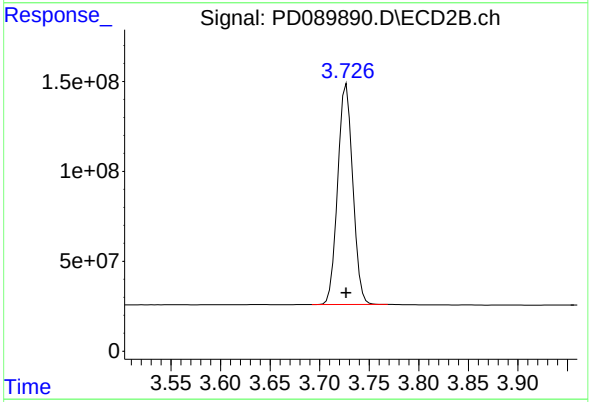
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1415000567
Conc: 58.22 ng/ml



#3 gamma-BHC (Lindane)

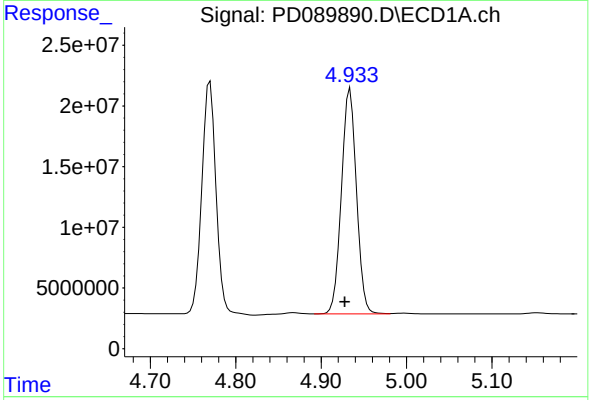
R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 230768279
Conc: 48.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



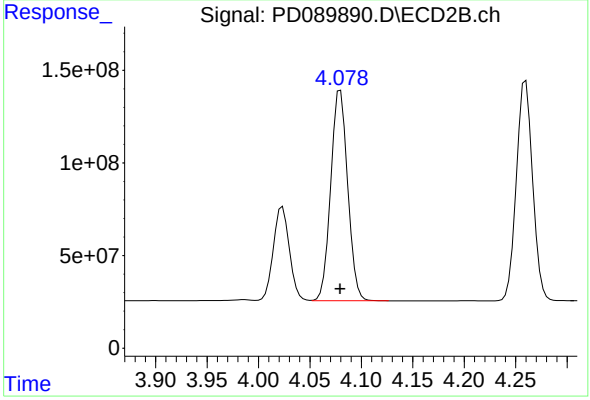
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1297401219
Conc: 57.60 ng/ml



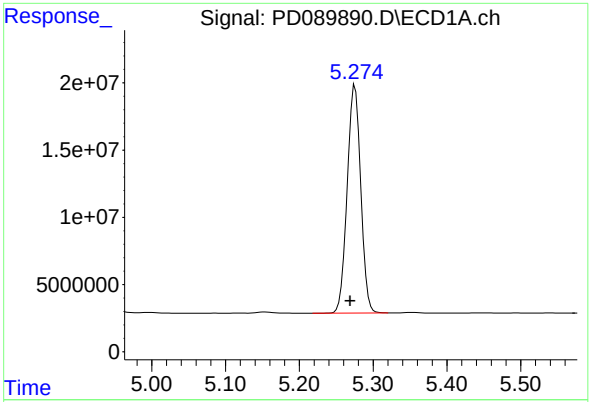
#4 Heptachlor

R.T.: 4.934 min
Delta R.T.: 0.006 min
Response: 227091128
Conc: 47.20 ng/ml



#4 Heptachlor

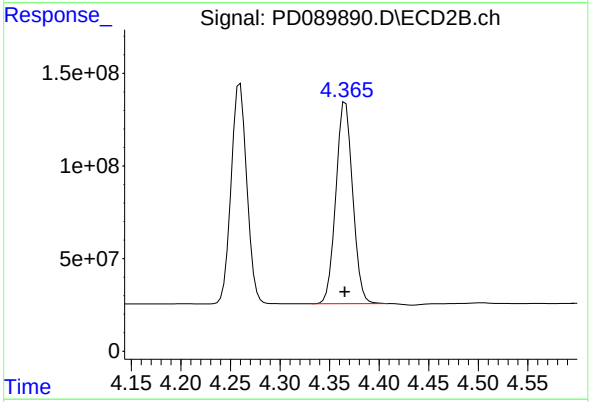
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1303279629
Conc: 56.15 ng/ml



#5 Aldrin

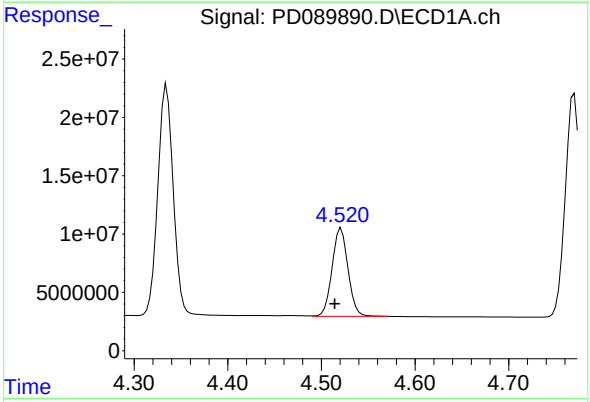
R.T.: 5.275 min
Delta R.T.: 0.007 min
Response: 216575845
Conc: 47.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



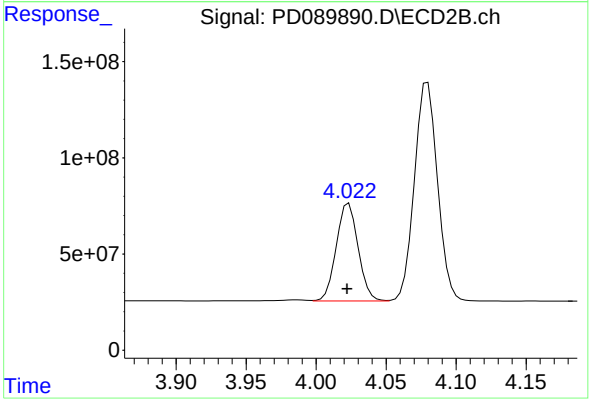
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1284738599
Conc: 57.74 ng/ml



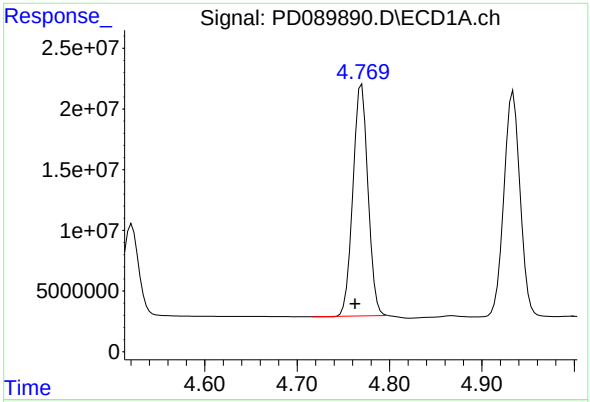
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 89205617
Conc: 48.36 ng/ml



#6 beta-BHC

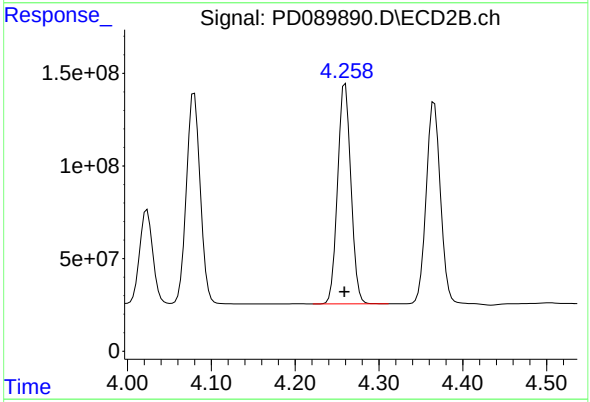
R.T.: 4.023 min
Delta R.T.: 0.001 min
Response: 552126073
Conc: 57.22 ng/ml



#7 delta-BHC

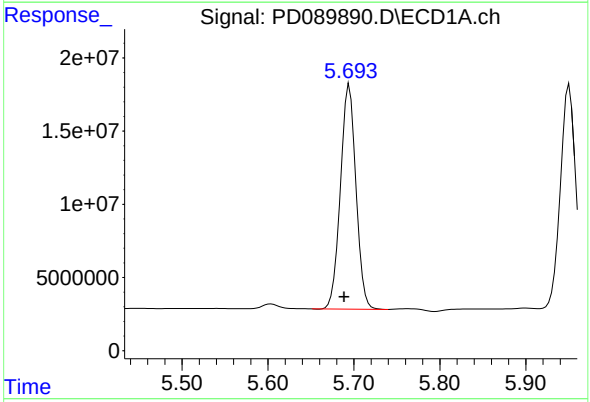
R.T.: 4.770 min
Delta R.T.: 0.007 min
Response: 216190708
Conc: 47.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



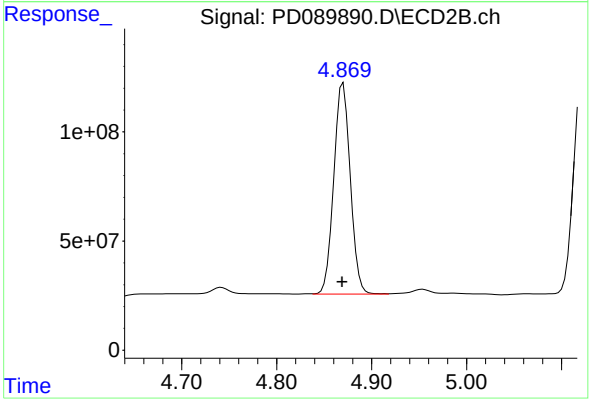
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1309007233
Conc: 57.63 ng/ml



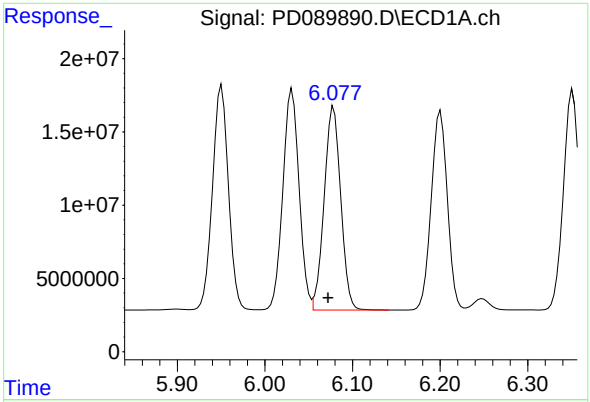
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.006 min
Response: 193359397
Conc: 46.25 ng/ml



#8 Heptachlor epoxide

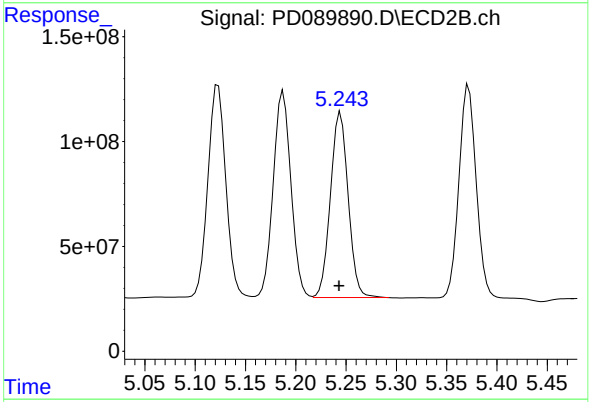
R.T.: 4.870 min
Delta R.T.: 0.001 min
Response: 1170203771
Conc: 56.94 ng/ml



#9 Endosulfan I

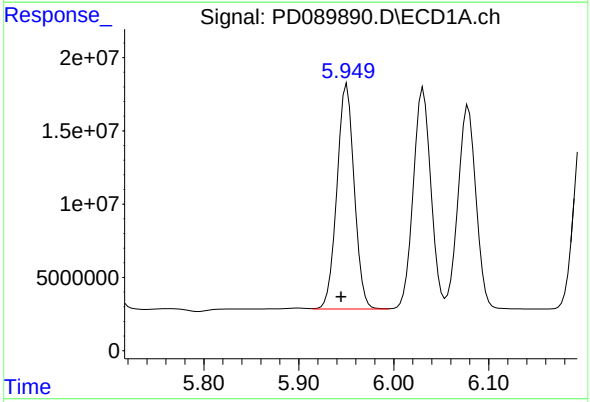
R.T.: 6.078 min
Delta R.T.: 0.006 min
Response: 182364661
Conc: 46.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



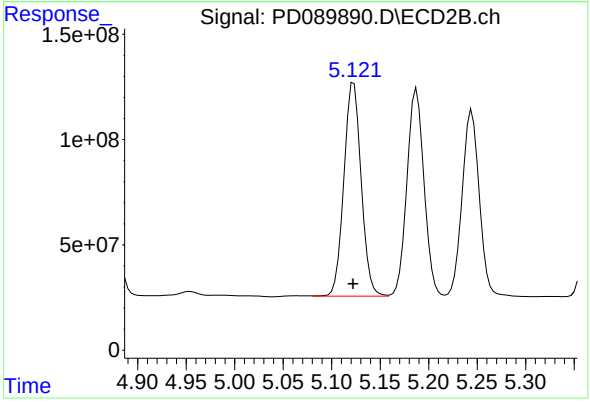
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.001 min
Response: 1082797982
Conc: 55.39 ng/ml



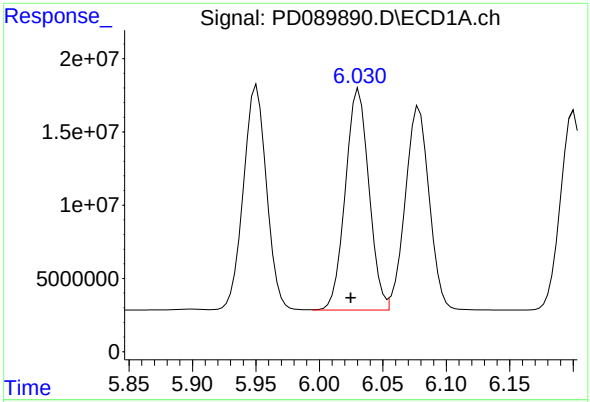
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.006 min
Response: 194362353
Conc: 46.51 ng/ml



#10 gamma-Chlordane

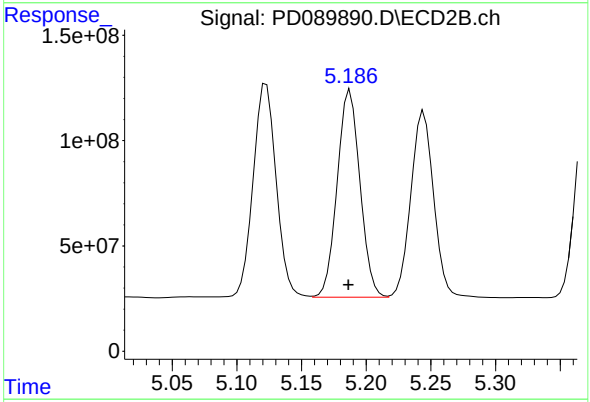
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1256650780
Conc: 58.03 ng/ml



#11 alpha-Chlordane

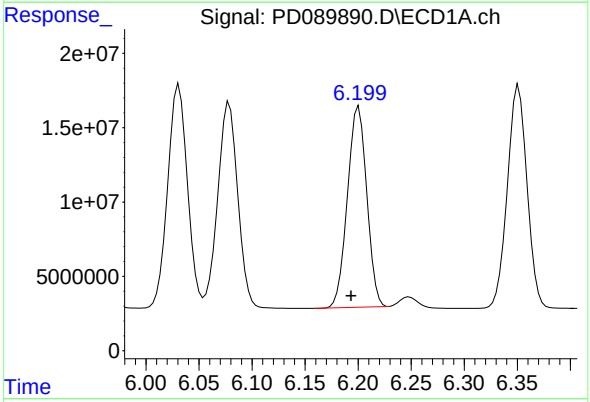
R.T.: 6.031 min
Delta R.T.: 0.006 min
Response: 194698420
Conc: 46.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



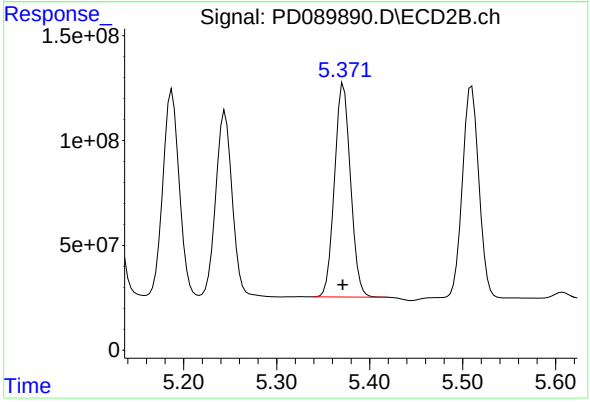
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.001 min
Response: 1205694407
Conc: 57.90 ng/ml



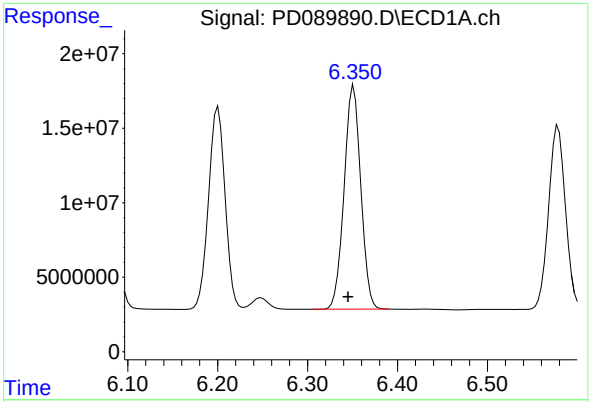
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.007 min
Response: 171293791
Conc: 45.93 ng/ml



#12 4,4'-DDE

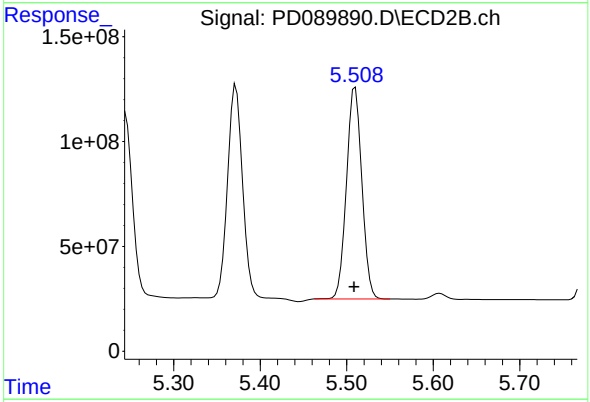
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1219316866
Conc: 57.69 ng/ml



#13 Dieldrin

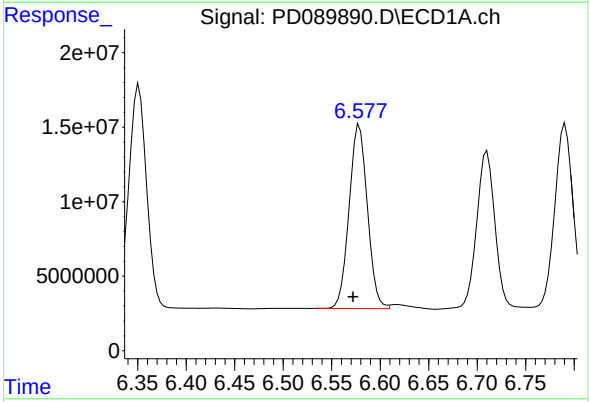
R.T.: 6.351 min
Delta R.T.: 0.006 min
Response: 193093343
Conc: 45.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



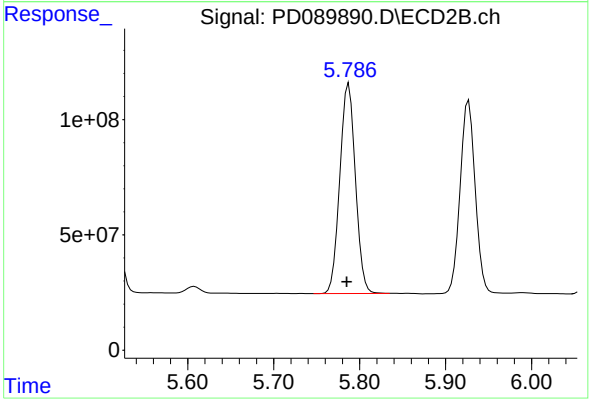
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.001 min
Response: 1246043382
Conc: 57.58 ng/ml



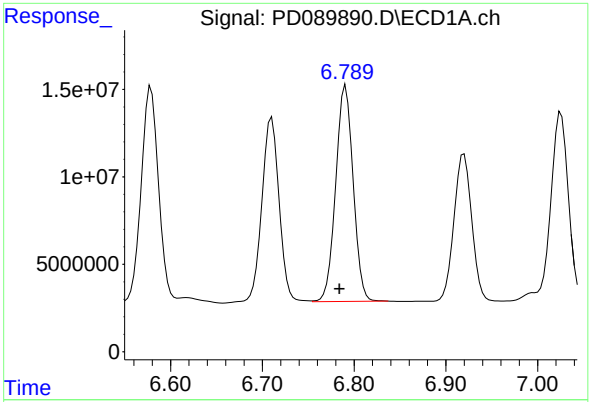
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.006 min
Response: 161905989
Conc: 45.25 ng/ml



#14 Endrin

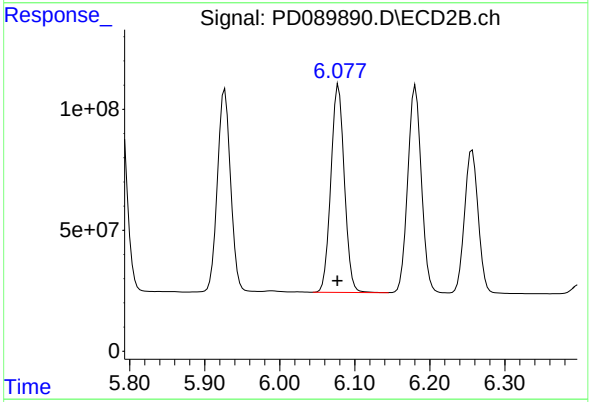
R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 1150870377
Conc: 57.76 ng/ml



#15 Endosulfan II

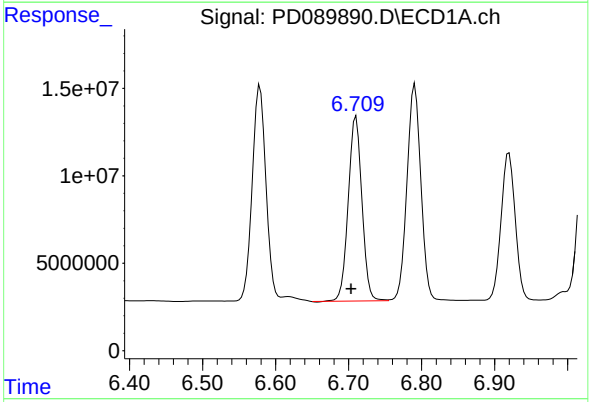
R.T.: 6.791 min
Delta R.T.: 0.007 min
Response: 163139883
Conc: 44.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



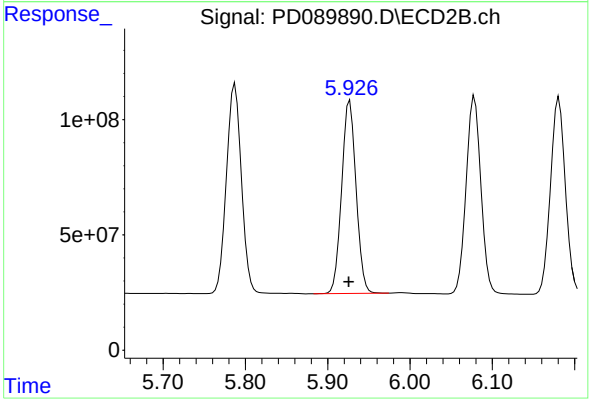
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.002 min
Response: 1073157226
Conc: 57.08 ng/ml



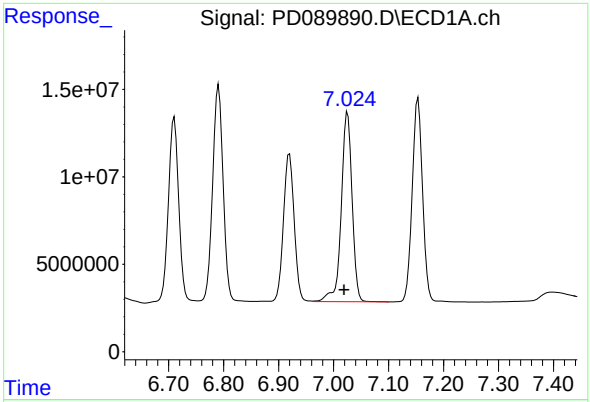
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.007 min
Response: 137381100
Conc: 45.87 ng/ml



#16 4,4'-DDD

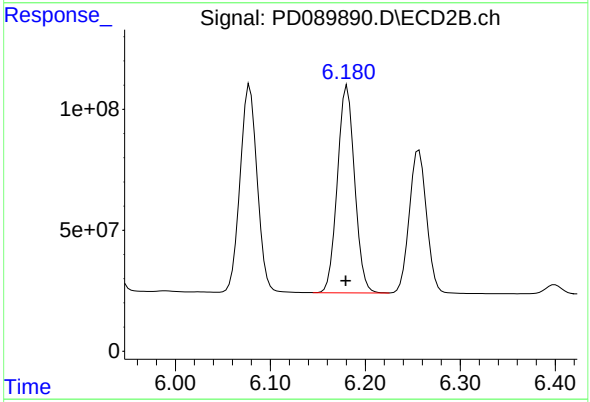
R.T.: 5.927 min
Delta R.T.: 0.001 min
Response: 1020607945
Conc: 57.88 ng/ml



#17 4,4'-DDT

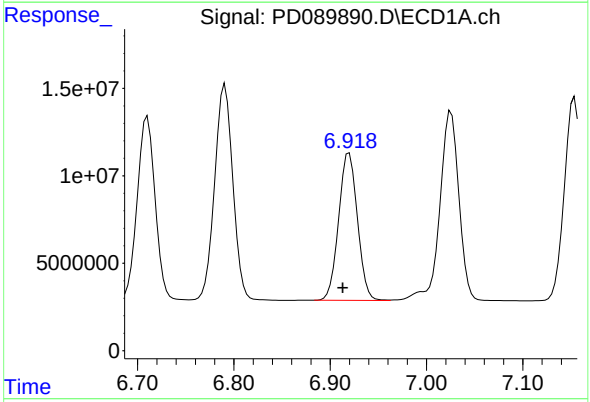
R.T.: 7.025 min
Delta R.T.: 0.006 min
Response: 148528557
Conc: 44.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



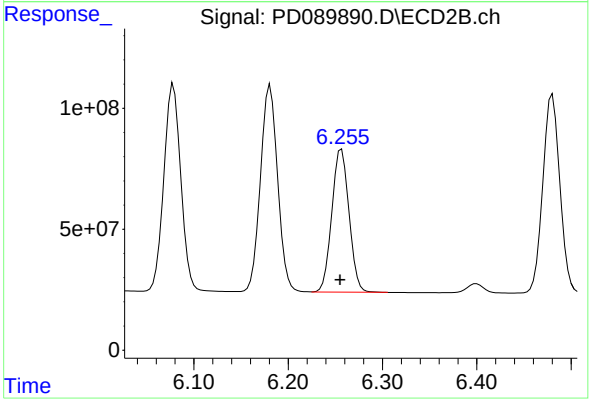
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.002 min
Response: 1082440204
Conc: 58.92 ng/ml



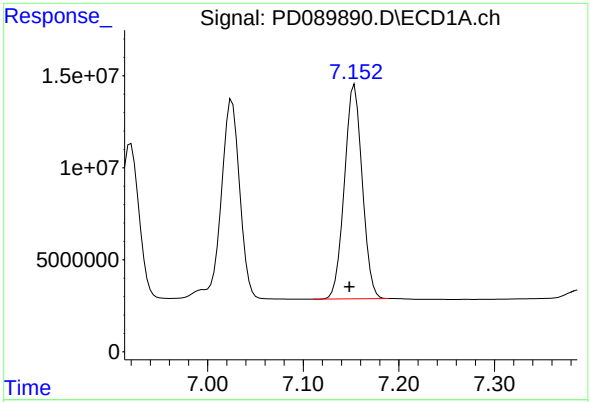
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.007 min
Response: 113890492
Conc: 45.64 ng/ml



#18 Endrin aldehyde

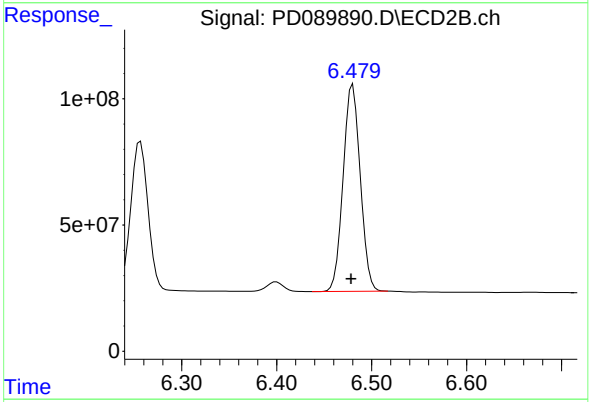
R.T.: 6.257 min
Delta R.T.: 0.001 min
Response: 748265394
Conc: 57.91 ng/ml



#19 Endosulfan Sulfate

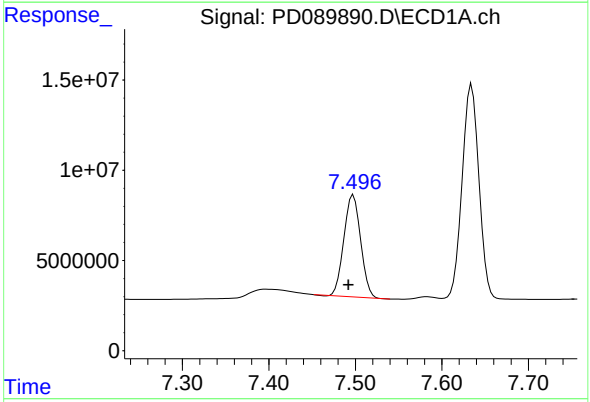
R.T.: 7.154 min
Delta R.T.: 0.006 min
Response: 151417280
Conc: 43.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



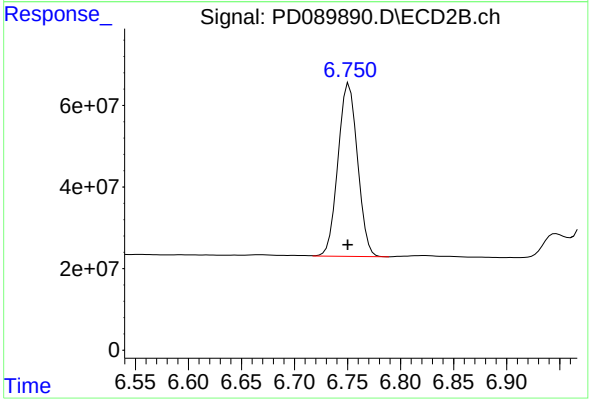
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.002 min
Response: 1027577254
Conc: 55.35 ng/ml



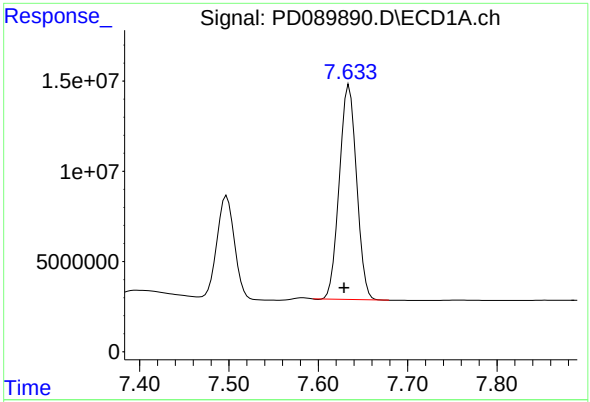
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.006 min
Response: 75429833
Conc: 42.19 ng/ml



#20 Methoxychlor

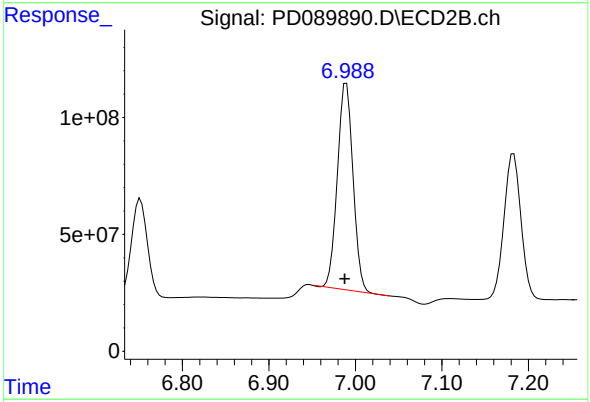
R.T.: 6.751 min
Delta R.T.: 0.001 min
Response: 542707776
Conc: 55.40 ng/ml



#21 Endrin ketone

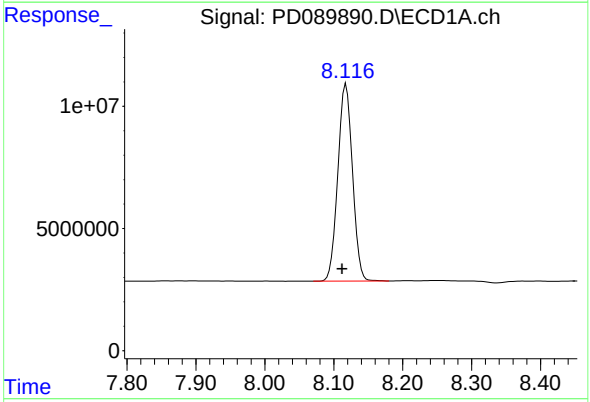
R.T.: 7.635 min
Delta R.T.: 0.006 min
Response: 159654414
Conc: 42.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



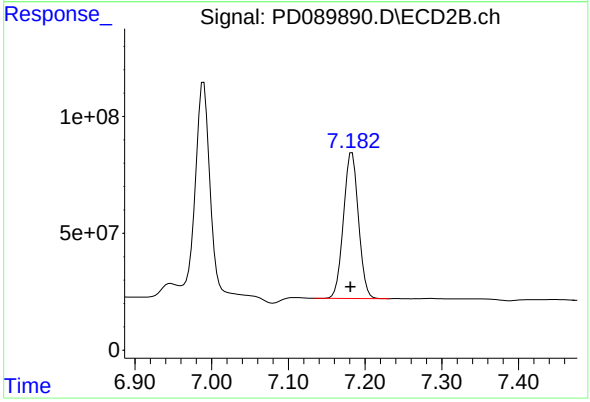
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: 0.002 min
Response: 1095844755
Conc: 54.61 ng/ml



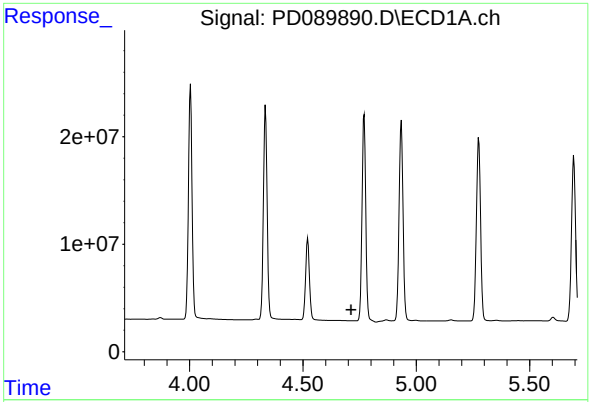
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.006 min
Response: 119348832
Conc: 42.80 ng/ml



#22 Mirex

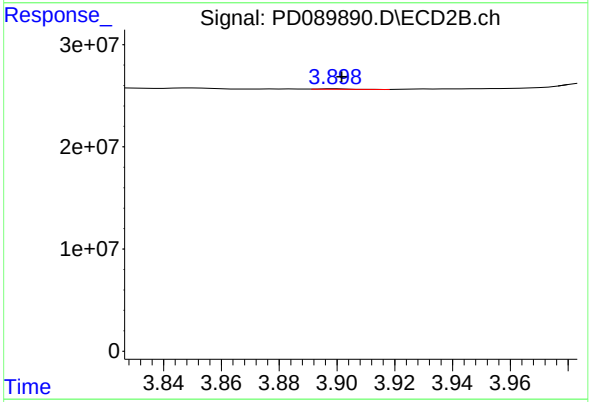
R.T.: 7.183 min
Delta R.T.: 0.002 min
Response: 853518154
Conc: 56.07 ng/ml



#23 Chlordane-1

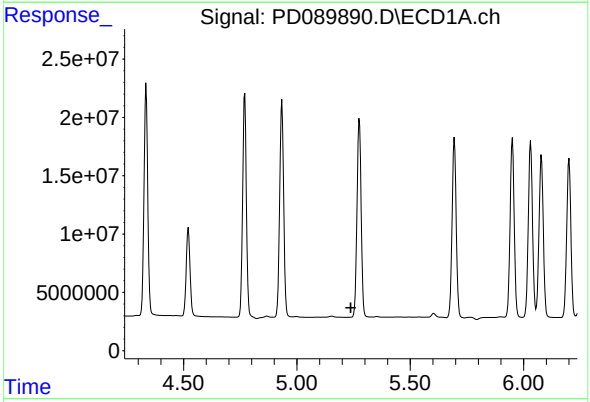
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



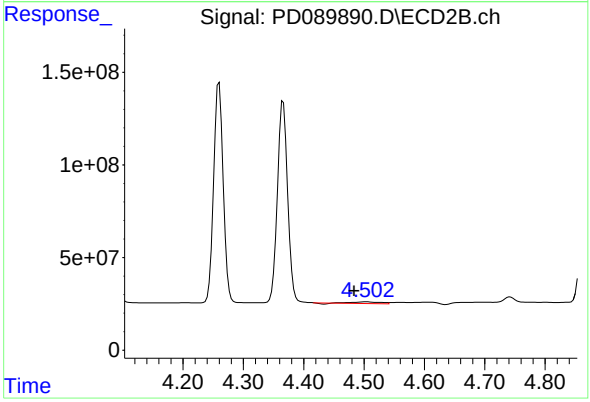
#23 Chlordane-1

R.T.: 3.900 min
Delta R.T.: -0.002 min
Response: 387884
Conc: 0.53 ng/ml



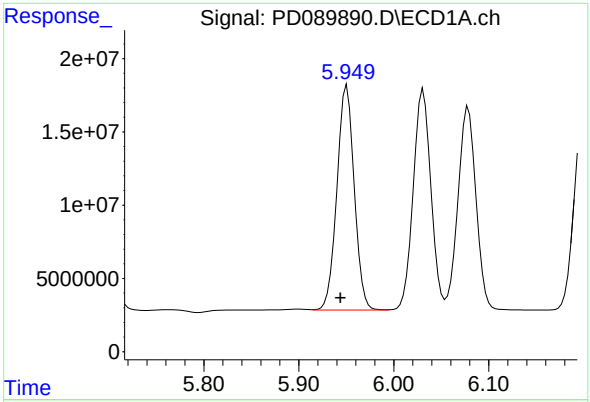
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.238 min
Response: 0
Conc: N.D.



#24 Chlordane-2

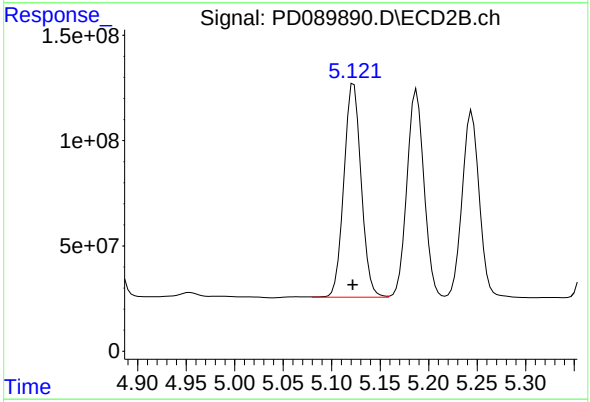
R.T.: 4.503 min
Delta R.T.: 0.020 min
Response: 26513552
Conc: 34.69 ng/ml



#25 Chlordane-3

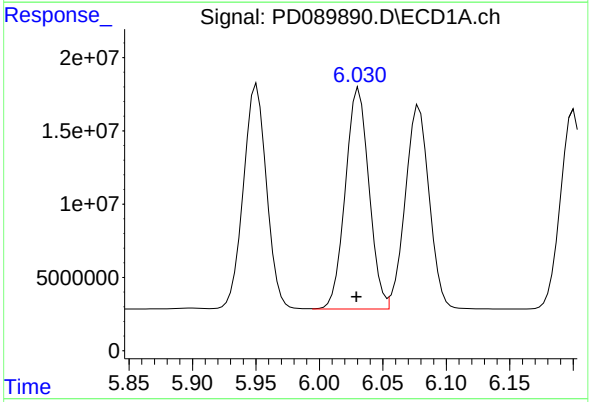
R.T.: 5.951 min
Delta R.T.: 0.007 min
Response: 194362353
Conc: 283.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



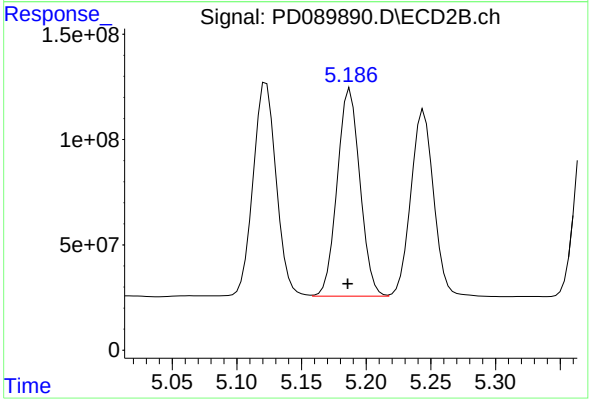
#25 Chlordane-3

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1256650780
Conc: 543.00 ng/ml



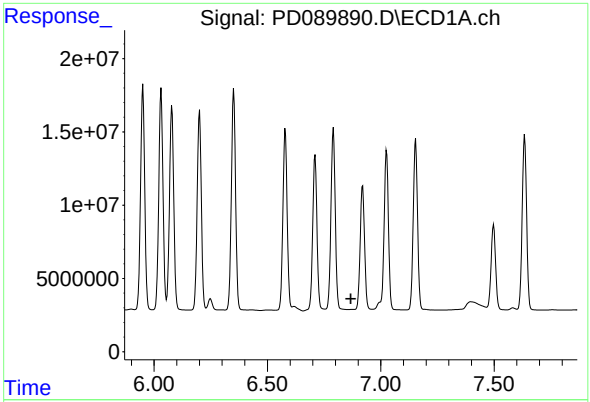
#26 Chlordane-4

R.T.: 6.031 min
Delta R.T.: 0.002 min
Response: 194698420
Conc: 232.58 ng/ml



#26 Chlordane-4

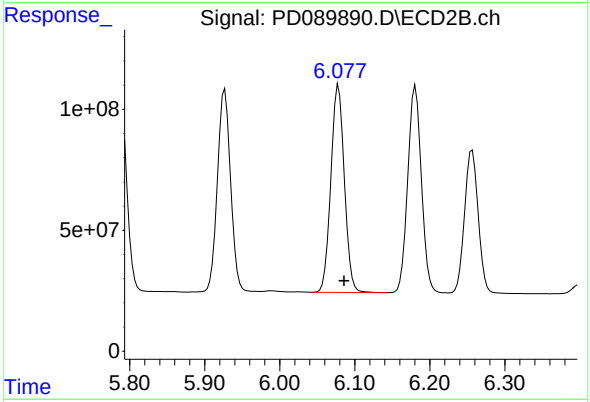
R.T.: 5.188 min
Delta R.T.: 0.002 min
Response: 1205694407
Conc: 606.02 ng/ml



#27 Chlordane-5

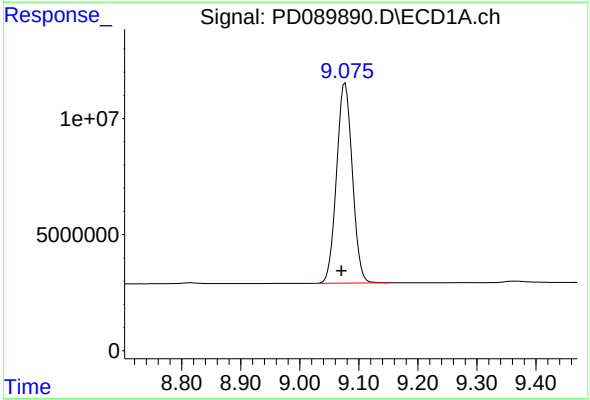
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



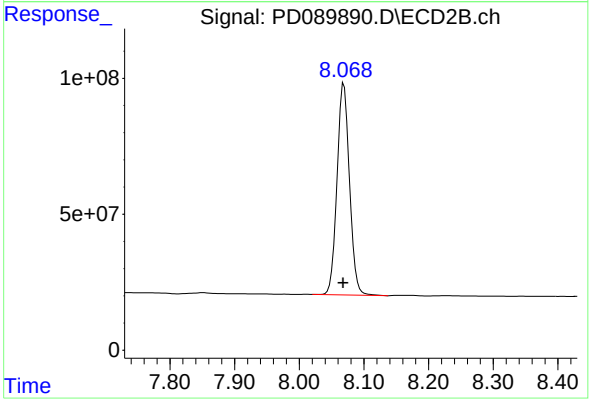
#27 Chlordane-5

R.T.: 6.078 min
Delta R.T.: -0.007 min
Response: 1073157226
Conc: 1186.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.006 min
Response: 160124803
Conc: 43.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.001 min
Response: 1042973645
Conc: 51.95 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : ECD_D
ClientSampleId : 17M-WMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 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...	3.548	2.878	42641031	672.7E6	17.287	42.476 #
28)	SA Decachlor...	9.070	8.067	45831658	355.0E6	12.333	17.684 #
	Target Compounds						
2)	A alpha-BHC	3.998	3.390	255.0E6	1593.1E6	51.475	65.545 #
3)	MA gamma-BHC...	4.329	3.727	235.3E6	1324.6E6	49.509	58.809
4)	MA Heptachlor	4.927	4.079	237.1E6	1314.7E6	49.267	56.647
5)	MB Aldrin	0.000	4.365	0	1478.0E6	N.D.	66.426 #
6)	B beta-BHC	4.515	4.023	90363742	564.7E6	48.986	58.529
7)	B delta-BHC	4.764	4.259	227.8E6	1357.5E6	49.662	59.760
8)	B Heptachlo...	5.672f	4.869	840.0E6	1660.3E6	200.919	80.794 #
9)	A Endosulfan I	6.071	5.239	196.0E6	1970.0E6	49.444	100.775 #
10)	B gamma-Chl...	5.944	5.127	3510.5E6	10951.0E6	840.029	505.743 #
11)	B alpha-Chl...	6.026	5.181	4153.1E6	12306.5E6	987.849	591.036 #
12)	B 4,4'-DDE	6.193	5.371	292.3E6	1422.5E6	78.378	67.299
13)	MA Dieldrin	6.345	5.509	220.8E6	1171.7E6	52.270	54.150
14)	MA Endrin	6.573	5.786	139.5E6	1583.4E6	38.983	79.466 #
15)	B Endosulfa...	6.785	6.084	205.4E6	4836.0E6	55.982	257.240 #
16)	A 4,4'-DDD	6.703	5.925	201.4E6	705.2E6	67.238	39.992 #
17)	MA 4,4'-DDT	7.019	6.179	204.7E6	1520.0E6	60.923	82.734 #
18)	B Endrin al...	6.914	6.255	135.6E6	758.8E6	54.336	58.725
19)	B Endosulfa...	7.149	6.478	180.6E6	1014.2E6	52.047	54.626
20)	A Methoxychlor	7.492	6.749	67095468	483.8E6	37.526	49.388 #
21)	B Endrin ke...	7.628	6.987	157.2E6	1080.7E6	42.336	53.853 #
22)	Mirex	8.112	7.181	122.6E6	799.9E6	43.967	52.554
23)	Chlordane-1	4.713	3.902	418.2E6	2246.4E6	2510.972	3071.332
24)	Chlordane-2	5.236	4.486	1033.9E6	4207.1E6	6084.496	5504.145
25)	Chlordane-3	5.944	5.127	3510.5E6	10951.0E6	5118.714	4731.922
26)	Chlordane-4	6.026	5.181	4153.1E6	12306.5E6	4961.171	6185.636
27)	Chlordane-5	6.869	6.084	647.5E6	4836.0E6	4488.642	5345.328

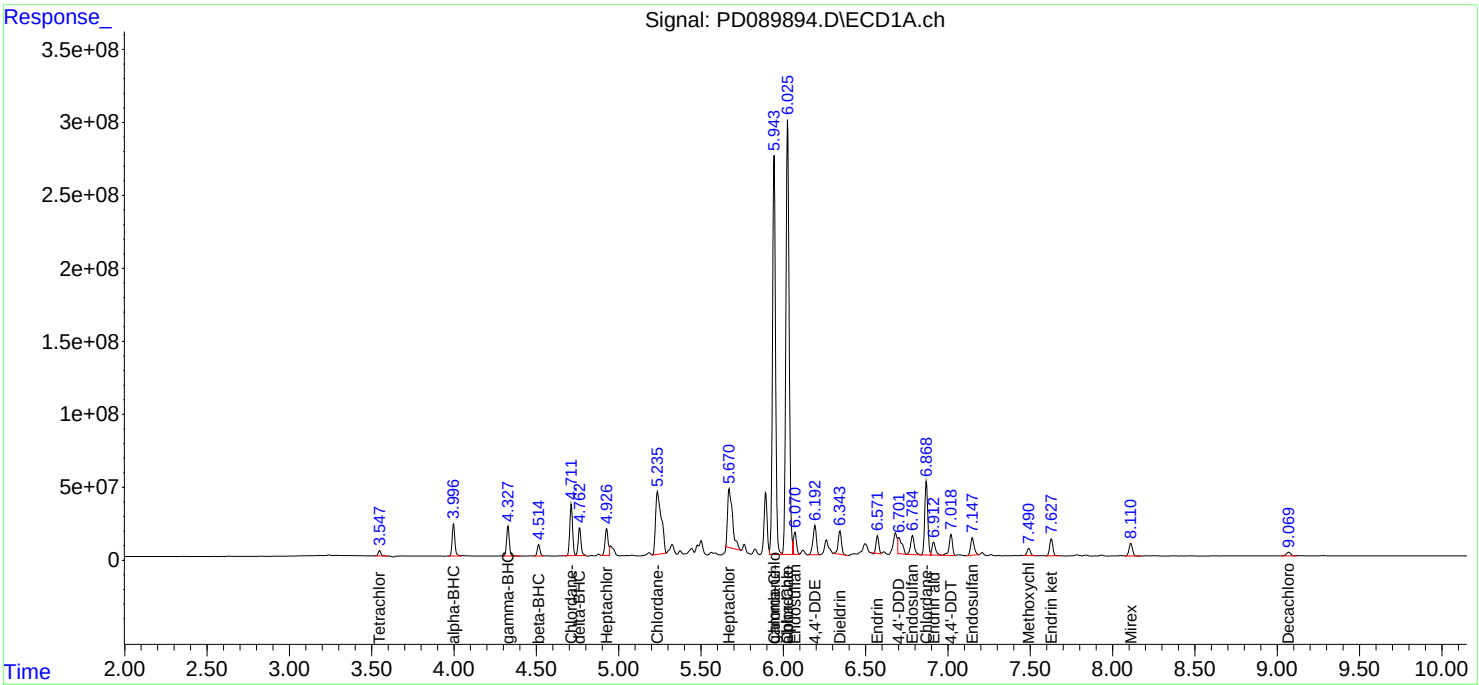
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

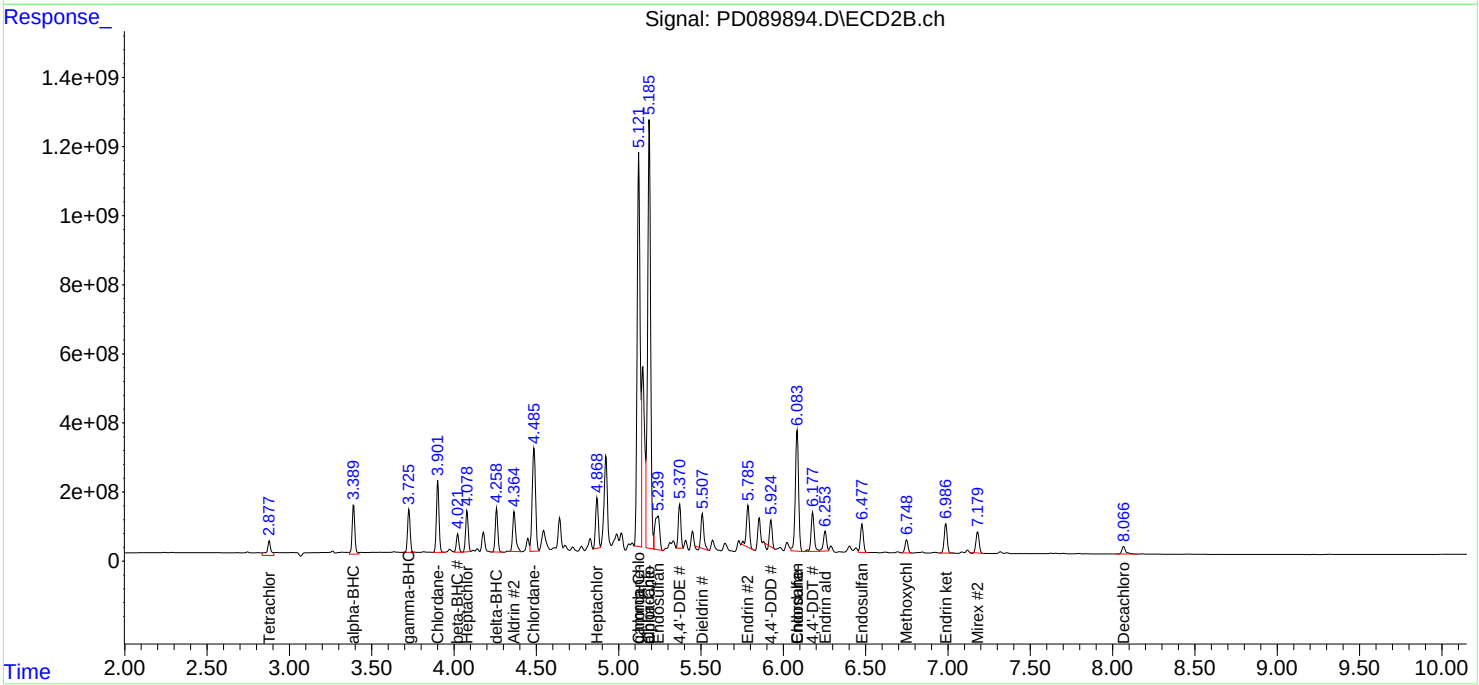
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

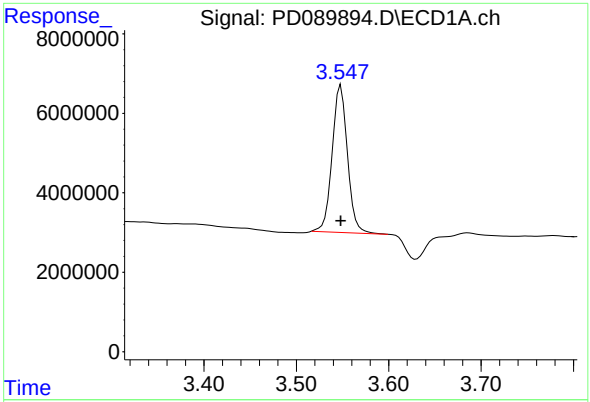
Instrument :
ECD_D
ClientSampleId :
17M-WMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 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



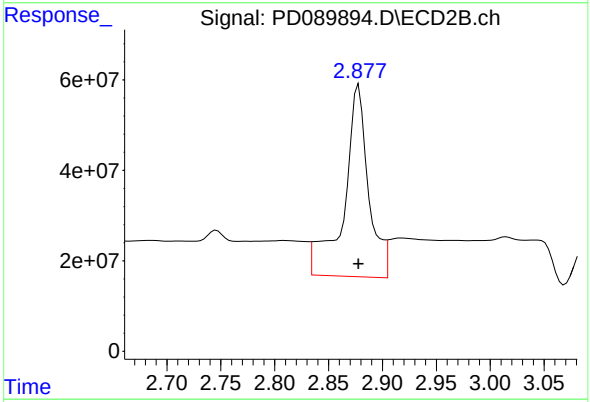




#1 Tetrachloro-m-xylene

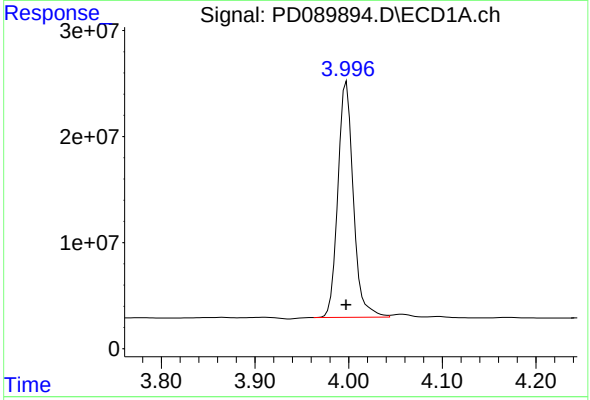
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 42641031
Conc: 17.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



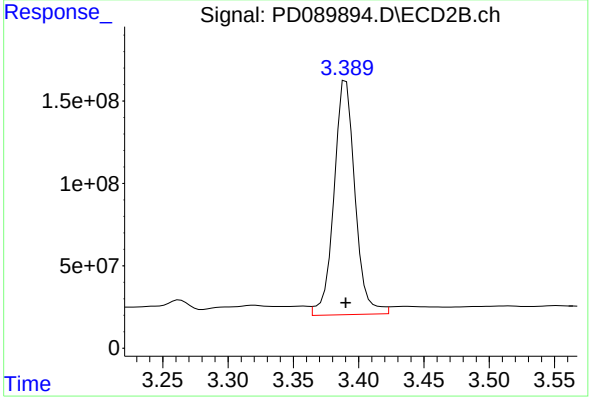
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 672736036
Conc: 42.48 ng/ml



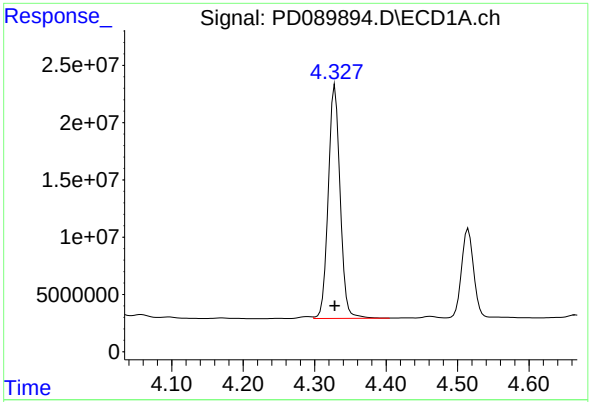
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 254981415
Conc: 51.47 ng/ml



#2 alpha-BHC

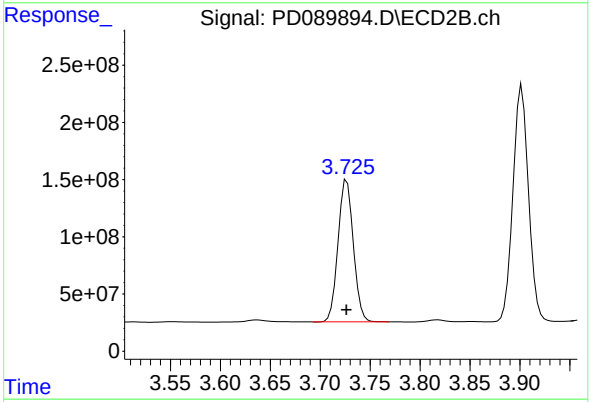
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1593072426
Conc: 65.55 ng/ml



#3 gamma-BHC (Lindane)

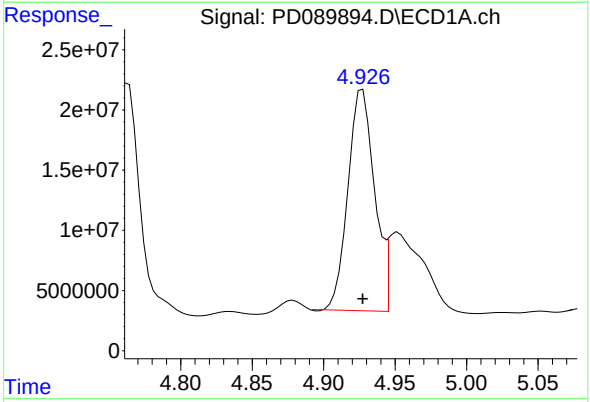
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 235282913
Conc: 49.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



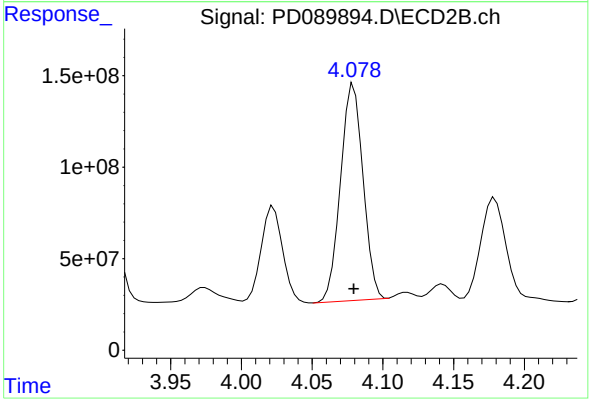
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1324623033
Conc: 58.81 ng/ml



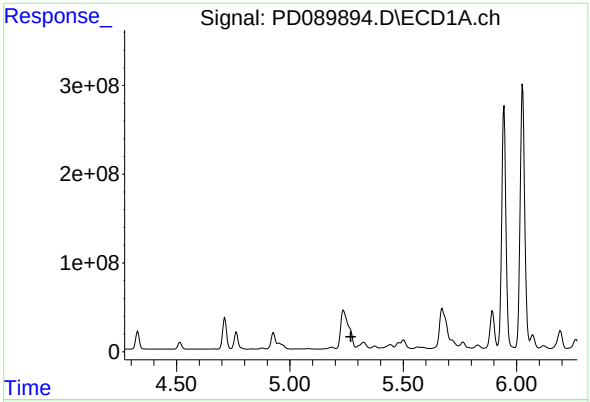
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 237051619
Conc: 49.27 ng/ml



#4 Heptachlor

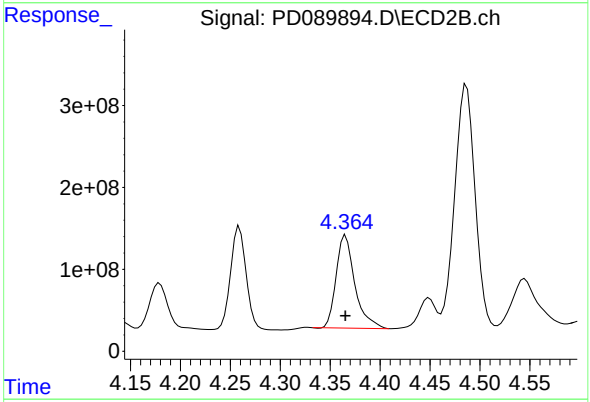
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1314734892
Conc: 56.65 ng/ml



#5 Aldrin

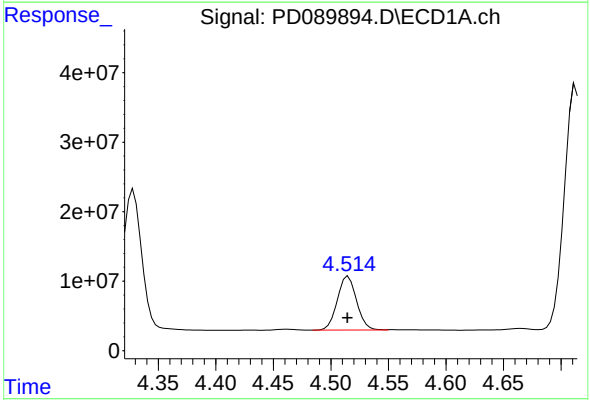
R.T.: 0.000 min
Exp R.T. : 5.269 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
17M-WMS



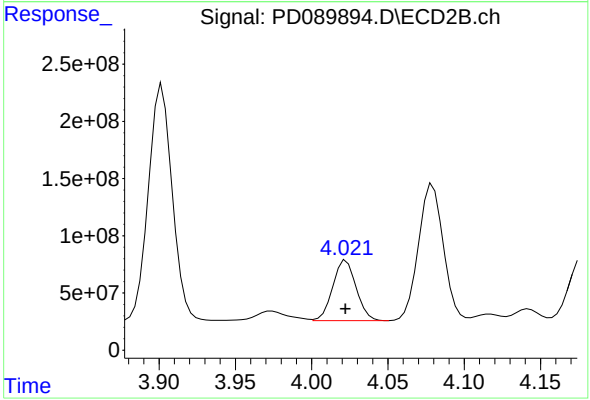
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1478030354
Conc: 66.43 ng/ml



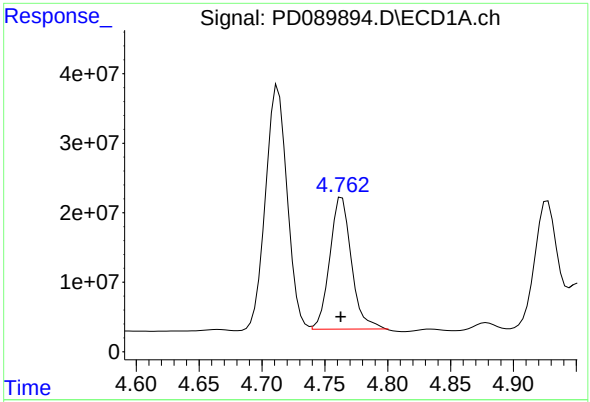
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 90363742
Conc: 48.99 ng/ml



#6 beta-BHC

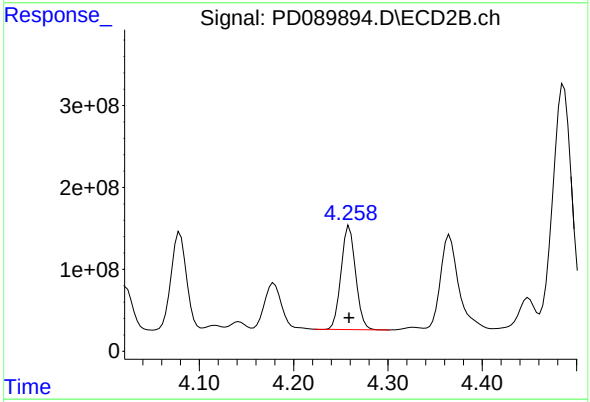
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 564746511
Conc: 58.53 ng/ml



#7 delta-BHC

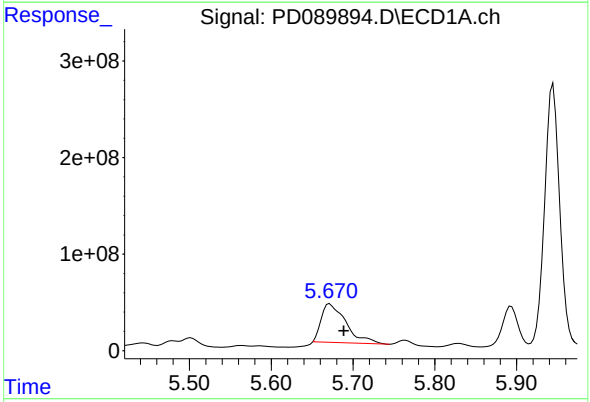
R.T.: 4.764 min
Delta R.T.: 0.001 min
Response: 227761305
Conc: 49.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



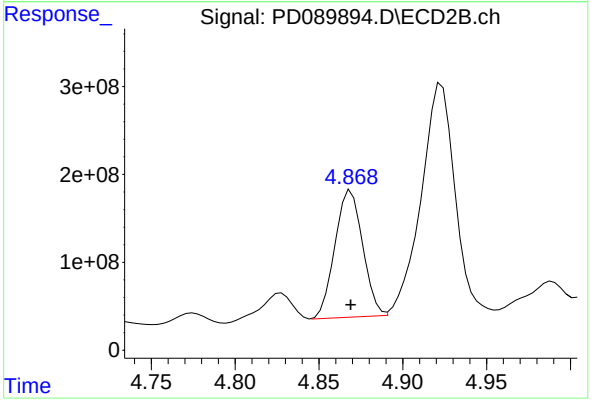
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1357460654
Conc: 59.76 ng/ml



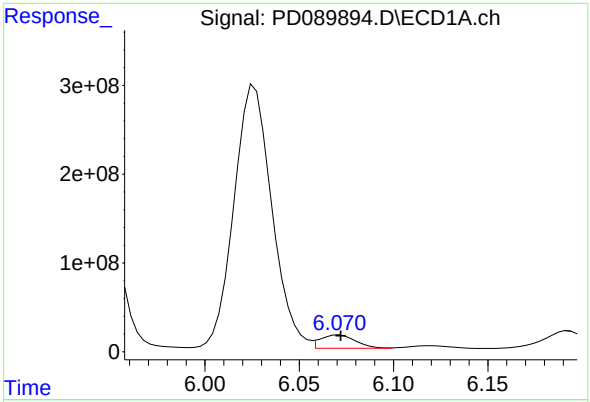
#8 Heptachlor epoxide

R.T.: 5.672 min
Delta R.T.: -0.017 min
Response: 839985624
Conc: 200.92 ng/ml



#8 Heptachlor epoxide

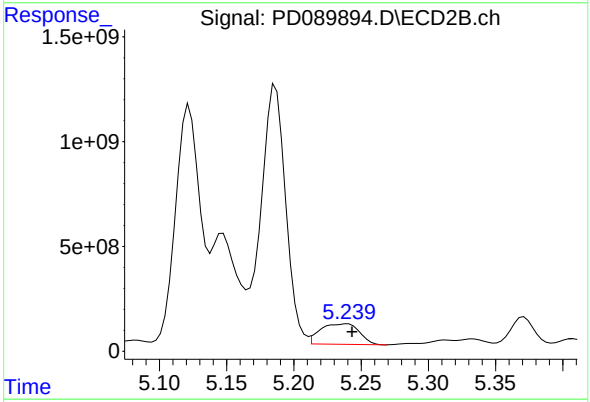
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1660309553
Conc: 80.79 ng/ml



#9 Endosulfan I

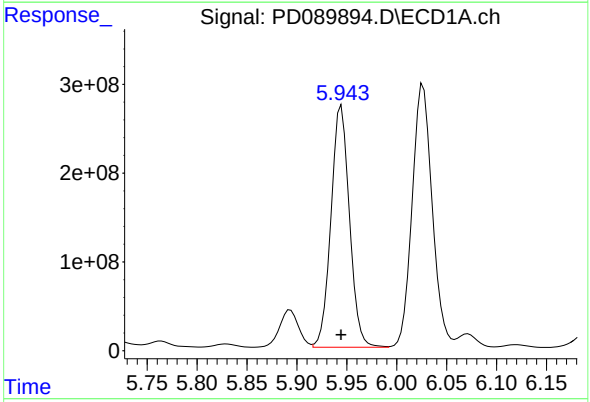
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 195976390
Conc: 49.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



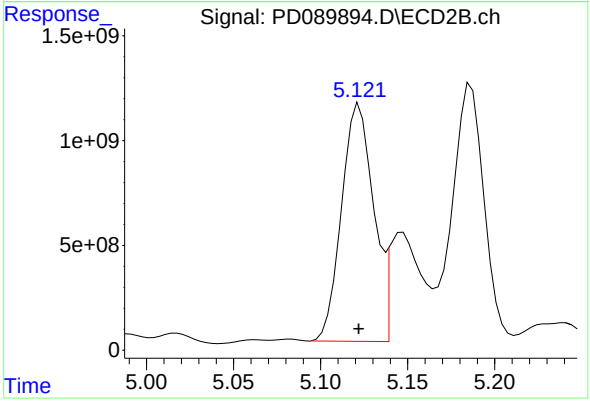
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.004 min
Response: 1969993496
Conc: 100.78 ng/ml



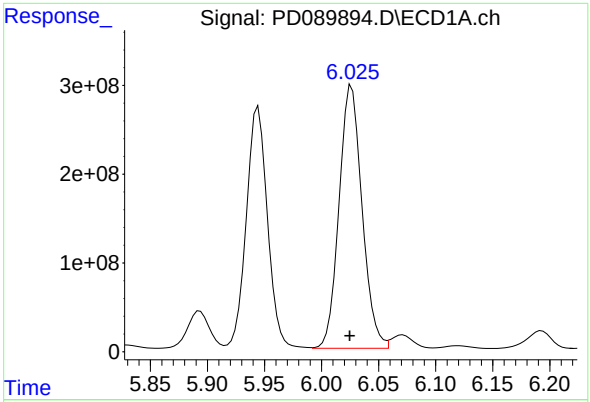
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 3510548128
Conc: 840.03 ng/ml



#10 gamma-Chlordane

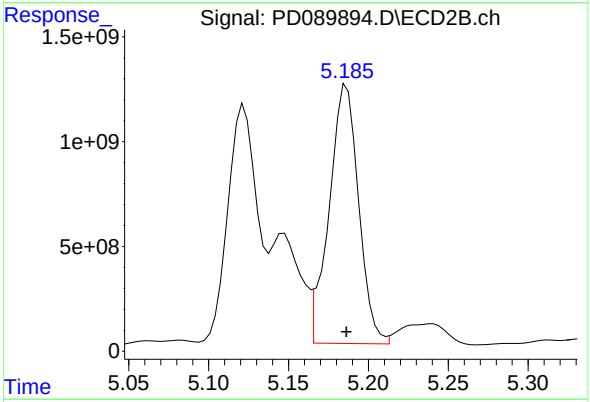
R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10951014704
Conc: 505.74 ng/ml



#11 alpha-Chlordane

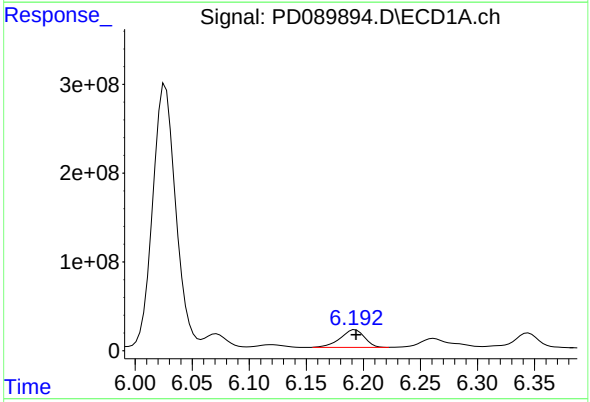
R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 4153080429
Conc: 987.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



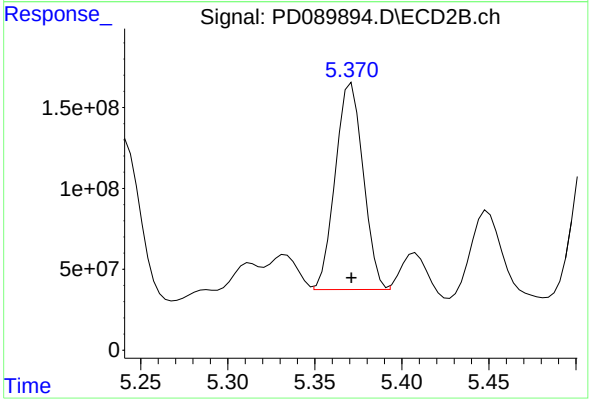
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 12306540350
Conc: 591.04 ng/ml



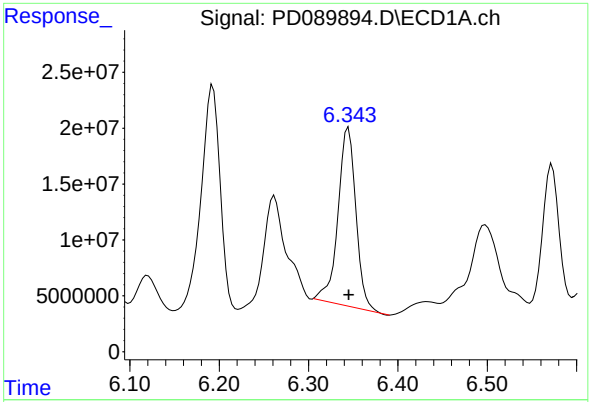
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 292330804
Conc: 78.38 ng/ml



#12 4,4'-DDE

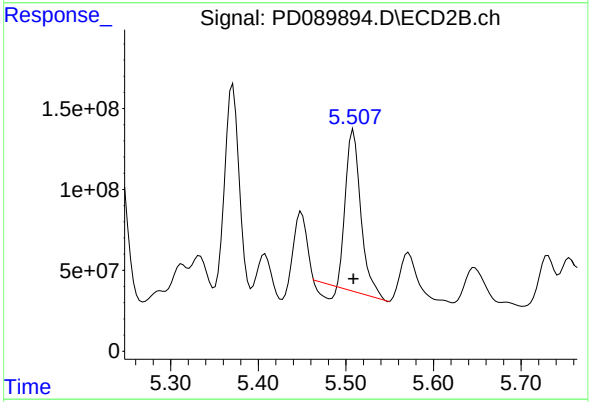
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1422498907
Conc: 67.30 ng/ml



#13 Dieldrin

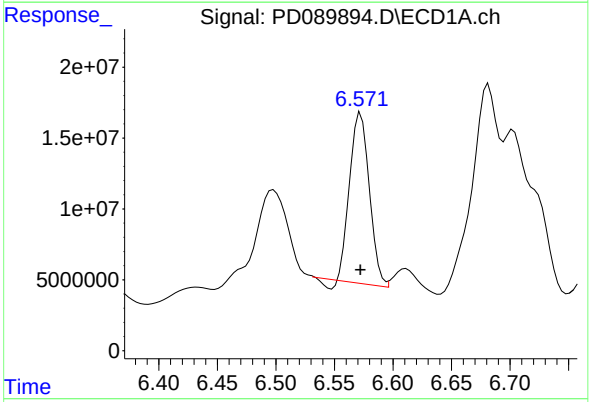
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 220756716
Conc: 52.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



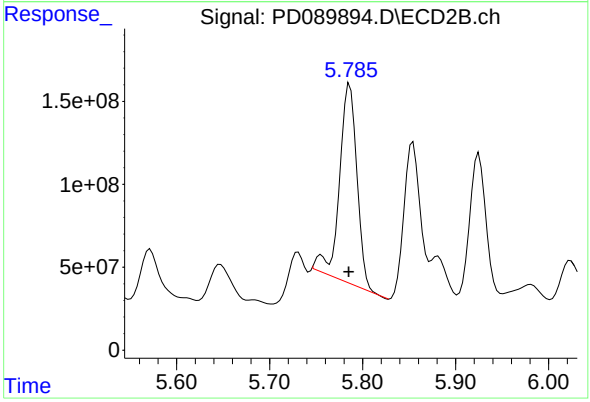
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1171743146
Conc: 54.15 ng/ml



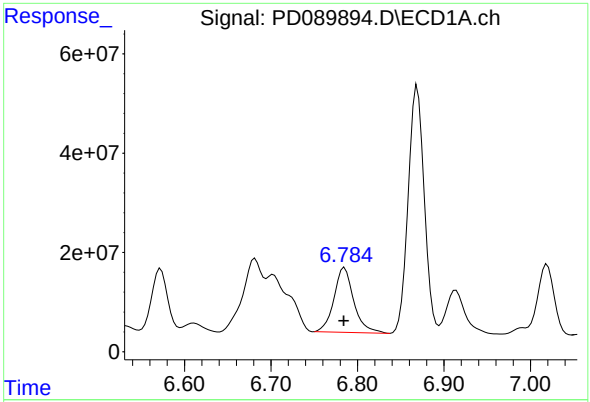
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 139471285
Conc: 38.98 ng/ml



#14 Endrin

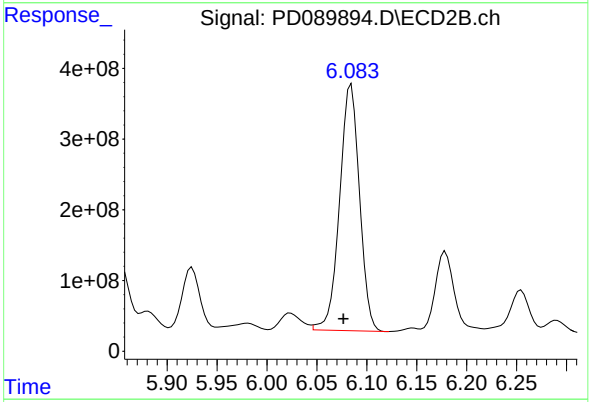
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 1583377488
Conc: 79.47 ng/ml



#15 Endosulfan II

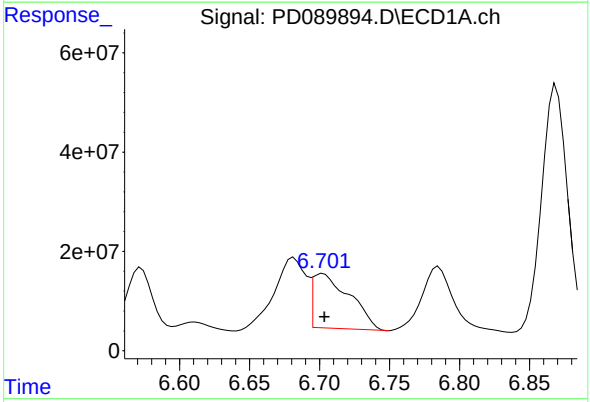
R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 205418514
Conc: 55.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



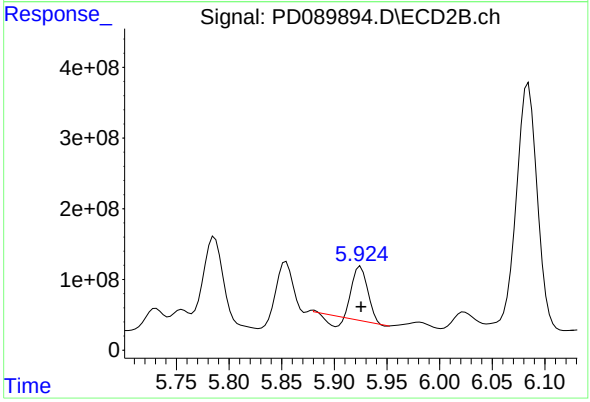
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.008 min
Response: 4835996685
Conc: 257.24 ng/ml



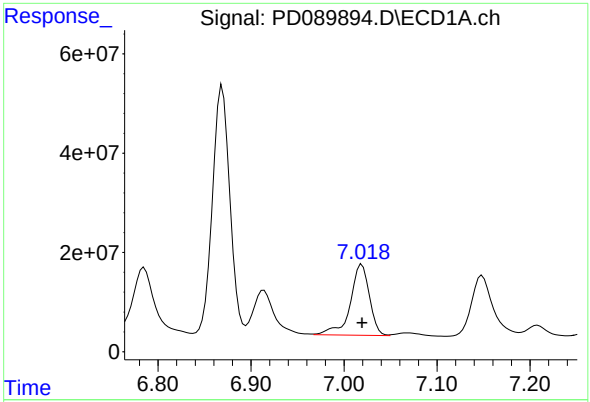
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 201364765
Conc: 67.24 ng/ml



#16 4,4'-DDD

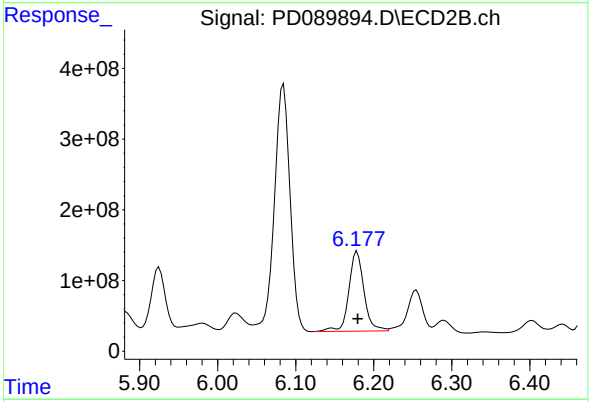
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 705156008
Conc: 39.99 ng/ml



#17 4,4'-DDT

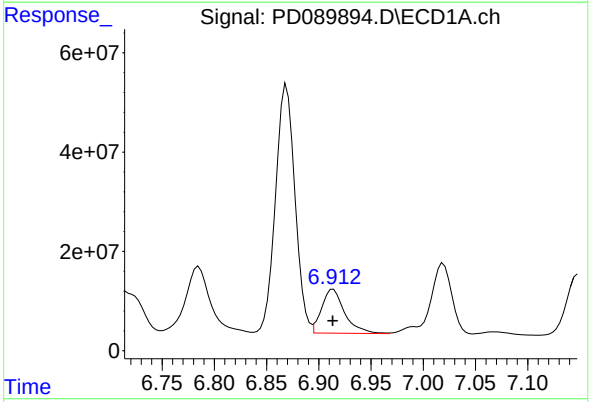
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 204717319
Conc: 60.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



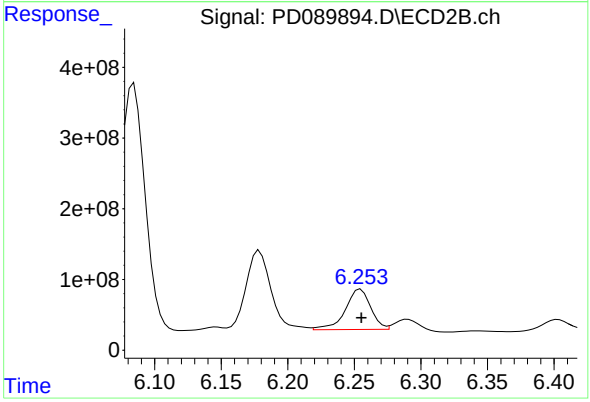
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1520036696
Conc: 82.73 ng/ml



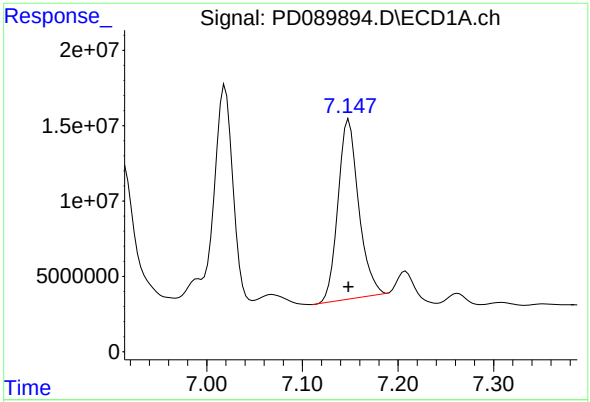
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 135599724
Conc: 54.34 ng/ml



#18 Endrin aldehyde

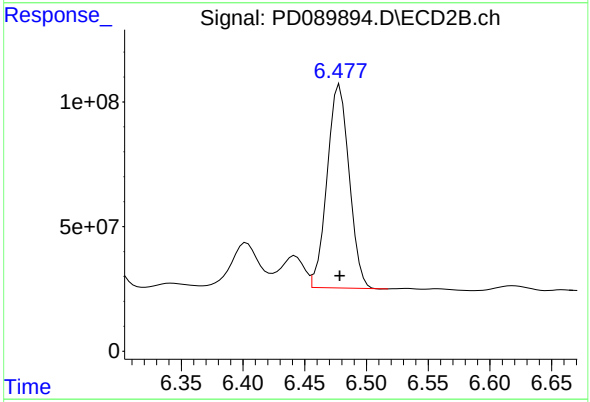
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 758754293
Conc: 58.73 ng/ml



#19 Endosulfan Sulfate

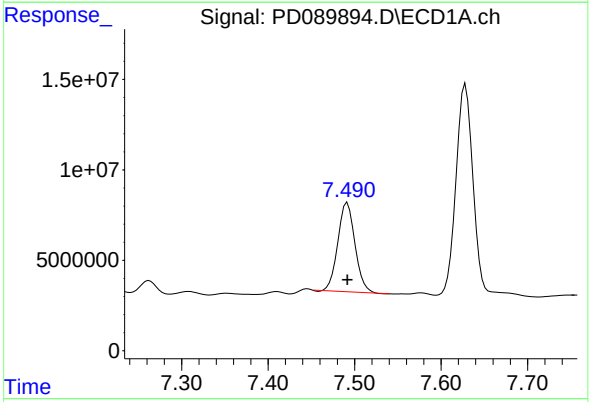
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 180604531
Conc: 52.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



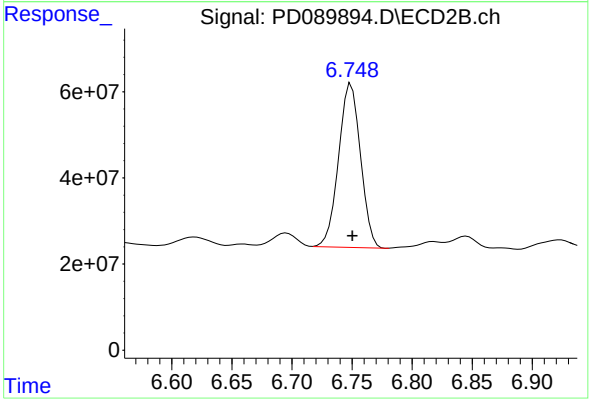
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1014163941
Conc: 54.63 ng/ml



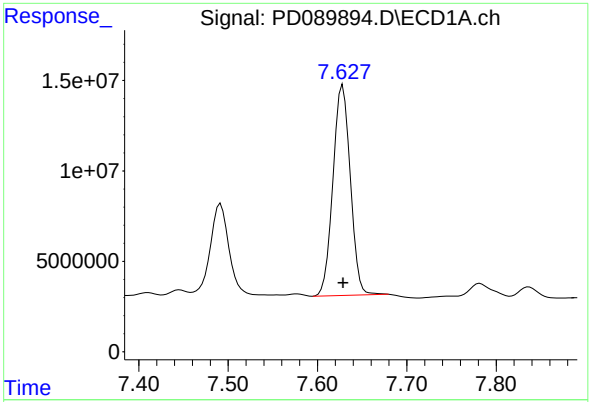
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 67095468
Conc: 37.53 ng/ml



#20 Methoxychlor

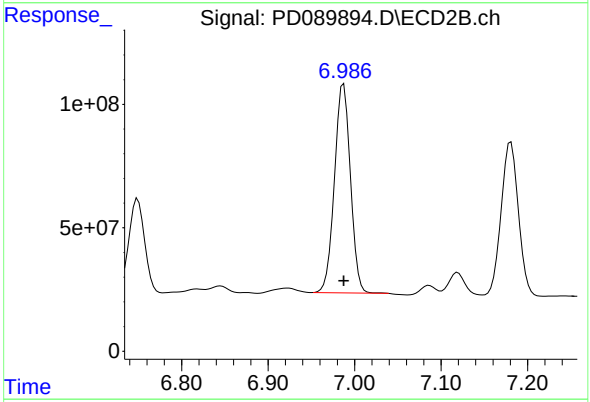
R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 483777795
Conc: 49.39 ng/ml



#21 Endrin ketone

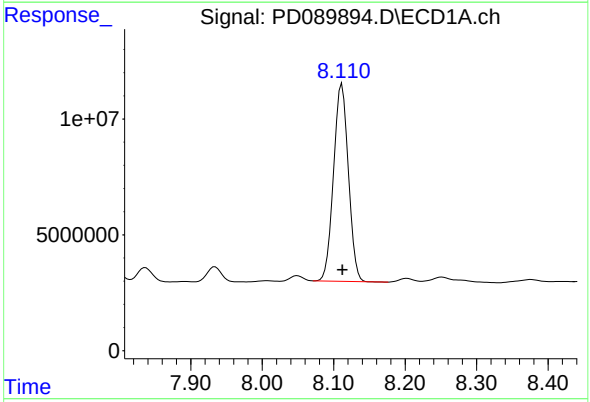
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 157240844
Conc: 42.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS



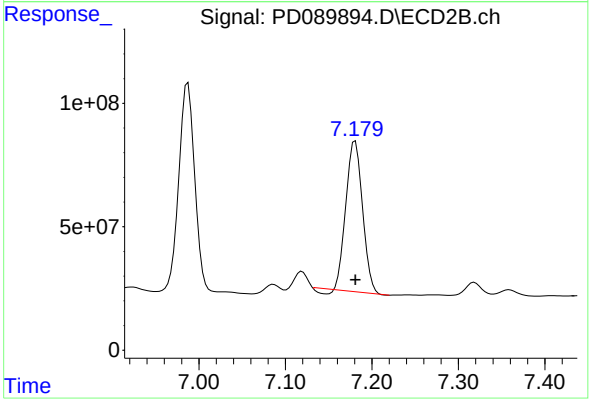
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1080724903
Conc: 53.85 ng/ml



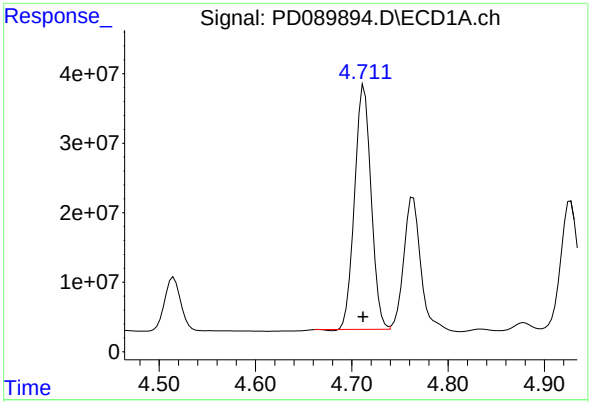
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 122593996
Conc: 43.97 ng/ml



#22 Mirex

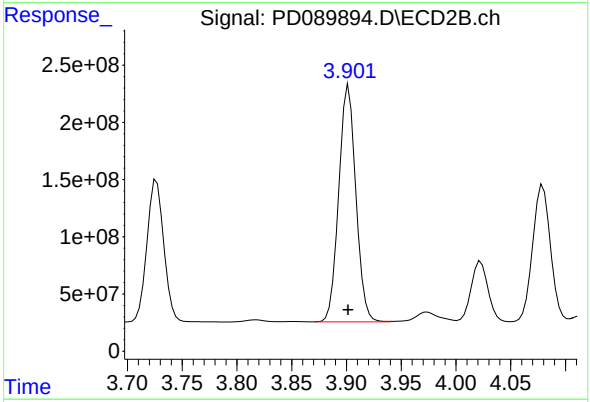
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 799939555
Conc: 52.55 ng/ml



#23 Chlordane-1

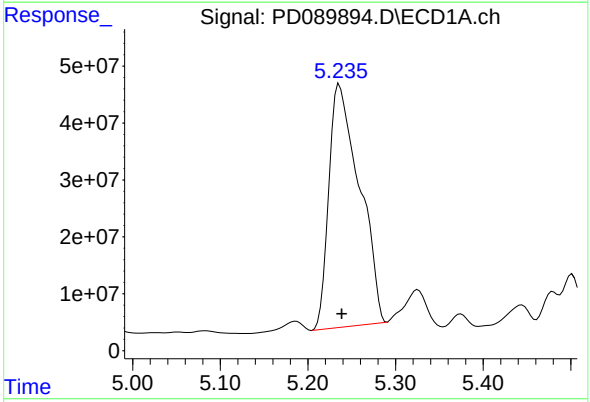
R.T.: 4.713 min
Delta R.T.: 0.000 min
Response: 418219121
Conc: 2510.97 ng/m

Instrument :
ECD_D
ClientSampleId :
17M-WMS



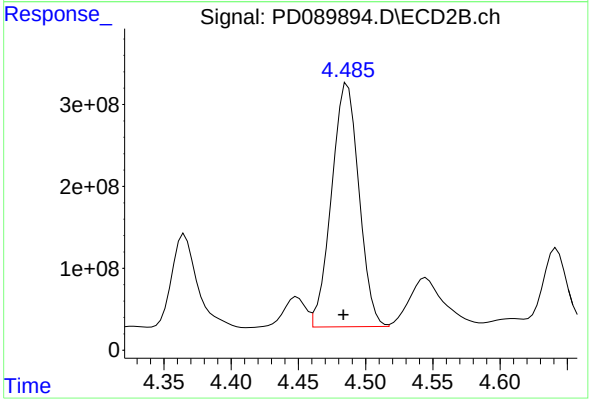
#23 Chlordane-1

R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 2246365505
Conc: 3071.33 ng/ml



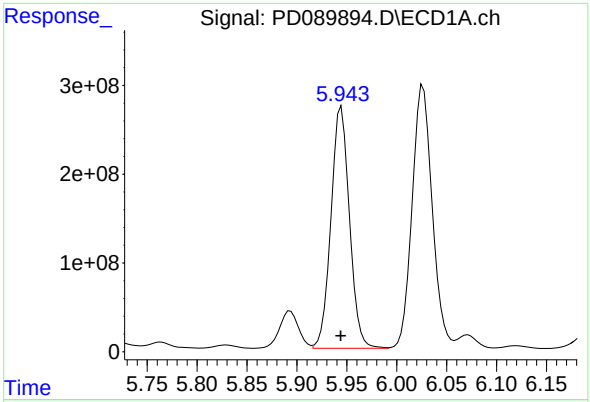
#24 Chlordane-2

R.T.: 5.236 min
Delta R.T.: -0.003 min
Response: 1033889146
Conc: 6084.50 ng/ml



#24 Chlordane-2

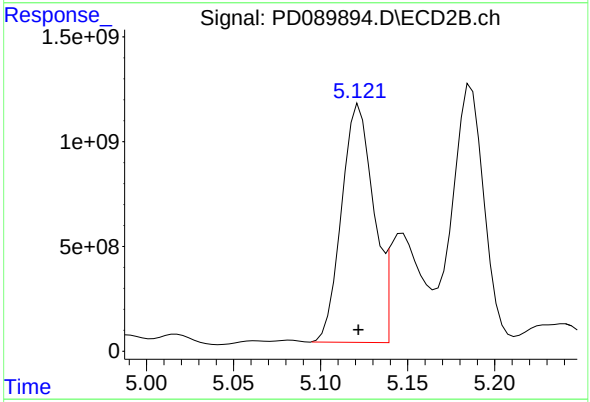
R.T.: 4.486 min
Delta R.T.: 0.003 min
Response: 4207149492
Conc: 5504.14 ng/ml



#25 Chlordane-3

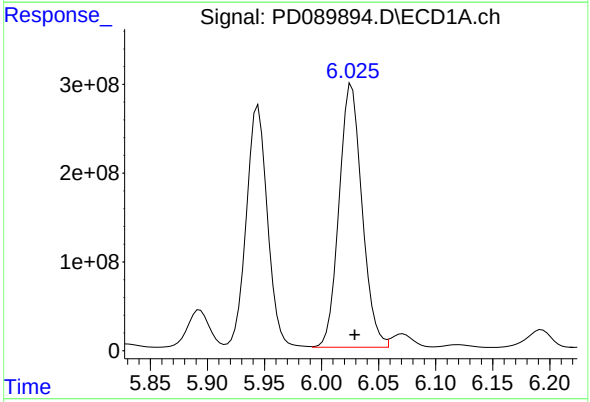
R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 3510548128
Conc: 5118.71 ng/m

Instrument :
ECD_D
ClientSampleId :
17M-WMS



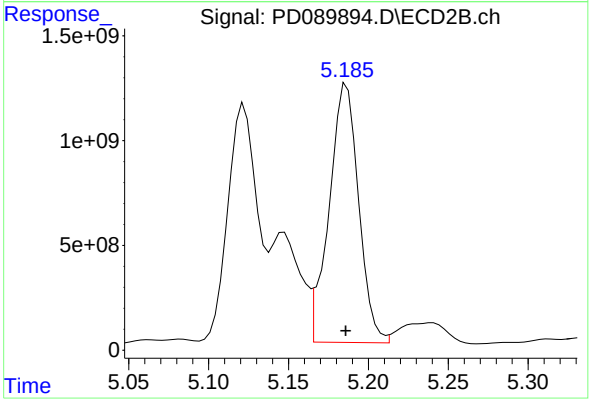
#25 Chlordane-3

R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10951014704
Conc: 4731.92 ng/ml



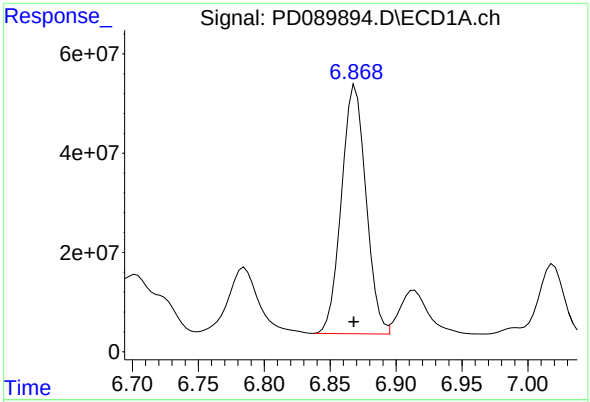
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 4153080429
Conc: 4961.17 ng/ml



#26 Chlordane-4

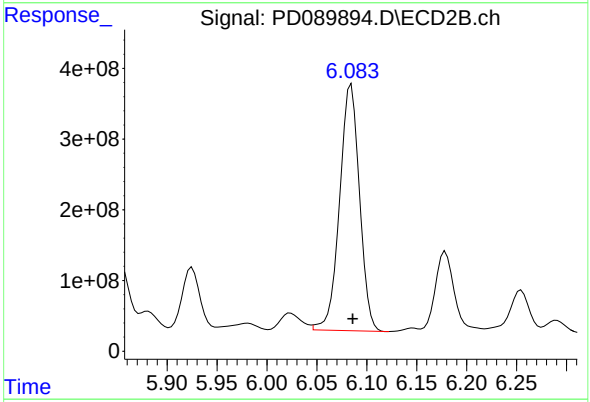
R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 12306540350
Conc: 6185.64 ng/ml



#27 Chlordane-5

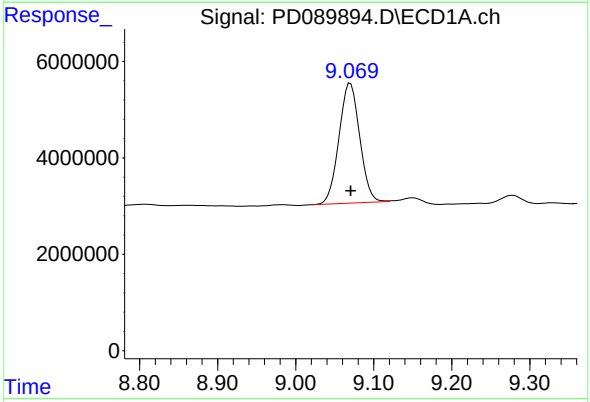
R.T.: 6.869 min
Delta R.T.: 0.001 min
Response: 647529989
Conc: 4488.64 ng/m

Instrument :
ECD_D
ClientSampleId :
17M-WMS



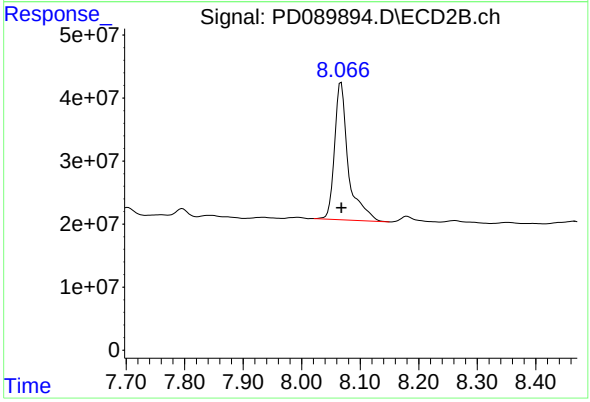
#27 Chlordane-5

R.T.: 6.084 min
Delta R.T.: -0.001 min
Response: 4835996685
Conc: 5345.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 45831658
Conc: 12.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 355049200
Conc: 17.68 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 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...	3.549	2.878	42100671	680.7E6	17.068	42.981	#
28)	SA Decachlor...	9.069	8.067	45436605	358.4E6	12.226	17.849	#
	Target Compounds							
2)	A alpha-BHC	3.998	3.390	253.8E6	1590.8E6	51.242	65.453	#
3)	MA gamma-BHC...	4.329	3.727	234.7E6	1330.0E6	49.382	59.048	
4)	MA Heptachlor	4.927	4.080	246.1E6	1368.2E6	51.145	58.952	
5)	MB Aldrin	0.000	4.366	0	1471.3E6	N.D.	66.125	#
6)	B beta-BHC	4.515	4.023	90338615	566.3E6	48.973	58.694	
7)	B delta-BHC	4.763	4.260	230.5E6	1372.3E6	50.254	60.414	
8)	B Heptachlo...	5.672f	4.869	784.6E6	1650.0E6	187.674	80.295	#
9)	A Endosulfan I	6.072	5.239	195.1E6	1951.1E6	49.212	99.807	#
10)	B gamma-Chl...	5.945	5.127	3495.0E6	10875.0E6	836.311	502.231	#
11)	B alpha-Chl...	6.027	5.181	4144.7E6	12374.1E6	985.845	594.281	#
12)	B 4,4'-DDE	6.193	5.372	288.9E6	1394.5E6	77.450	65.972	
13)	MA Dieldrin	6.345	5.509	221.0E6	1022.9E6	52.323	47.269	
14)	MA Endrin	6.573	5.787	140.6E6	1596.1E6	39.310	80.107	#
15)	B Endosulfa...	6.785	6.085	204.8E6	4872.5E6	55.817	259.180	#
16)	A 4,4'-DDD	6.702	5.926	206.4E6	707.7E6	68.912	40.135	#
17)	MA 4,4'-DDT	7.019	6.180	213.7E6	1575.0E6	63.611	85.727	#
18)	B Endrin al...	6.914	6.255	142.3E6	787.8E6	57.014	60.974	
19)	B Endosulfa...	7.149	6.479	182.2E6	1040.6E6	52.502	56.052	
20)	A Methoxychlor	7.492	6.750	79395593	517.3E6	44.405	52.806	
21)	B Endrin ke...	7.629	6.987	162.6E6	1115.9E6	43.769	55.604	#
22)	Mirex	8.112	7.181	122.6E6	794.1E6	43.972	52.169	
23)	Chlordane-1	4.712	3.902	416.0E6	2242.1E6	2497.455	3065.525	
24)	Chlordane-2	5.236	4.487	1031.6E6	4195.0E6	6071.243	5488.240	
25)	Chlordane-3	5.945	5.127	3495.0E6	10875.0E6	5096.057	4699.070	
26)	Chlordane-4	6.027	5.181	4144.7E6	12374.1E6	4951.104	6219.604	#
27)	Chlordane-5	6.869	6.085	656.0E6	4872.5E6	4547.173	5385.641	

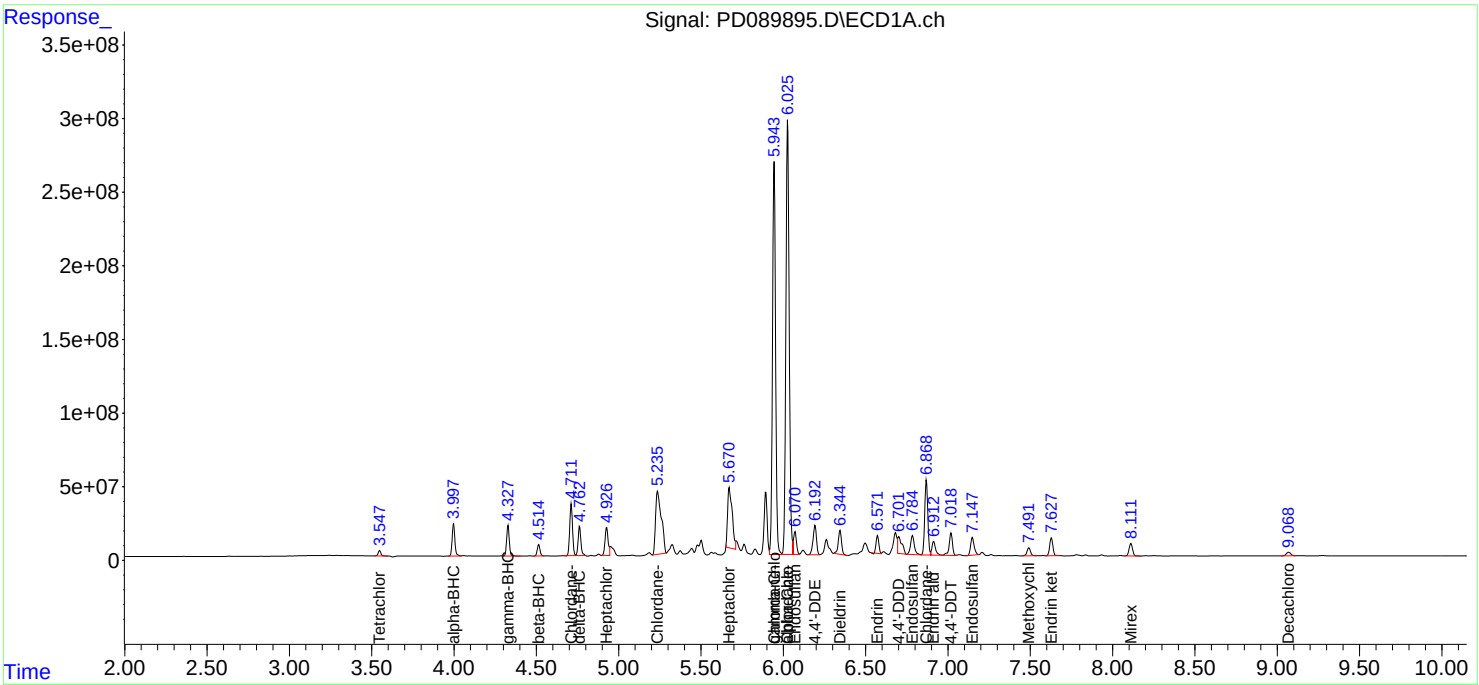
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

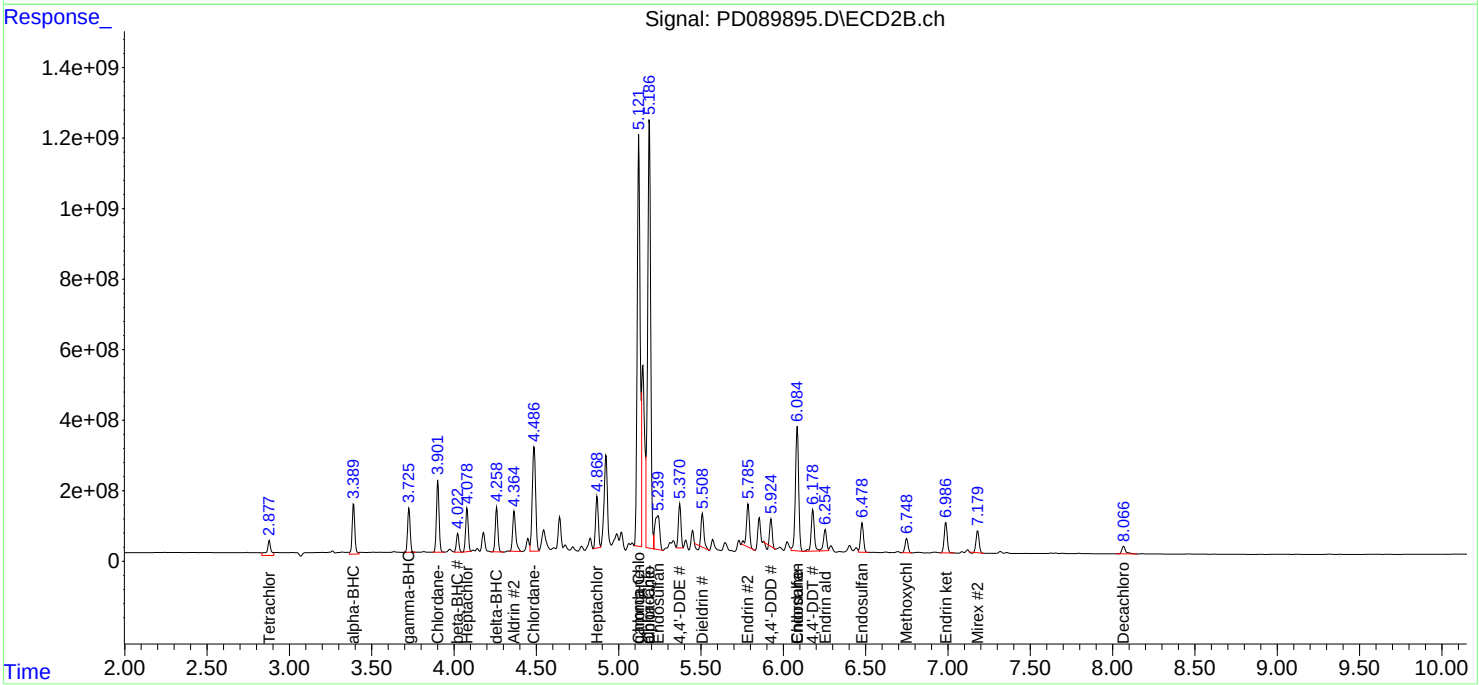
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

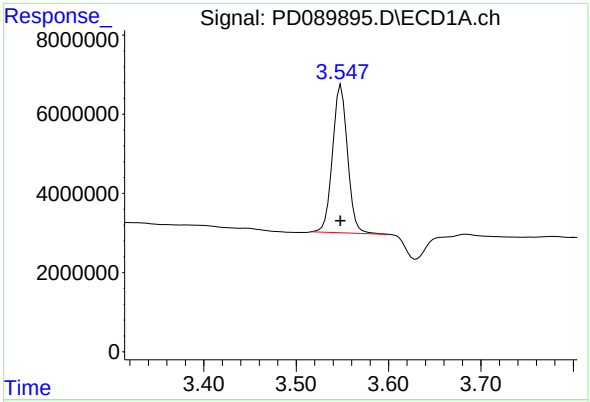
Instrument :
ECD_D
ClientSampleId :
17M-WMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 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



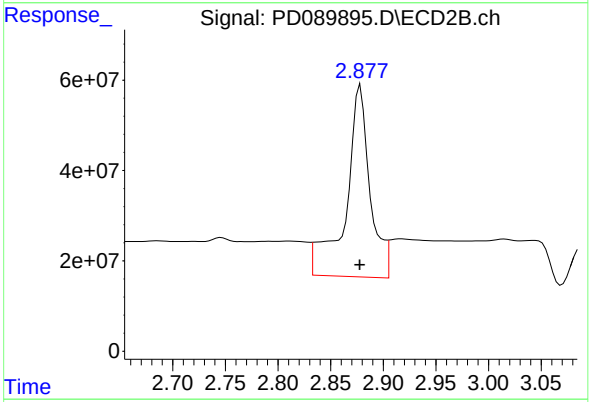




#1 Tetrachloro-m-xylene

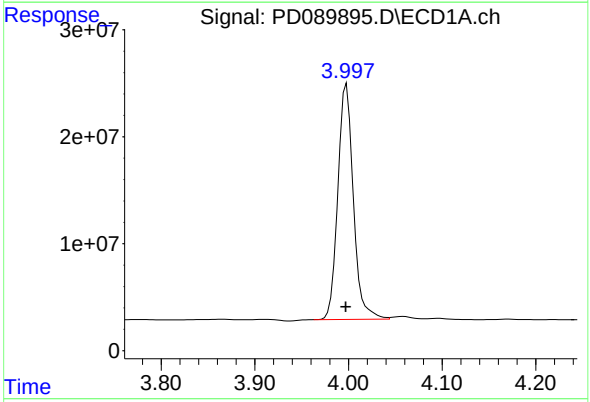
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 42100671
Conc: 17.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



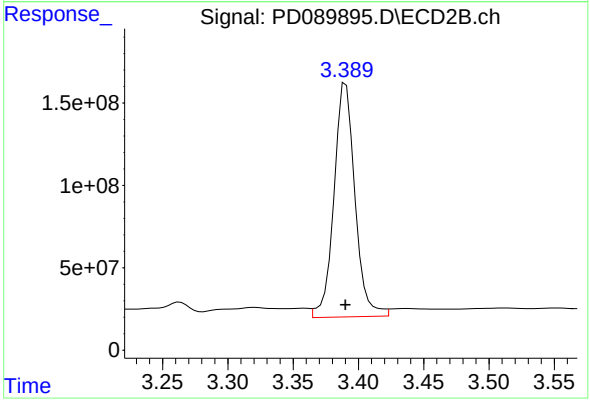
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 680718916
Conc: 42.98 ng/ml



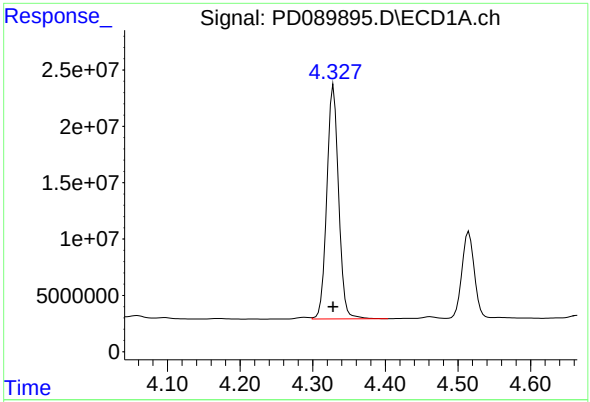
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 253826660
Conc: 51.24 ng/ml



#2 alpha-BHC

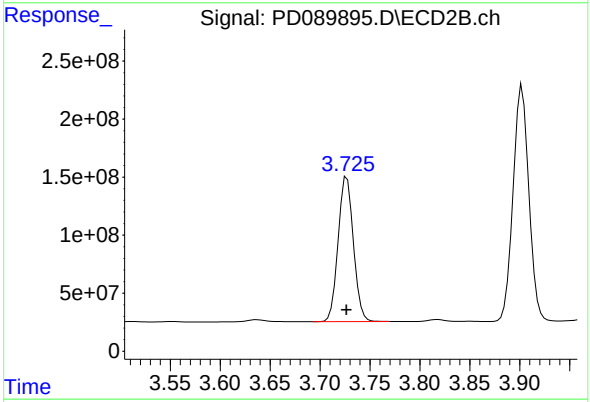
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1590838773
Conc: 65.45 ng/ml



#3 gamma-BHC (Lindane)

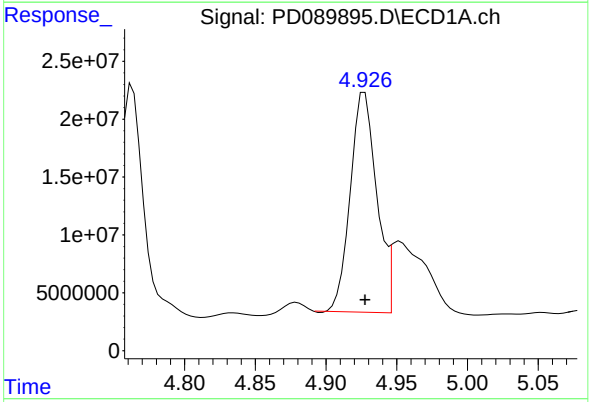
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 234680158
Conc: 49.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



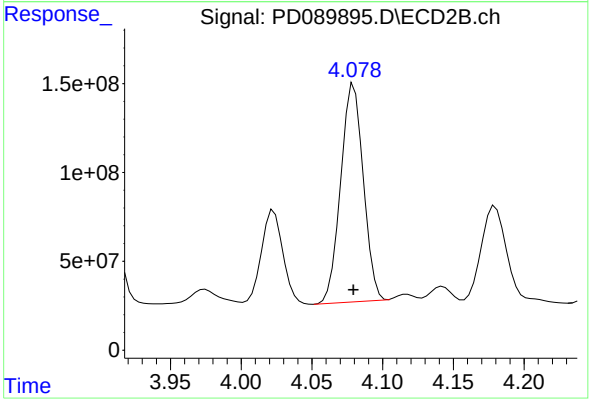
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1330012578
Conc: 59.05 ng/ml



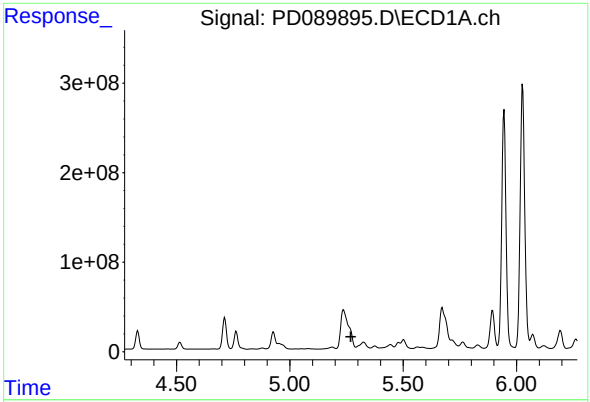
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 246086775
Conc: 51.15 ng/ml



#4 Heptachlor

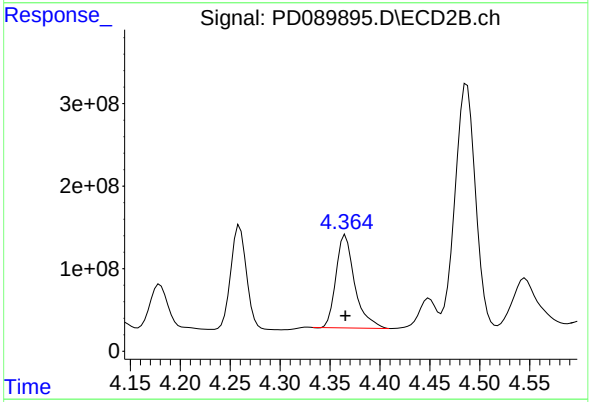
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1368220382
Conc: 58.95 ng/ml



#5 Aldrin

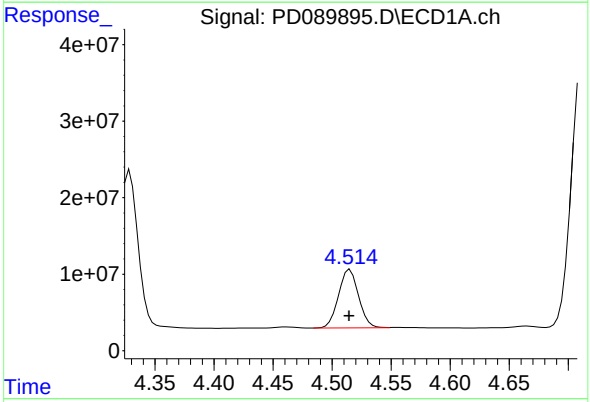
R.T.: 0.000 min
Exp R.T. : 5.269 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



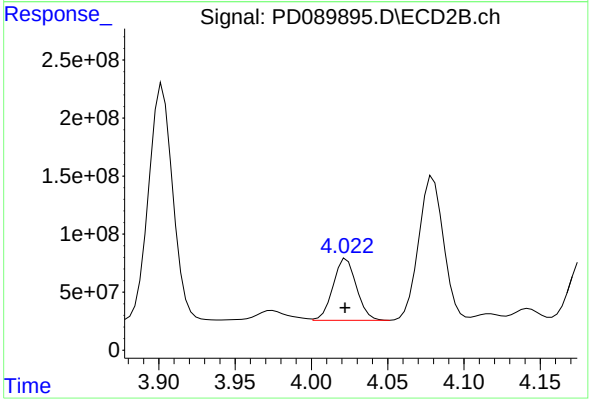
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1471322547
Conc: 66.12 ng/ml



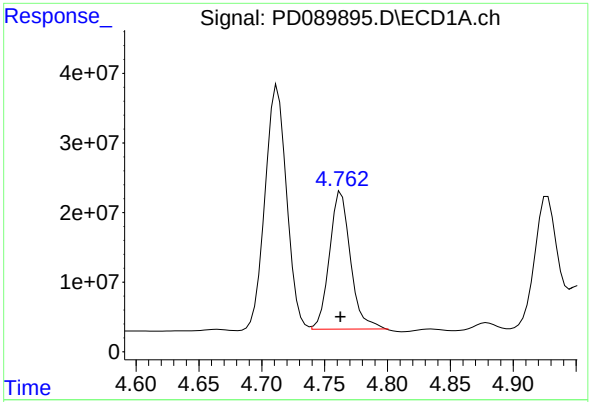
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 90338615
Conc: 48.97 ng/ml



#6 beta-BHC

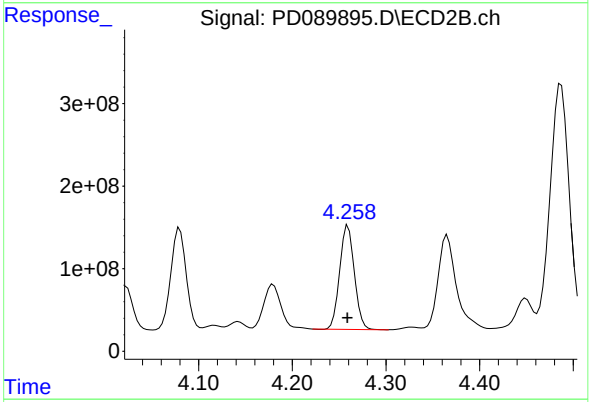
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 566340799
Conc: 58.69 ng/ml



#7 delta-BHC

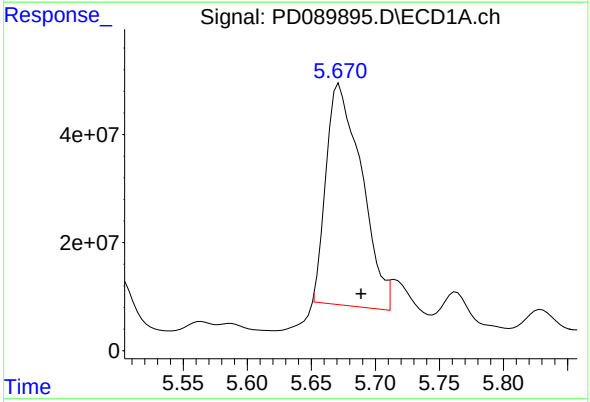
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 230477398
Conc: 50.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



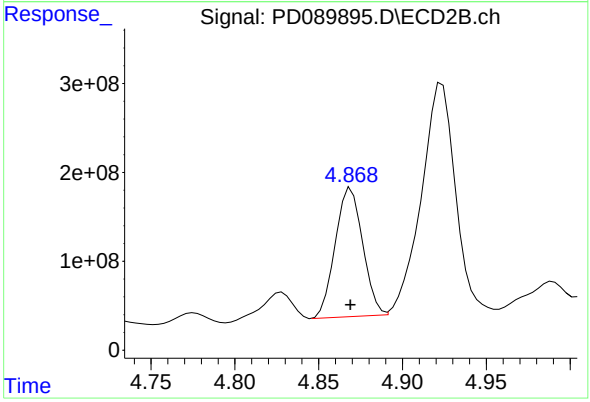
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1372306341
Conc: 60.41 ng/ml



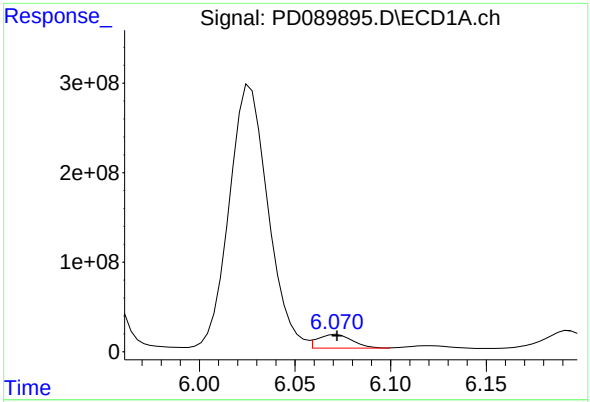
#8 Heptachlor epoxide

R.T.: 5.672 min
Delta R.T.: -0.017 min
Response: 784610666
Conc: 187.67 ng/ml



#8 Heptachlor epoxide

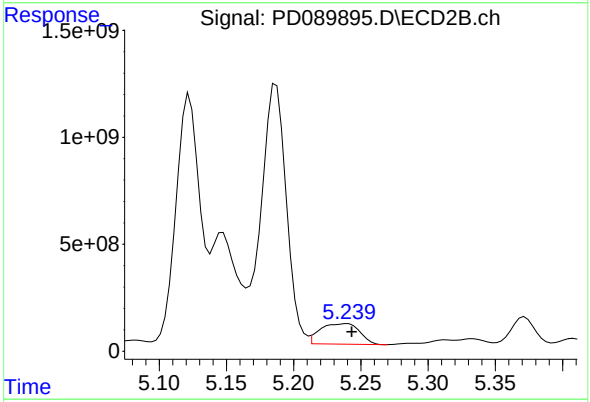
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1650040280
Conc: 80.29 ng/ml



#9 Endosulfan I

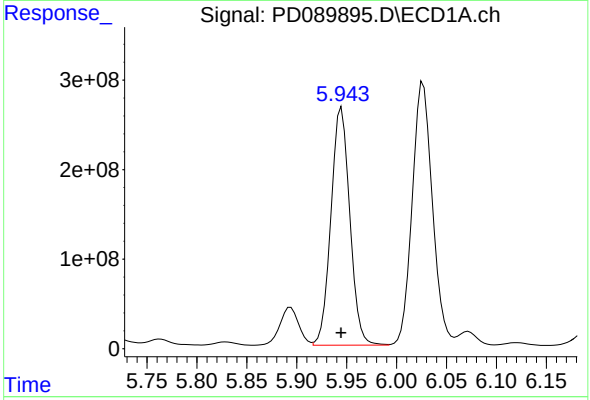
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 195059510
Conc: 49.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



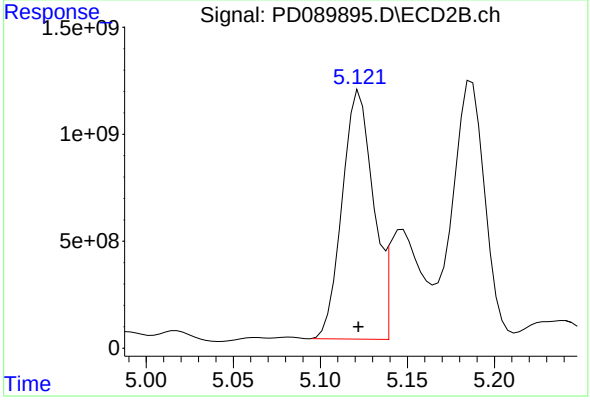
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.004 min
Response: 1951060796
Conc: 99.81 ng/ml



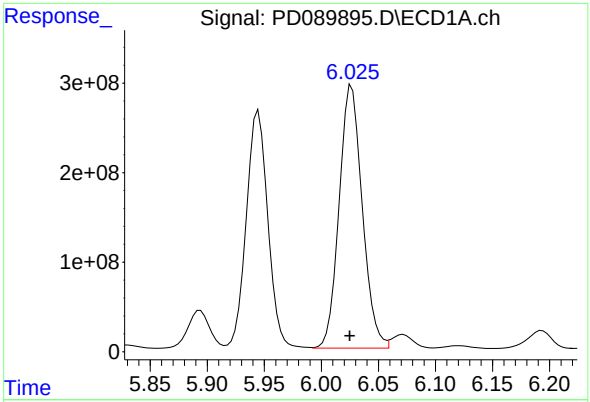
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 3495009453
Conc: 836.31 ng/ml



#10 gamma-Chlordane

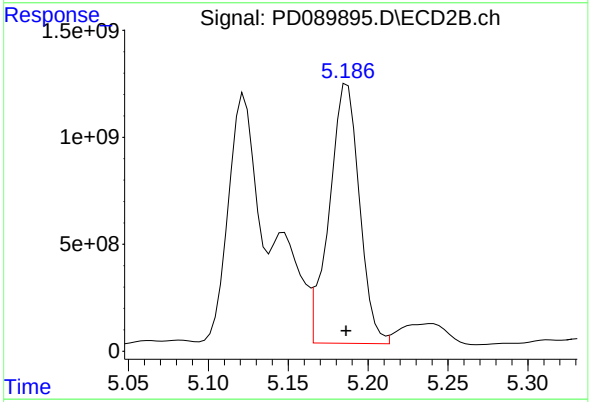
R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10874985076
Conc: 502.23 ng/ml



#11 alpha-Chlordane

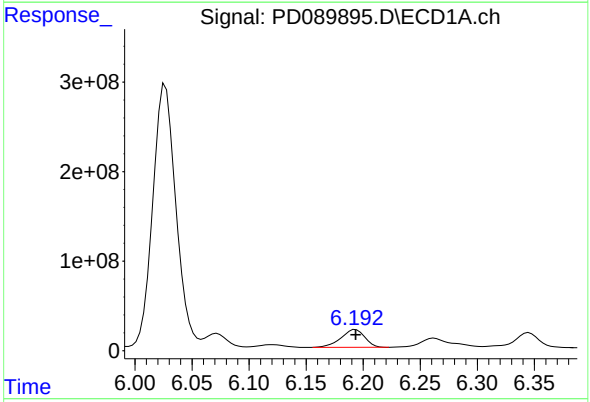
R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 4144653669
Conc: 985.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



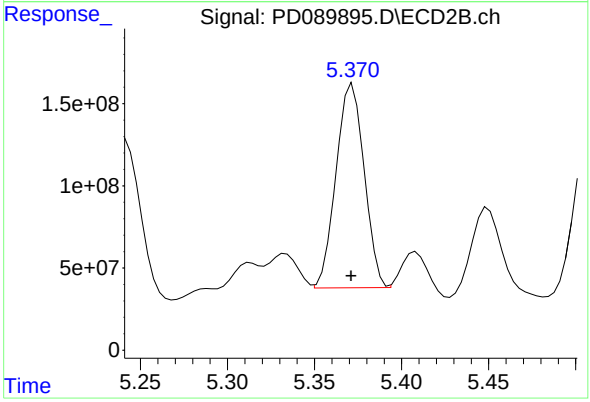
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 12374120744
Conc: 594.28 ng/ml



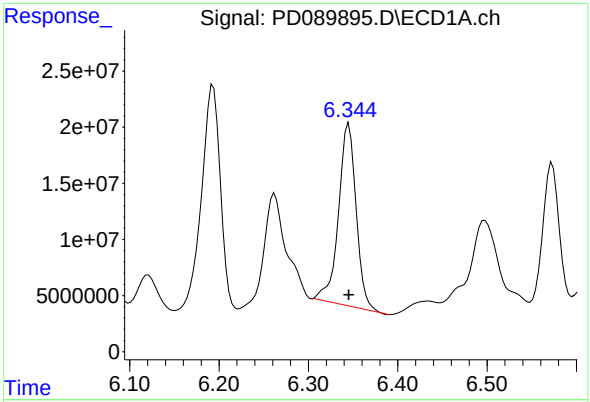
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 288870092
Conc: 77.45 ng/ml



#12 4,4'-DDE

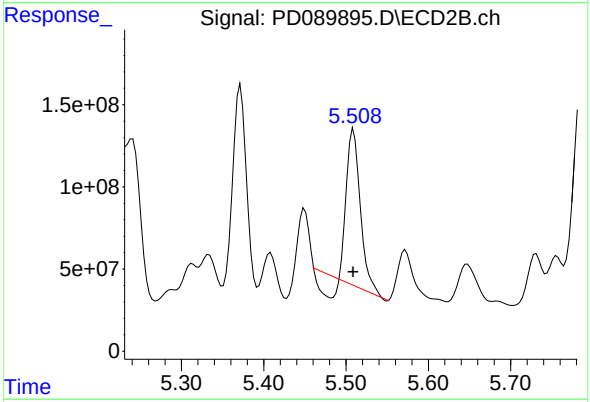
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1394457825
Conc: 65.97 ng/ml



#13 Dieldrin

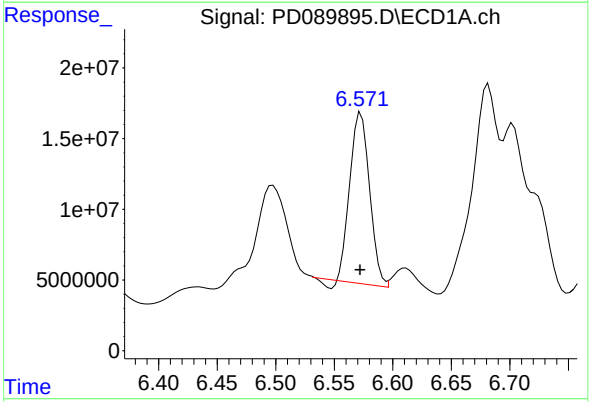
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 220982477
Conc: 52.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



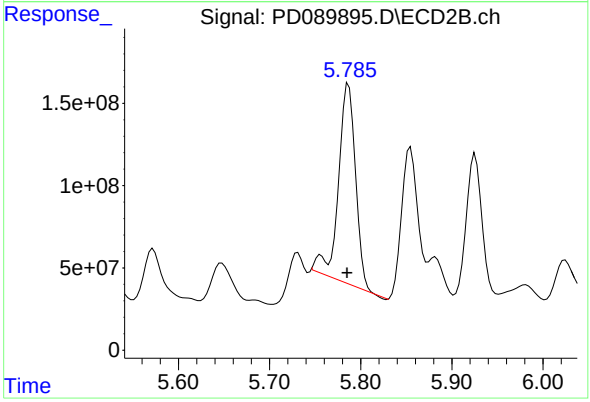
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1022850994
Conc: 47.27 ng/ml



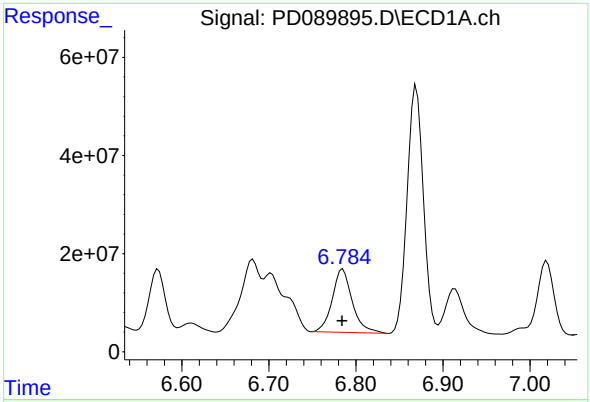
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 140638994
Conc: 39.31 ng/ml



#14 Endrin

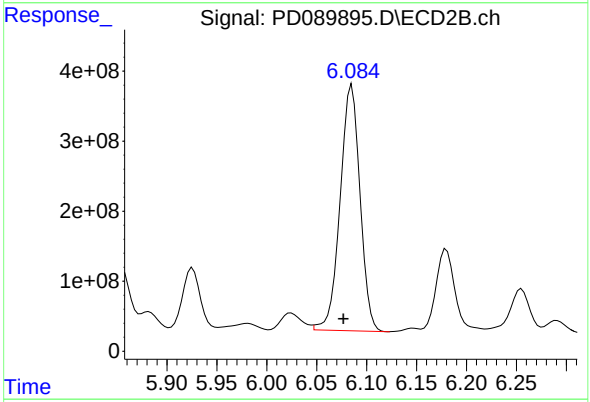
R.T.: 5.787 min
Delta R.T.: 0.001 min
Response: 1596140982
Conc: 80.11 ng/ml



#15 Endosulfan II

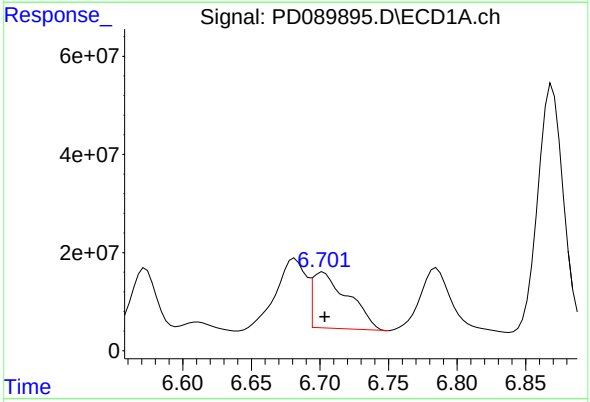
R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 204812914
Conc: 55.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



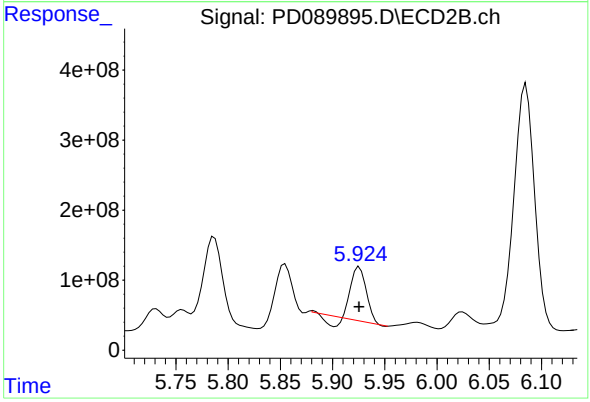
#15 Endosulfan II

R.T.: 6.085 min
Delta R.T.: 0.008 min
Response: 4872468456
Conc: 259.18 ng/ml



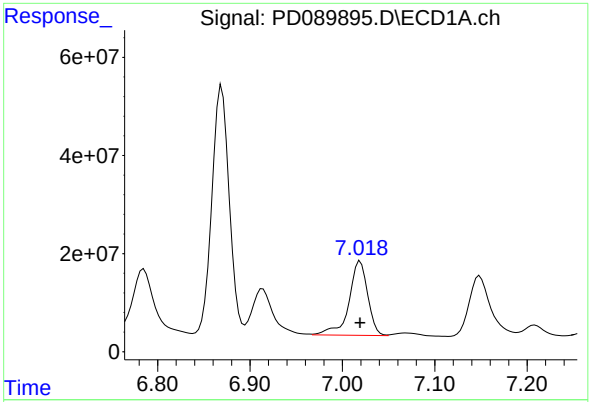
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.001 min
Response: 206379849
Conc: 68.91 ng/ml



#16 4,4'-DDD

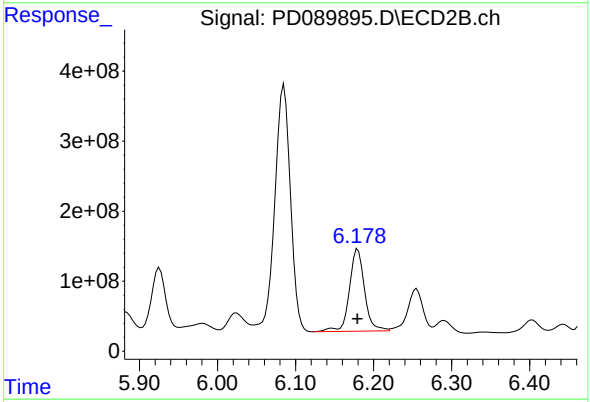
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 707684141
Conc: 40.13 ng/ml



#17 4,4'-DDT

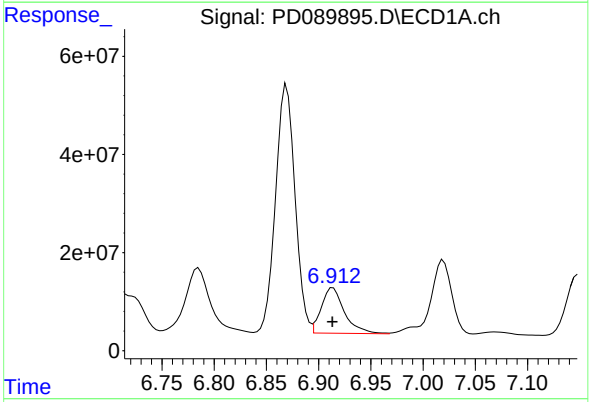
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 213749836
Conc: 63.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



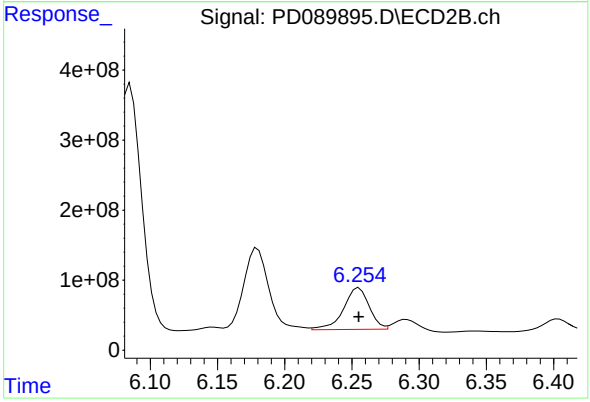
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 1575042130
Conc: 85.73 ng/ml



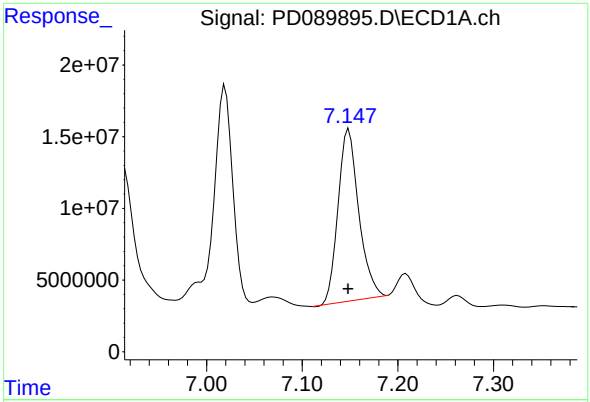
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 142281675
Conc: 57.01 ng/ml



#18 Endrin aldehyde

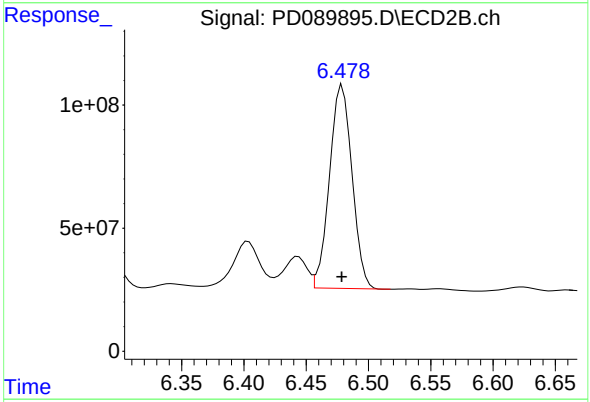
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 787805390
Conc: 60.97 ng/ml



#19 Endosulfan Sulfate

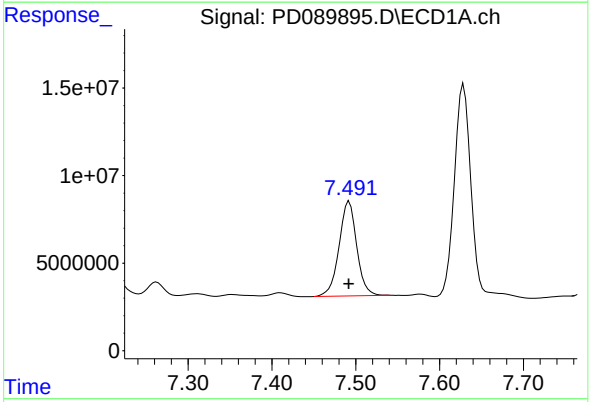
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 182185557
Conc: 52.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



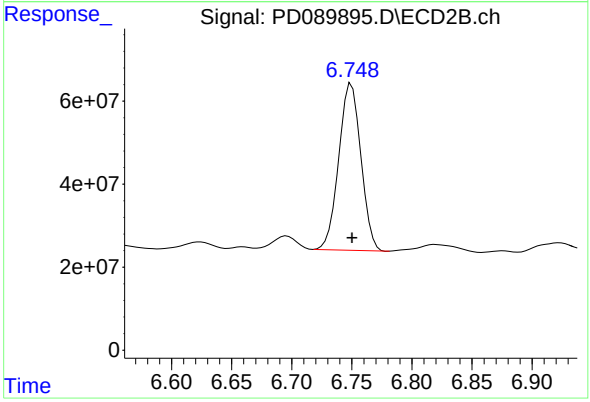
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 1040636661
Conc: 56.05 ng/ml



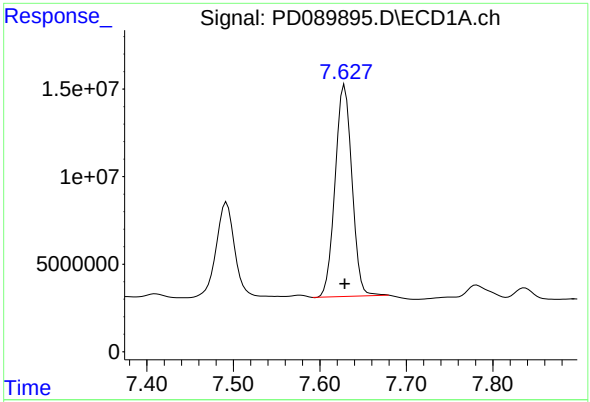
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 79395593
Conc: 44.41 ng/ml



#20 Methoxychlor

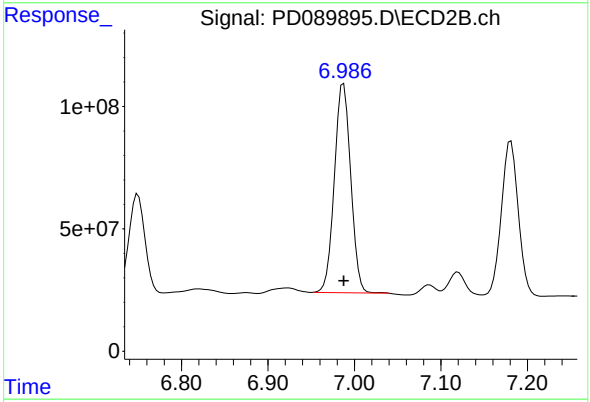
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 517258952
Conc: 52.81 ng/ml



#21 Endrin ketone

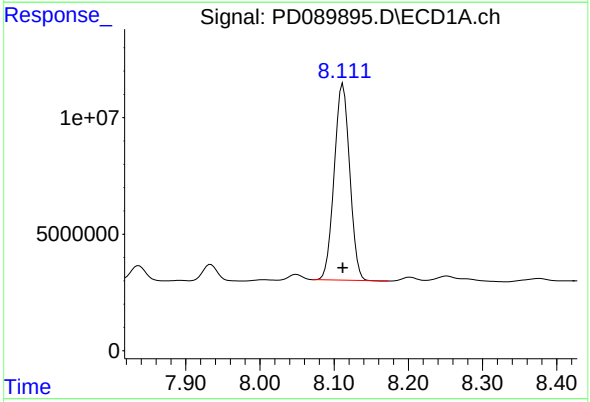
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 162563706
Conc: 43.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



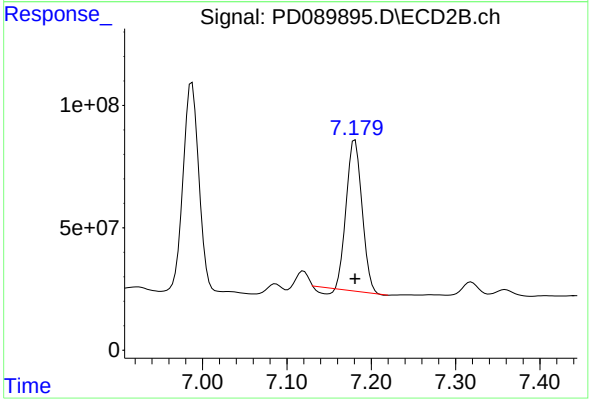
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1115870537
Conc: 55.60 ng/ml



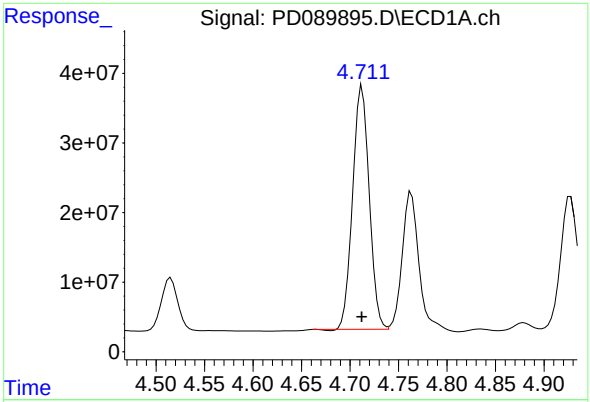
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 122607019
Conc: 43.97 ng/ml



#22 Mirex

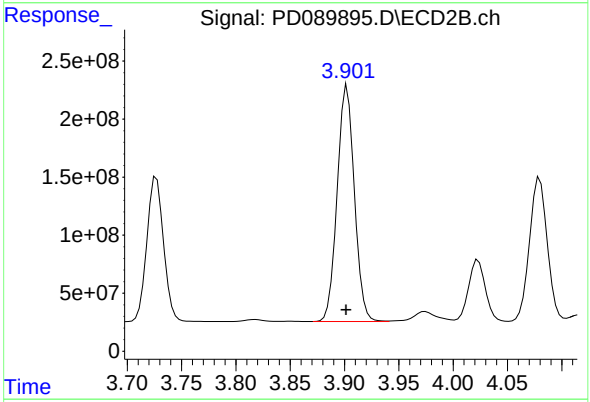
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 794079368
Conc: 52.17 ng/ml



#23 Chlordane-1

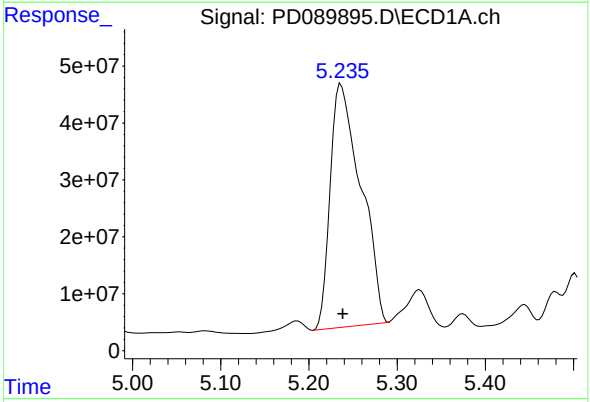
R.T.: 4.712 min
Delta R.T.: 0.000 min
Response: 415967719
Conc: 2497.45 ng/m

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



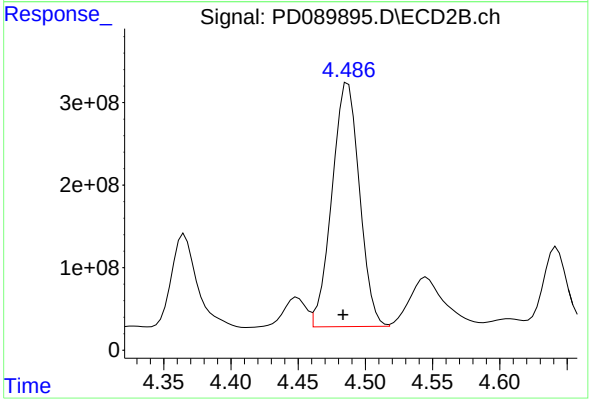
#23 Chlordane-1

R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 2242118126
Conc: 3065.52 ng/ml



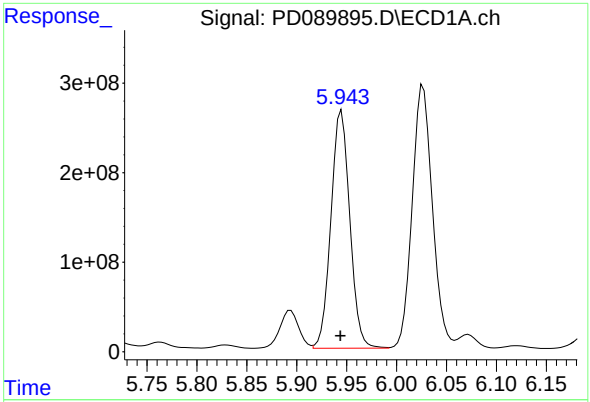
#24 Chlordane-2

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1031637265
Conc: 6071.24 ng/ml



#24 Chlordane-2

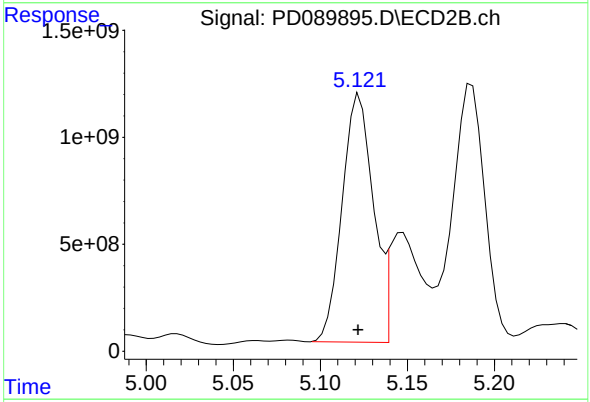
R.T.: 4.487 min
Delta R.T.: 0.004 min
Response: 4194992826
Conc: 5488.24 ng/ml



#25 Chlordane-3

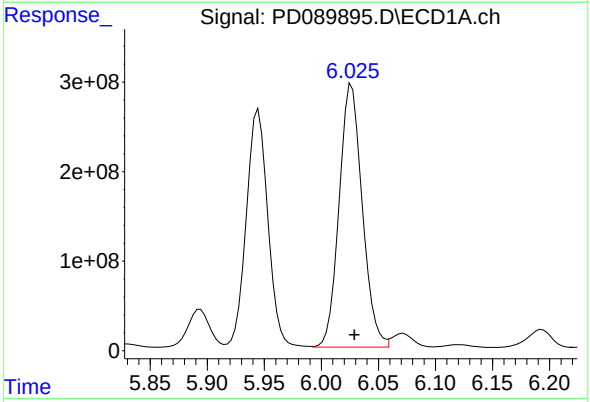
R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 3495009453
Conc: 5096.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



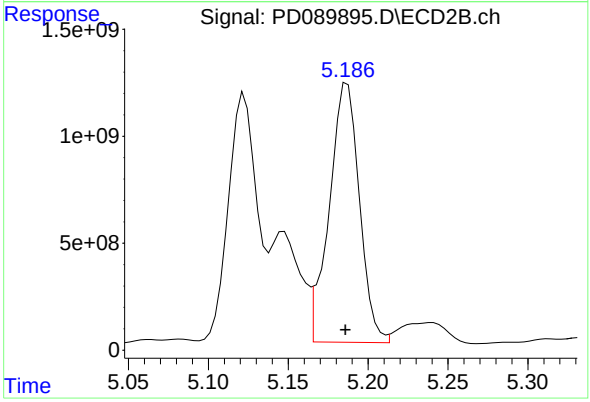
#25 Chlordane-3

R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10874985076
Conc: 4699.07 ng/ml



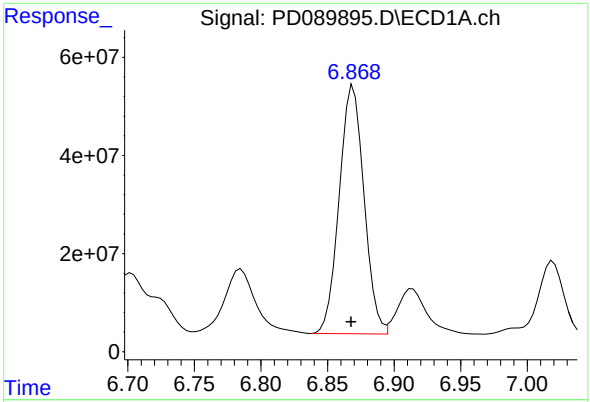
#26 Chlordane-4

R.T.: 6.027 min
Delta R.T.: -0.002 min
Response: 4144653669
Conc: 4951.10 ng/ml



#26 Chlordane-4

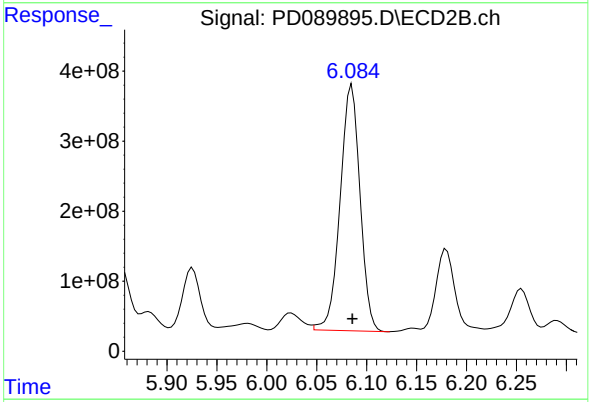
R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 12374120744
Conc: 6219.60 ng/ml



#27 Chlordane-5

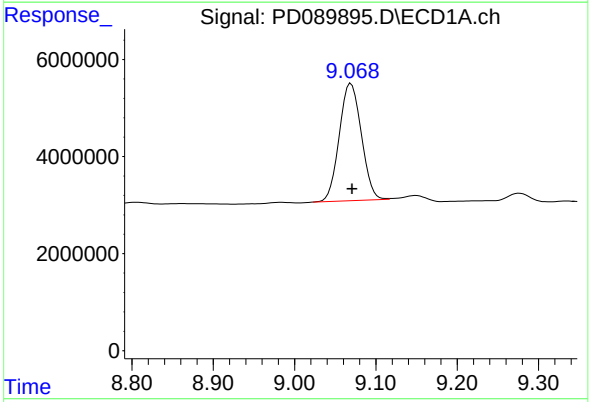
R.T.: 6.869 min
Delta R.T.: 0.002 min
Response: 655973715
Conc: 4547.17 ng/m

Instrument :
ECD_D
ClientSampleId :
17M-WMSD



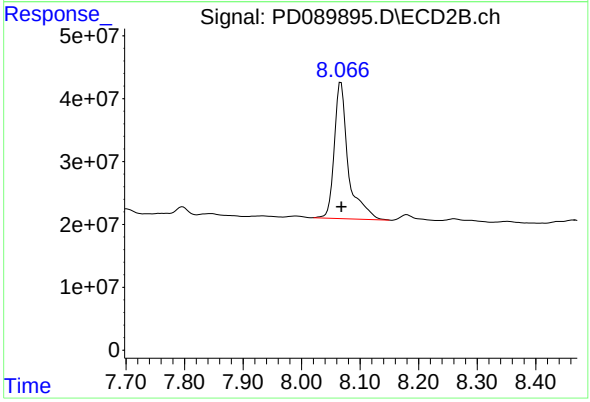
#27 Chlordane-5

R.T.: 6.085 min
Delta R.T.: 0.000 min
Response: 4872468456
Conc: 5385.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.001 min
Response: 45436605
Conc: 12.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 358369994
Conc: 17.85 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:41
Operator : AR\AJ
Sample : Q2820-9
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : ECD_D
ClientSampleId : 705R-S

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:27:25 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	33939724	765.4E6	13.760	48.327	#
28)	SA	Decachlor...	9.070	8.067	25705134	174.1E6	6.917	8.669	#
	Target Compounds								
2)	A	alpha-BHC	0.000	3.395	0	196.1E6	N.D.	8.068	#
3)	MA	gamma-BHC...	4.298f	3.723	1699269	859252	0.358	0.038	#
4)	MA	Heptachlor	4.948f	4.074	2395770	13930067	0.498	0.600	
5)	MB	Aldrin	5.293f	4.358	560594	982121	0.123	0.044	#
6)	B	beta-BHC	4.495f	4.030	1297955	15863545	0.704	1.644	#
7)	B	delta-BHC	4.776	4.253	999530	1916868	0.218	0.084	#
8)	B	Heptachlo...	0.000	4.872	0	2507473	N.D.	0.122	#
9)	A	Endosulfan I	6.090f	5.246	273972	692248	0.069	0.035	#
10)	B	gamma-Chl...	5.913f	5.122	564642	9339065	0.135	0.431	#
11)	B	alpha-Chl...	6.028	5.179	480496	2552225	0.114	0.123	
12)	B	4,4'-DDE	6.193	5.371	7060437	50268897	1.893	2.378	#
13)	MA	Dieldrin	0.000	5.495	0	252867	N.D.	0.012	#
14)	MA	Endrin	0.000	5.792	0	11049655	N.D.	0.555	#
15)	B	Endosulfa...	0.000	6.099f	0	5032449	N.D.	0.268	#
16)	A	4,4'-DDD	6.703	5.926	14247753	118.3E6	4.757	6.708	#
17)	MA	4,4'-DDT	7.048f	6.184	2188647	9272441	0.651	0.505	
18)	B	Endrin al...	6.933f	6.253	3159464	2289461	1.266	0.177	#
20)	A	Methoxychlor	0.000	6.735f	0	3516746	N.D.	0.359	#
22)		Mirex	0.000	7.173	0	80718322	N.D.	5.303	#
23)		Chlordane-1	0.000	3.883	0	22643694	N.D.	30.959	#
24)		Chlordane-2	5.236	4.503f	3353295	4415918	19.734	5.777	#
25)		Chlordane-3	0.000	5.122	0	9339065	N.D.	4.035	#
26)		Chlordane-4	6.028	5.179	480496	2552225	0.574	1.283	#
27)		Chlordane-5	0.000	6.099	0	5032449	N.D.	5.562	#

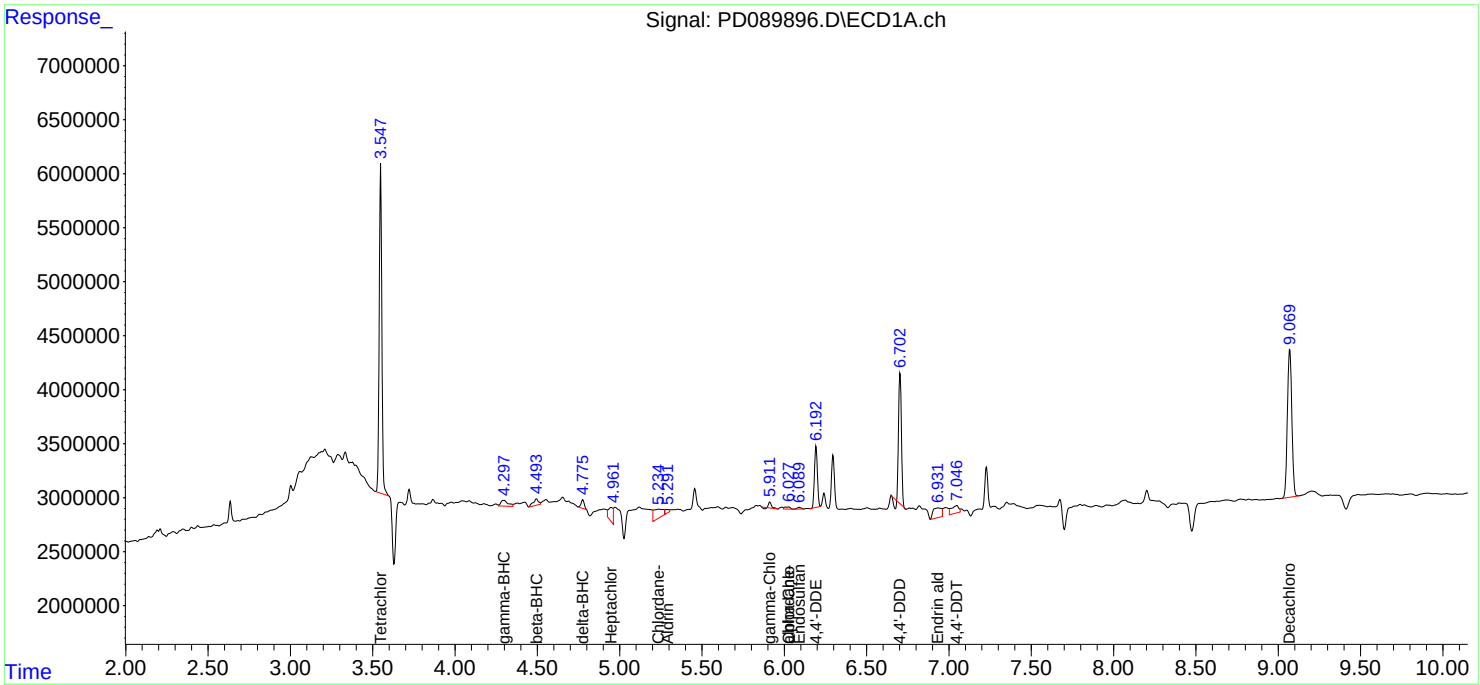
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

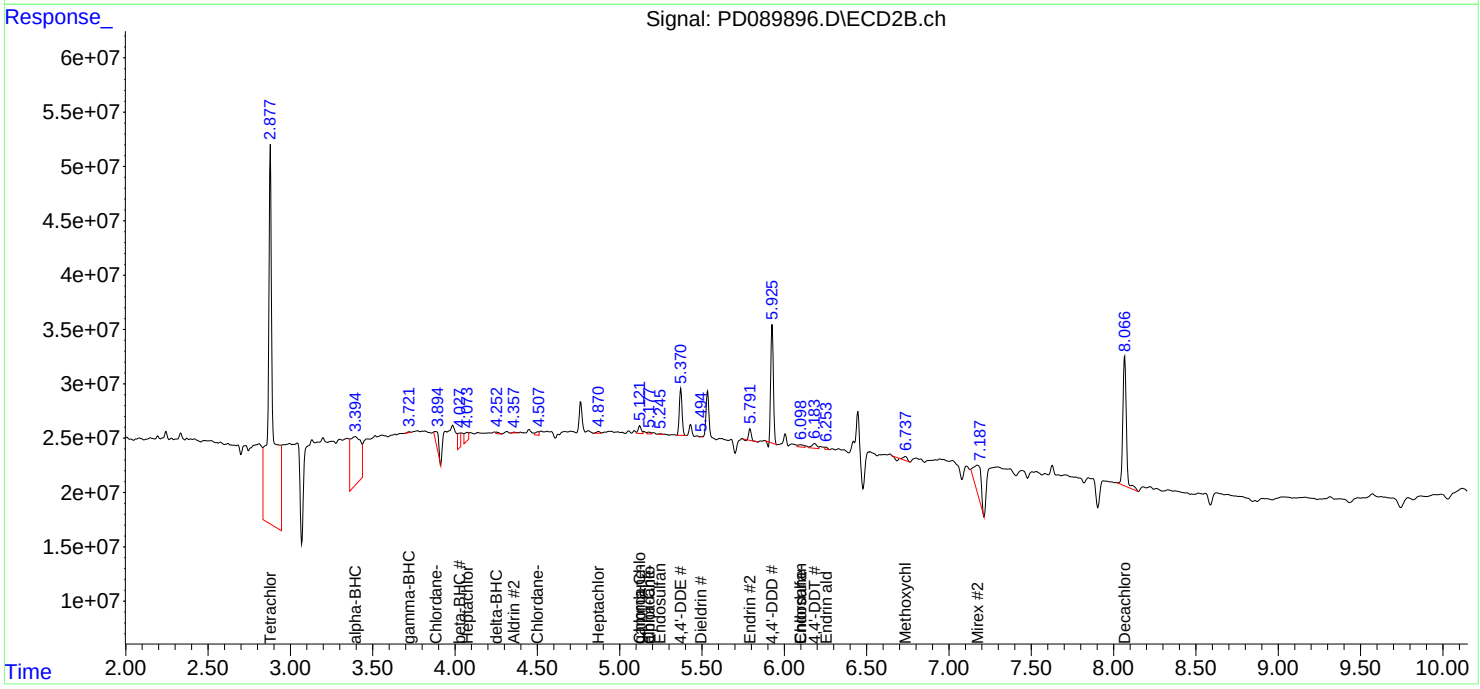
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:41
Operator : AR\AJ
Sample : Q2820-9
Misc :
ALS Vial : 10 Sample Multiplier: 1

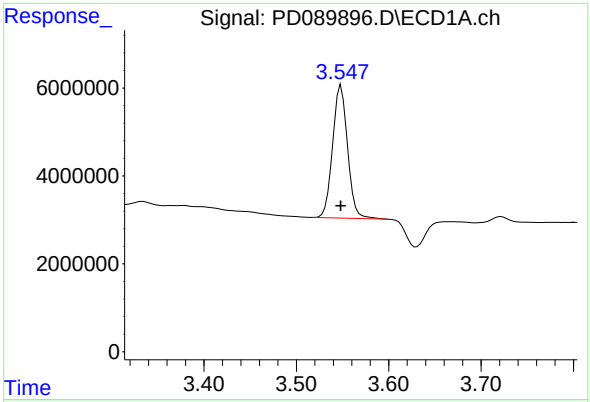
Instrument :
ECD_D
ClientSampleId :
705R-S

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:27:25 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



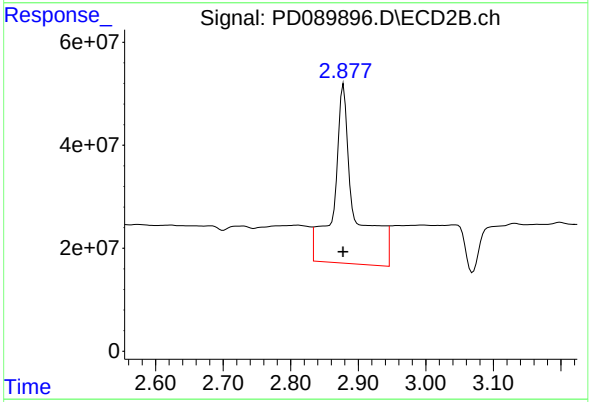




#1 Tetrachloro-m-xylene

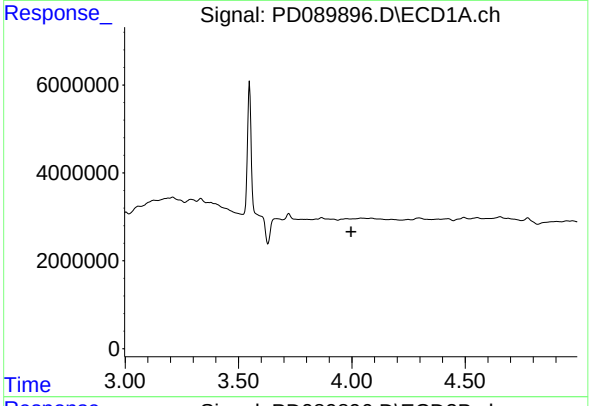
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 33939724
Conc: 13.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S



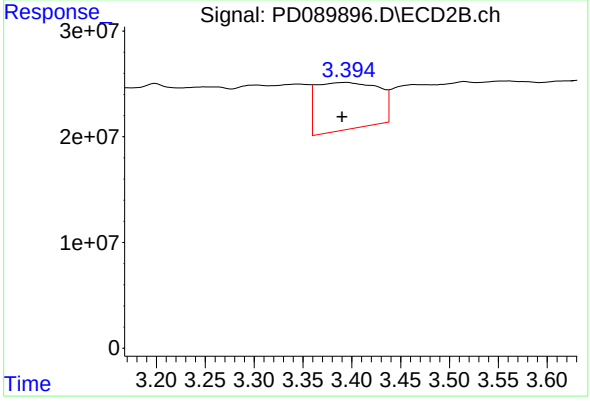
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 765399724
Conc: 48.33 ng/ml



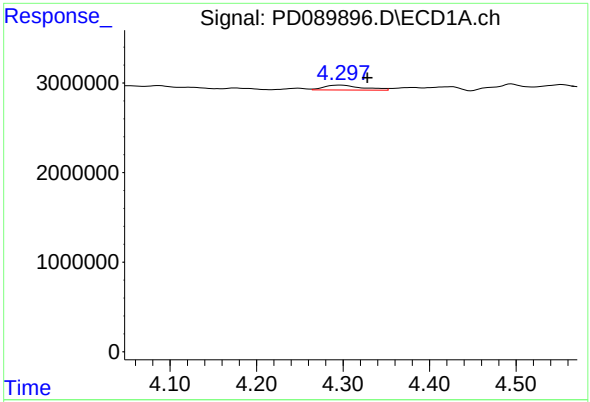
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

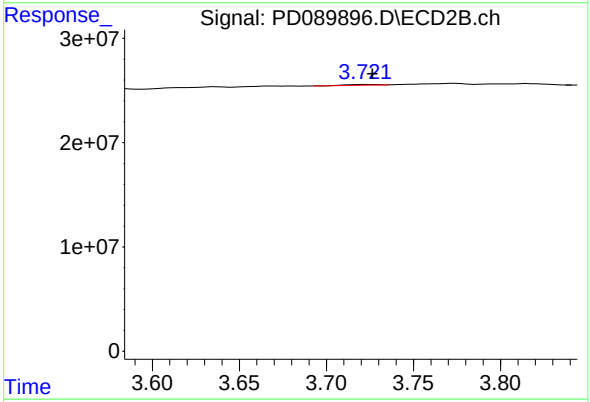
R.T.: 3.395 min
Delta R.T.: 0.005 min
Response: 196101692
Conc: 8.07 ng/ml



#3 gamma-BHC (Lindane)

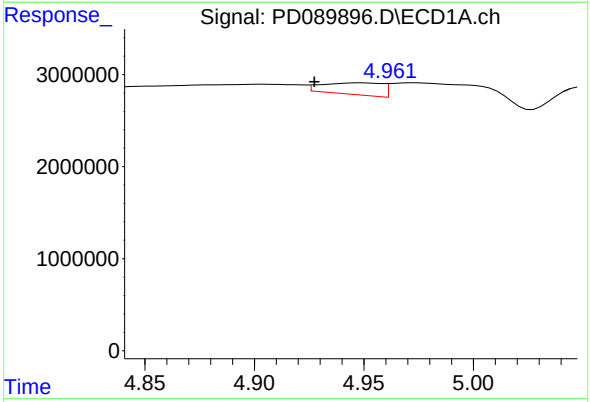
R.T.: 4.298 min
Delta R.T.: -0.031 min
Response: 1699269
Conc: 0.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S



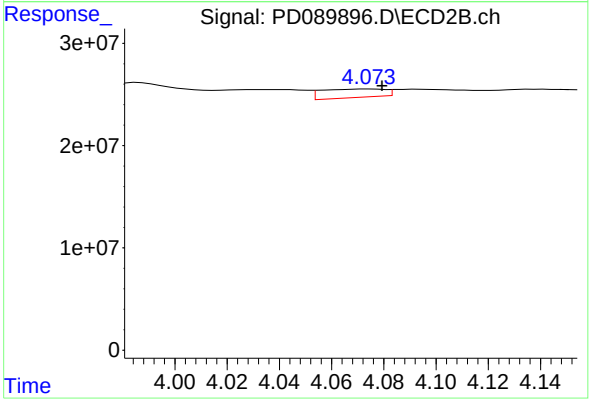
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.004 min
Response: 859252
Conc: 0.04 ng/ml



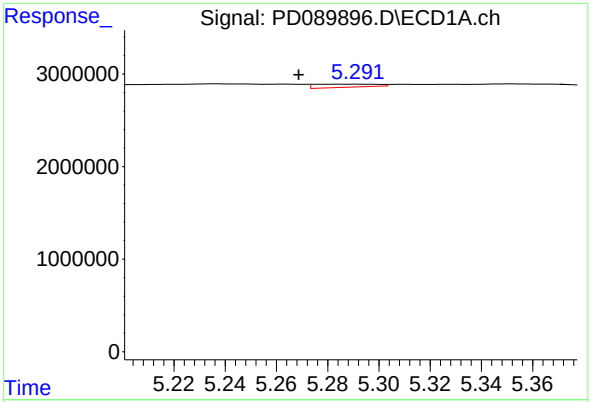
#4 Heptachlor

R.T.: 4.948 min
Delta R.T.: 0.021 min
Response: 2395770
Conc: 0.50 ng/ml



#4 Heptachlor

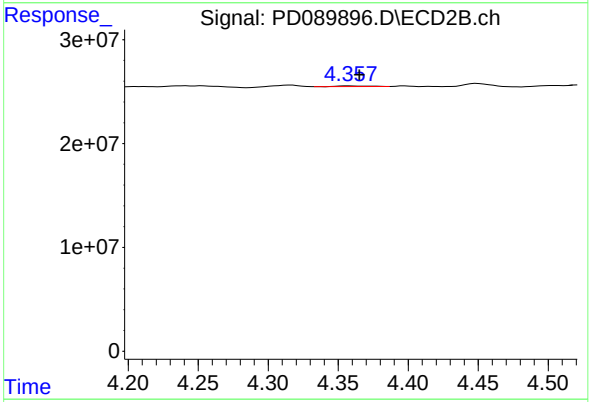
R.T.: 4.074 min
Delta R.T.: -0.005 min
Response: 13930067
Conc: 0.60 ng/ml



#5 Aldrin

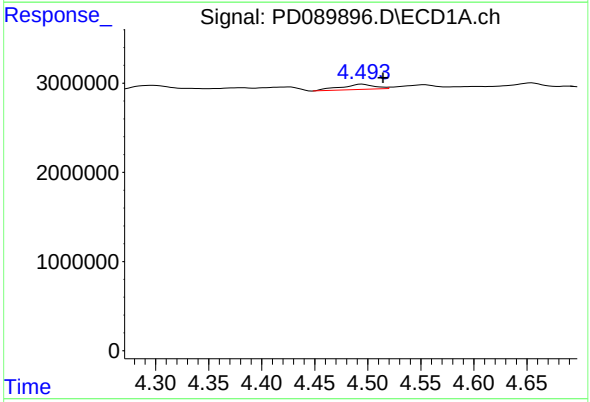
R.T.: 5.293 min
Delta R.T.: 0.024 min
Response: 560594
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S



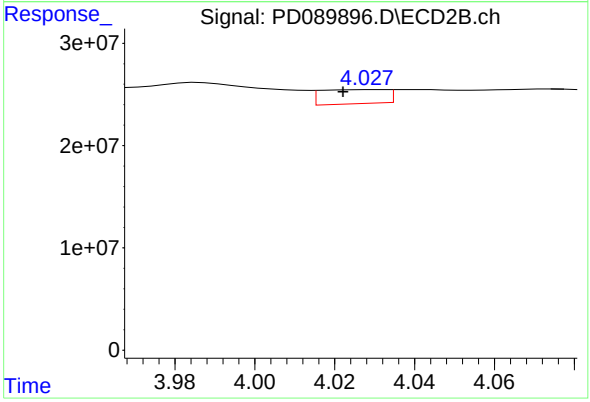
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: -0.007 min
Response: 982121
Conc: 0.04 ng/ml



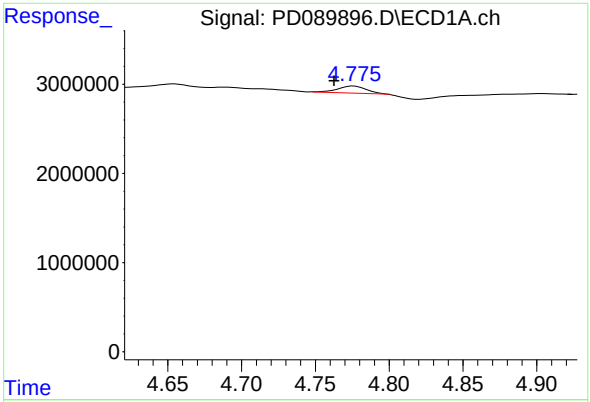
#6 beta-BHC

R.T.: 4.495 min
Delta R.T.: -0.020 min
Response: 1297955
Conc: 0.70 ng/ml



#6 beta-BHC

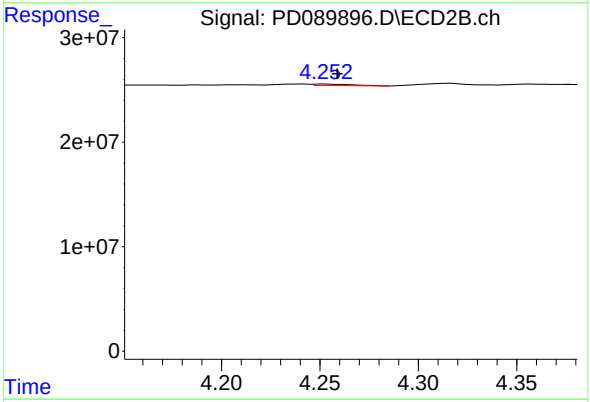
R.T.: 4.030 min
Delta R.T.: 0.008 min
Response: 15863545
Conc: 1.64 ng/ml



#7 delta-BHC

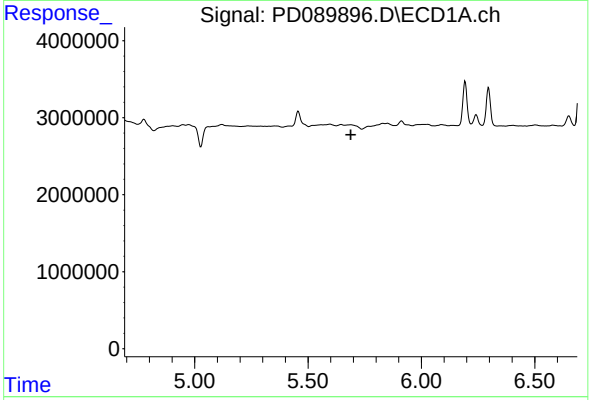
R.T.: 4.776 min
Delta R.T.: 0.013 min
Response: 999530
Conc: 0.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S



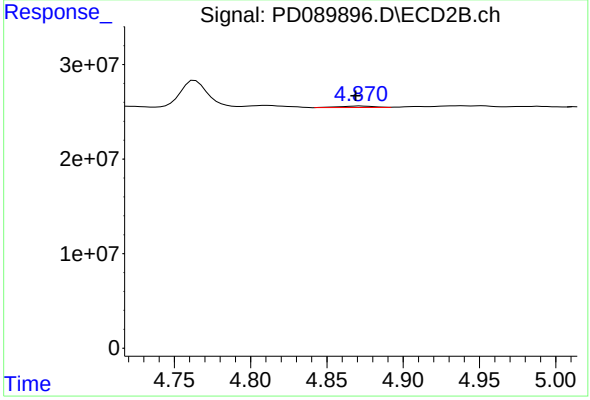
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.006 min
Response: 1916868
Conc: 0.08 ng/ml



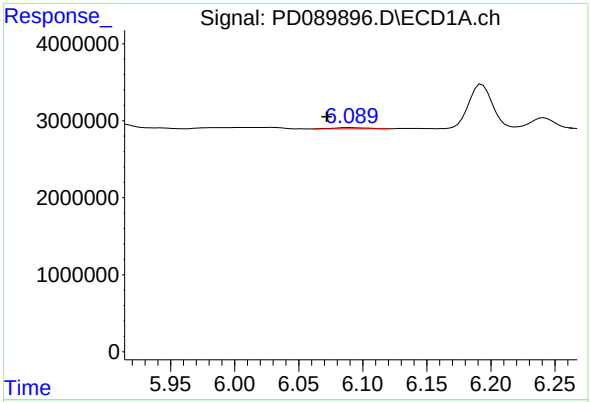
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.689 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

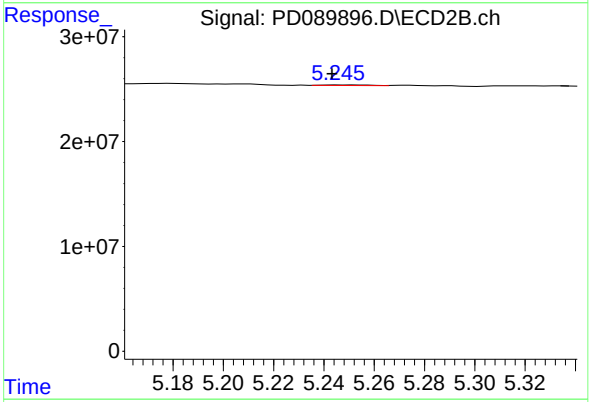
R.T.: 4.872 min
Delta R.T.: 0.003 min
Response: 2507473
Conc: 0.12 ng/ml



#9 Endosulfan I

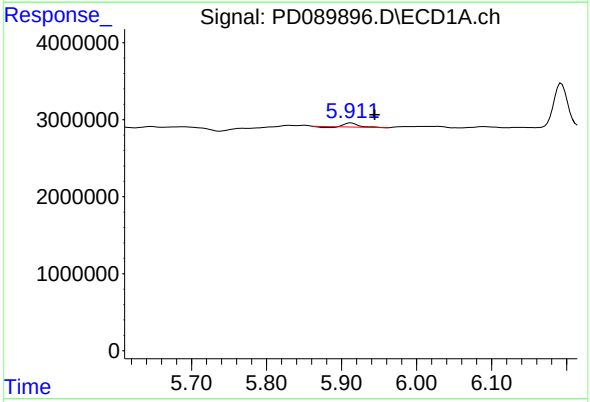
R.T.: 6.090 min
Delta R.T.: 0.018 min
Response: 273972
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S



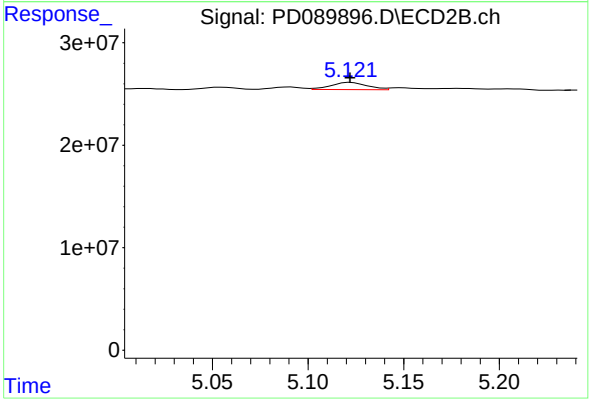
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.003 min
Response: 692248
Conc: 0.04 ng/ml



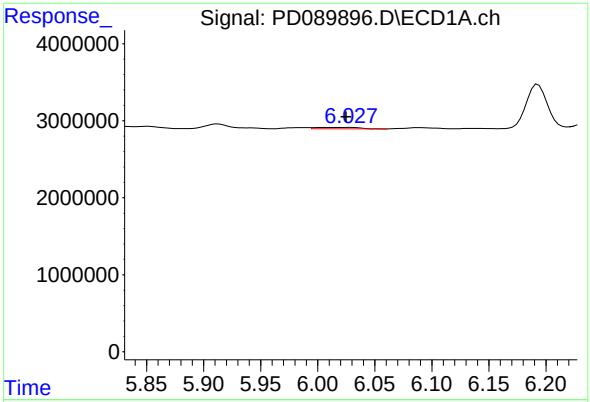
#10 gamma-Chlordane

R.T.: 5.913 min
Delta R.T.: -0.032 min
Response: 564642
Conc: 0.14 ng/ml



#10 gamma-Chlordane

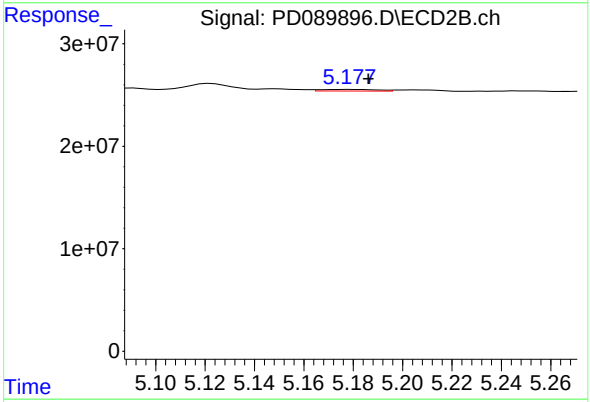
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 9339065
Conc: 0.43 ng/ml



#11 alpha-Chlordane

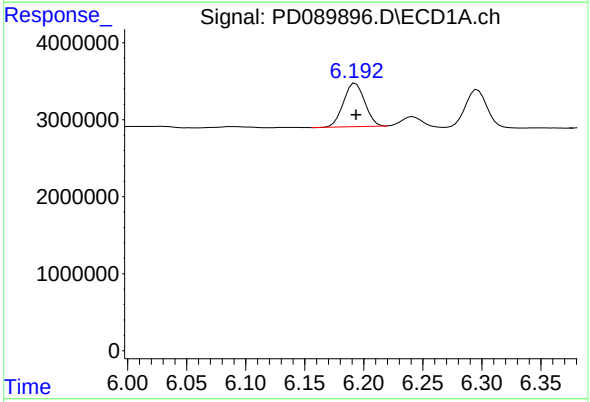
R.T.: 6.028 min
Delta R.T.: 0.003 min
Response: 480496
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S



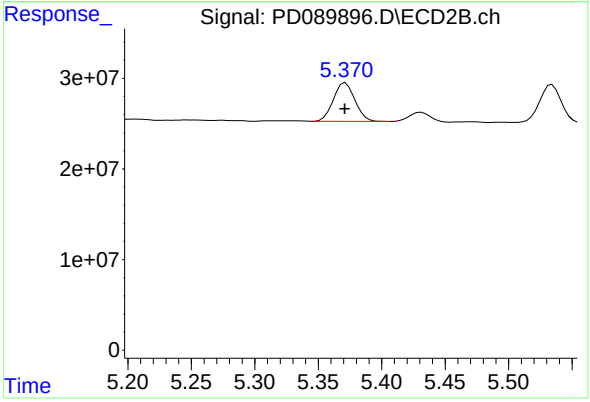
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.007 min
Response: 2552225
Conc: 0.12 ng/ml



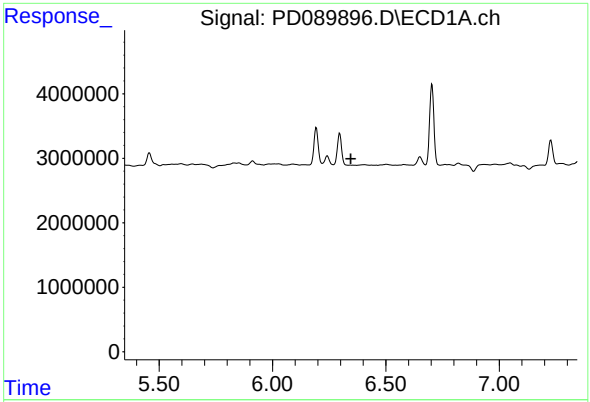
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 7060437
Conc: 1.89 ng/ml



#12 4,4'-DDE

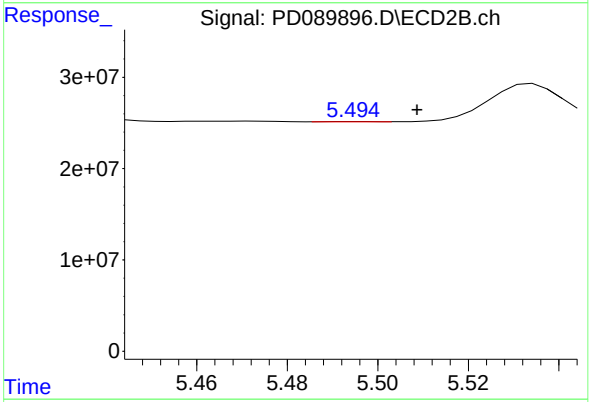
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 50268897
Conc: 2.38 ng/ml



#13 Dieldrin

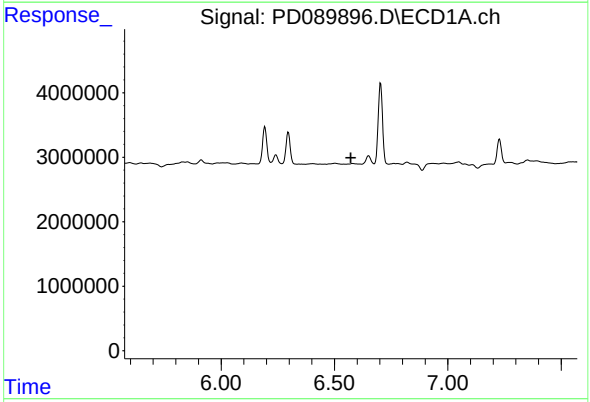
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-S



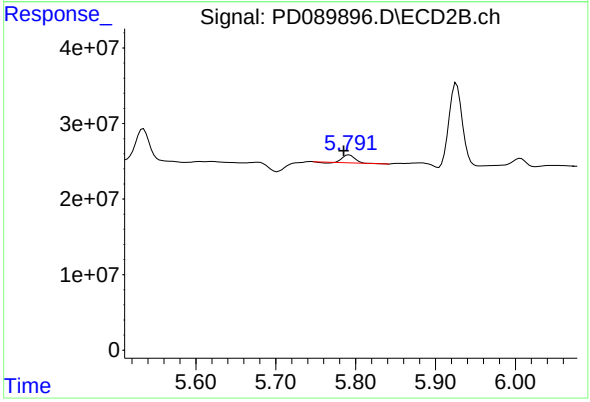
#13 Dieldrin

R.T.: 5.495 min
Delta R.T.: -0.013 min
Response: 252867
Conc: 0.01 ng/ml



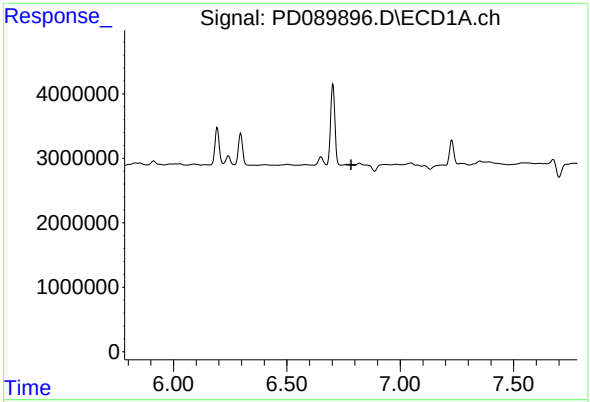
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.



#14 Endrin

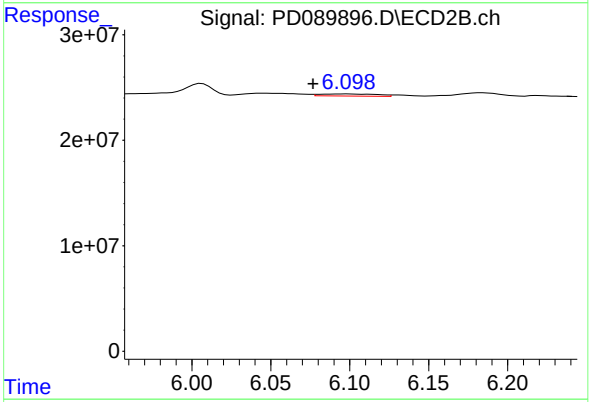
R.T.: 5.792 min
Delta R.T.: 0.007 min
Response: 11049655
Conc: 0.55 ng/ml



#15 Endosulfan II

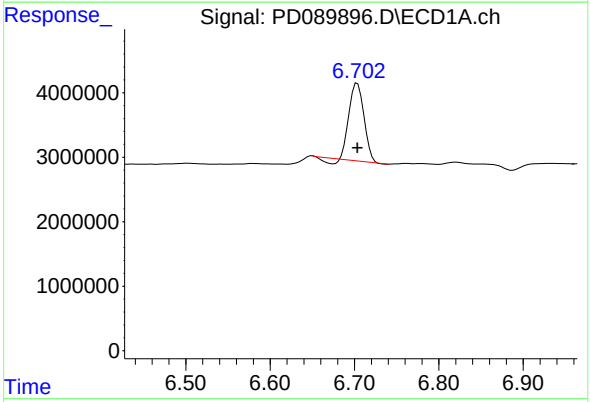
R.T.: 0.000 min
Exp R.T. : 6.784 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-S



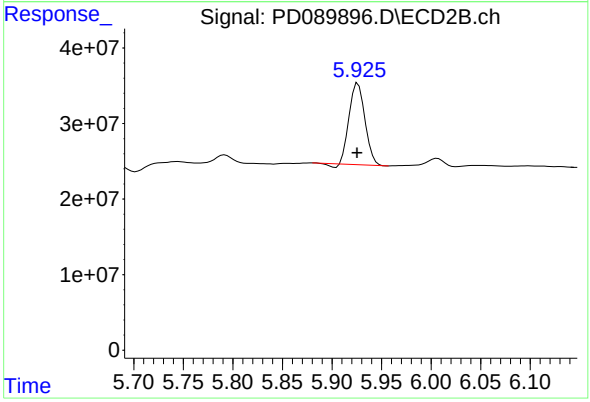
#15 Endosulfan II

R.T.: 6.099 min
Delta R.T.: 0.022 min
Response: 5032449
Conc: 0.27 ng/ml



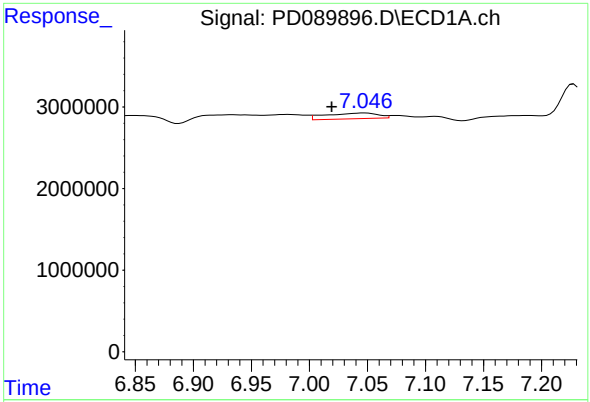
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 14247753
Conc: 4.76 ng/ml



#16 4,4'-DDD

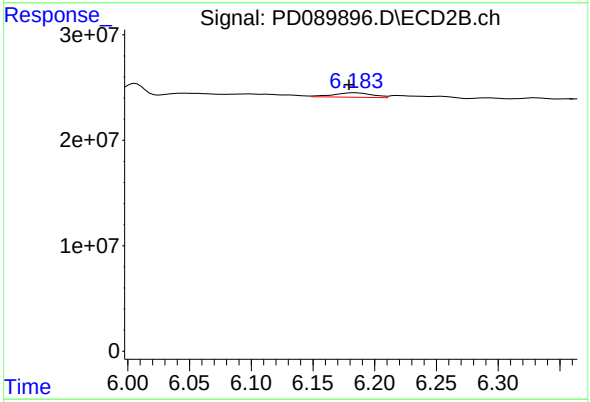
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 118281641
Conc: 6.71 ng/ml



#17 4,4'-DDT

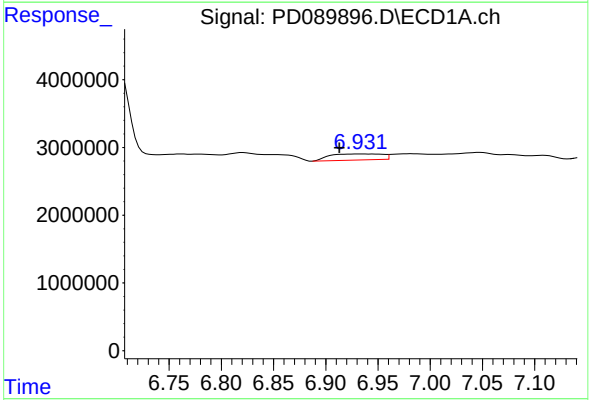
R.T.: 7.048 min
Delta R.T.: 0.028 min
Response: 2188647
Conc: 0.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-S



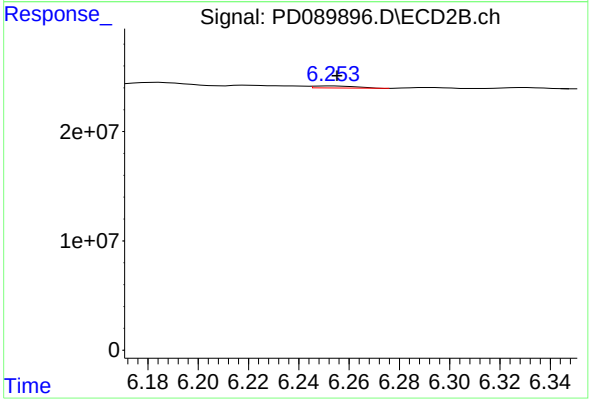
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.005 min
Response: 9272441
Conc: 0.50 ng/ml



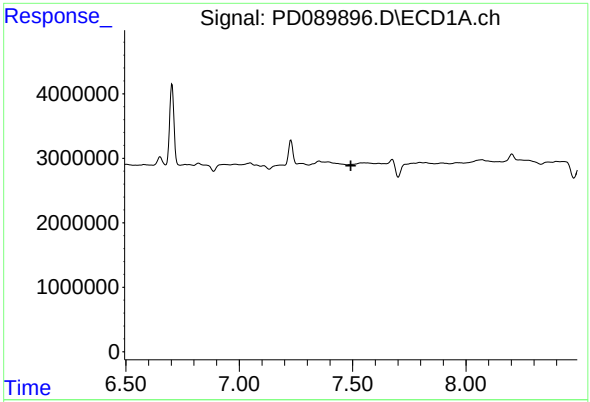
#18 Endrin aldehyde

R.T.: 6.933 min
Delta R.T.: 0.020 min
Response: 3159464
Conc: 1.27 ng/ml



#18 Endrin aldehyde

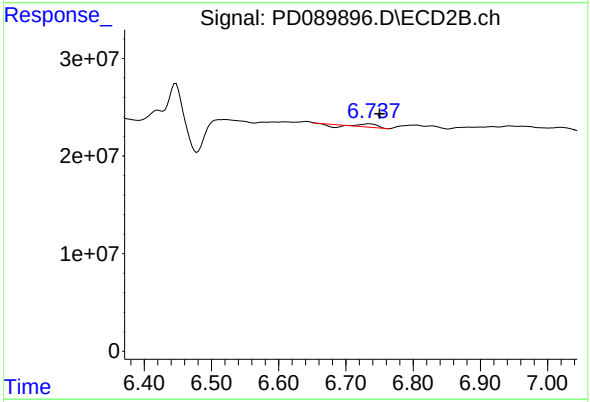
R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 2289461
Conc: 0.18 ng/ml



#20 Methoxychlor

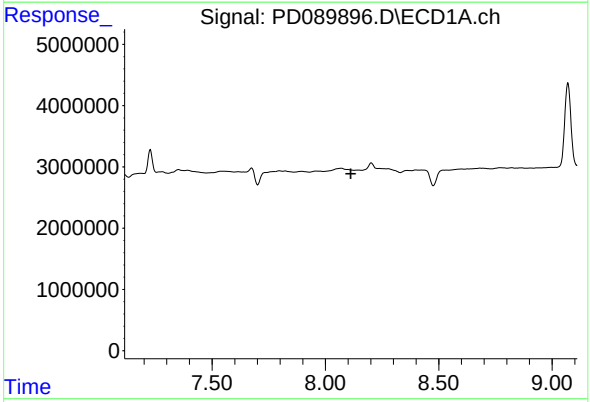
R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-S



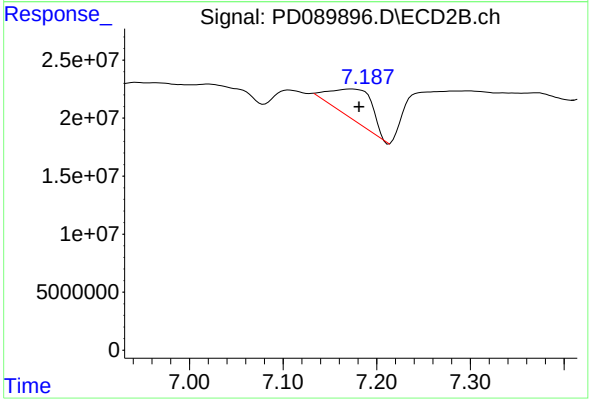
#20 Methoxychlor

R.T.: 6.735 min
Delta R.T.: -0.015 min
Response: 3516746
Conc: 0.36 ng/ml



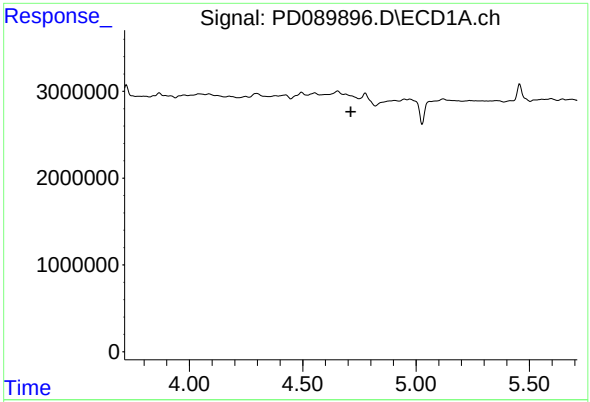
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

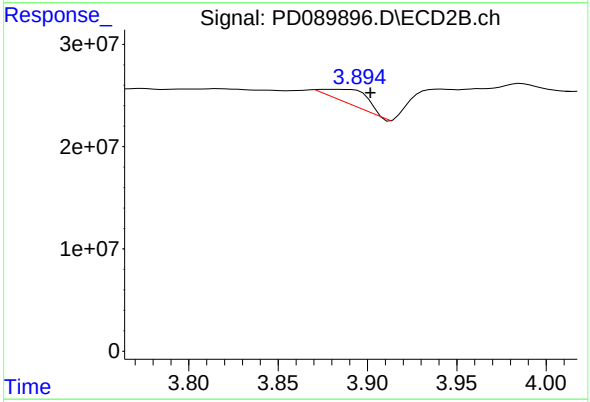
R.T.: 7.173 min
Delta R.T.: -0.008 min
Response: 80718322
Conc: 5.30 ng/ml



#23 Chlordane-1

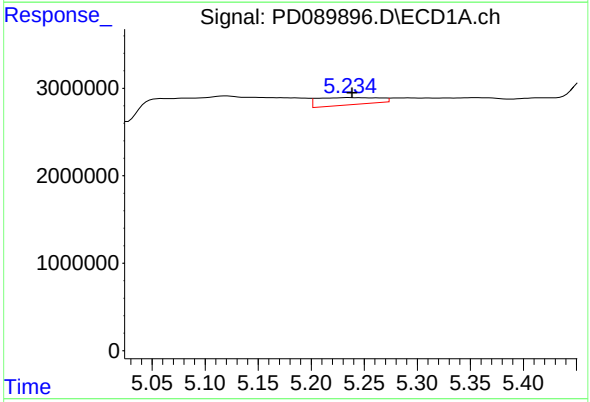
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-S



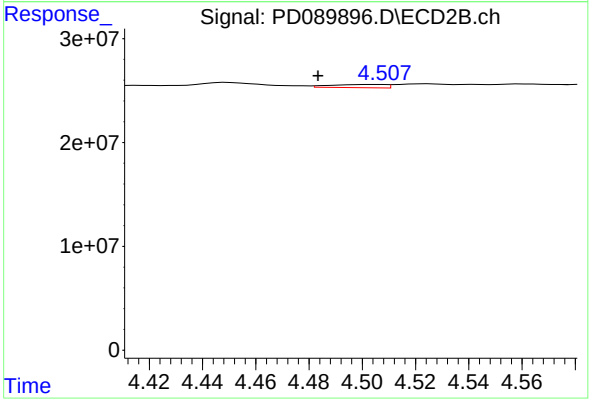
#23 Chlordane-1

R.T.: 3.883 min
Delta R.T.: -0.018 min
Response: 22643694
Conc: 30.96 ng/ml



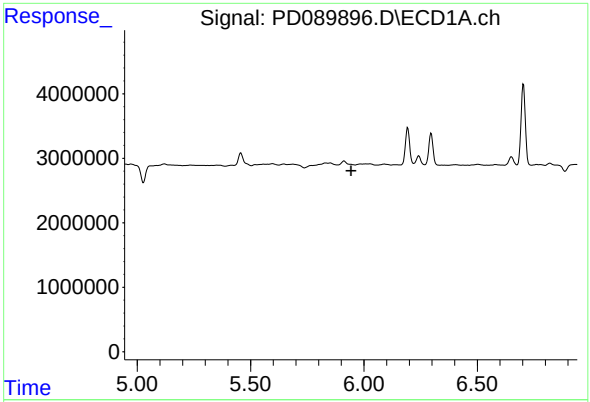
#24 Chlordane-2

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 3353295
Conc: 19.73 ng/ml



#24 Chlordane-2

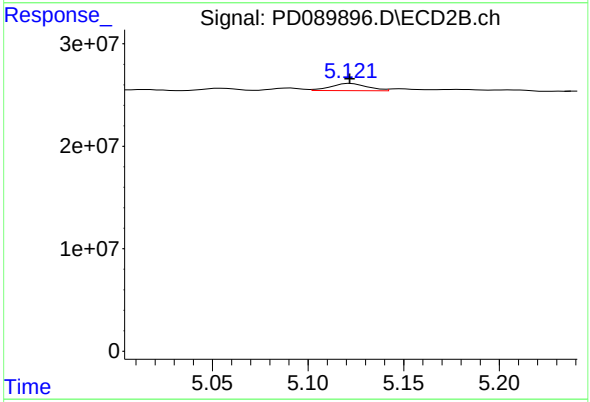
R.T.: 4.503 min
Delta R.T.: 0.020 min
Response: 4415918
Conc: 5.78 ng/ml



#25 Chlordane-3

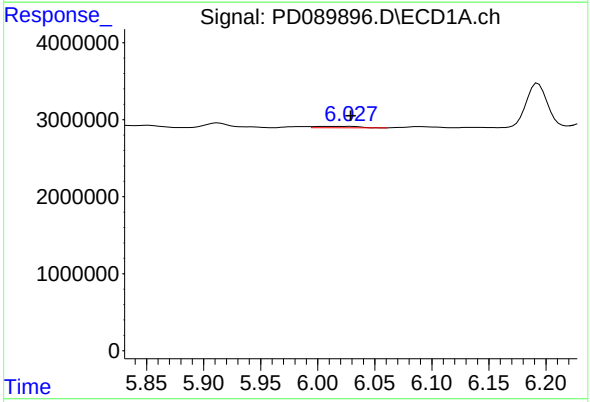
R.T.: 0.000 min
Exp R.T. : 5.944 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-S



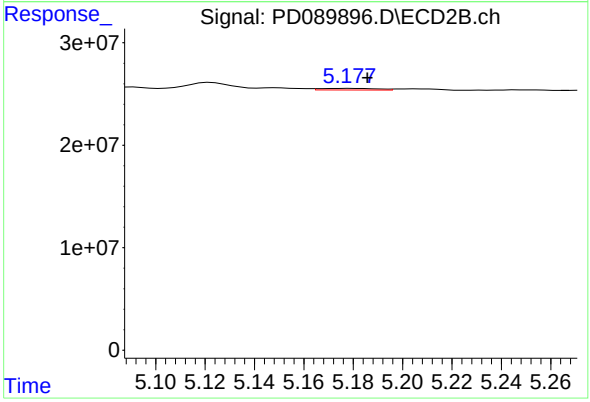
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 9339065
Conc: 4.04 ng/ml



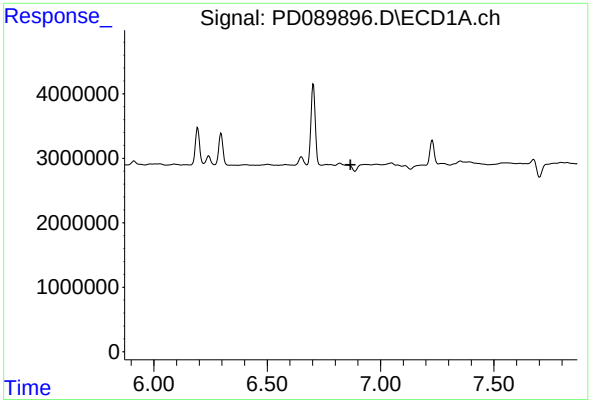
#26 Chlordane-4

R.T.: 6.028 min
Delta R.T.: -0.001 min
Response: 480496
Conc: 0.57 ng/ml



#26 Chlordane-4

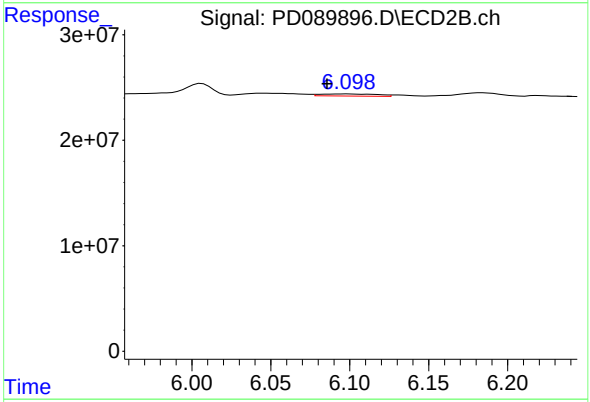
R.T.: 5.179 min
Delta R.T.: -0.007 min
Response: 2552225
Conc: 1.28 ng/ml



#27 Chlordane-5

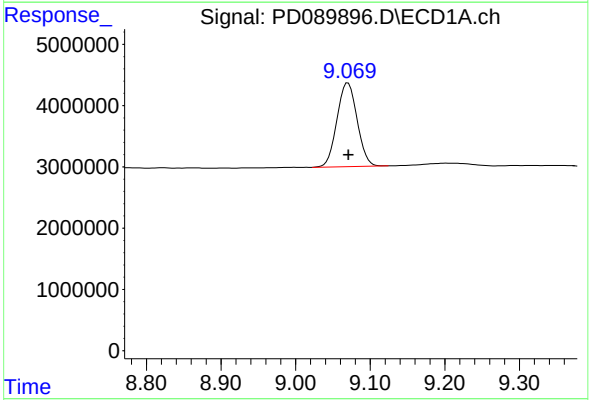
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-S



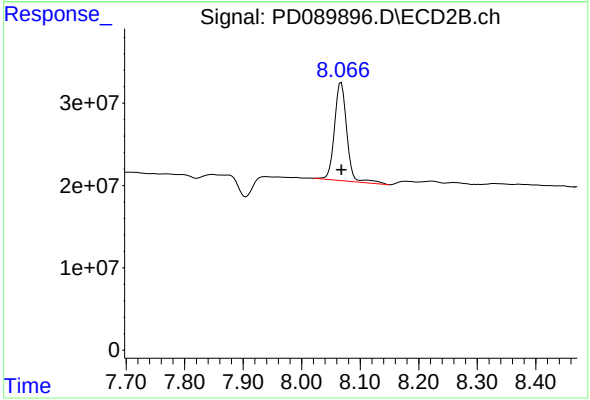
#27 Chlordane-5

R.T.: 6.099 min
Delta R.T.: 0.013 min
Response: 5032449
Conc: 5.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 25705134
Conc: 6.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 174056092
Conc: 8.67 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:55
Operator : AR\AJ
Sample : Q2820-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:27:51 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	2.879	47188886	868.0E6	19.131	54.807	#
28)	SA Decachlor...	9.071	8.068	57881423	366.6E6	15.575	18.261	
	Target Compounds							
2)	A alpha-BHC	0.000	3.378	0	122.5E6	N.D.	5.042	#
3)	MA gamma-BHC...	4.329	3.715	193716	576884	0.041	0.026	#
4)	MA Heptachlor	4.947f	4.084	1523453	8243741	0.317	0.355	
5)	MB Aldrin	5.289f	4.364	184888	3170330	0.041	0.142	#
6)	B beta-BHC	4.494f	4.036	1010531	15269306	0.548	1.582	#
7)	B delta-BHC	4.776	4.260	2419728	1849559	0.528	0.081	#
8)	B Heptachlo...	5.702	4.852f	1423999	9253276	0.341	0.450	#
9)	A Endosulfan I	6.042f	5.238	1042661	223541	0.263	0.011	#
10)	B gamma-Chl...	5.916f	5.124	817587	5244979	0.196	0.242	
11)	B alpha-Chl...	6.042f	5.209f	1042661	4262812	0.248	0.205	
12)	B 4,4'-DDE	6.193	5.372	2347727	19427702	0.629	0.919	#
13)	MA Dieldrin	0.000	5.496	0	258590	N.D.	0.012	#
14)	MA Endrin	0.000	5.792	0	18220729	N.D.	0.914	#
15)	B Endosulfa...	6.775	6.097f	270382	2335381	0.074	0.124	#
16)	A 4,4'-DDD	6.703	5.927	6004995	34220091	2.005	1.941	
17)	MA 4,4'-DDT	7.041f	6.186	2200995	9154765	0.655	0.498	
18)	B Endrin al...	6.936f	6.241	5077184	2118933	2.034	0.164	#
20)	A Methoxychlor	7.510f	6.737	91727	-44696	0.051	N.D.	#
22)	Mirex	0.000	7.167	0	33314529	N.D.	2.189	#
23)	Chlordane-1	0.000	3.896	0	11489695	N.D.	15.709	#
24)	Chlordane-2	5.247	4.448f	1122865	7532002	6.608	9.854	#
25)	Chlordane-3	5.916f	5.124	817587	5244979	1.192	2.266	#
26)	Chlordane-4	6.042	5.209f	1042661	4262812	1.246	2.143	#
27)	Chlordane-5	0.000	6.097	0	2335381	N.D.	2.581	#

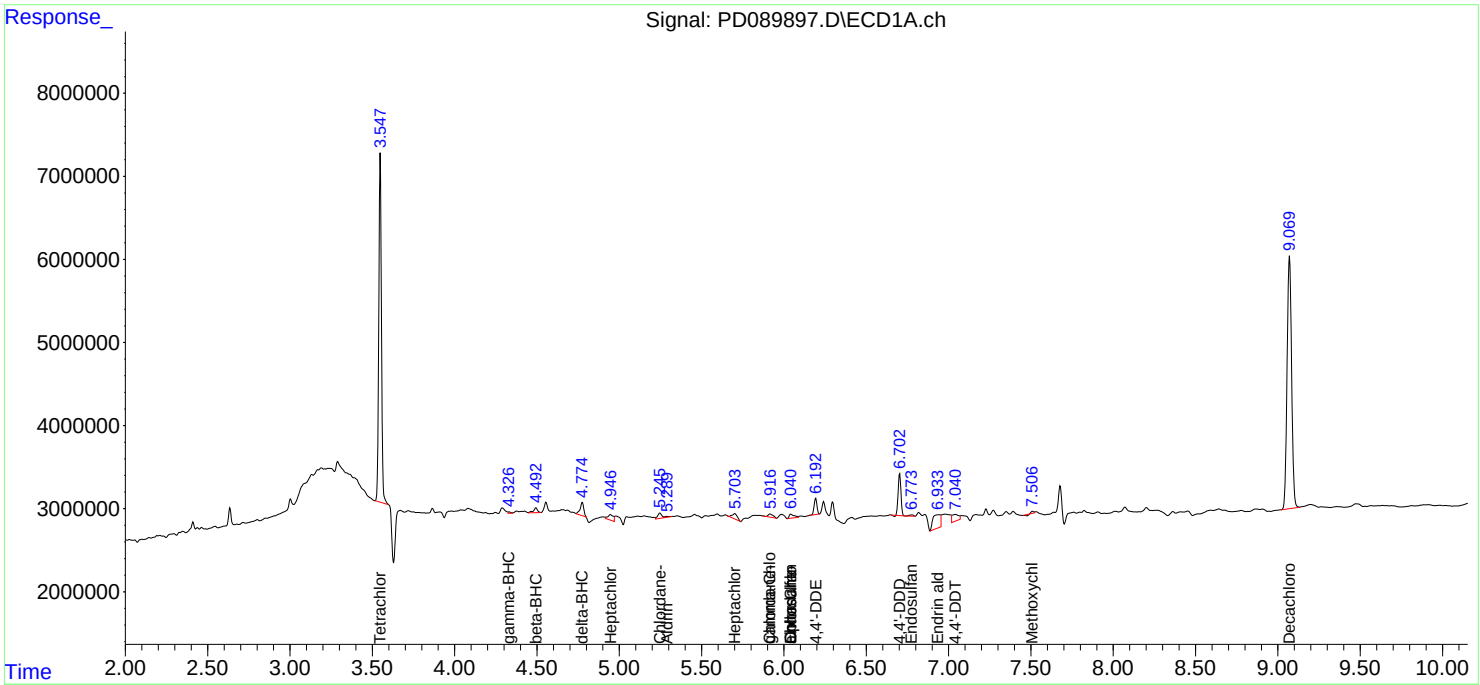
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

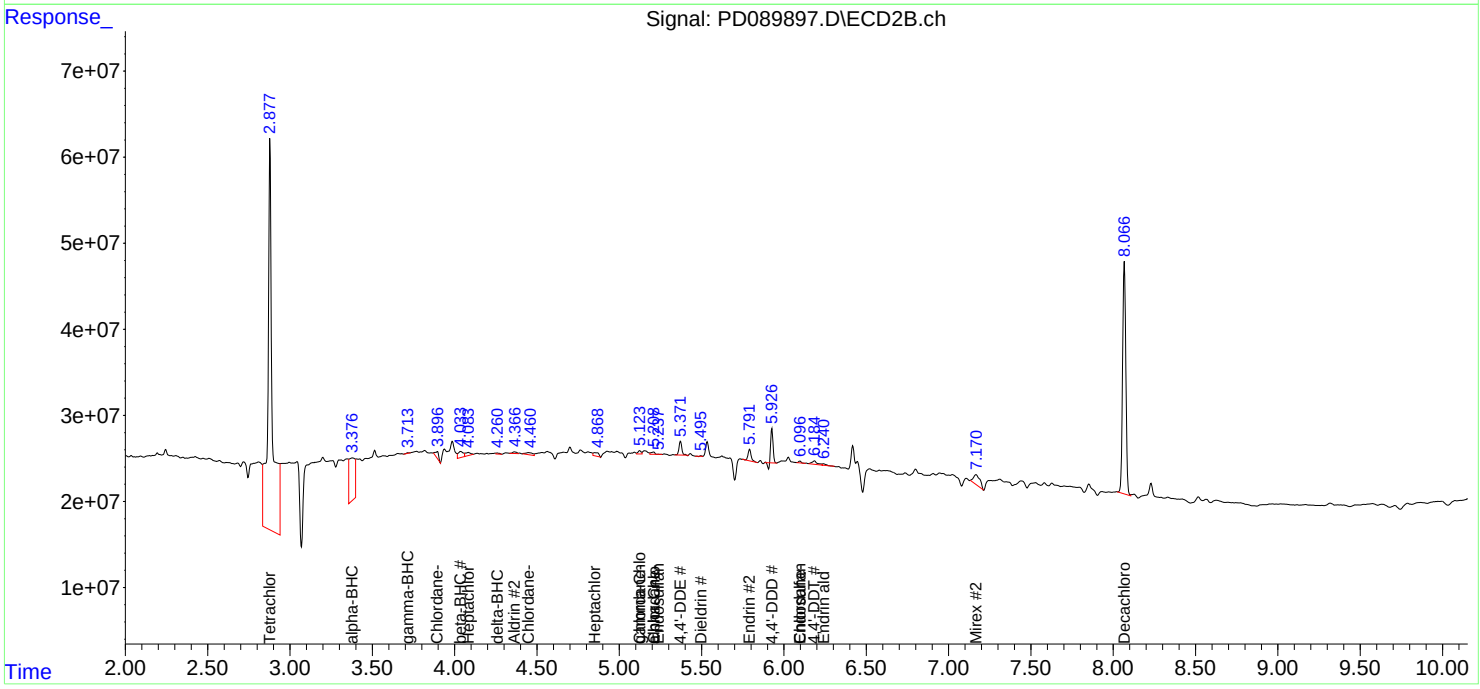
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:55
Operator : AR\AJ
Sample : Q2820-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

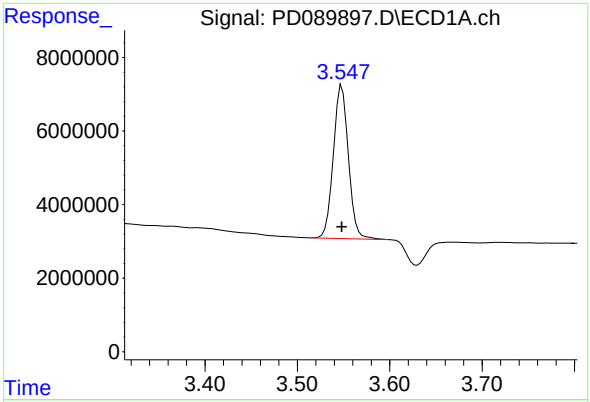
Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:27:51 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



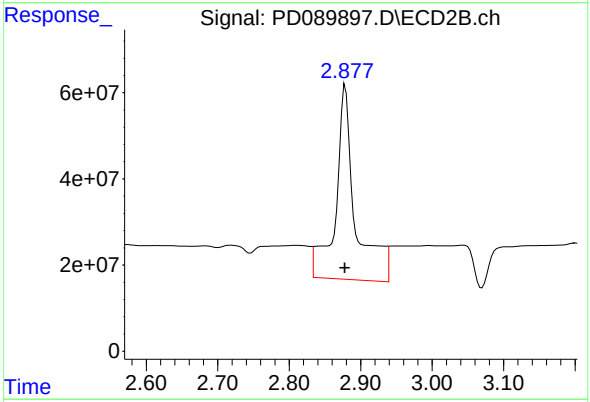




#1 Tetrachloro-m-xylene

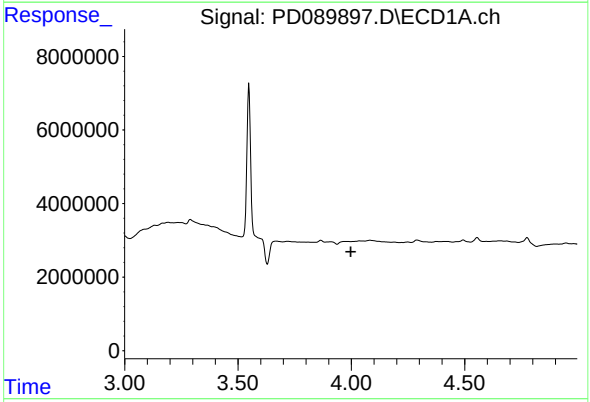
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 47188886
Conc: 19.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



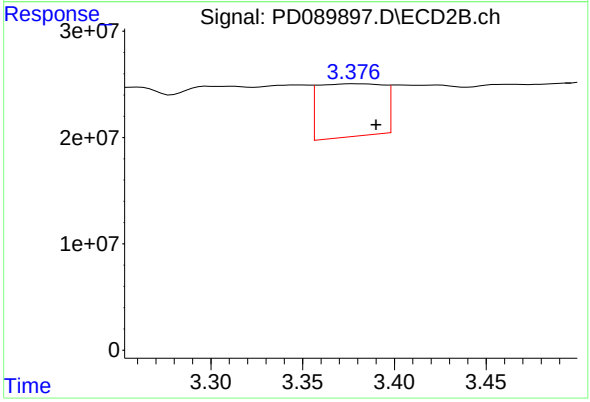
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 868027673
Conc: 54.81 ng/ml



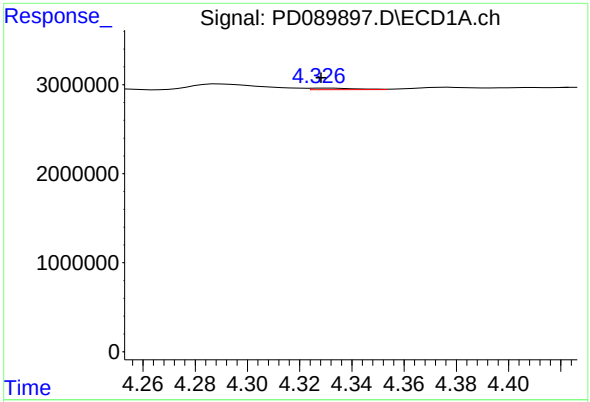
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

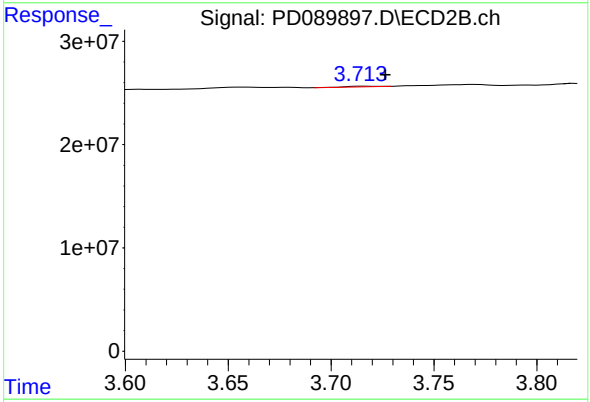
R.T.: 3.378 min
Delta R.T.: -0.012 min
Response: 122545892
Conc: 5.04 ng/ml



#3 gamma-BHC (Lindane)

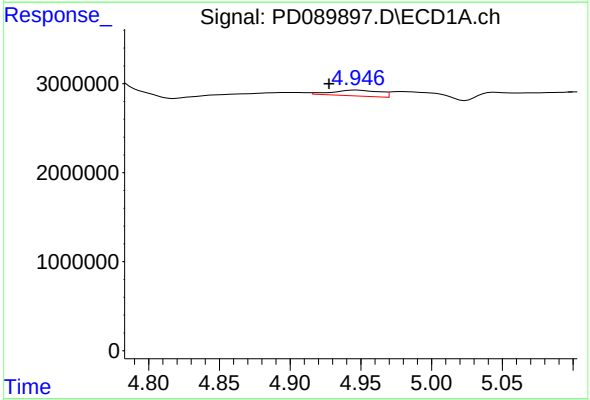
R.T.: 4.329 min
Delta R.T.: 0.001 min
Response: 193716
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



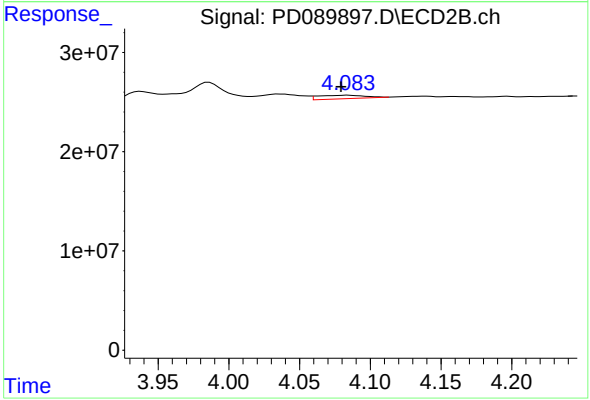
#3 gamma-BHC (Lindane)

R.T.: 3.715 min
Delta R.T.: -0.012 min
Response: 576884
Conc: 0.03 ng/ml



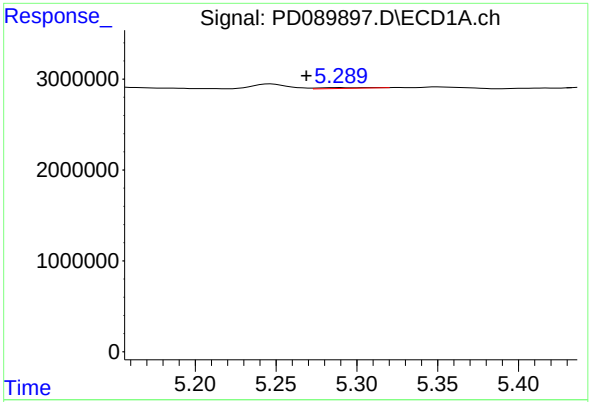
#4 Heptachlor

R.T.: 4.947 min
Delta R.T.: 0.019 min
Response: 1523453
Conc: 0.32 ng/ml



#4 Heptachlor

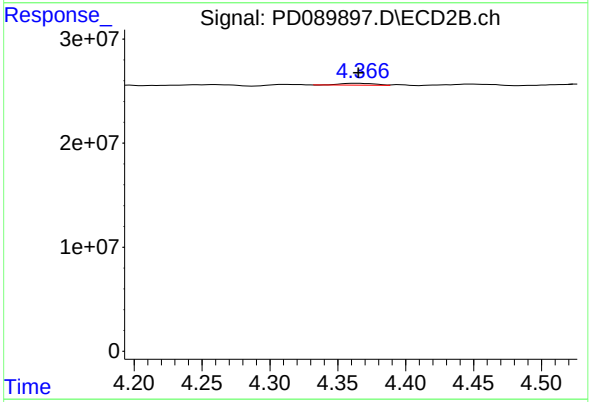
R.T.: 4.084 min
Delta R.T.: 0.005 min
Response: 8243741
Conc: 0.36 ng/ml



#5 Aldrin

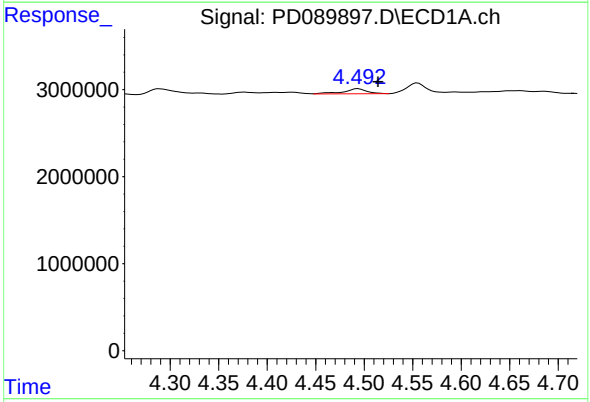
R.T.: 5.289 min
Delta R.T.: 0.020 min
Response: 184888
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



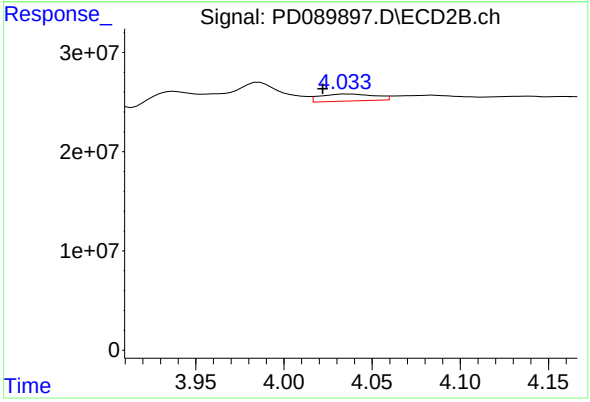
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 3170330
Conc: 0.14 ng/ml



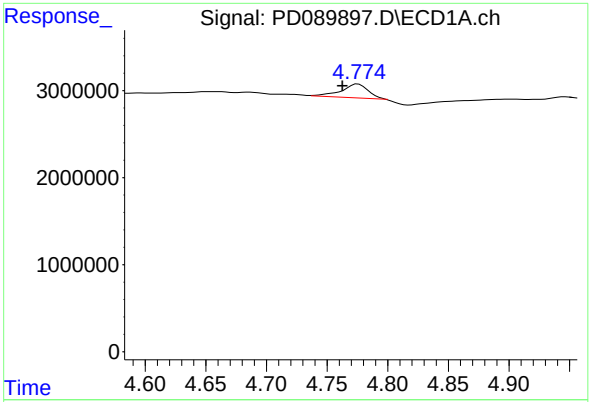
#6 beta-BHC

R.T.: 4.494 min
Delta R.T.: -0.021 min
Response: 1010531
Conc: 0.55 ng/ml



#6 beta-BHC

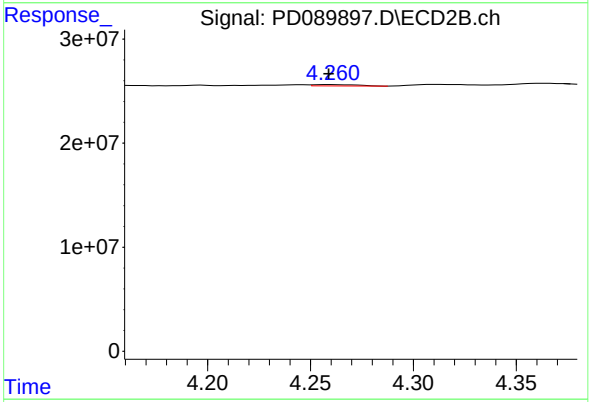
R.T.: 4.036 min
Delta R.T.: 0.014 min
Response: 15269306
Conc: 1.58 ng/ml



#7 delta-BHC

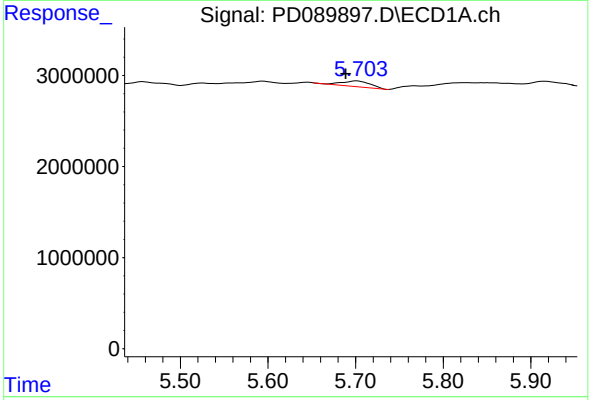
R.T.: 4.776 min
Delta R.T.: 0.013 min
Response: 2419728
Conc: 0.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



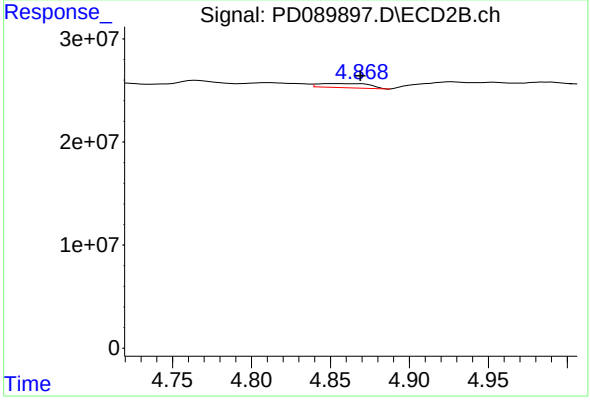
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.001 min
Response: 1849559
Conc: 0.08 ng/ml



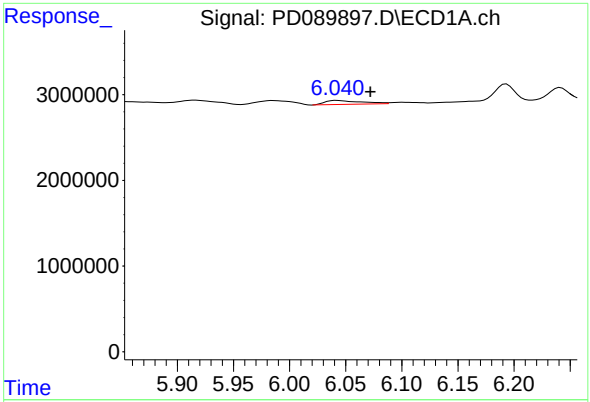
#8 Heptachlor epoxide

R.T.: 5.702 min
Delta R.T.: 0.013 min
Response: 1423999
Conc: 0.34 ng/ml



#8 Heptachlor epoxide

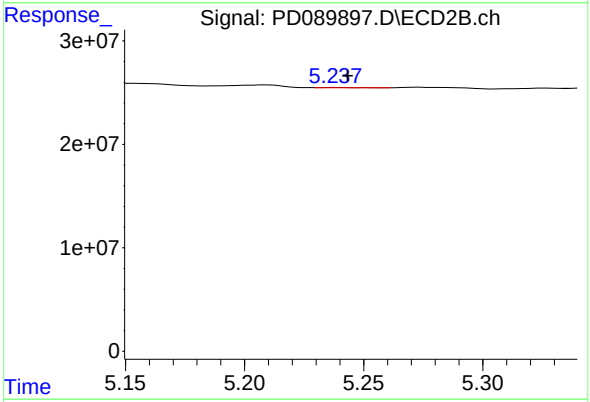
R.T.: 4.852 min
Delta R.T.: -0.016 min
Response: 9253276
Conc: 0.45 ng/ml



#9 Endosulfan I

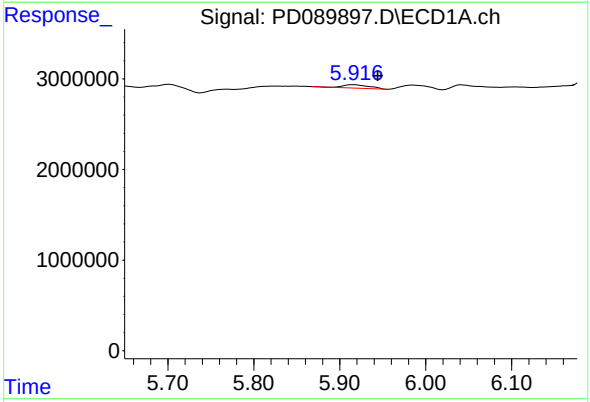
R.T.: 6.042 min
Delta R.T.: -0.030 min
Response: 1042661
Conc: 0.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



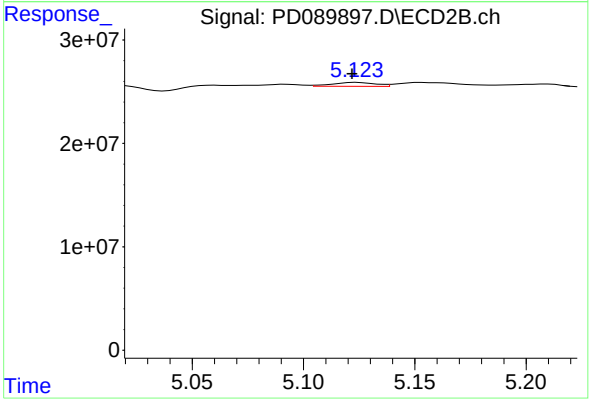
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.005 min
Response: 223541
Conc: 0.01 ng/ml



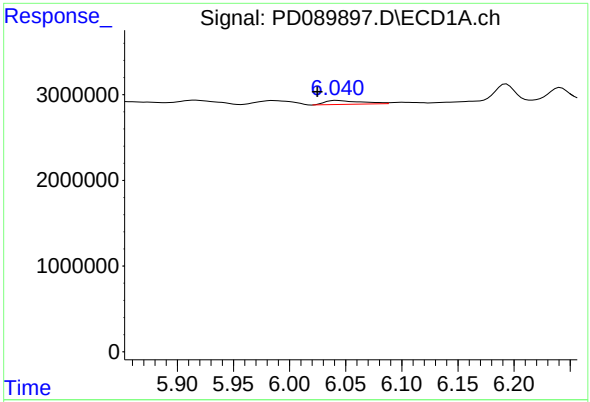
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.028 min
Response: 817587
Conc: 0.20 ng/ml



#10 gamma-Chlordane

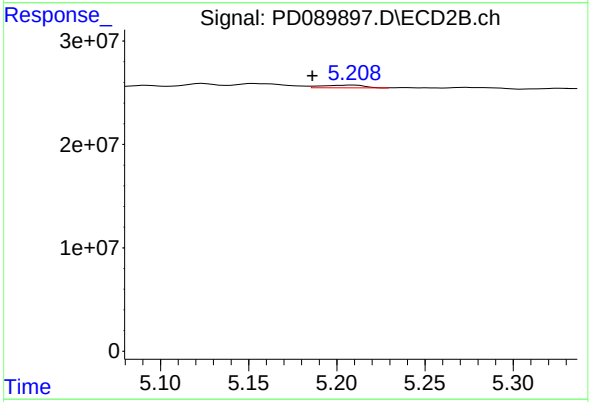
R.T.: 5.124 min
Delta R.T.: 0.002 min
Response: 5244979
Conc: 0.24 ng/ml



#11 alpha-Chlordane

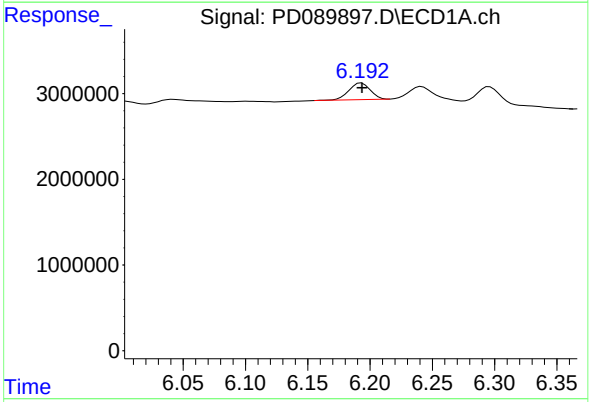
R.T.: 6.042 min
Delta R.T.: 0.017 min
Response: 1042661
Conc: 0.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



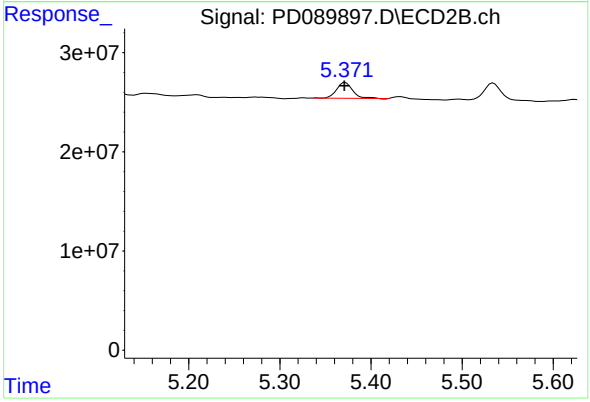
#11 alpha-Chlordane

R.T.: 5.209 min
Delta R.T.: 0.023 min
Response: 4262812
Conc: 0.20 ng/ml



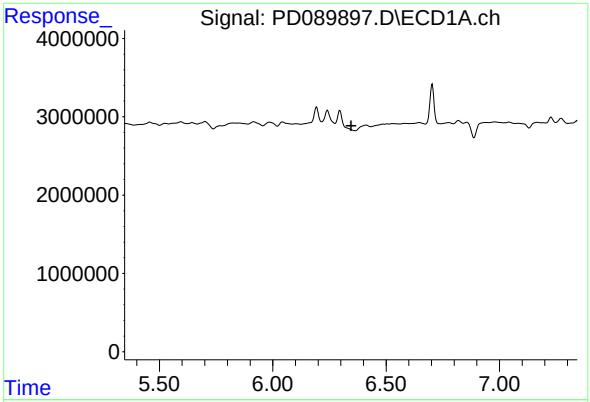
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 2347727
Conc: 0.63 ng/ml



#12 4,4'-DDE

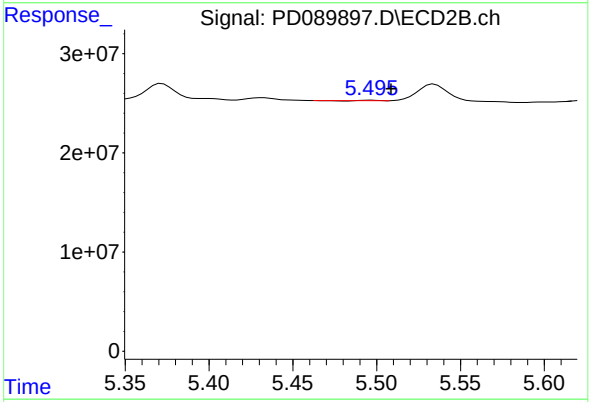
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 19427702
Conc: 0.92 ng/ml



#13 Dieldrin

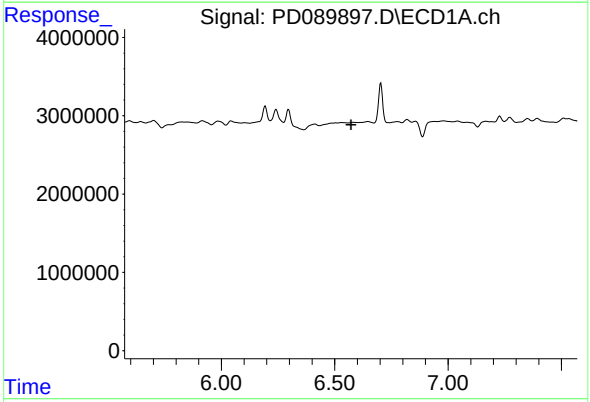
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



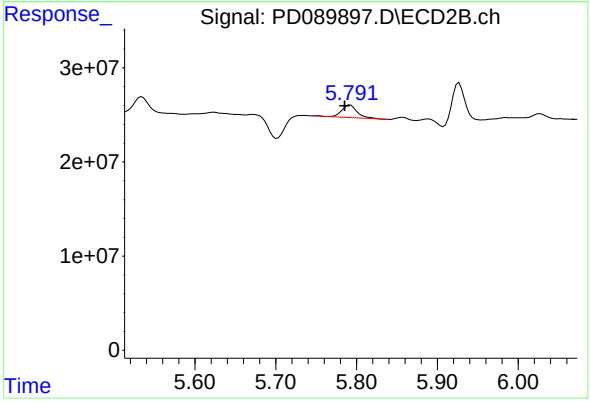
#13 Dieldrin

R.T.: 5.496 min
Delta R.T.: -0.012 min
Response: 258590
Conc: 0.01 ng/ml



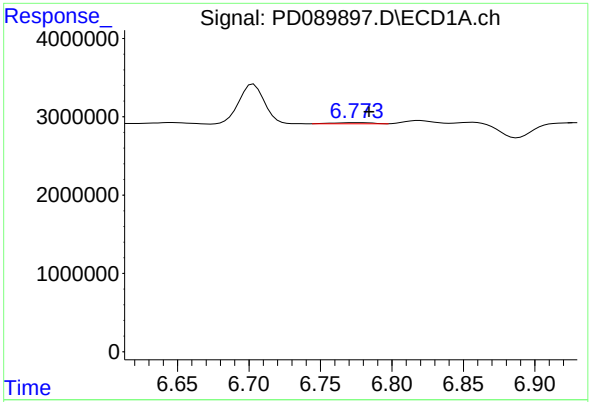
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.



#14 Endrin

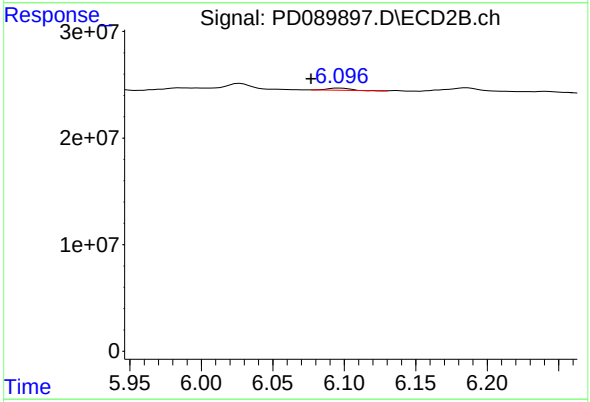
R.T.: 5.792 min
Delta R.T.: 0.007 min
Response: 18220729
Conc: 0.91 ng/ml



#15 Endosulfan II

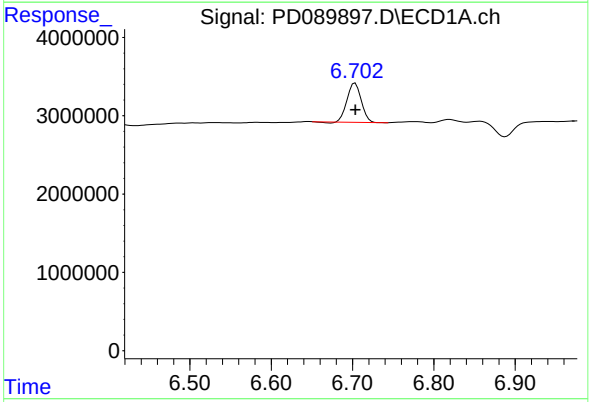
R.T.: 6.775 min
Delta R.T.: -0.009 min
Response: 270382
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



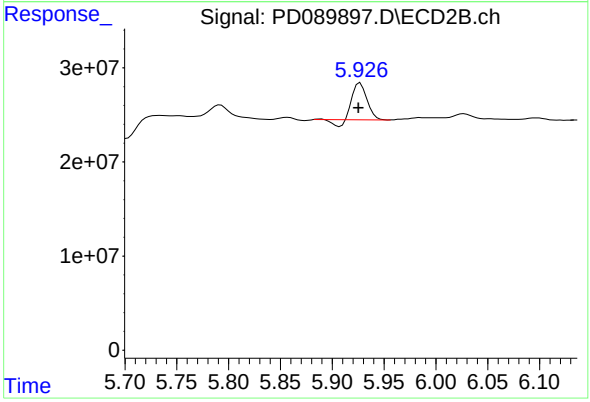
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.020 min
Response: 2335381
Conc: 0.12 ng/ml



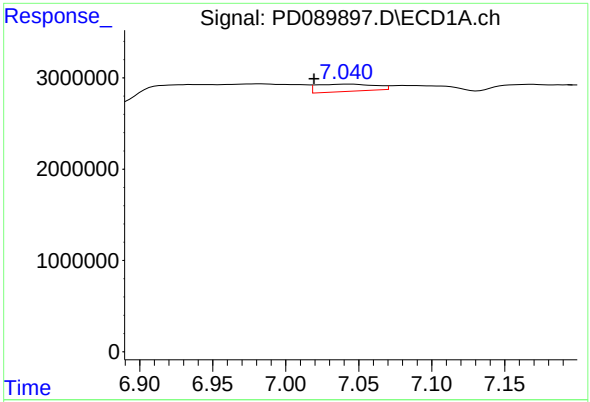
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 6004995
Conc: 2.01 ng/ml



#16 4,4'-DDD

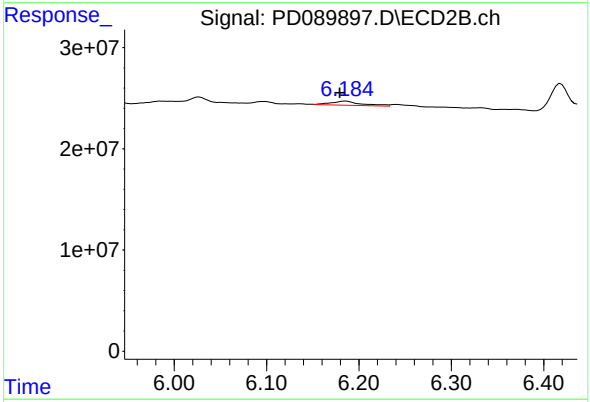
R.T.: 5.927 min
Delta R.T.: 0.002 min
Response: 34220091
Conc: 1.94 ng/ml



#17 4,4'-DDT

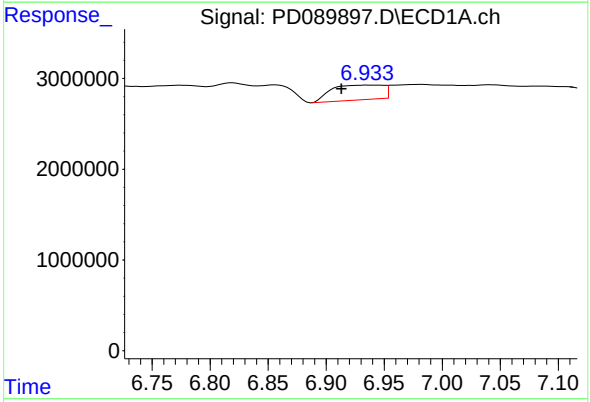
R.T.: 7.041 min
Delta R.T.: 0.022 min
Response: 2200995
Conc: 0.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



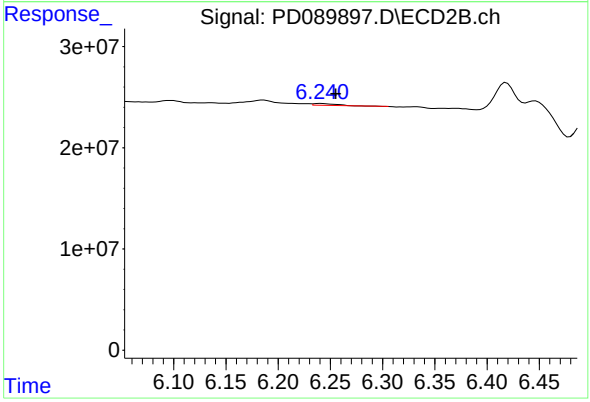
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.006 min
Response: 9154765
Conc: 0.50 ng/ml



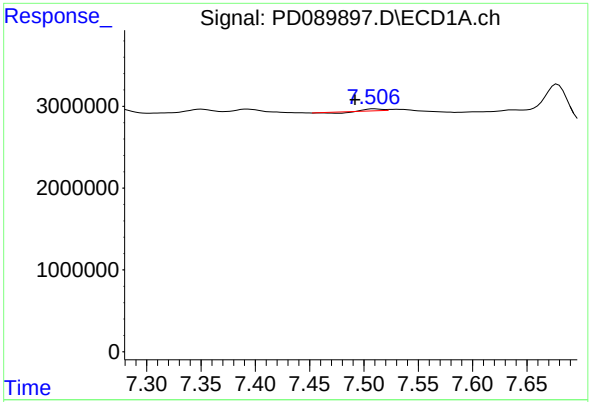
#18 Endrin aldehyde

R.T.: 6.936 min
Delta R.T.: 0.023 min
Response: 5077184
Conc: 2.03 ng/ml



#18 Endrin aldehyde

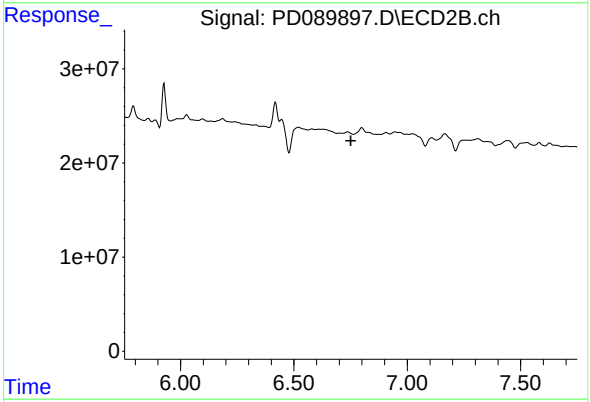
R.T.: 6.241 min
Delta R.T.: -0.015 min
Response: 2118933
Conc: 0.16 ng/ml



#20 Methoxychlor

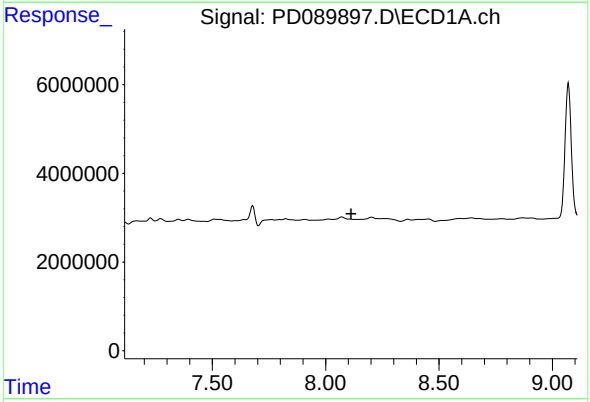
R.T.: 7.510 min
Delta R.T.: 0.018 min
Response: 91727
Conc: 0.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



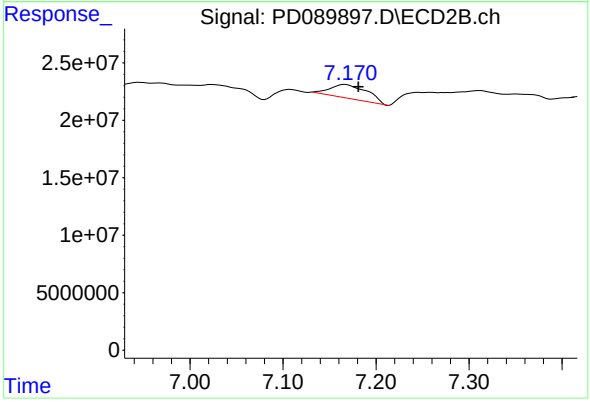
#20 Methoxychlor

R.T.: 6.737 min
Delta R.T.: -0.014 min
Response: -44696
Conc: N.D.



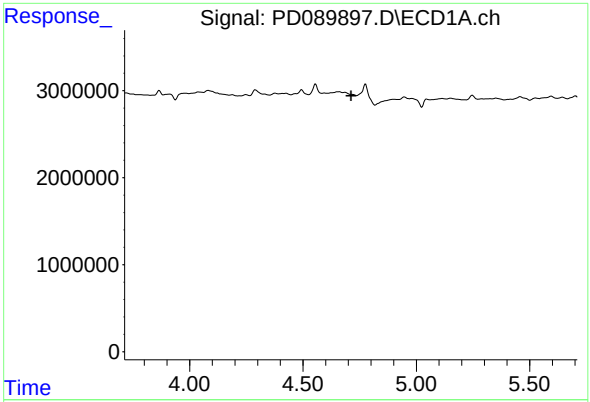
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

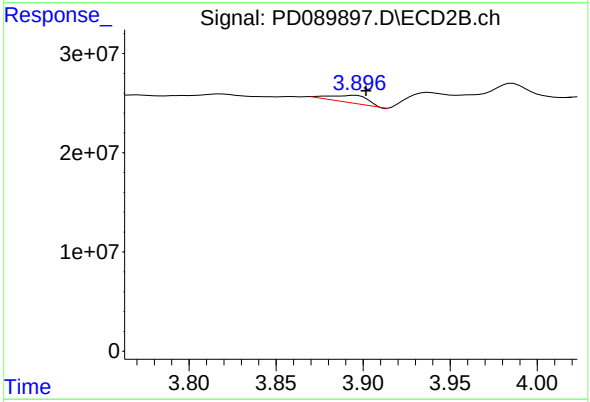
R.T.: 7.167 min
Delta R.T.: -0.014 min
Response: 33314529
Conc: 2.19 ng/ml



#23 Chlordane-1

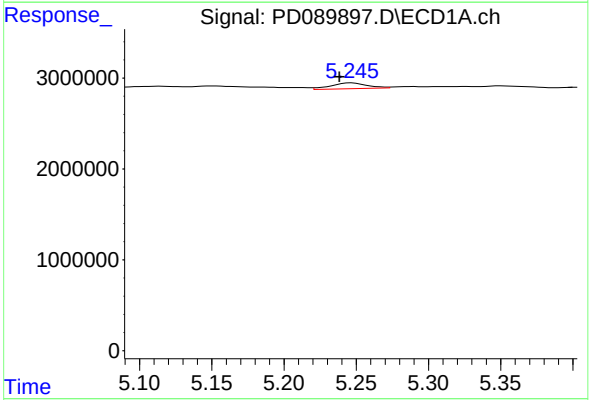
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



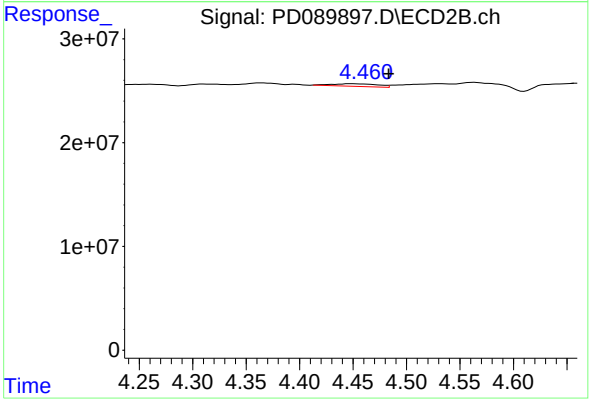
#23 Chlordane-1

R.T.: 3.896 min
Delta R.T.: -0.006 min
Response: 11489695
Conc: 15.71 ng/ml



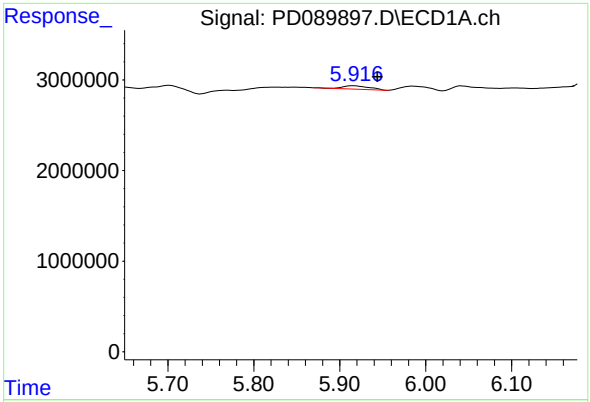
#24 Chlordane-2

R.T.: 5.247 min
Delta R.T.: 0.008 min
Response: 1122865
Conc: 6.61 ng/ml



#24 Chlordane-2

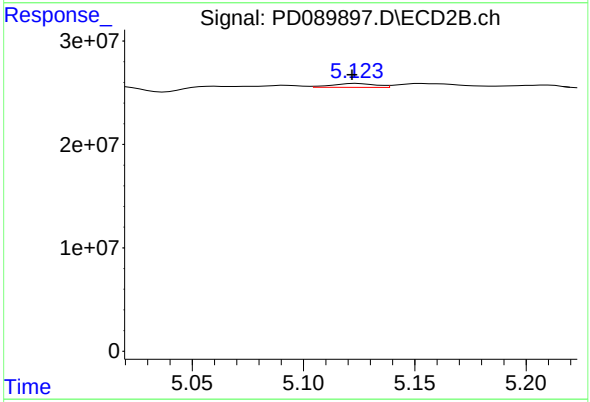
R.T.: 4.448 min
Delta R.T.: -0.036 min
Response: 7532002
Conc: 9.85 ng/ml



#25 Chlordane-3

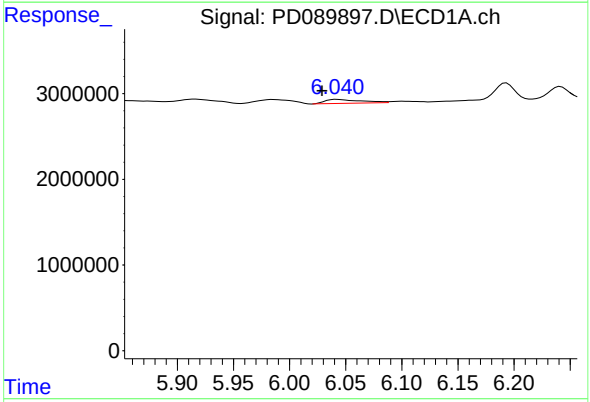
R.T.: 5.916 min
Delta R.T.: -0.028 min
Response: 817587
Conc: 1.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



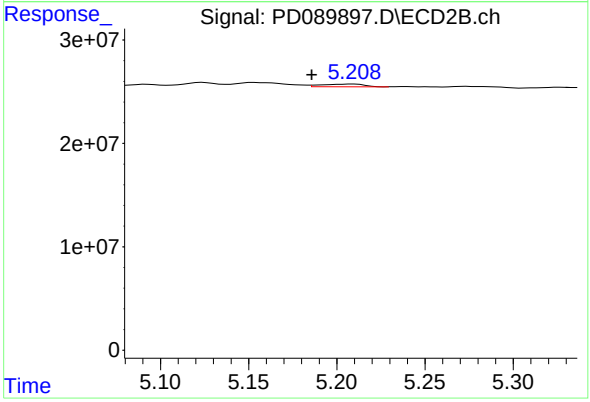
#25 Chlordane-3

R.T.: 5.124 min
Delta R.T.: 0.002 min
Response: 5244979
Conc: 2.27 ng/ml



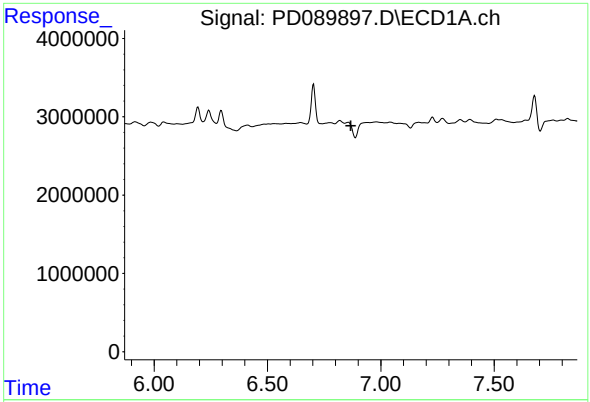
#26 Chlordane-4

R.T.: 6.042 min
Delta R.T.: 0.013 min
Response: 1042661
Conc: 1.25 ng/ml



#26 Chlordane-4

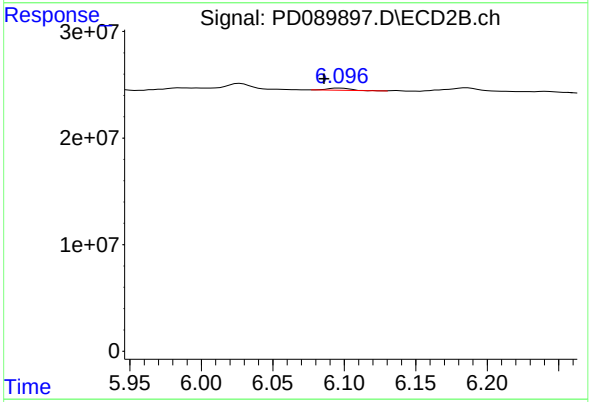
R.T.: 5.209 min
Delta R.T.: 0.023 min
Response: 4262812
Conc: 2.14 ng/ml



#27 Chlordane-5

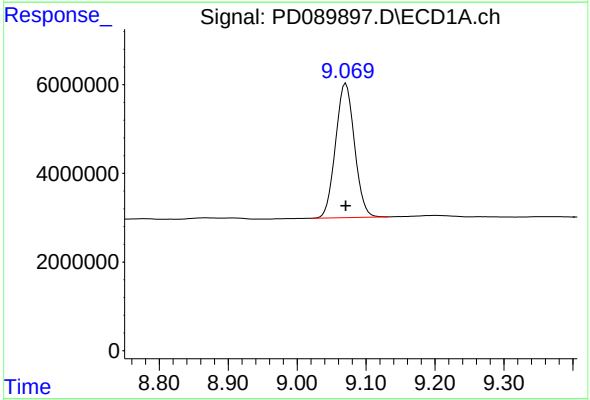
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
SOIL-DUP-2



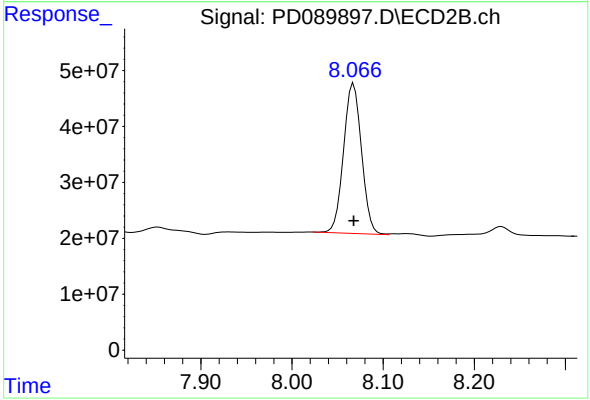
#27 Chlordane-5

R.T.: 6.097 min
Delta R.T.: 0.011 min
Response: 2335381
Conc: 2.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 57881423
Conc: 15.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 366641830
Conc: 18.26 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:09
Operator : AR\AJ
Sample : Q2820-24
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : ECD_D
ClientSampleId : 22M-S

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:28:16 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...	3.549	2.879	28543195	180.9E6	11.572	11.421	
28)	SA Decachlor...	9.069	8.067	62932627	398.0E6	16.934	19.825	
	Target Compounds							
2)	A alpha-BHC	4.013f	3.410f	307881	52232212	0.062	2.149	#
3)	MA gamma-BHC...	4.337	3.726	1586821	-599118	0.334	N.D.	#
4)	MA Heptachlor	4.943f	4.092	2357376	29929633	0.490	1.290	#
5)	MB Aldrin	5.255	4.369	1067376	9468186	0.234	0.426	#
6)	B beta-BHC	4.492f	4.008	1518669	74826777	0.823	7.755	#
7)	B delta-BHC	4.777	0.000	1427643	0	0.311	N.D.	#
8)	B Heptachlo...	5.687	4.867	2523352	58130677	0.604	2.829	#
9)	A Endosulfan I	6.098f	5.254	10890389	28212255	2.748	1.443	#
10)	B gamma-Chl...	5.944	5.122	15328341	82858215	3.668	3.827	
11)	B alpha-Chl...	6.029	5.187	33192127	107.2E6	7.895	5.150	#
12)	B 4,4'-DDE	6.193	5.361	1429958	1495884	0.383	0.071	#
13)	MA Dieldrin	6.351	5.510	1124016	68095163	0.266	3.147	#
14)	MA Endrin	0.000	5.790	0	3328256	N.D.	0.167	#
15)	B Endosulfa...	6.787	6.079	1282207	29656336	0.349	1.578	#
16)	A 4,4'-DDD	6.686f	5.931	13004405	5012524	4.342	0.284	#
17)	MA 4,4'-DDT	7.028	6.176	10314364	23548573	3.070	1.282	#
18)	B Endrin al...	6.921	6.273f	4020406	10004442	1.611	0.774	#
19)	B Endosulfa...	0.000	6.492	0	11352250	N.D.	0.611	#
20)	A Methoxychlor	7.505	6.730f	580206	29350411	0.325	2.996	#
21)	B Endrin ke...	7.614	6.974	1708039	7554335	0.460	0.376	
22)	Mirex	8.087f	7.179	1617428	6051135	0.580	0.398	#
23)	Chlordane-1	4.722	3.896	-1166552	28286503	N.D.	38.675	
24)	Chlordane-2	5.255	4.476	1067376	28509385	6.282	37.298	#
25)	Chlordane-3	5.944	5.122	15328341	82858215	22.350	35.803	#
26)	Chlordane-4	6.029	5.187	33192127	107.2E6	39.651	53.899	#
27)	Chlordane-5	6.867	6.079	2731936	29656336	18.938	32.780	#

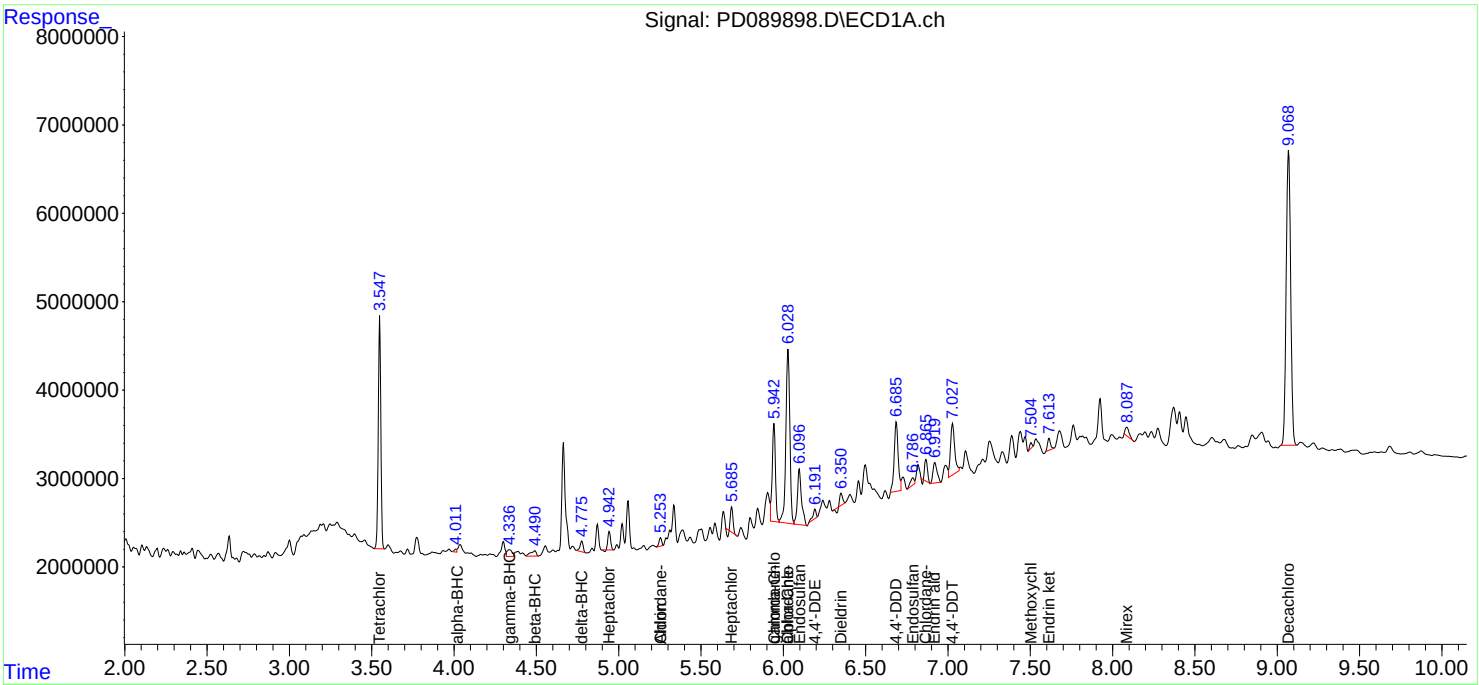
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

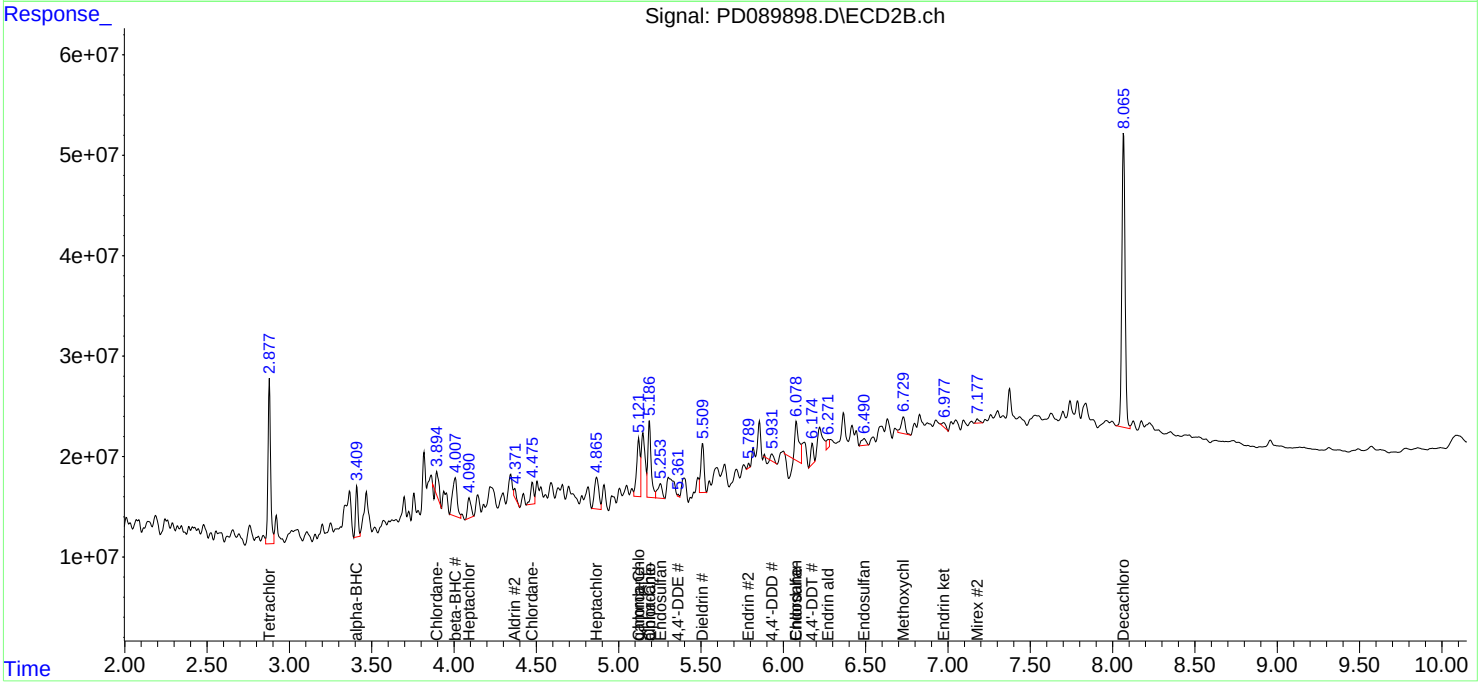
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:09
Operator : AR\AJ
Sample : Q2820-24
Misc :
ALS Vial : 12 Sample Multiplier: 1

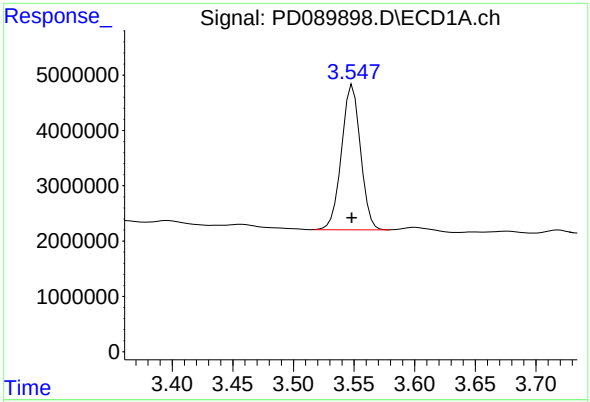
Instrument :
ECD_D
ClientSampleId :
22M-S

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:28:16 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



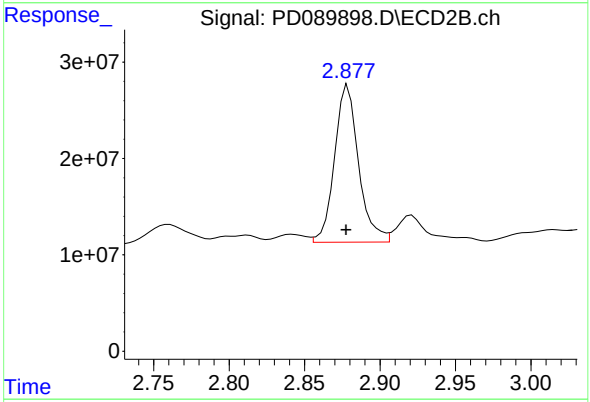




#1 Tetrachloro-m-xylene

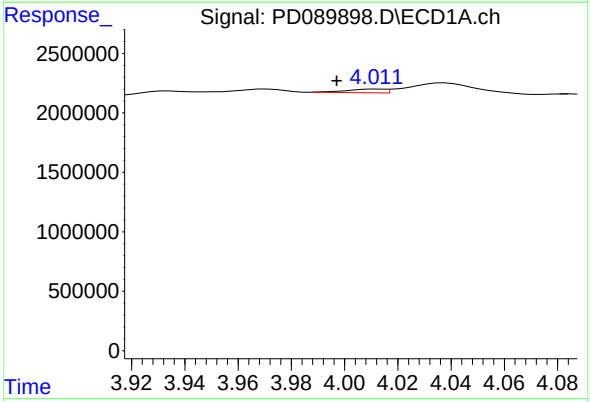
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 28543195
Conc: 11.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



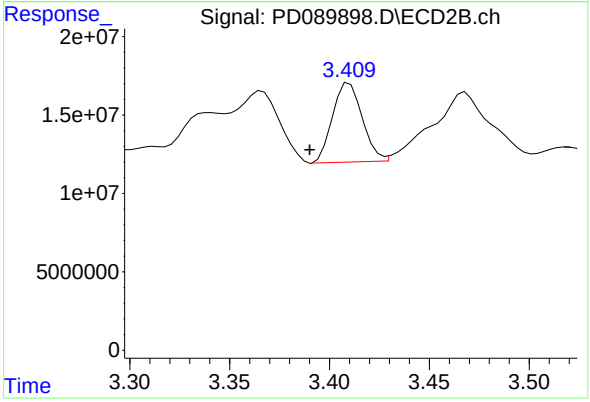
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.001 min
Response: 180884408
Conc: 11.42 ng/ml



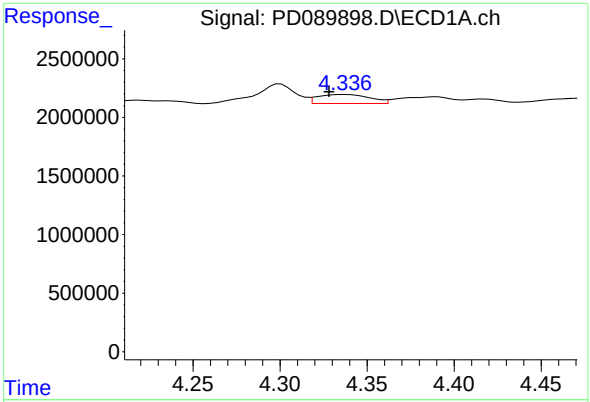
#2 alpha-BHC

R.T.: 4.013 min
Delta R.T.: 0.016 min
Response: 307881
Conc: 0.06 ng/ml



#2 alpha-BHC

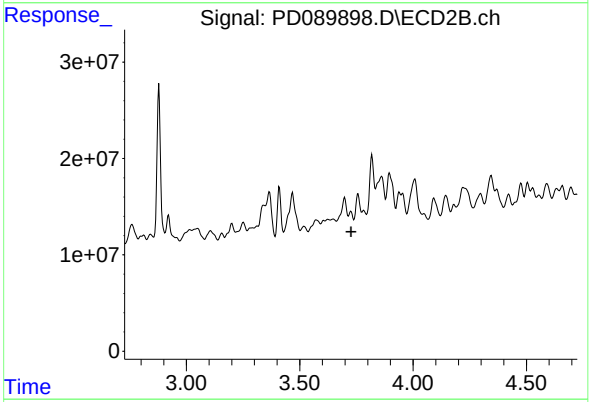
R.T.: 3.410 min
Delta R.T.: 0.020 min
Response: 52232212
Conc: 2.15 ng/ml



#3 gamma-BHC (Lindane)

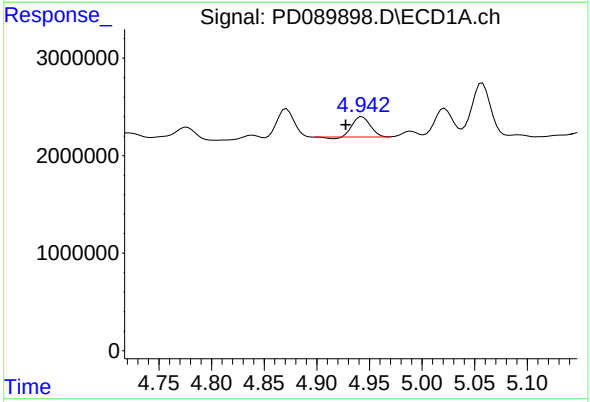
R.T.: 4.337 min
Delta R.T.: 0.009 min
Response: 1586821
Conc: 0.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



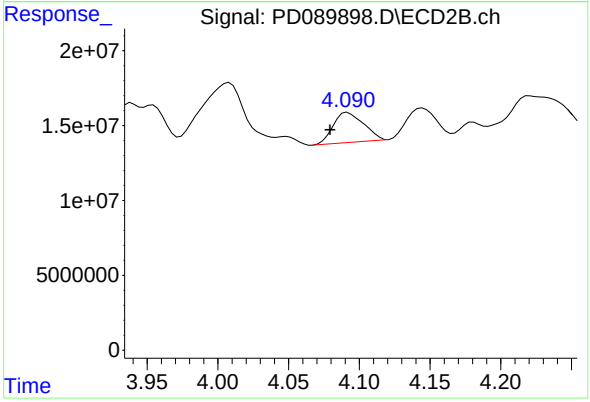
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: -599118
Conc: N.D.



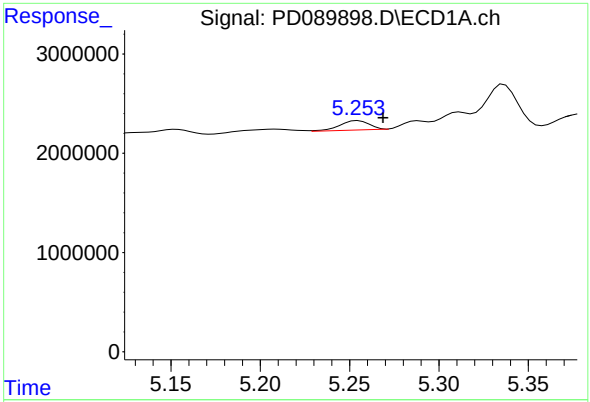
#4 Heptachlor

R.T.: 4.943 min
Delta R.T.: 0.016 min
Response: 2357376
Conc: 0.49 ng/ml



#4 Heptachlor

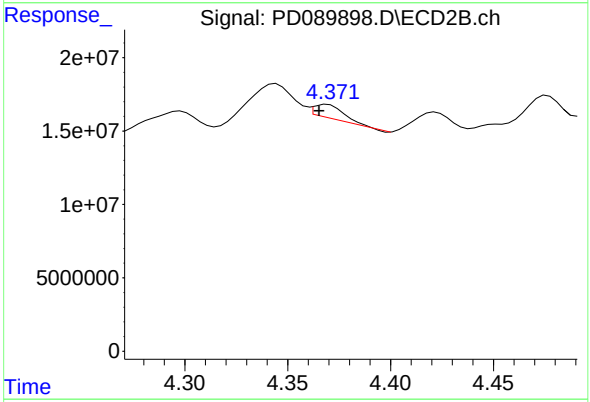
R.T.: 4.092 min
Delta R.T.: 0.012 min
Response: 29929633
Conc: 1.29 ng/ml



#5 Aldrin

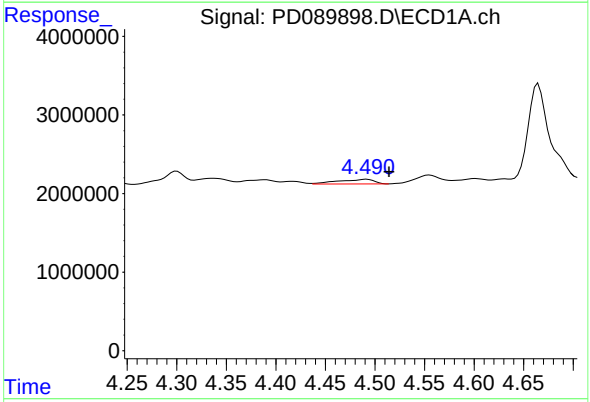
R.T.: 5.255 min
Delta R.T.: -0.014 min
Response: 1067376
Conc: 0.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



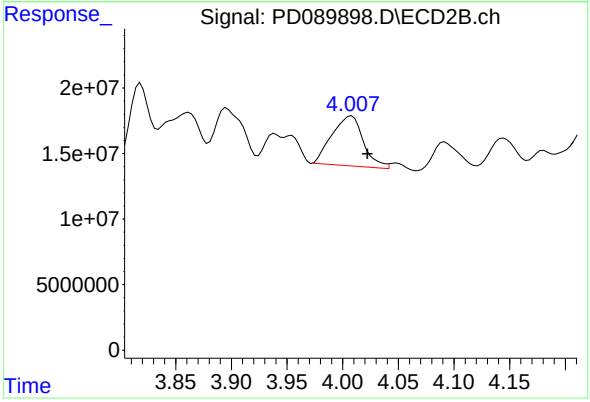
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.004 min
Response: 9468186
Conc: 0.43 ng/ml



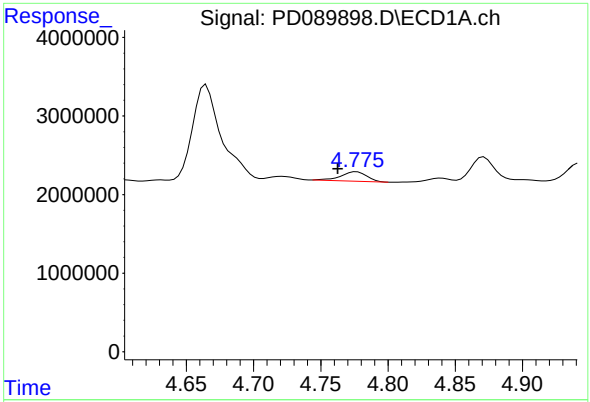
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.023 min
Response: 1518669
Conc: 0.82 ng/ml



#6 beta-BHC

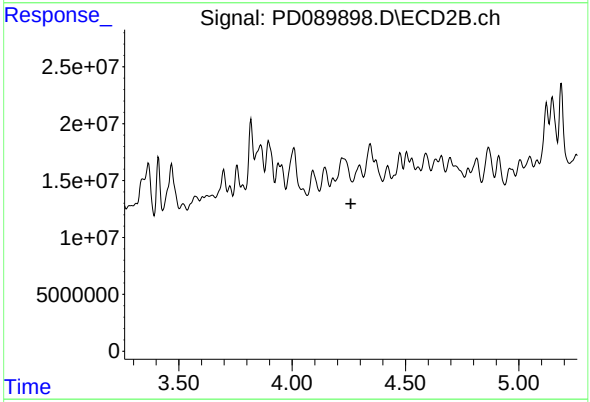
R.T.: 4.008 min
Delta R.T.: -0.014 min
Response: 74826777
Conc: 7.75 ng/ml



#7 delta-BHC

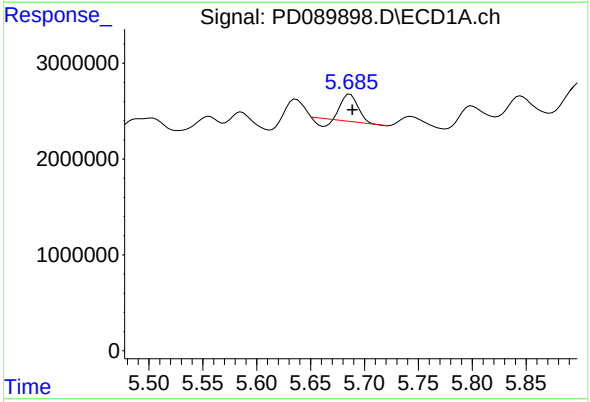
R.T.: 4.777 min
Delta R.T.: 0.014 min
Response: 1427643
Conc: 0.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



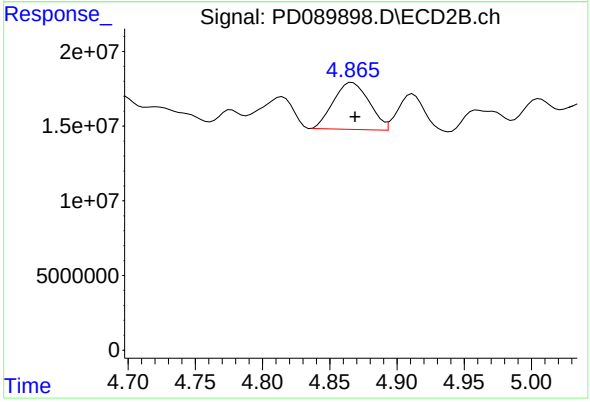
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.259 min
Response: 0
Conc: N.D.



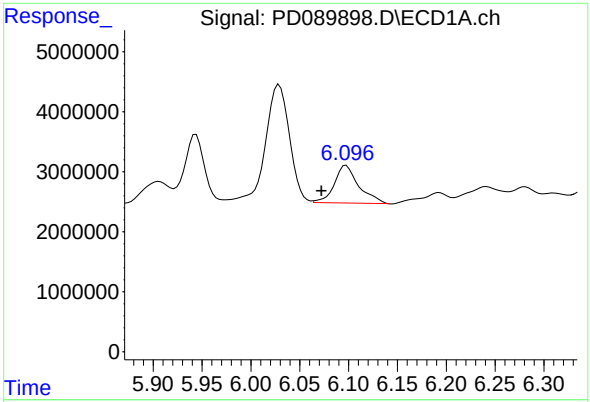
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 2523352
Conc: 0.60 ng/ml



#8 Heptachlor epoxide

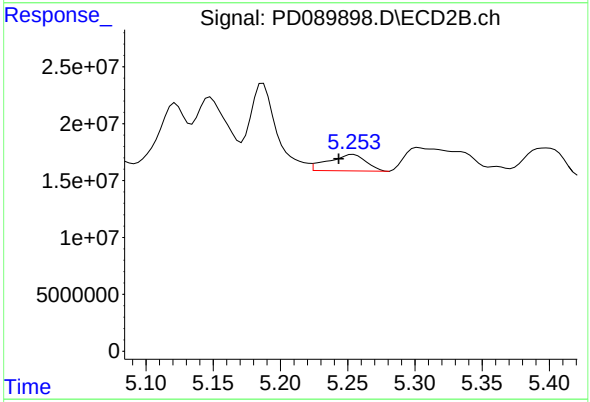
R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 58130677
Conc: 2.83 ng/ml



#9 Endosulfan I

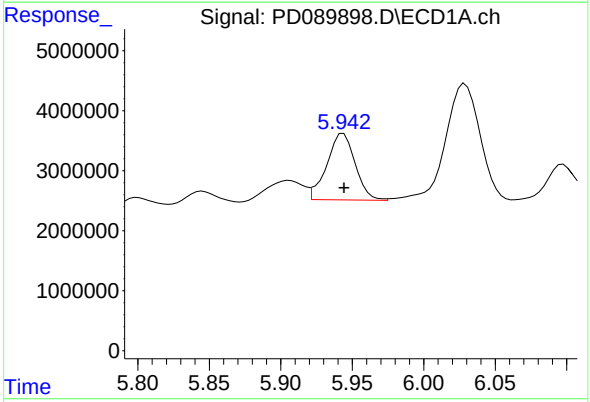
R.T.: 6.098 min
Delta R.T.: 0.026 min
Response: 10890389
Conc: 2.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



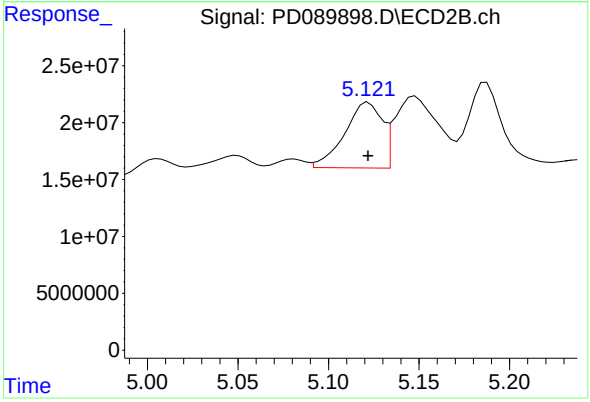
#9 Endosulfan I

R.T.: 5.254 min
Delta R.T.: 0.011 min
Response: 28212255
Conc: 1.44 ng/ml



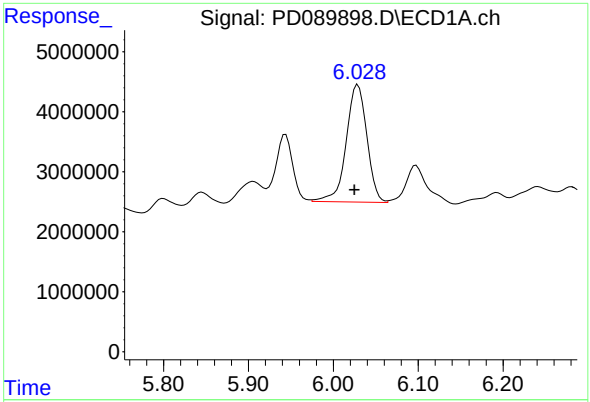
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 15328341
Conc: 3.67 ng/ml



#10 gamma-Chlordane

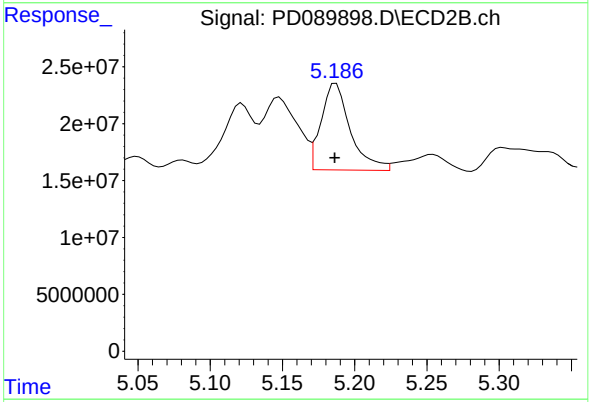
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 82858215
Conc: 3.83 ng/ml



#11 alpha-Chlordane

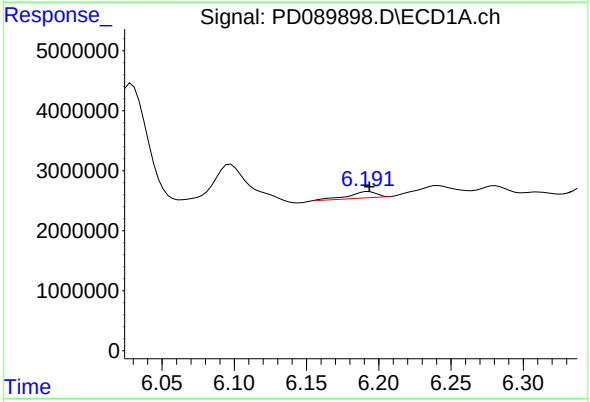
R.T.: 6.029 min
Delta R.T.: 0.004 min
Response: 33192127
Conc: 7.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



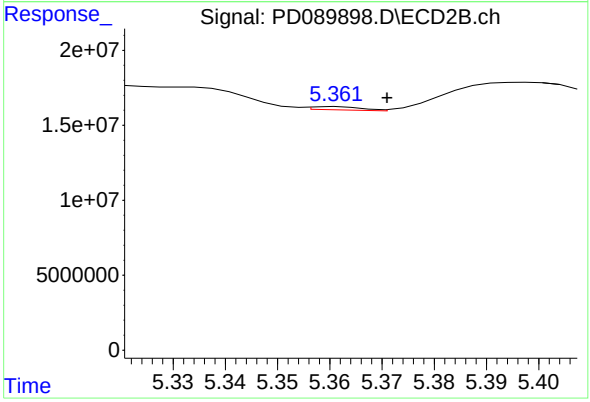
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 107233545
Conc: 5.15 ng/ml



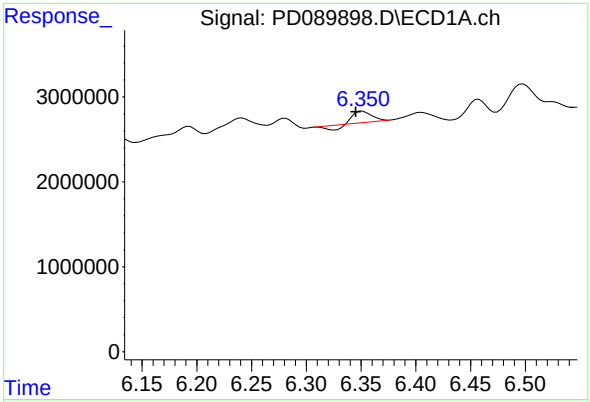
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 1429958
Conc: 0.38 ng/ml



#12 4,4'-DDE

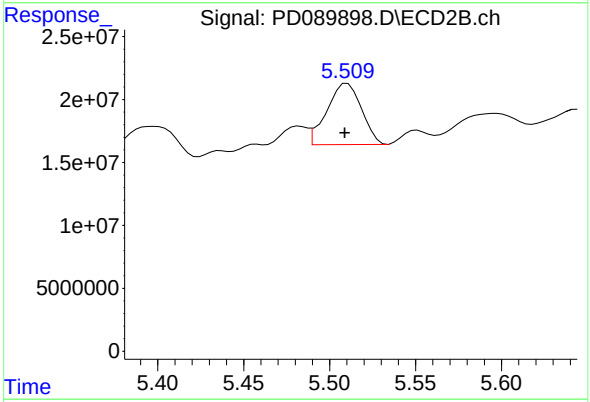
R.T.: 5.361 min
Delta R.T.: -0.010 min
Response: 1495884
Conc: 0.07 ng/ml



#13 Dieldrin

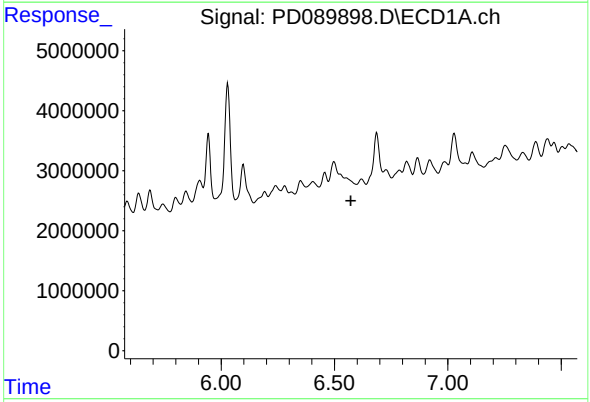
R.T.: 6.351 min
Delta R.T.: 0.006 min
Response: 1124016
Conc: 0.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



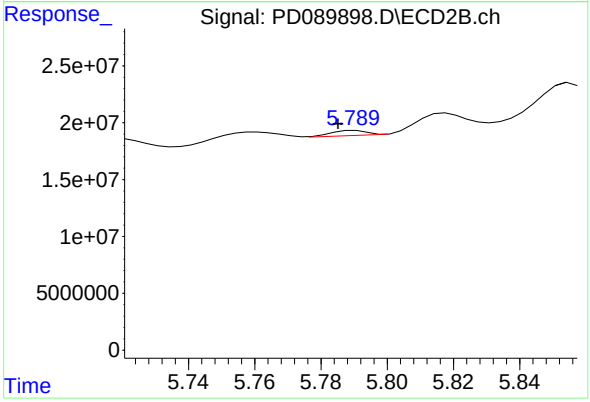
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.002 min
Response: 68095163
Conc: 3.15 ng/ml



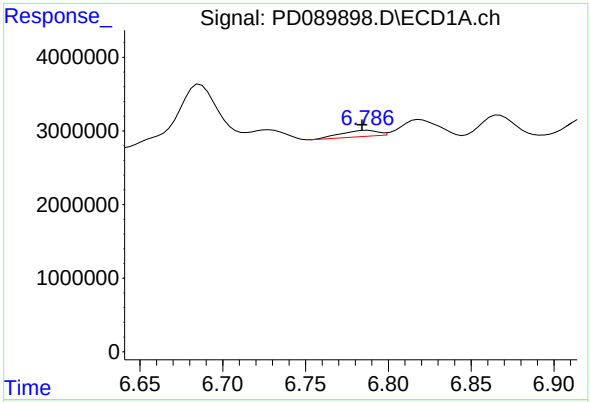
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.



#14 Endrin

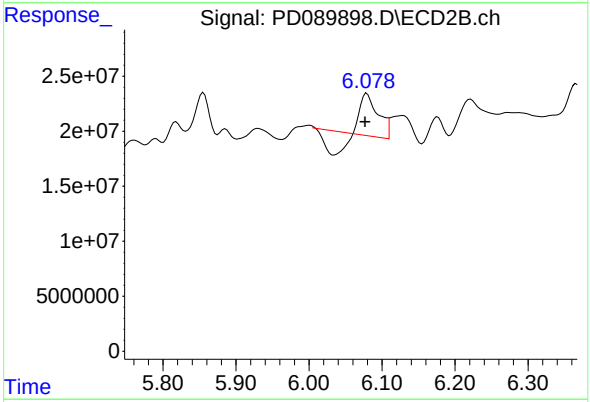
R.T.: 5.790 min
Delta R.T.: 0.005 min
Response: 3328256
Conc: 0.17 ng/ml



#15 Endosulfan II

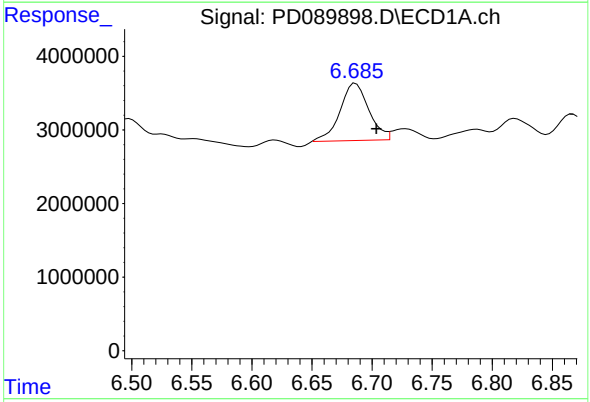
R.T.: 6.787 min
Delta R.T.: 0.003 min
Response: 1282207
Conc: 0.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



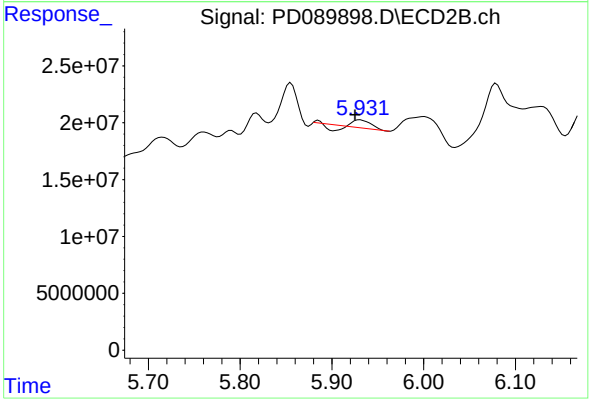
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: 0.002 min
Response: 29656336
Conc: 1.58 ng/ml



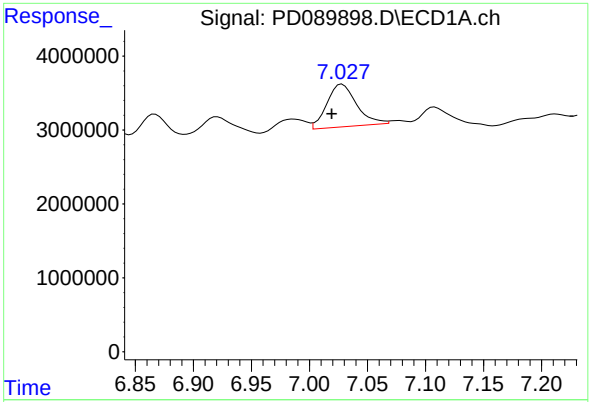
#16 4,4'-DDD

R.T.: 6.686 min
Delta R.T.: -0.017 min
Response: 13004405
Conc: 4.34 ng/ml



#16 4,4'-DDD

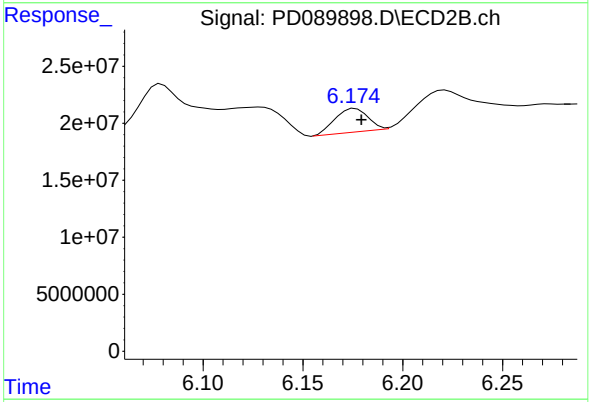
R.T.: 5.931 min
Delta R.T.: 0.005 min
Response: 5012524
Conc: 0.28 ng/ml



#17 4,4'-DDT

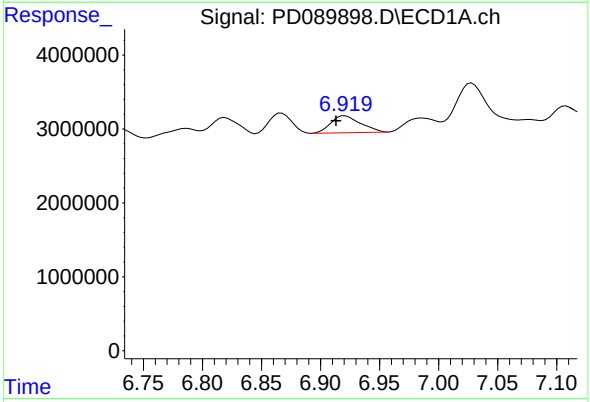
R.T.: 7.028 min
Delta R.T.: 0.009 min
Response: 10314364
Conc: 3.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



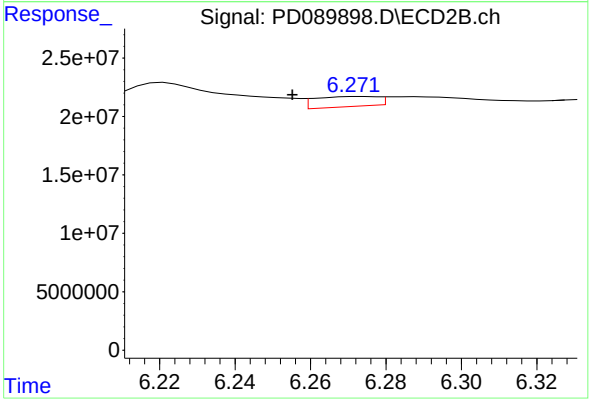
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 23548573
Conc: 1.28 ng/ml



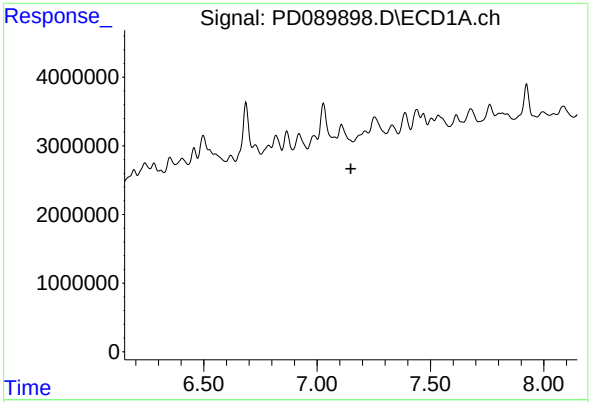
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.007 min
Response: 4020406
Conc: 1.61 ng/ml



#18 Endrin aldehyde

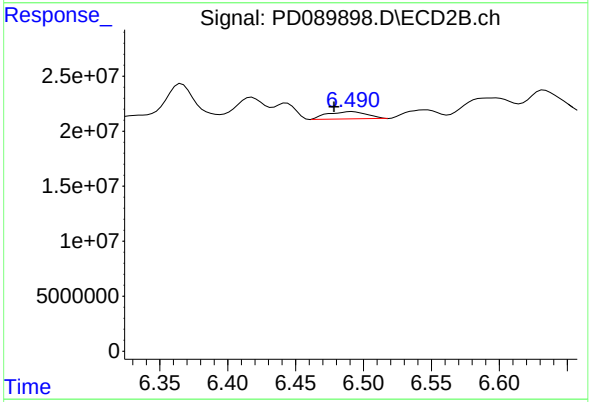
R.T.: 6.273 min
Delta R.T.: 0.018 min
Response: 10004442
Conc: 0.77 ng/ml



#19 Endosulfan Sulfate

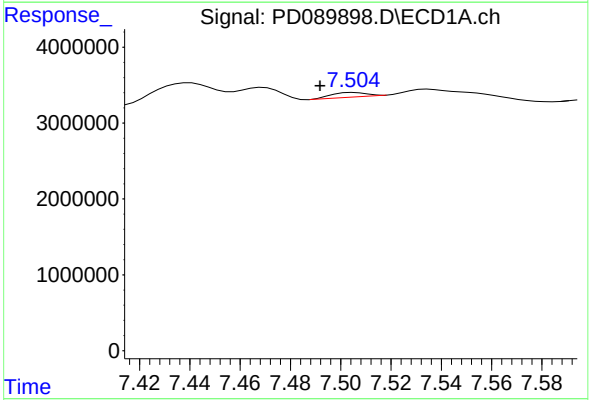
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
22M-S



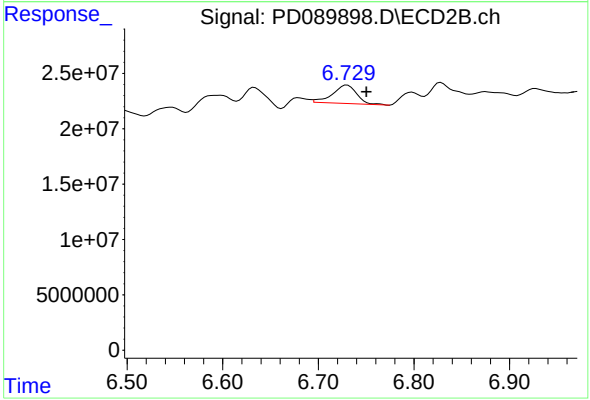
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: 0.013 min
Response: 11352250
Conc: 0.61 ng/ml



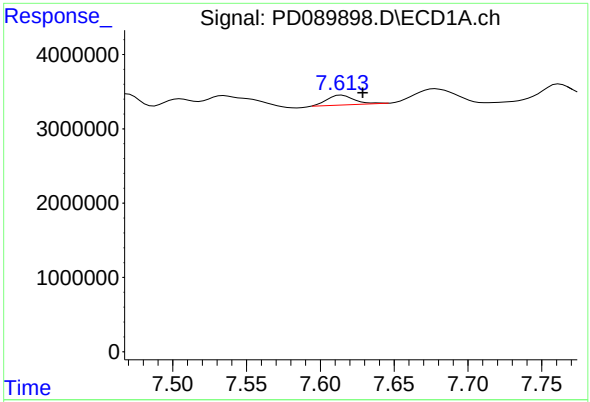
#20 Methoxychlor

R.T.: 7.505 min
Delta R.T.: 0.014 min
Response: 580206
Conc: 0.32 ng/ml



#20 Methoxychlor

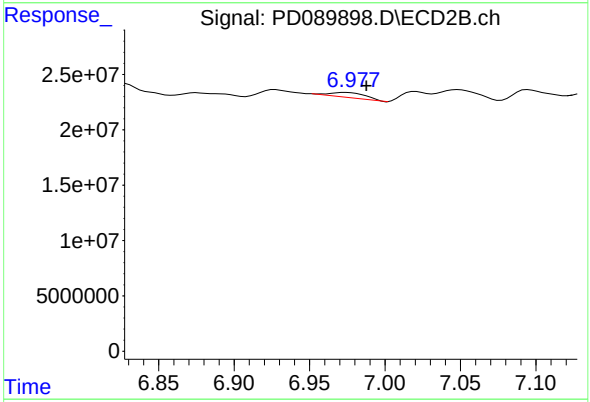
R.T.: 6.730 min
Delta R.T.: -0.020 min
Response: 29350411
Conc: 3.00 ng/ml



#21 Endrin ketone

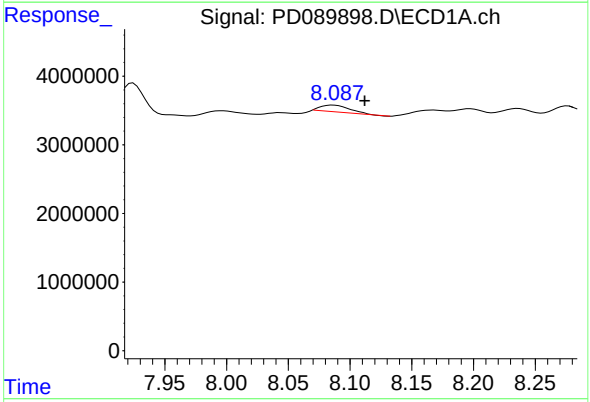
R.T.: 7.614 min
Delta R.T.: -0.014 min
Response: 1708039
Conc: 0.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



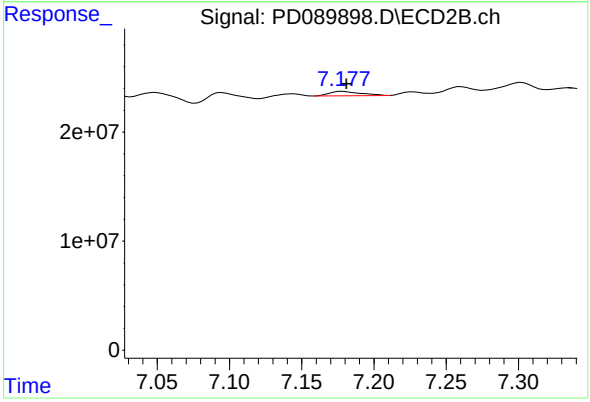
#21 Endrin ketone

R.T.: 6.974 min
Delta R.T.: -0.014 min
Response: 7554335
Conc: 0.38 ng/ml



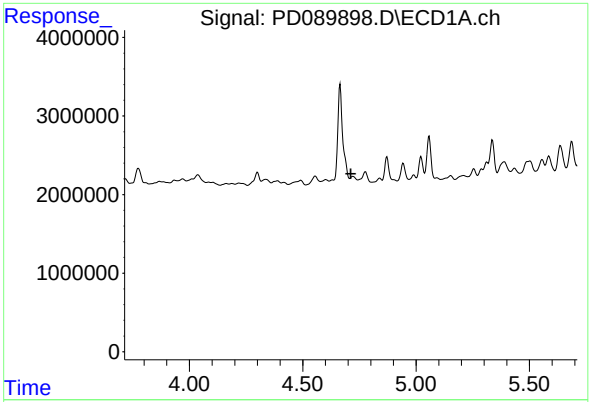
#22 Mirex

R.T.: 8.087 min
Delta R.T.: -0.025 min
Response: 1617428
Conc: 0.58 ng/ml



#22 Mirex

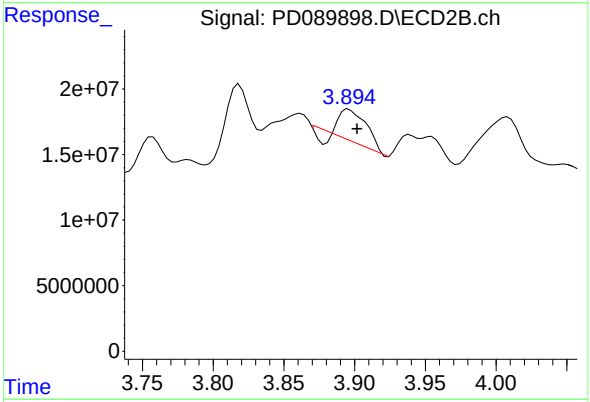
R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 6051135
Conc: 0.40 ng/ml



#23 Chlordane-1

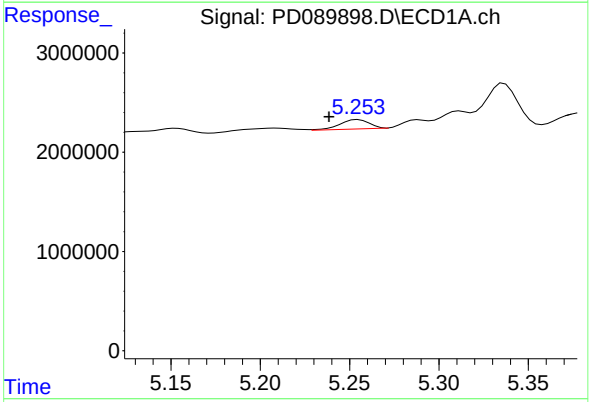
R.T.: 4.722 min
Delta R.T.: 0.010 min
Response: -1166552
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
22M-S



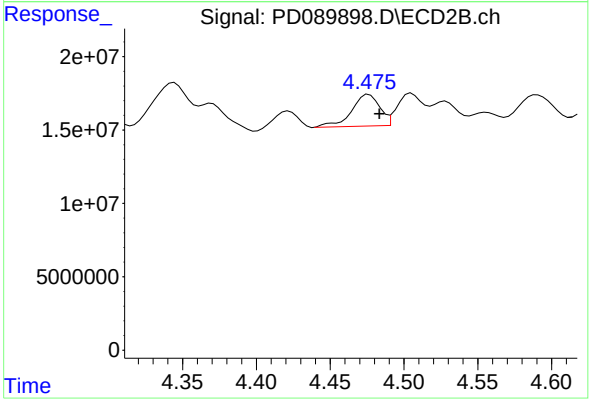
#23 Chlordane-1

R.T.: 3.896 min
Delta R.T.: -0.006 min
Response: 28286503
Conc: 38.67 ng/ml



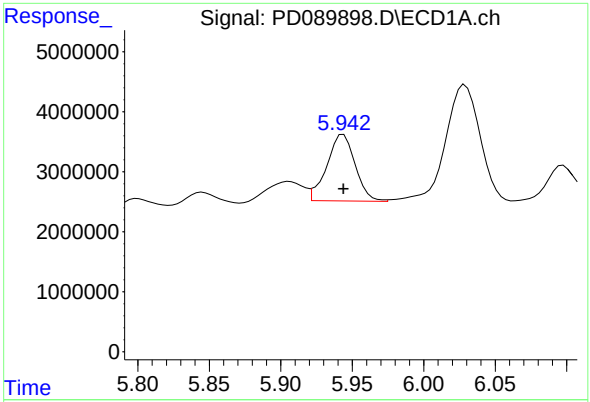
#24 Chlordane-2

R.T.: 5.255 min
Delta R.T.: 0.016 min
Response: 1067376
Conc: 6.28 ng/ml



#24 Chlordane-2

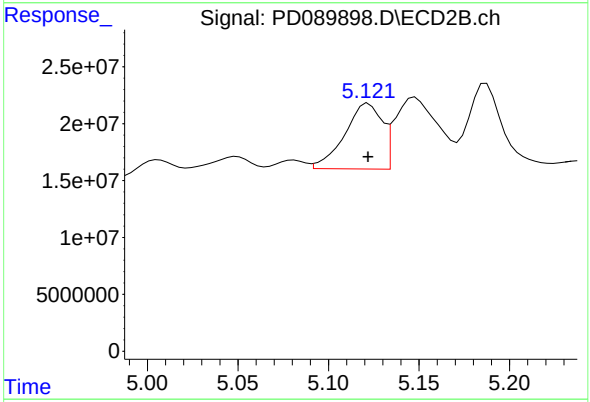
R.T.: 4.476 min
Delta R.T.: -0.007 min
Response: 28509385
Conc: 37.30 ng/ml



#25 Chlordane-3

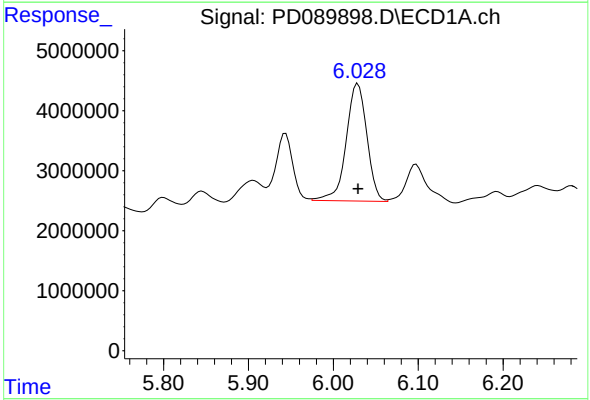
R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 15328341
Conc: 22.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



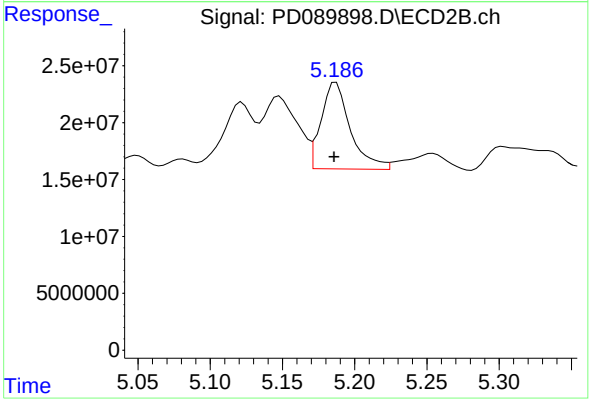
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 82858215
Conc: 35.80 ng/ml



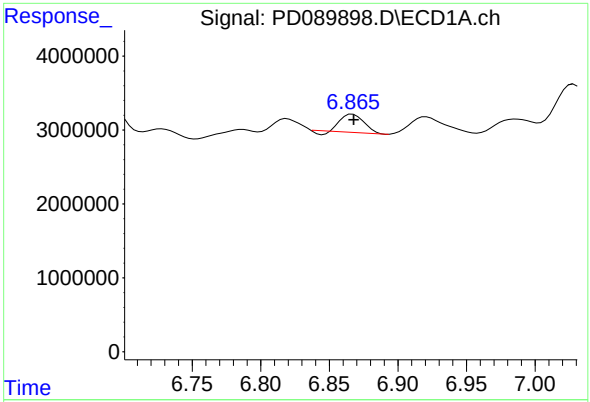
#26 Chlordane-4

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 33192127
Conc: 39.65 ng/ml



#26 Chlordane-4

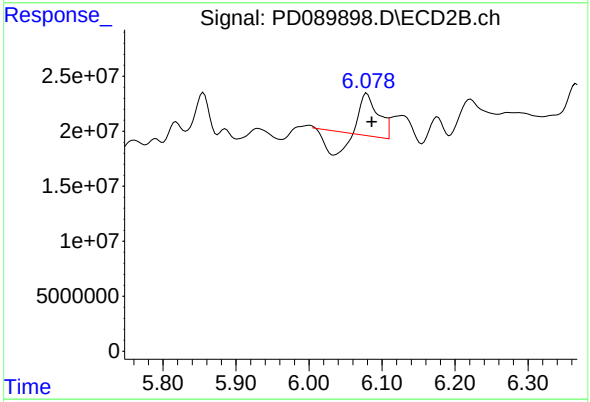
R.T.: 5.187 min
Delta R.T.: 0.001 min
Response: 107233545
Conc: 53.90 ng/ml



#27 Chlordane-5

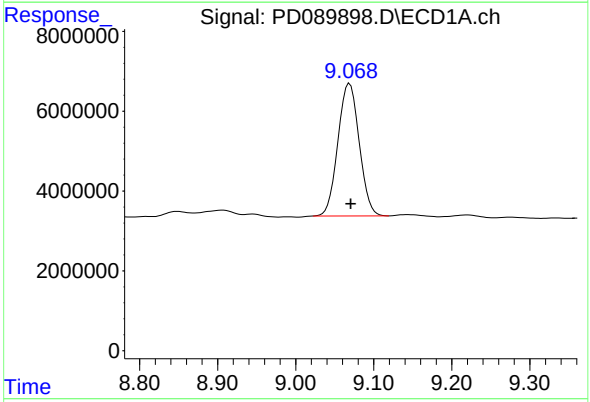
R.T.: 6.867 min
Delta R.T.: 0.000 min
Response: 2731936
Conc: 18.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
22M-S



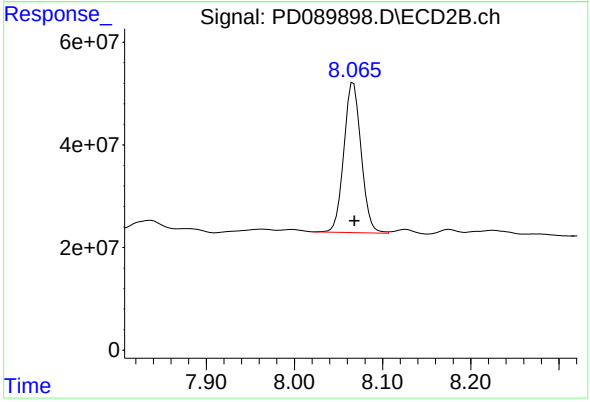
#27 Chlordane-5

R.T.: 6.079 min
Delta R.T.: -0.007 min
Response: 29656336
Conc: 32.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.001 min
Response: 62932627
Conc: 16.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 398048952
Conc: 19.83 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:51
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 18 01:49:00 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...	3.549	2.878	44858826	363.1E6	18.187	22.925	#
28)	SA Decachlor...	9.069	8.066	65545586	444.6E6	17.638	22.146	#
	Target Compounds							
2)	A alpha-BHC	3.998	3.390	43068367	303.0E6	8.694	12.467	#
3)	MA gamma-BHC...	4.329	3.727	43629196	277.5E6	9.181	12.322	#
4)	MA Heptachlor	4.952f	4.076	450719	1670201	0.094	0.072	
5)	MB Aldrin	5.258	4.364	353028	2117509	0.077	0.095	
6)	B beta-BHC	4.515	4.022	18260050	118.4E6	9.899	12.275	
7)	B delta-BHC	4.774	4.263	1327846	1471344	0.290	0.065	#
8)	B Heptachlo...	5.681	4.879	4418310	3957073	1.057	0.193	#
10)	B gamma-Chl...	5.943	5.120	364993	21860659	0.087	1.010	#
11)	B alpha-Chl...	6.031	5.183	843284	50087480	0.201	2.406	#
12)	B 4,4'-DDE	6.196	5.373	271908	6550727	0.073	0.310	#
13)	MA Dieldrin	6.364f	5.503	300319	6431179	0.071	0.297	#
14)	MA Endrin	6.572	5.785	160.3E6	1119.0E6	44.811	56.159	#
15)	B Endosulfa...	6.768f	6.082	3711894	6307838	1.012	0.336	#
16)	A 4,4'-DDD	6.703	5.926	13856915	33503146	4.627	1.900	#
17)	MA 4,4'-DDT	7.019	6.178	278.3E6	1969.1E6	82.832	107.178	#
18)	B Endrin al...	6.914	6.252	1169912	14986496	0.469	1.160	#
19)	B Endosulfa...	0.000	6.463f	0	1523654	N.D.	0.082	#
20)	A Methoxychlor	7.491	6.748	343.4E6	2079.1E6	192.087	212.254	
21)	B Endrin ke...	7.627	6.985	2418685	25812094	0.651	1.286	#
22)	Mirex	8.115	7.171	155071	7674503	0.056	0.504	#
23)	Chlordane-1	0.000	3.900	0	1279474	N.D.	1.749	#
24)	Chlordane-2	5.258	4.494	353028	74219050	2.078	97.100	#
25)	Chlordane-3	5.943	5.120	364993	21860659	0.532	9.446	#
26)	Chlordane-4	6.031	5.183	843284	50087480	1.007	25.175	#
27)	Chlordane-5	0.000	6.082	0	6307838	N.D.	6.972	#

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

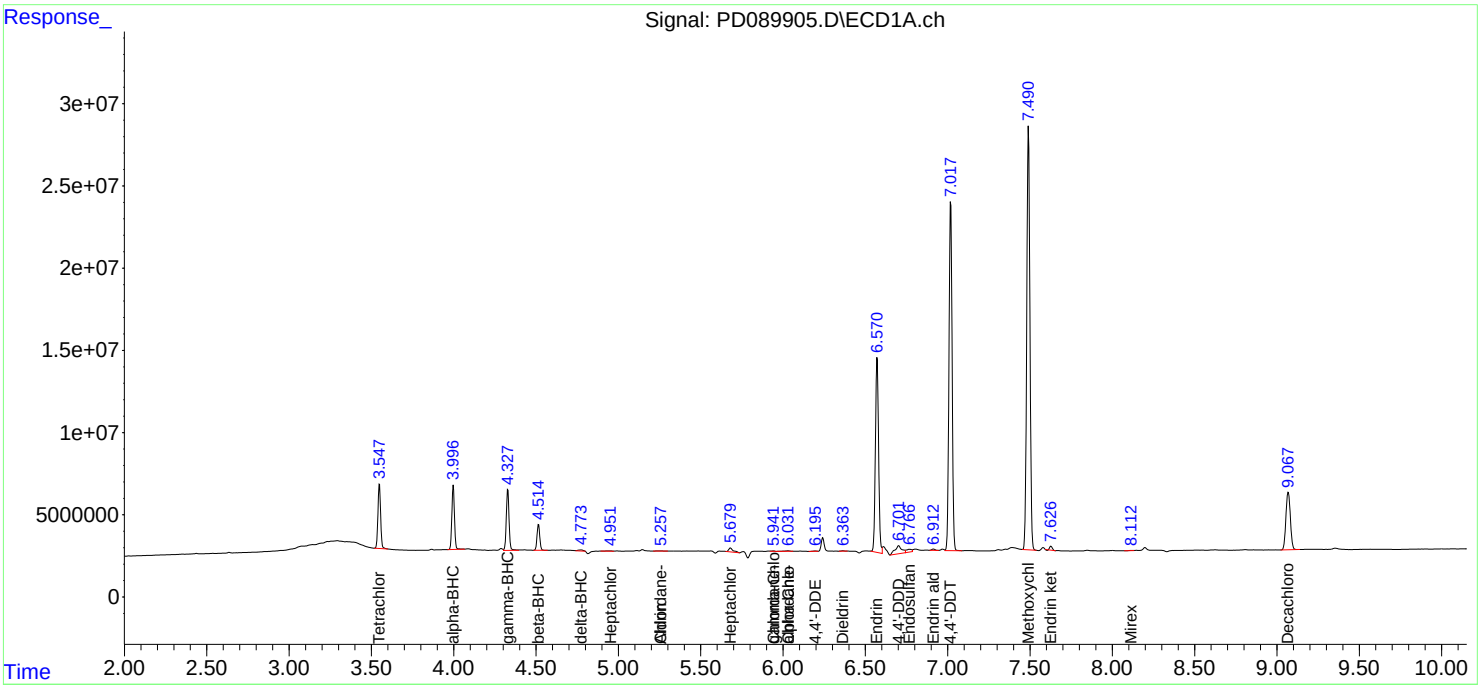
Quantitation Report (Not Reviewed)

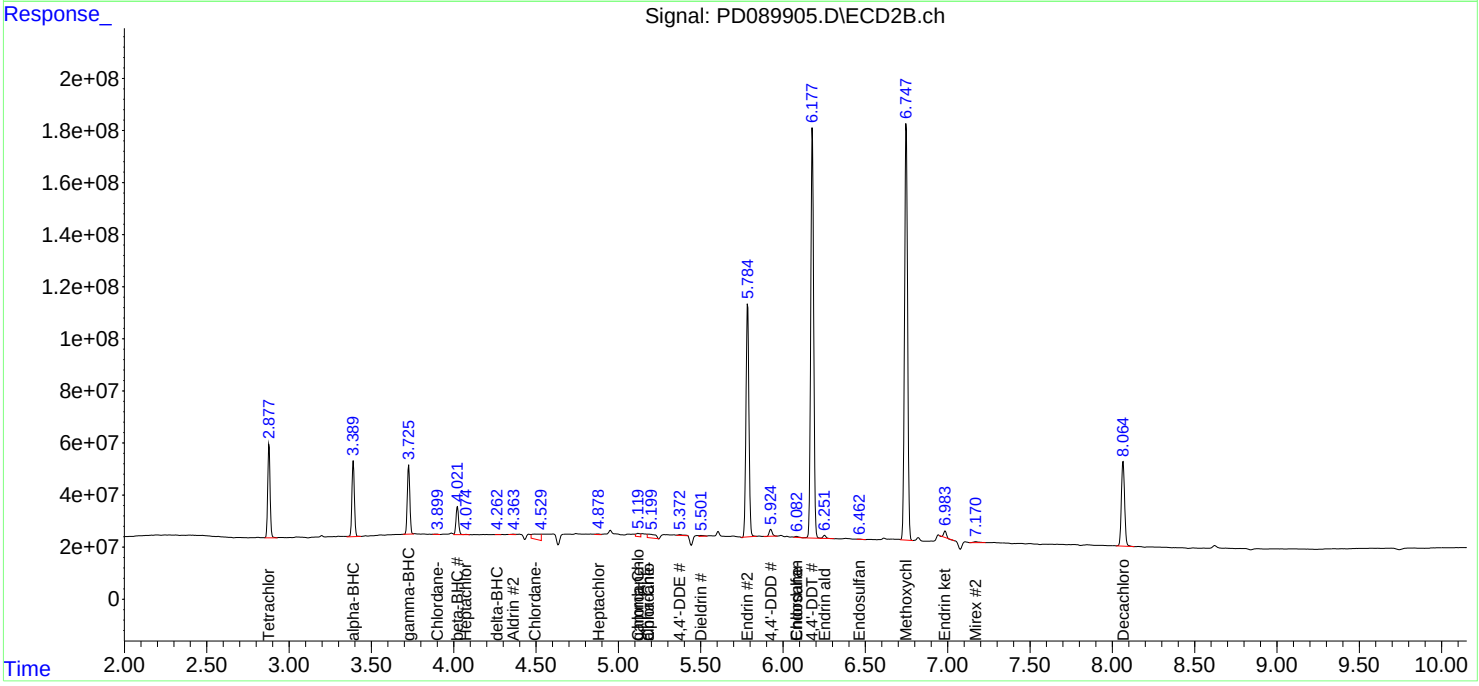
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

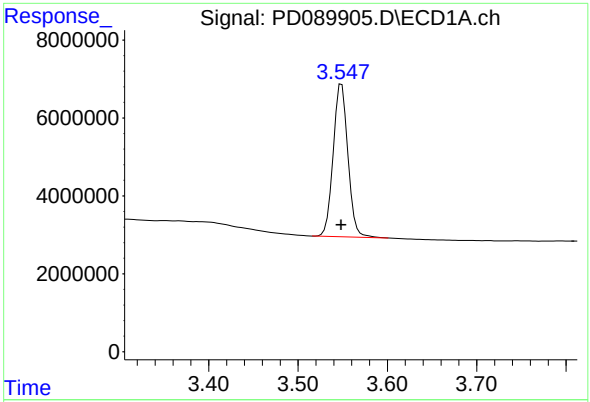
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:00 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



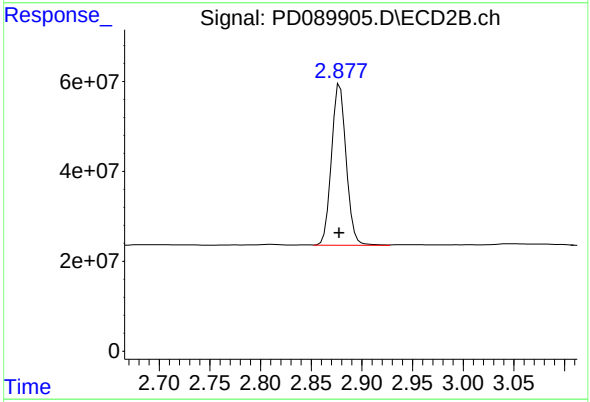




#1 Tetrachloro-m-xylene

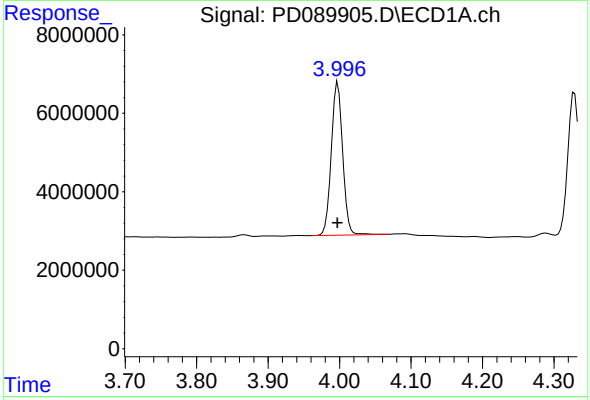
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 44858826
Conc: 18.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



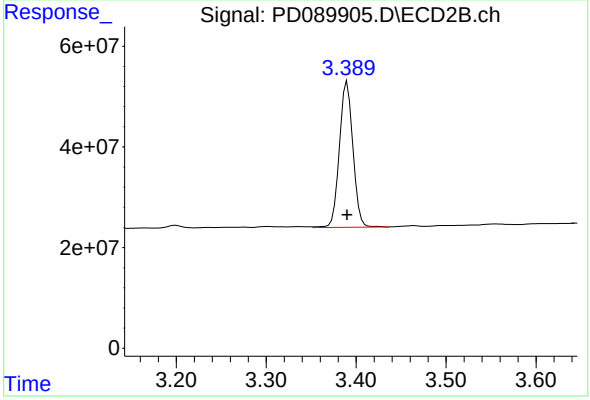
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 363085697
Conc: 22.93 ng/ml



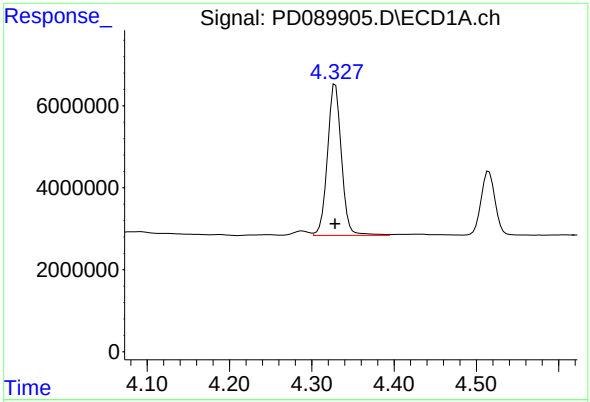
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 43068367
Conc: 8.69 ng/ml



#2 alpha-BHC

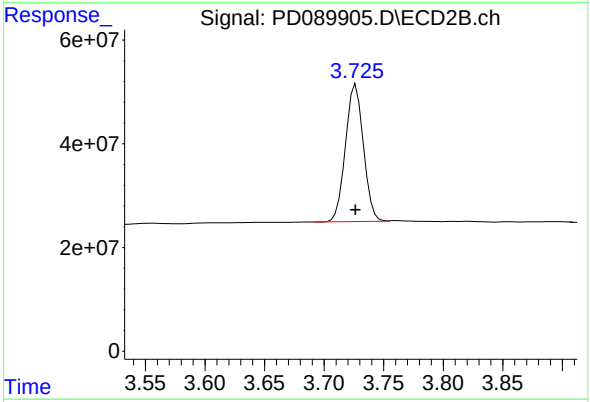
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 303018960
Conc: 12.47 ng/ml



#3 gamma-BHC (Lindane)

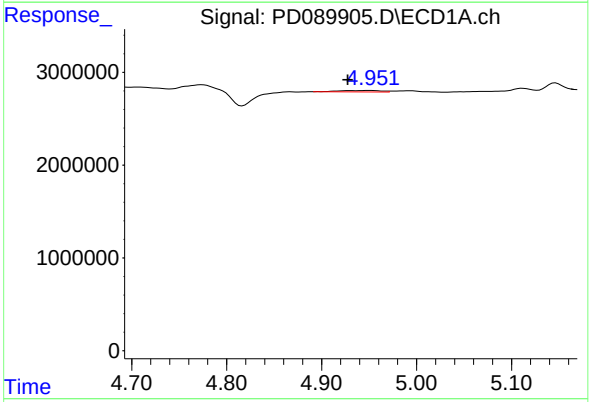
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 43629196
Conc: 9.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



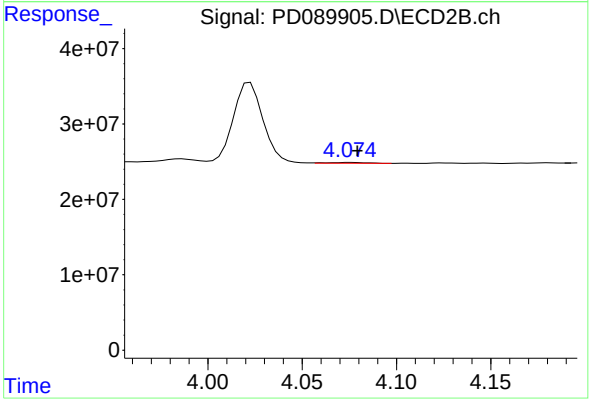
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 277538653
Conc: 12.32 ng/ml



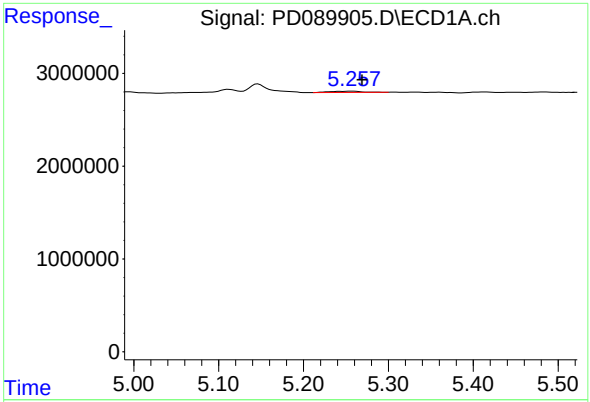
#4 Heptachlor

R.T.: 4.952 min
Delta R.T.: 0.024 min
Response: 450719
Conc: 0.09 ng/ml



#4 Heptachlor

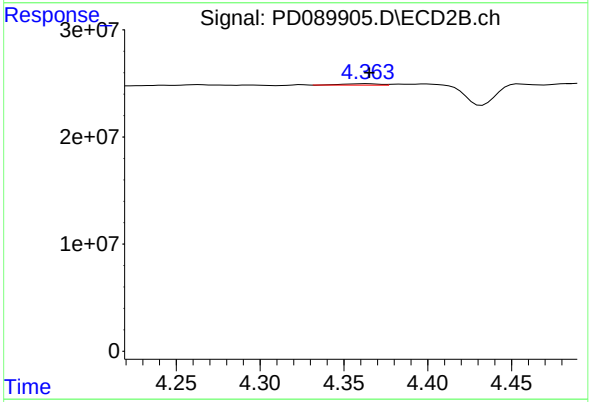
R.T.: 4.076 min
Delta R.T.: -0.004 min
Response: 1670201
Conc: 0.07 ng/ml



#5 Aldrin

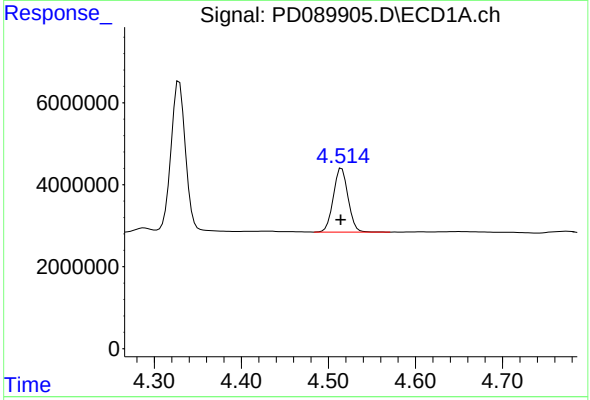
R.T.: 5.258 min
Delta R.T.: -0.011 min
Response: 353028
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



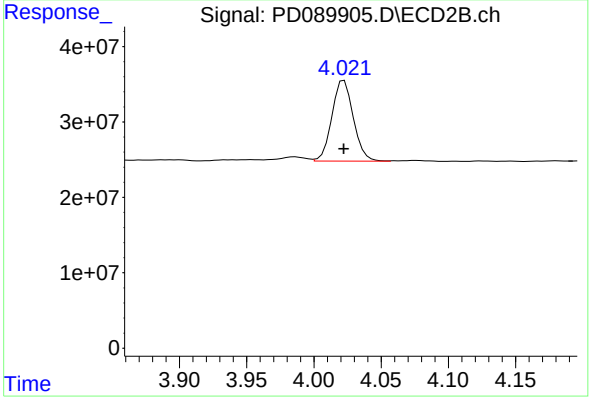
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.001 min
Response: 2117509
Conc: 0.10 ng/ml



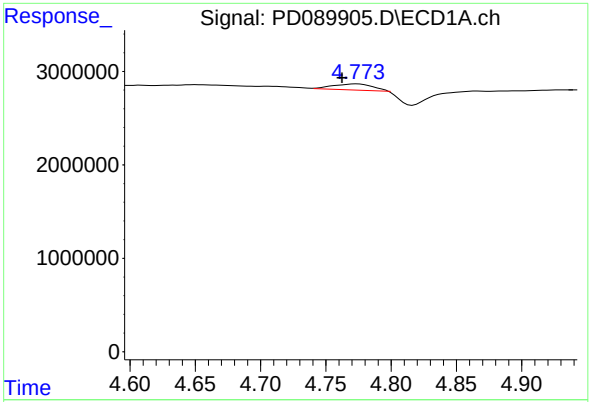
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 18260050
Conc: 9.90 ng/ml



#6 beta-BHC

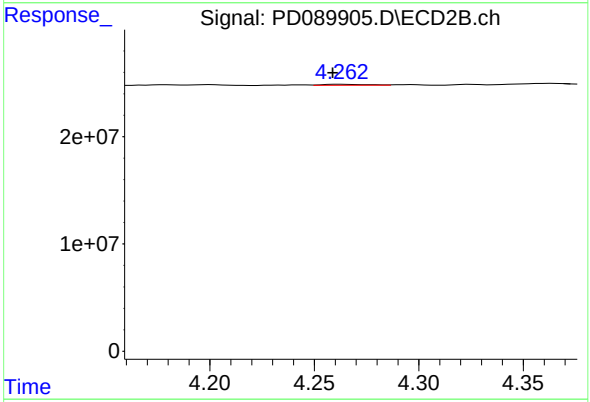
R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 118444941
Conc: 12.28 ng/ml



#7 delta-BHC

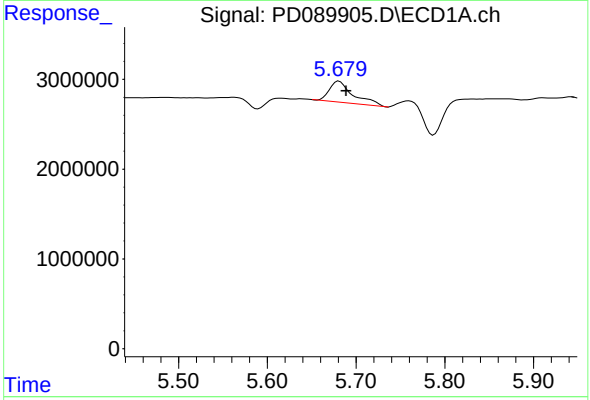
R.T.: 4.774 min
Delta R.T.: 0.011 min
Response: 1327846
Conc: 0.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



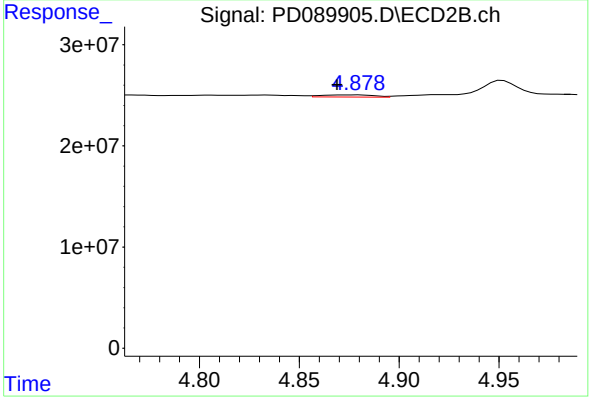
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.004 min
Response: 1471344
Conc: 0.06 ng/ml



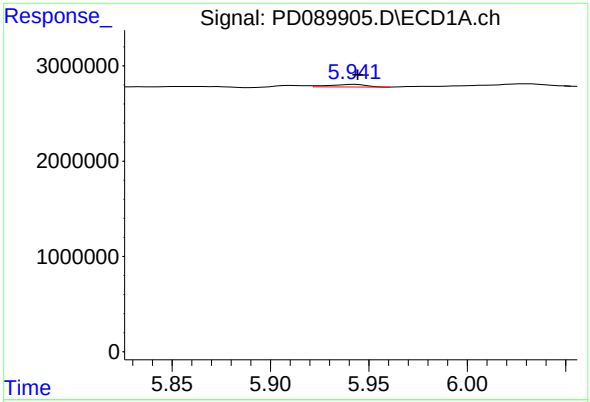
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.008 min
Response: 4418310
Conc: 1.06 ng/ml



#8 Heptachlor epoxide

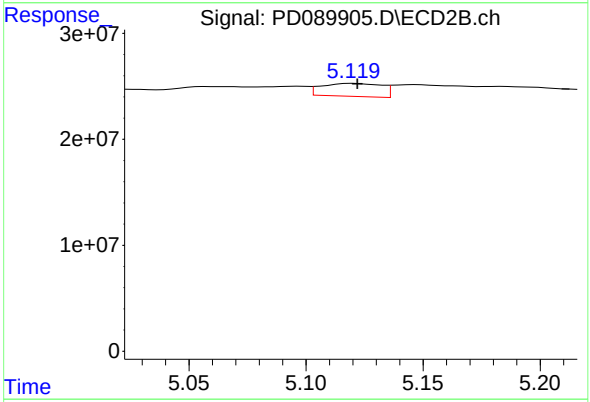
R.T.: 4.879 min
Delta R.T.: 0.010 min
Response: 3957073
Conc: 0.19 ng/ml



#10 gamma-Chlordane

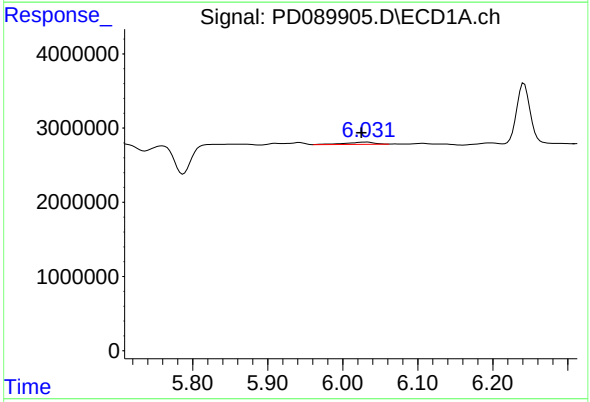
R.T.: 5.943 min
Delta R.T.: -0.002 min
Response: 364993
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



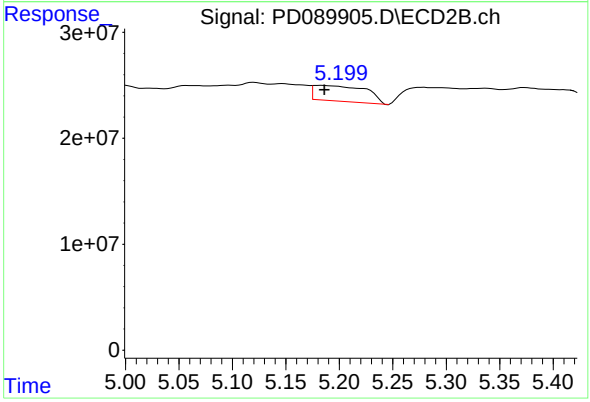
#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 21860659
Conc: 1.01 ng/ml



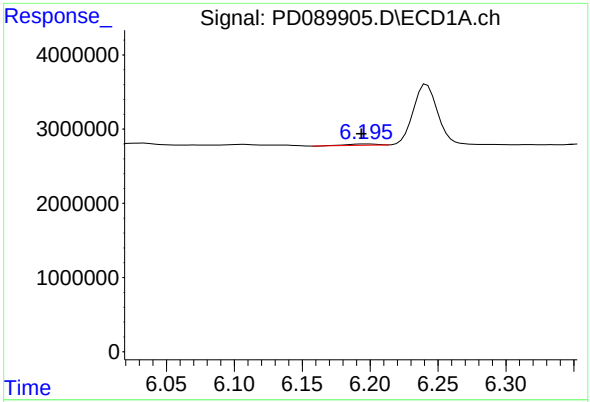
#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.006 min
Response: 843284
Conc: 0.20 ng/ml



#11 alpha-Chlordane

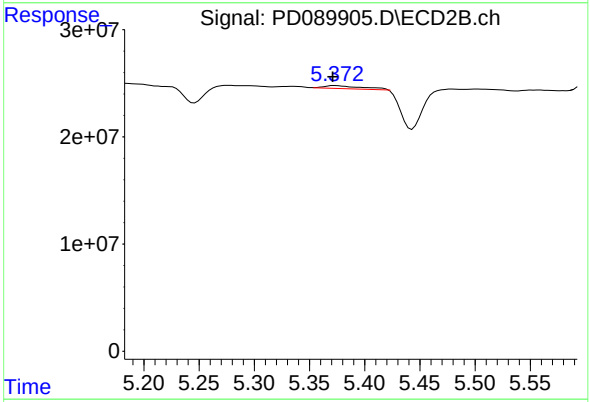
R.T.: 5.183 min
Delta R.T.: -0.003 min
Response: 50087480
Conc: 2.41 ng/ml



#12 4,4'-DDE

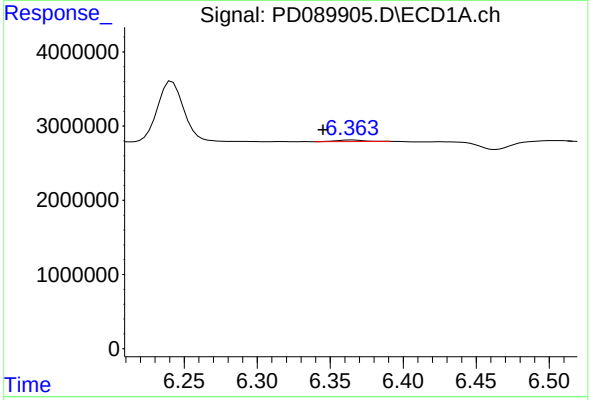
R.T.: 6.196 min
Delta R.T.: 0.003 min
Response: 271908
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



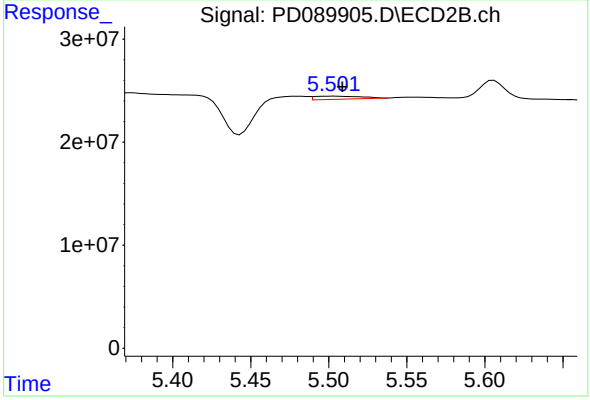
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 6550727
Conc: 0.31 ng/ml



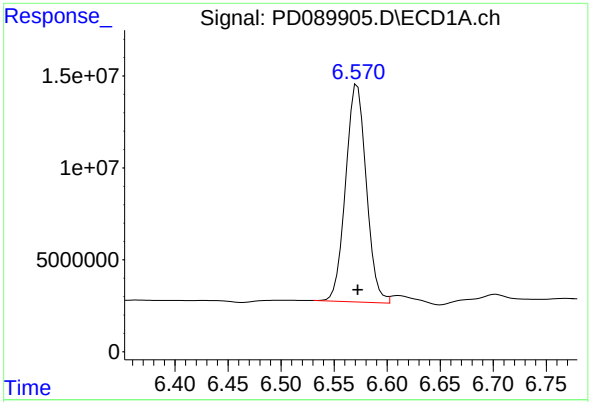
#13 Dieldrin

R.T.: 6.364 min
Delta R.T.: 0.019 min
Response: 300319
Conc: 0.07 ng/ml



#13 Dieldrin

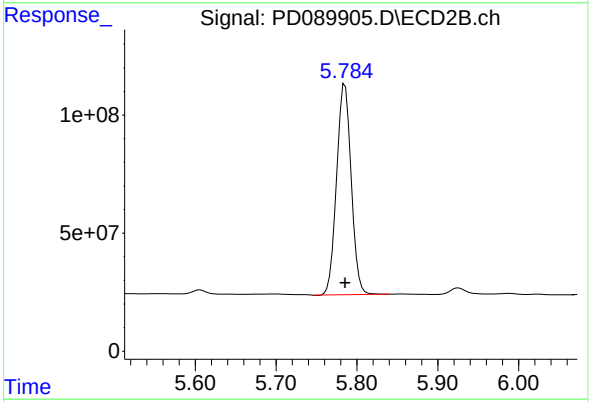
R.T.: 5.503 min
Delta R.T.: -0.006 min
Response: 6431179
Conc: 0.30 ng/ml



#14 Endrin

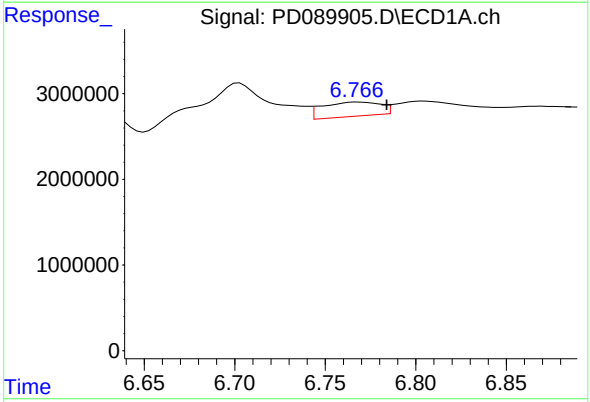
R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 160321551
Conc: 44.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



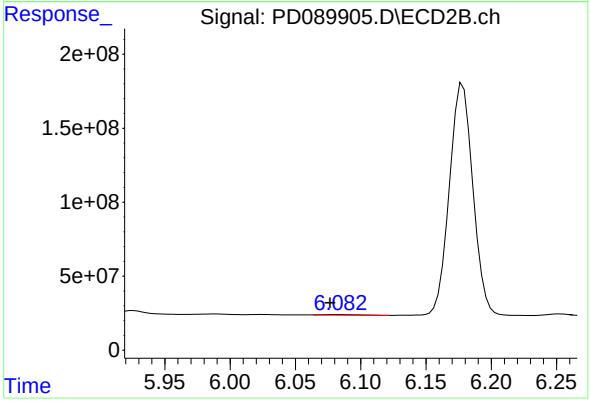
#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1118978425
Conc: 56.16 ng/ml



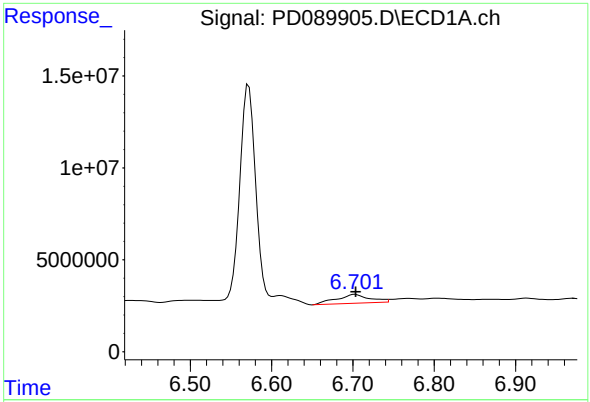
#15 Endosulfan II

R.T.: 6.768 min
Delta R.T.: -0.016 min
Response: 3711894
Conc: 1.01 ng/ml



#15 Endosulfan II

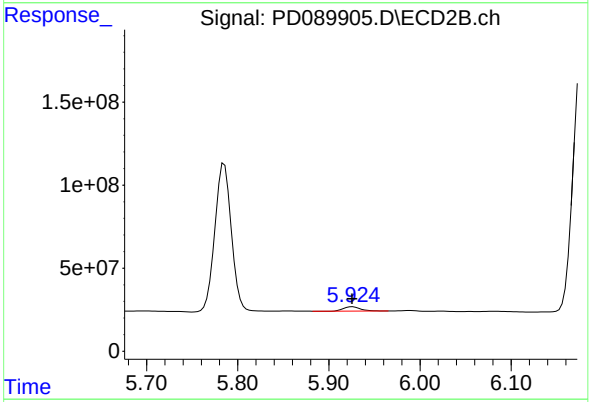
R.T.: 6.082 min
Delta R.T.: 0.005 min
Response: 6307838
Conc: 0.34 ng/ml



#16 4,4'-DDD

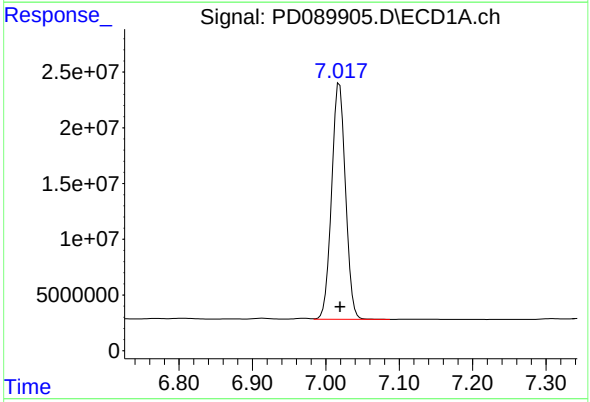
R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 13856915
Conc: 4.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



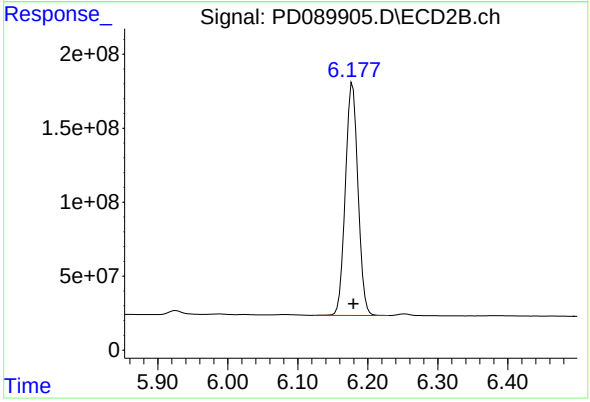
#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 33503146
Conc: 1.90 ng/ml



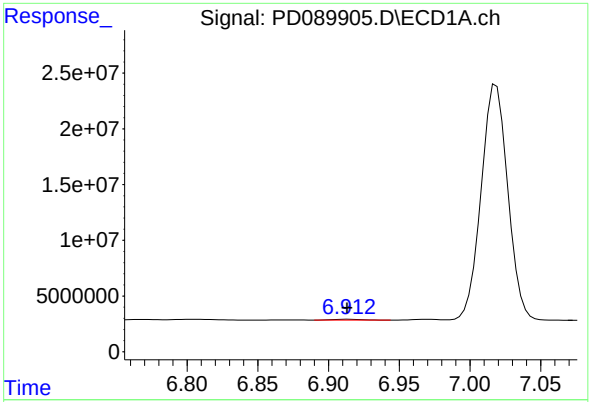
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 278336859
Conc: 82.83 ng/ml



#17 4,4'-DDT

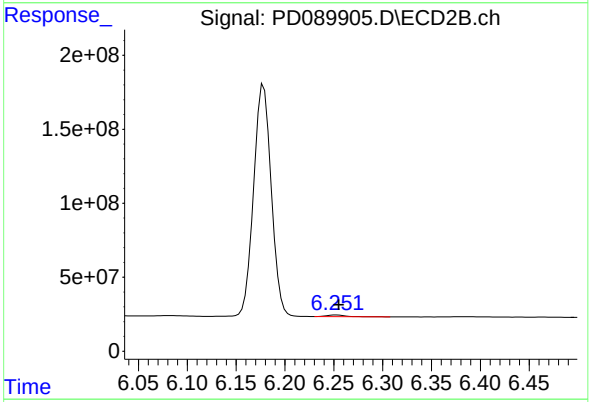
R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 1969146892
Conc: 107.18 ng/ml



#18 Endrin aldehyde

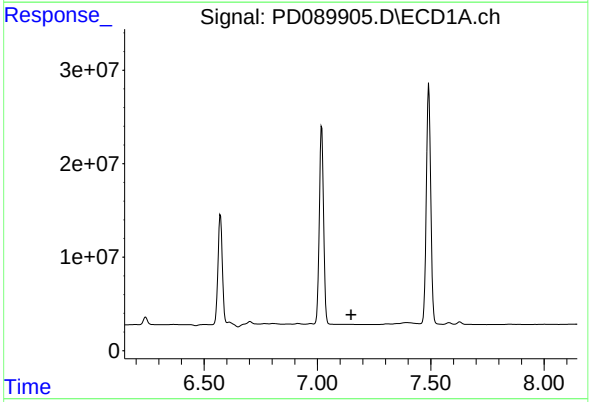
R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 1169912
Conc: 0.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



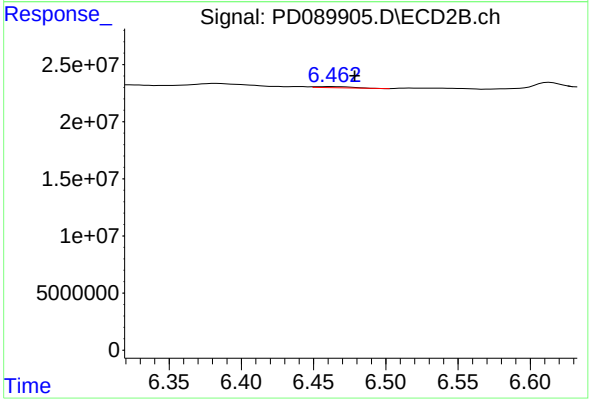
#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.003 min
Response: 14986496
Conc: 1.16 ng/ml



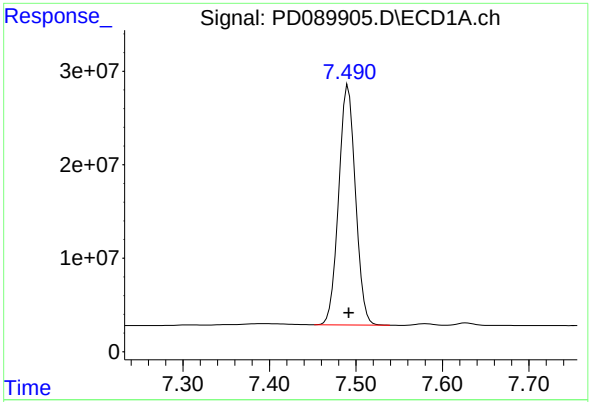
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

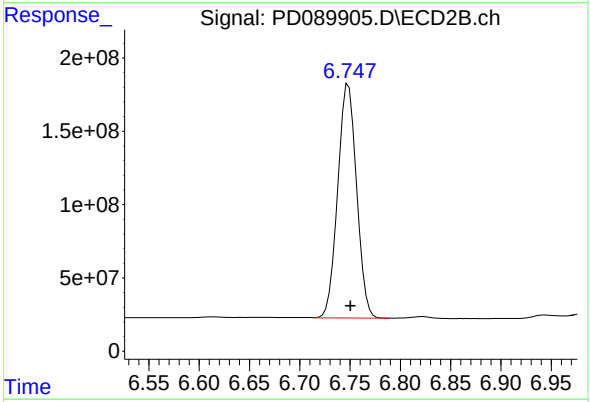
R.T.: 6.463 min
Delta R.T.: -0.015 min
Response: 1523654
Conc: 0.08 ng/ml



#20 Methoxychlor

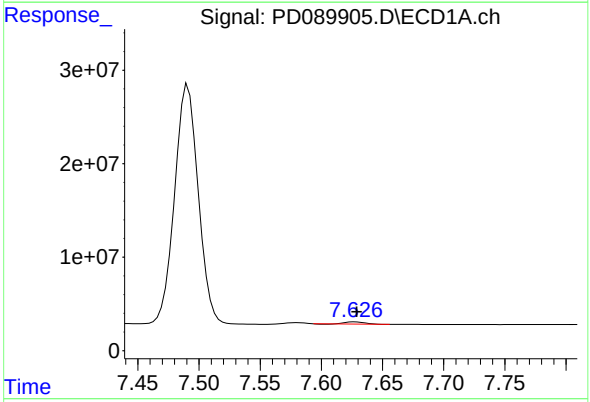
R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 343447536
Conc: 192.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



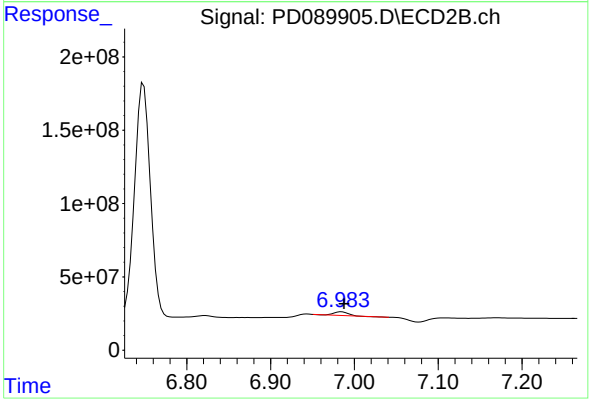
#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 2079134132
Conc: 212.25 ng/ml



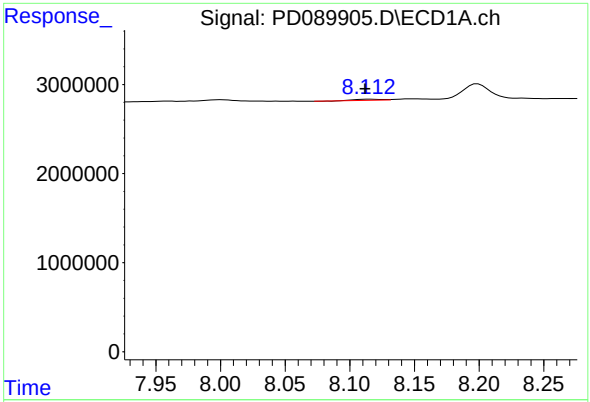
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.001 min
Response: 2418685
Conc: 0.65 ng/ml



#21 Endrin ketone

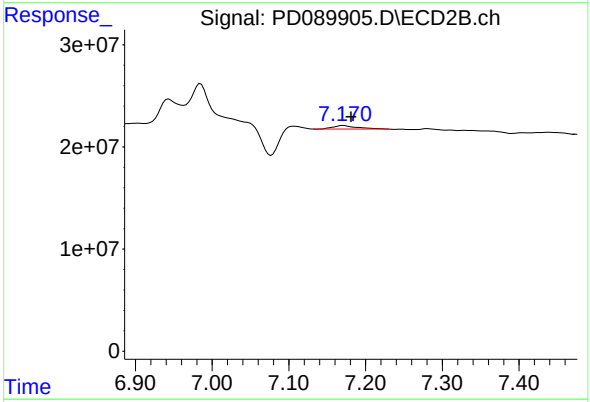
R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 25812094
Conc: 1.29 ng/ml



#22 Mirex

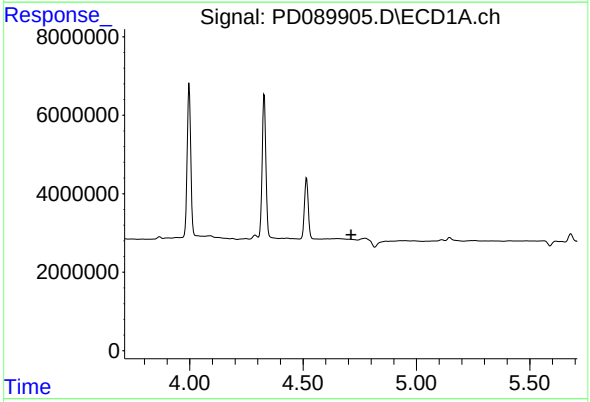
R.T.: 8.115 min
Delta R.T.: 0.003 min
Response: 155071
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



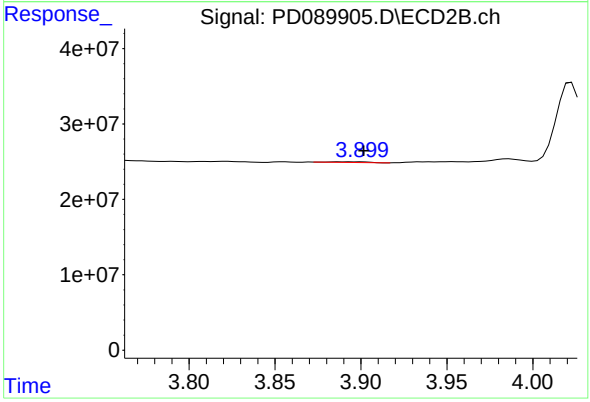
#22 Mirex

R.T.: 7.171 min
Delta R.T.: -0.010 min
Response: 7674503
Conc: 0.50 ng/ml



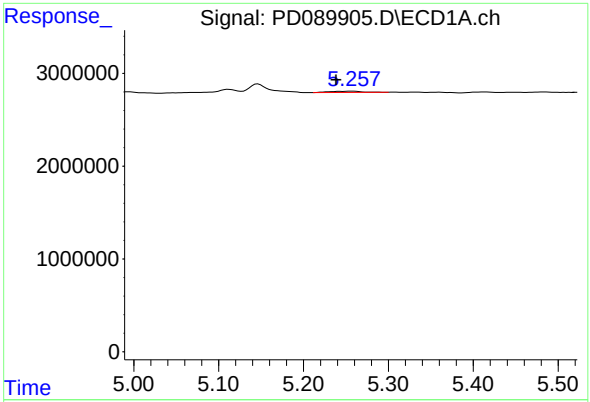
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.



#23 Chlordane-1

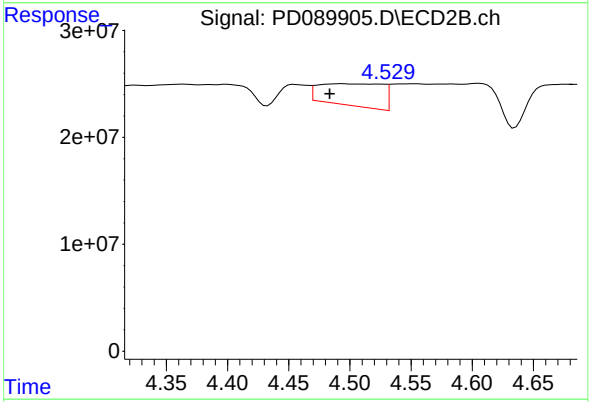
R.T.: 3.900 min
Delta R.T.: -0.002 min
Response: 1279474
Conc: 1.75 ng/ml



#24 Chlordane-2

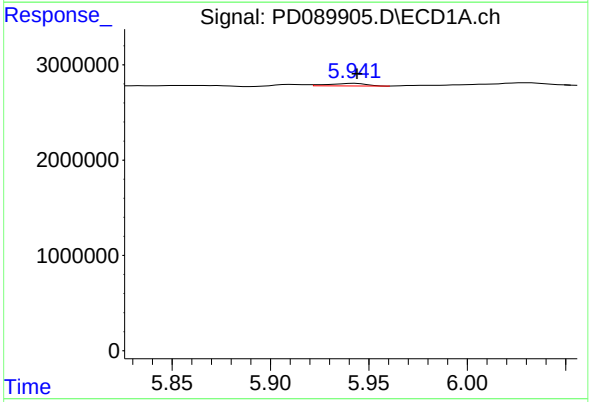
R.T.: 5.258 min
Delta R.T.: 0.019 min
Response: 353028
Conc: 2.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



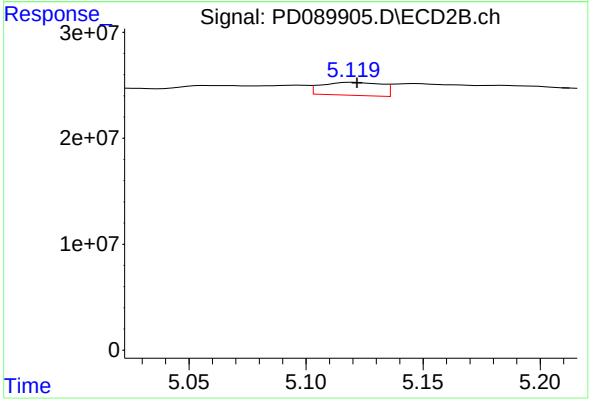
#24 Chlordane-2

R.T.: 4.494 min
Delta R.T.: 0.010 min
Response: 74219050
Conc: 97.10 ng/ml



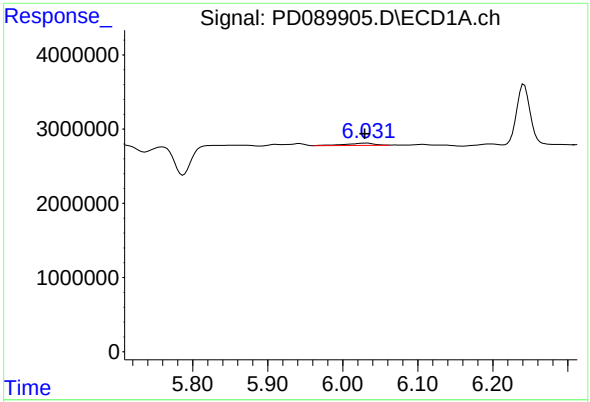
#25 Chlordane-3

R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 364993
Conc: 0.53 ng/ml



#25 Chlordane-3

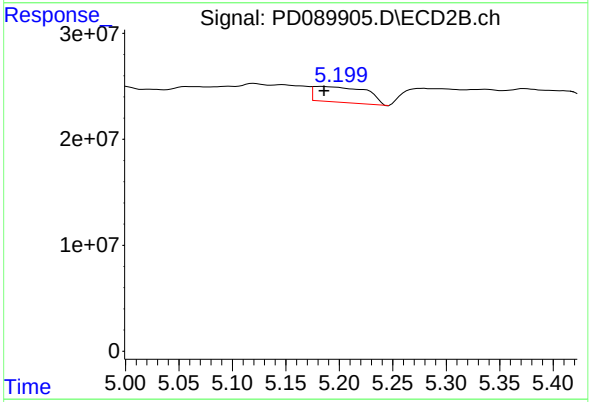
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 21860659
Conc: 9.45 ng/ml



#26 Chlordane-4

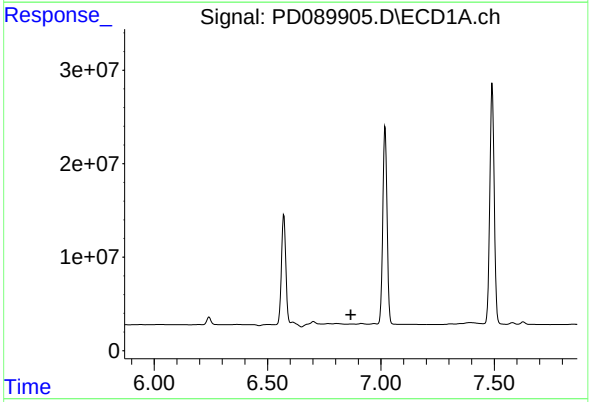
R.T.: 6.031 min
Delta R.T.: 0.002 min
Response: 843284
Conc: 1.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



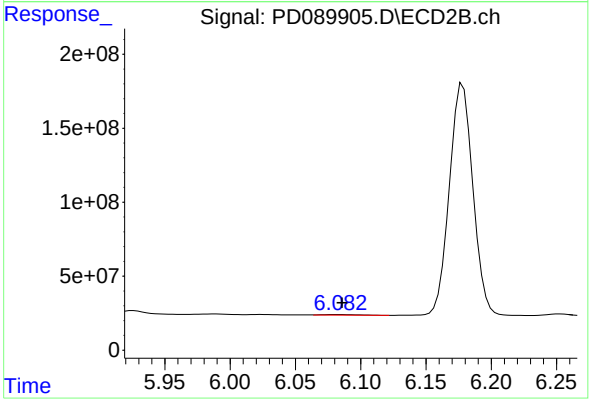
#26 Chlordane-4

R.T.: 5.183 min
Delta R.T.: -0.003 min
Response: 50087480
Conc: 25.18 ng/ml



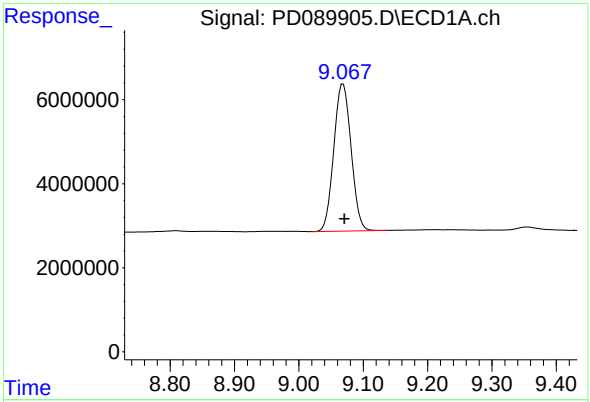
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.



#27 Chlordane-5

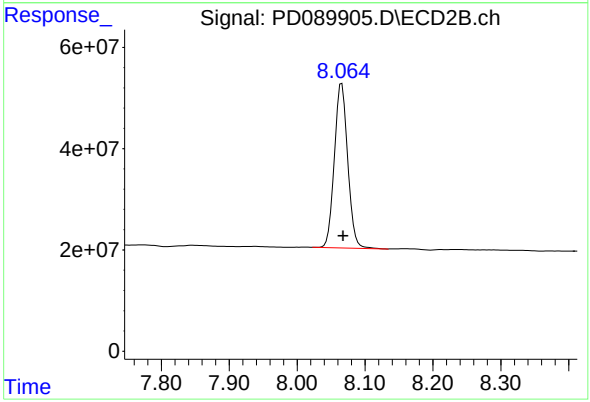
R.T.: 6.082 min
Delta R.T.: -0.004 min
Response: 6307838
Conc: 6.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 65545586
Conc: 17.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 444643015
Conc: 22.15 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 11:02
Operator : AR\AJ
Sample : Q2820-09RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : ECD_D
ClientSampleId : 705R-SRE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:50 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...	3.549	2.879	33942367	736.7E6	13.761	46.518	#
28)	SA Decachlor...	9.069	8.066	26114379	171.5E6	7.027	8.541	
	Target Compounds							
2)	A alpha-BHC	4.016f	3.398	111819	152.3E6	0.023	6.265	#
3)	MA gamma-BHC...	0.000	3.725	0	1765163	N.D.	0.078	#
4)	MA Heptachlor	4.949f	4.078	2610627	12095646	0.543	0.521	
5)	MB Aldrin	5.288f	4.368	581408	951220	0.127	0.043	#
6)	B beta-BHC	4.494f	4.033	1036578	31178566	0.562	3.231	#
7)	B delta-BHC	4.776	4.249	1033159	1881887	0.225	0.083	#
8)	B Heptachlo...	5.683	4.874	912200	2564272	0.218	0.125	#
9)	A Endosulfan I	6.091f	0.000	313370	0	0.079	N.D.	#
10)	B gamma-Chl...	5.912f	5.122	545296	10168780	0.130	0.470	#
11)	B alpha-Chl...	0.000	5.169f	0	4032262	N.D.	0.194	#
12)	B 4,4'-DDE	6.192	5.371	6960899	50115257	1.866	2.371	#
13)	MA Dieldrin	0.000	5.534f	0	48043803	N.D.	2.220	#
14)	MA Endrin	0.000	5.791	0	17988497	N.D.	0.903	#
15)	B Endosulfa...	6.769f	6.097f	501189	1631544	0.137	0.087	#
16)	A 4,4'-DDD	6.703	5.926	14745614	118.0E6	4.924	6.691	#
17)	MA 4,4'-DDT	7.043f	6.184	1894748	4945079	0.564	0.269	#
18)	B Endrin al...	6.937f	6.247	3149002	3410462	1.262	0.264	#
20)	A Methoxychlor	0.000	6.734f	0	4505366	N.D.	0.460	#
22)	Mirex	0.000	7.173	0	79892616	N.D.	5.249	#
23)	Chlordane-1	0.000	3.886	0	22127776	N.D.	30.254	#
24)	Chlordane-2	5.245	4.480	1541522	1056381	9.072	1.382	#
25)	Chlordane-3	0.000	5.122	0	10168780	N.D.	4.394	#
26)	Chlordane-4	0.000	5.169	0	4032262	N.D.	2.027	#
27)	Chlordane-5	0.000	6.097	0	1631544	N.D.	1.803	#

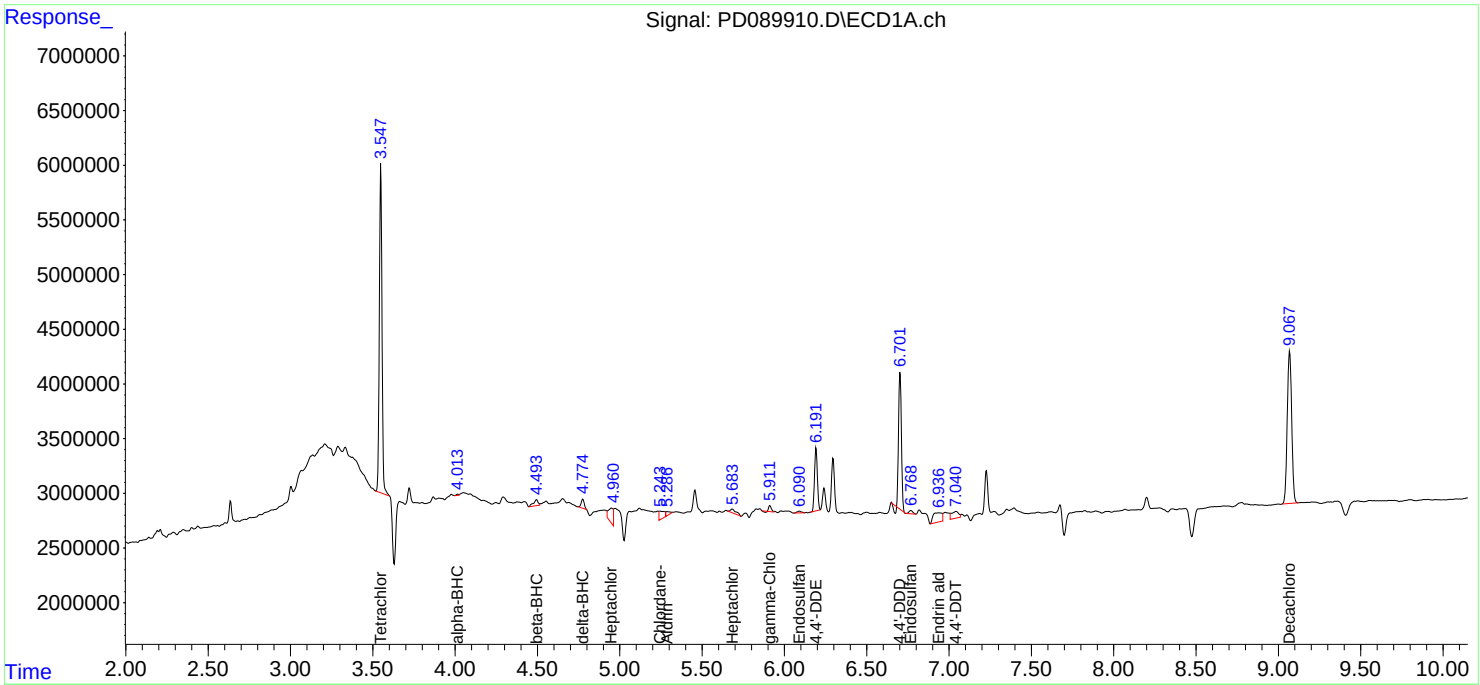
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

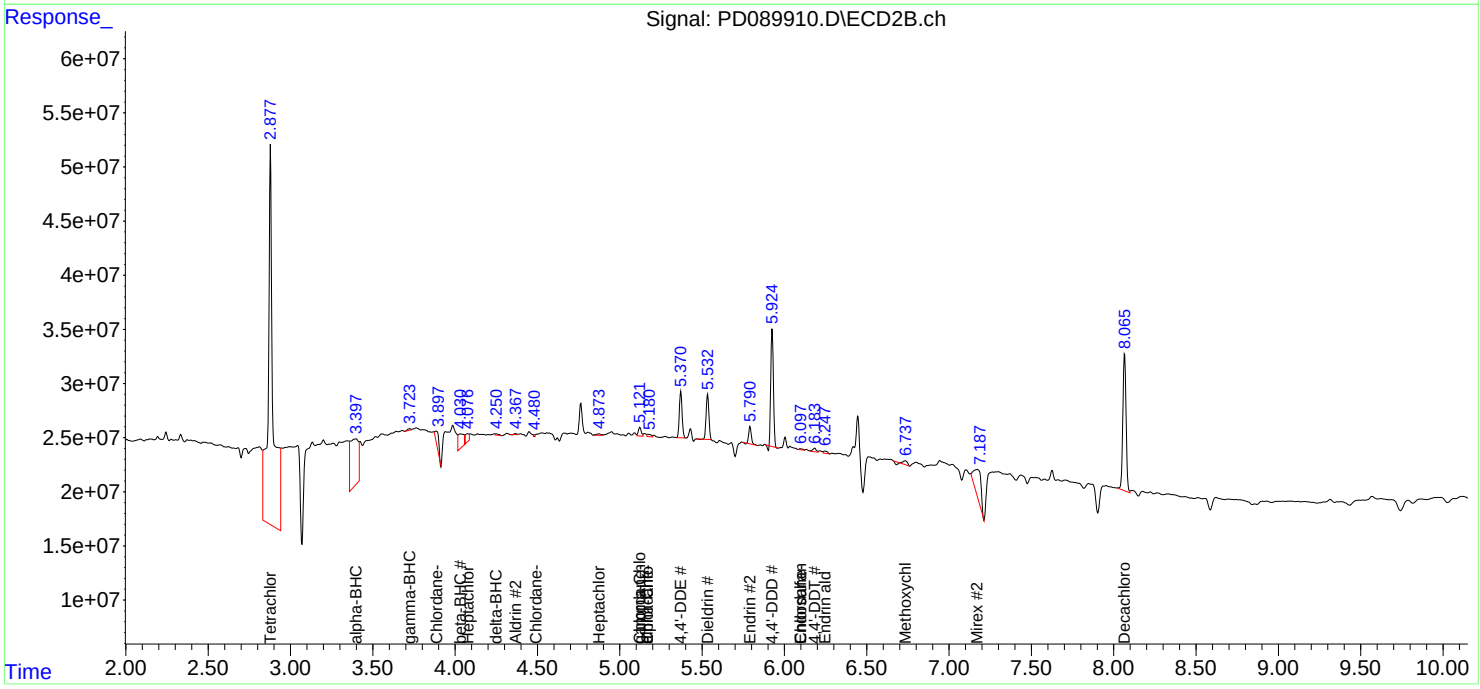
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 11:02
Operator : AR\AJ
Sample : Q2820-09RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

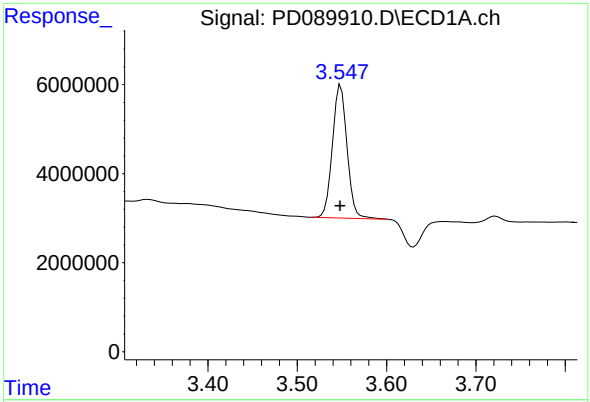
Instrument :
ECD_D
ClientSampleId :
705R-SRE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:50 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



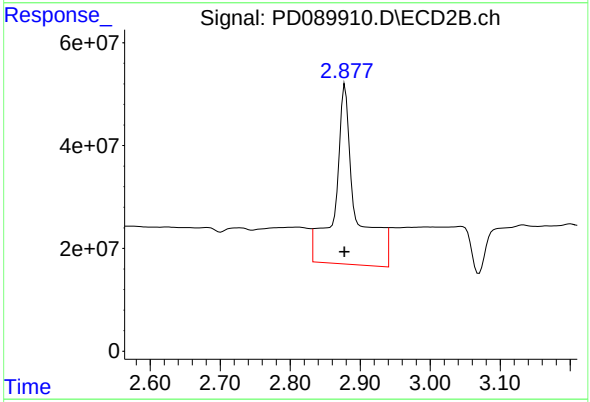




#1 Tetrachloro-m-xylene

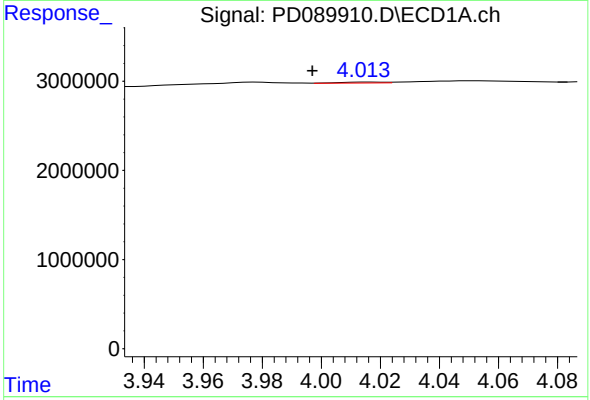
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 33942367
Conc: 13.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-SRE



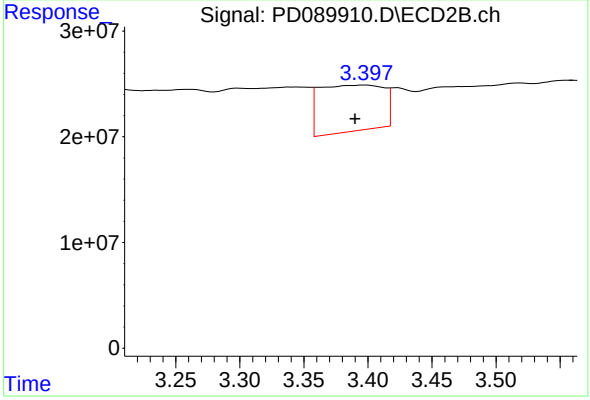
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 736749102
Conc: 46.52 ng/ml



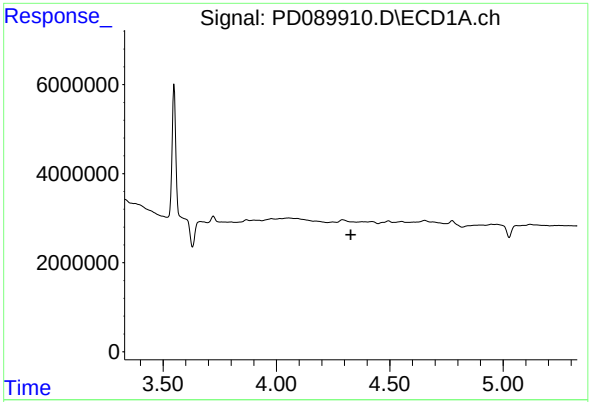
#2 alpha-BHC

R.T.: 4.016 min
Delta R.T.: 0.019 min
Response: 111819
Conc: 0.02 ng/ml



#2 alpha-BHC

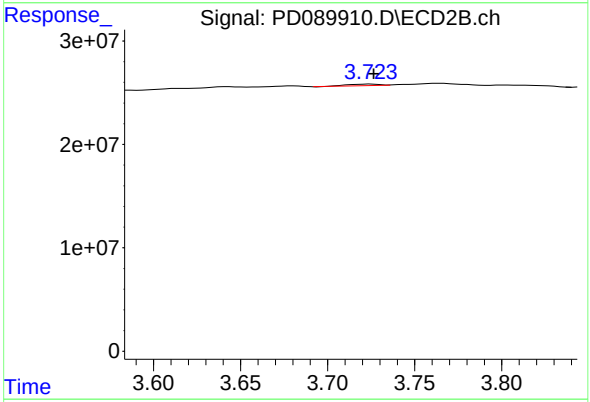
R.T.: 3.398 min
Delta R.T.: 0.008 min
Response: 152266483
Conc: 6.26 ng/ml



#3 gamma-BHC (Lindane)

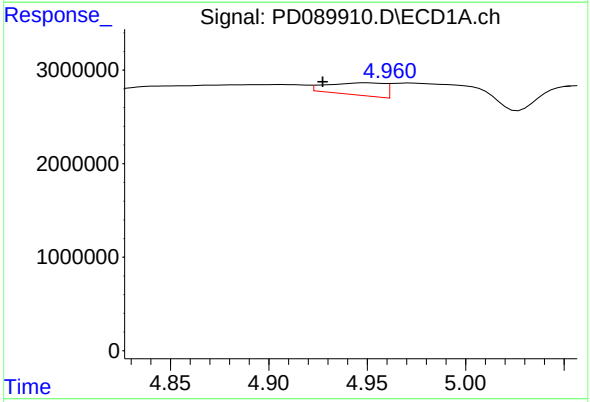
R.T.: 0.000 min
Exp R.T. : 4.328 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-SRE



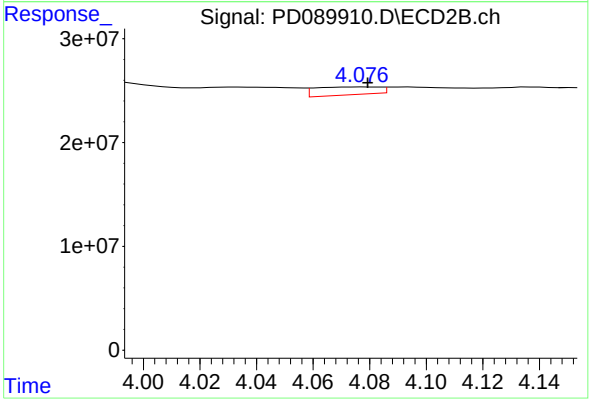
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.002 min
Response: 1765163
Conc: 0.08 ng/ml



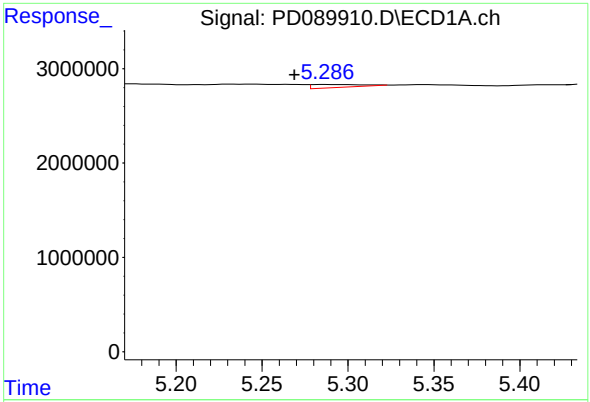
#4 Heptachlor

R.T.: 4.949 min
Delta R.T.: 0.022 min
Response: 2610627
Conc: 0.54 ng/ml



#4 Heptachlor

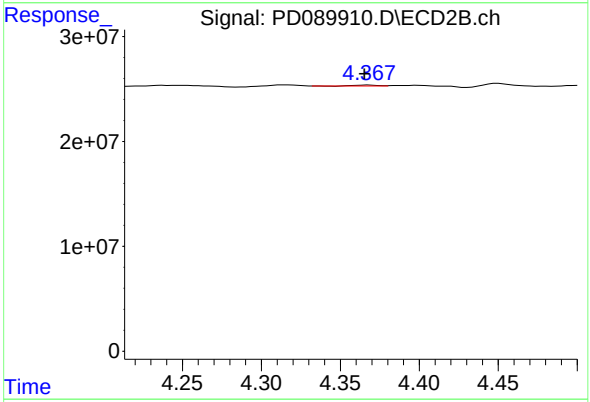
R.T.: 4.078 min
Delta R.T.: -0.002 min
Response: 12095646
Conc: 0.52 ng/ml



#5 Aldrin

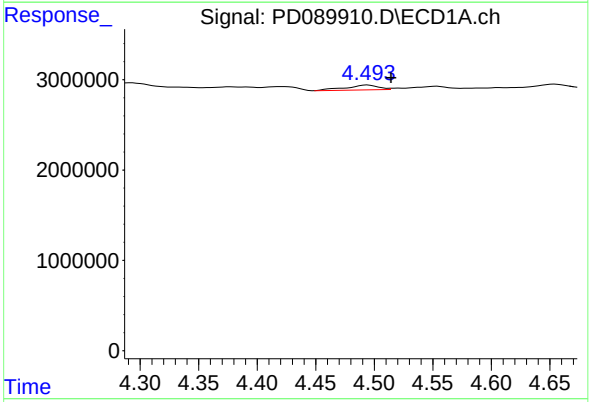
R.T.: 5.288 min
Delta R.T.: 0.019 min
Response: 581408
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-SRE



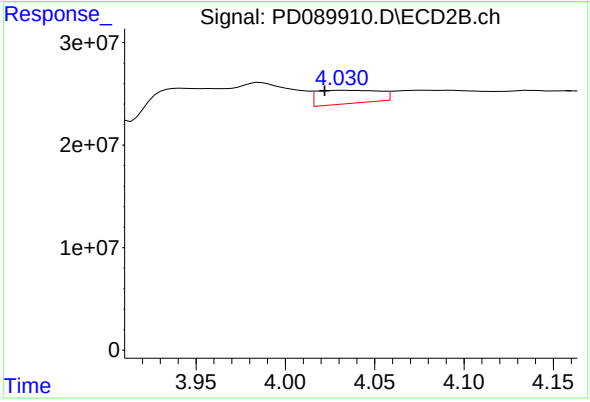
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.003 min
Response: 951220
Conc: 0.04 ng/ml



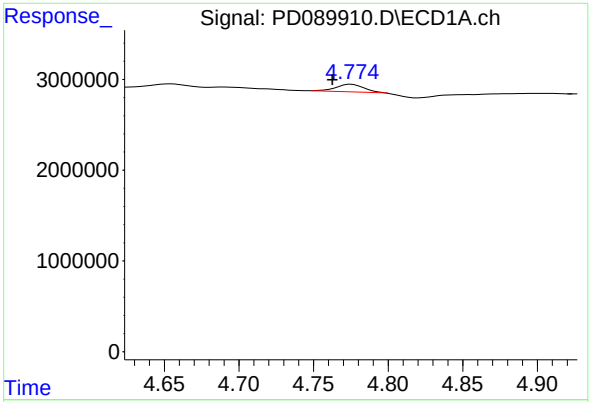
#6 beta-BHC

R.T.: 4.494 min
Delta R.T.: -0.020 min
Response: 1036578
Conc: 0.56 ng/ml



#6 beta-BHC

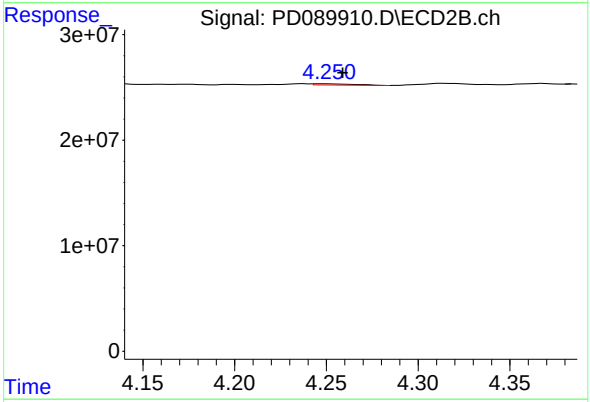
R.T.: 4.033 min
Delta R.T.: 0.011 min
Response: 31178566
Conc: 3.23 ng/ml



#7 delta-BHC

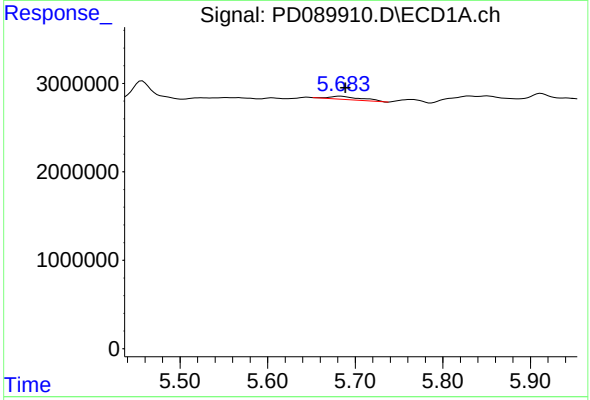
R.T.: 4.776 min
Delta R.T.: 0.013 min
Response: 1033159
Conc: 0.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-SRE



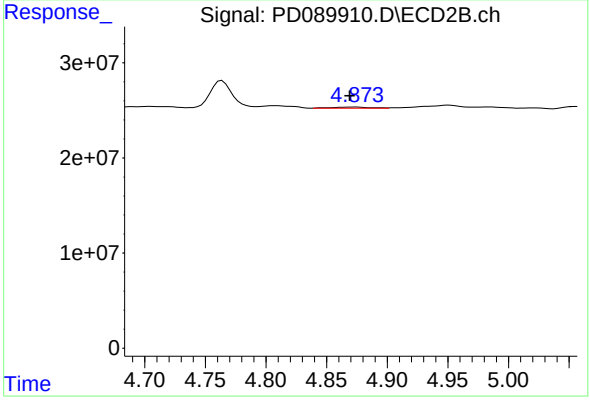
#7 delta-BHC

R.T.: 4.249 min
Delta R.T.: -0.010 min
Response: 1881887
Conc: 0.08 ng/ml



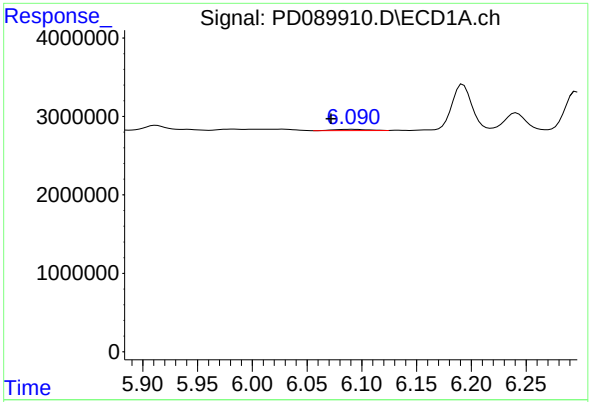
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.006 min
Response: 912200
Conc: 0.22 ng/ml



#8 Heptachlor epoxide

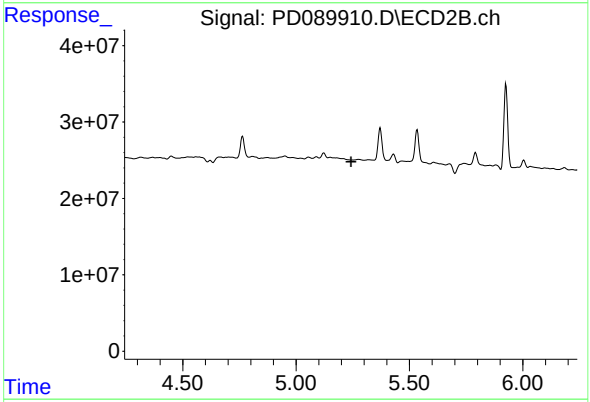
R.T.: 4.874 min
Delta R.T.: 0.005 min
Response: 2564272
Conc: 0.12 ng/ml



#9 Endosulfan I

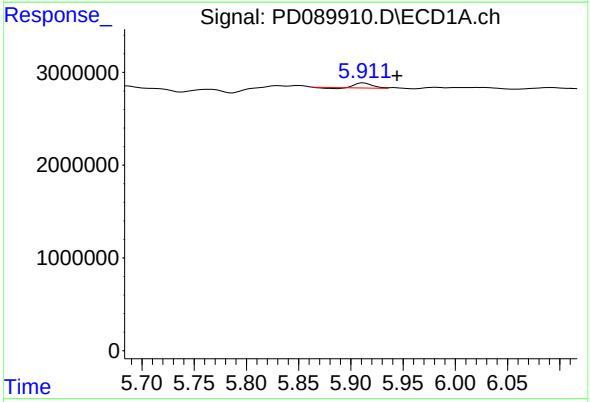
R.T.: 6.091 min
Delta R.T.: 0.019 min
Response: 313370
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-SRE



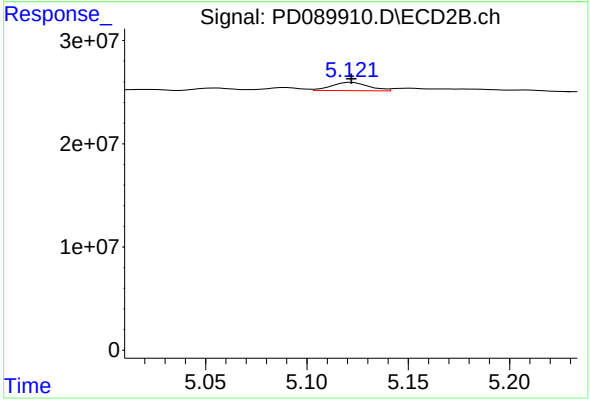
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 5.243 min
Response: 0
Conc: N.D.



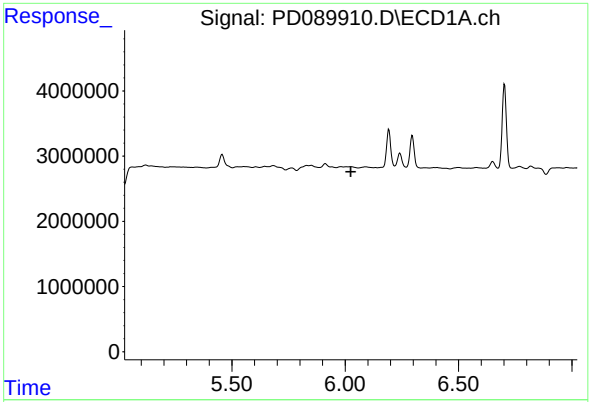
#10 gamma-Chlordane

R.T.: 5.912 min
Delta R.T.: -0.032 min
Response: 545296
Conc: 0.13 ng/ml



#10 gamma-Chlordane

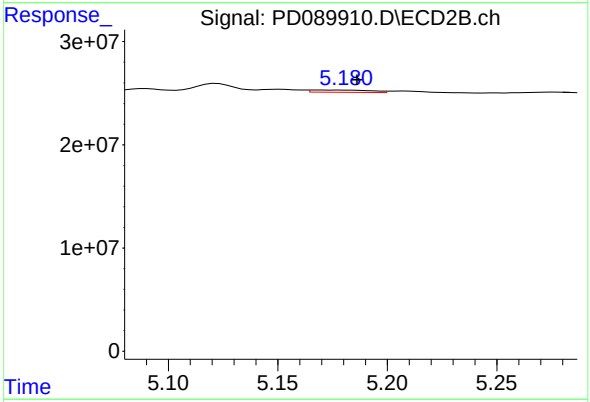
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 10168780
Conc: 0.47 ng/ml



#11 alpha-Chlordane

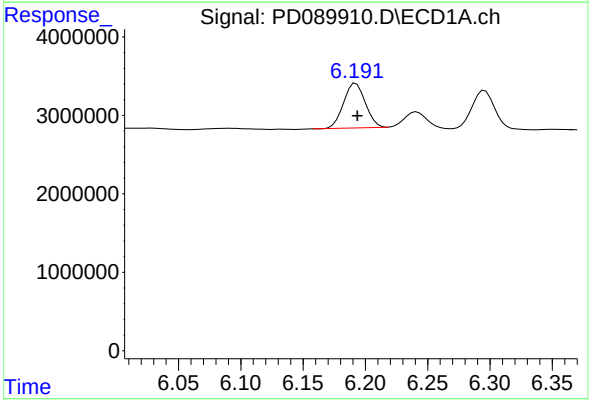
R.T.: 0.000 min
Exp R.T. : 6.025 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-SRE



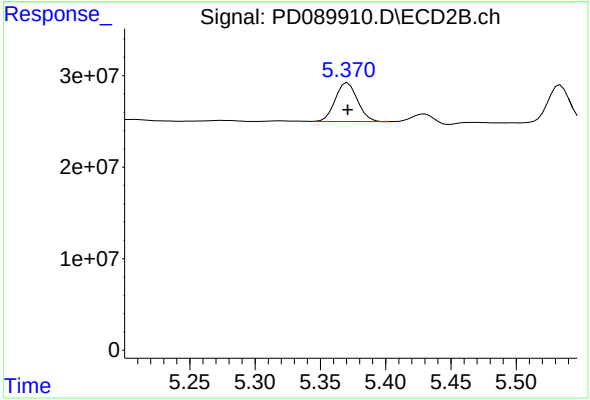
#11 alpha-Chlordane

R.T.: 5.169 min
Delta R.T.: -0.018 min
Response: 4032262
Conc: 0.19 ng/ml



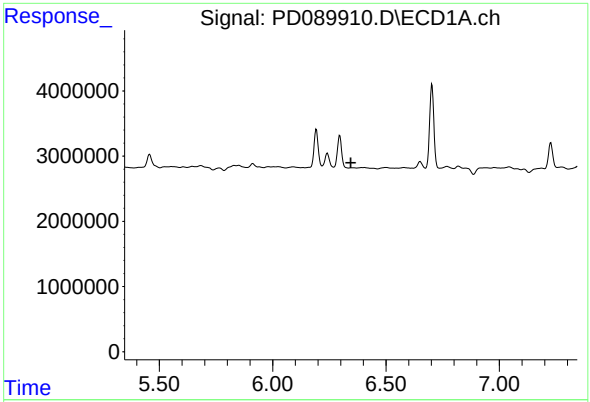
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 6960899
Conc: 1.87 ng/ml



#12 4,4'-DDE

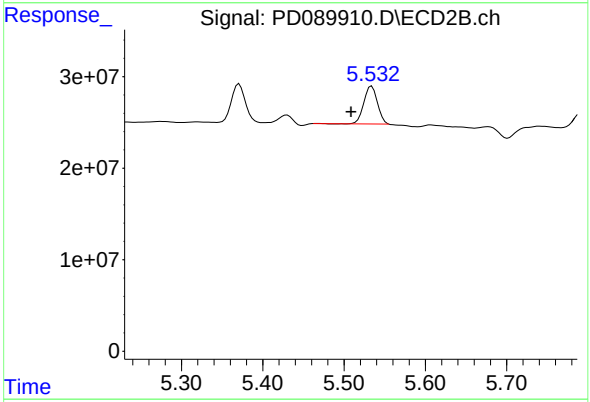
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 50115257
Conc: 2.37 ng/ml



#13 Dieldrin

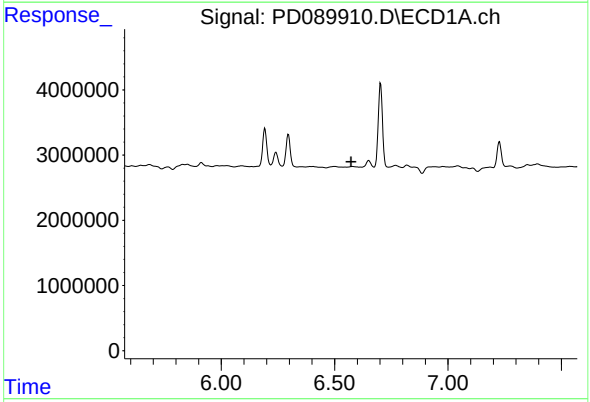
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-SRE



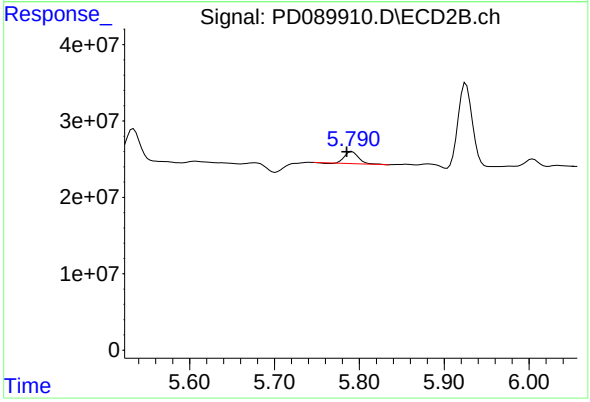
#13 Dieldrin

R.T.: 5.534 min
Delta R.T.: 0.025 min
Response: 48043803
Conc: 2.22 ng/ml



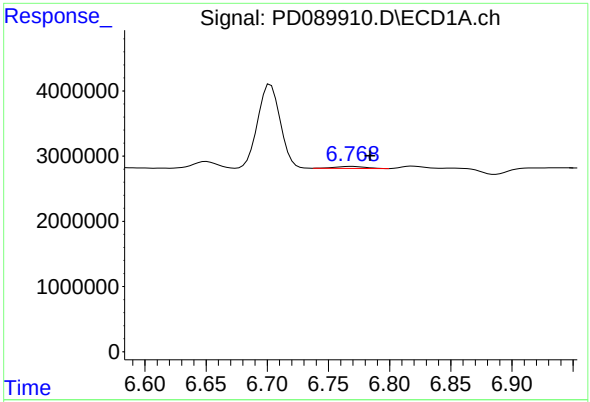
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.



#14 Endrin

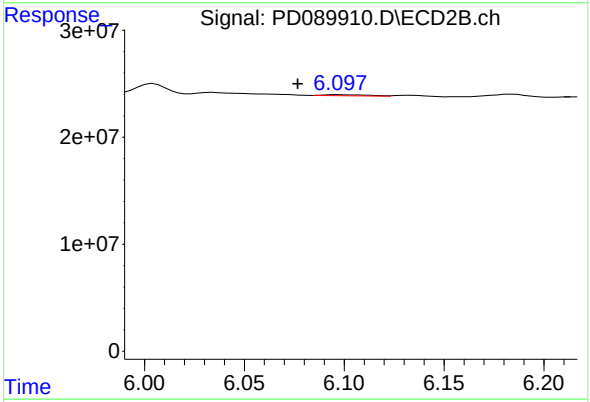
R.T.: 5.791 min
Delta R.T.: 0.006 min
Response: 17988497
Conc: 0.90 ng/ml



#15 Endosulfan II

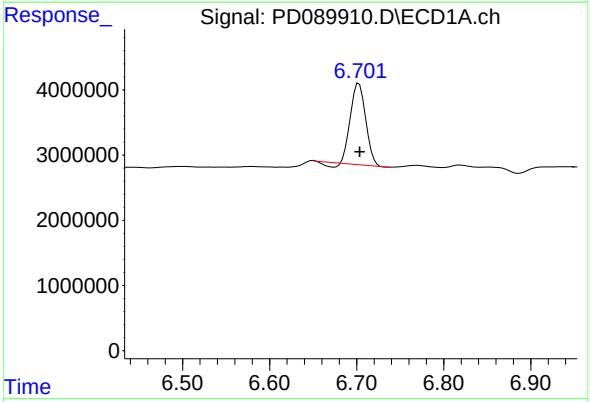
R.T.: 6.769 min
Delta R.T.: -0.015 min
Response: 501189
Conc: 0.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-SRE



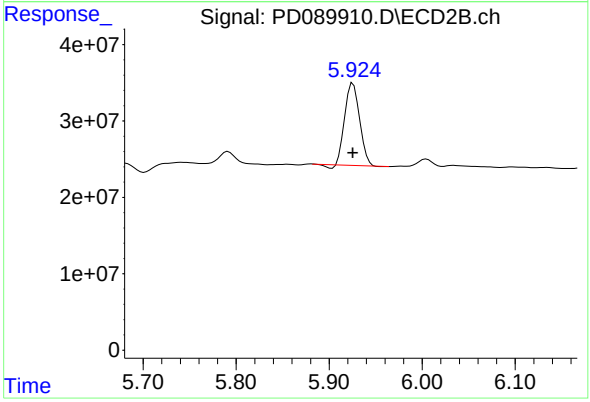
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.021 min
Response: 1631544
Conc: 0.09 ng/ml



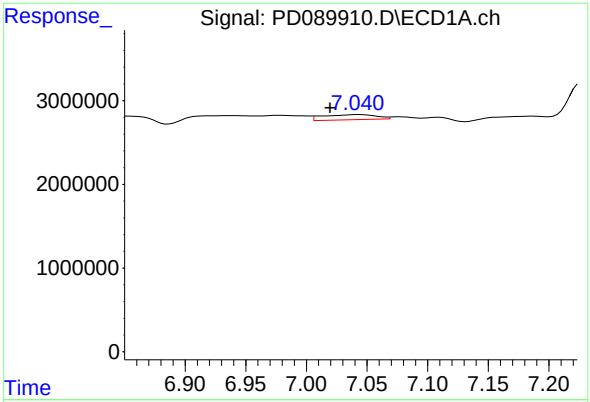
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 14745614
Conc: 4.92 ng/ml



#16 4,4'-DDD

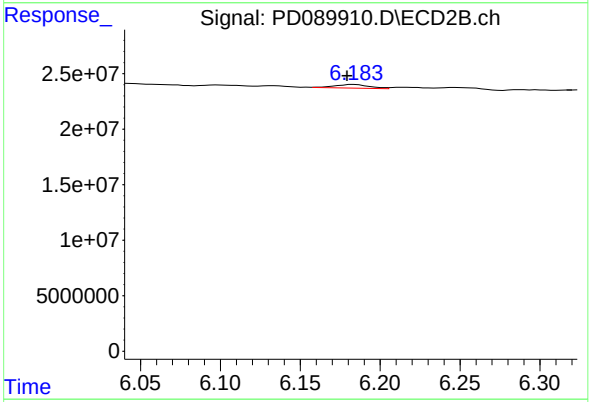
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 117983537
Conc: 6.69 ng/ml



#17 4,4'-DDT

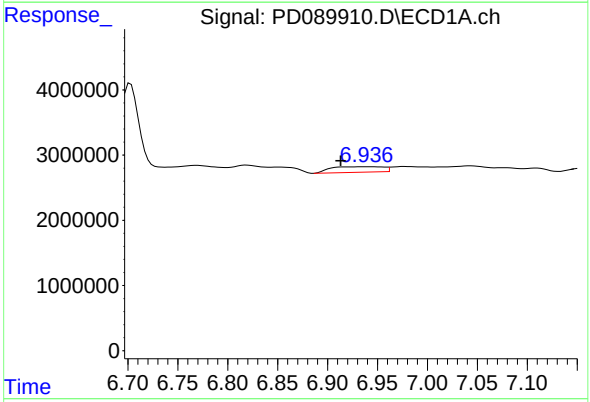
R.T.: 7.043 min
Delta R.T.: 0.024 min
Response: 1894748
Conc: 0.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
705R-SRE



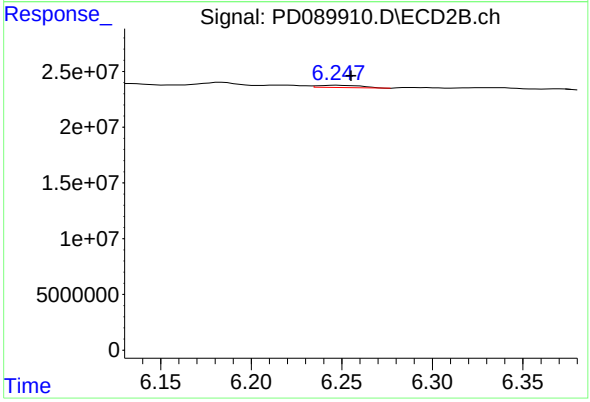
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.004 min
Response: 4945079
Conc: 0.27 ng/ml



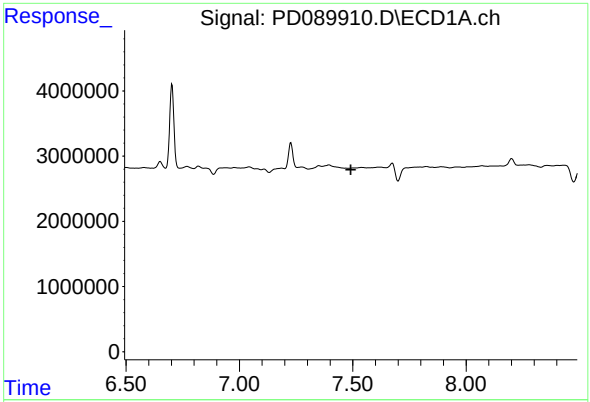
#18 Endrin aldehyde

R.T.: 6.937 min
Delta R.T.: 0.024 min
Response: 3149002
Conc: 1.26 ng/ml



#18 Endrin aldehyde

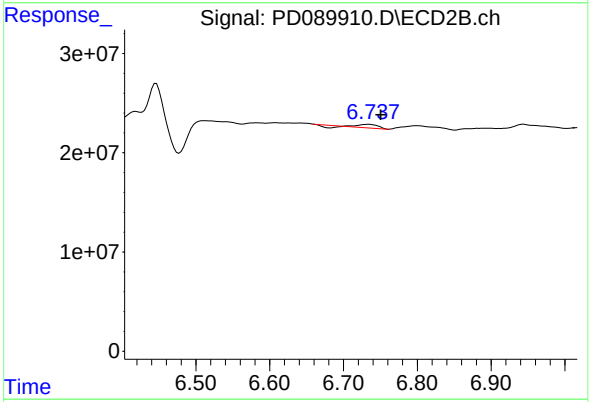
R.T.: 6.247 min
Delta R.T.: -0.008 min
Response: 3410462
Conc: 0.26 ng/ml



#20 Methoxychlor

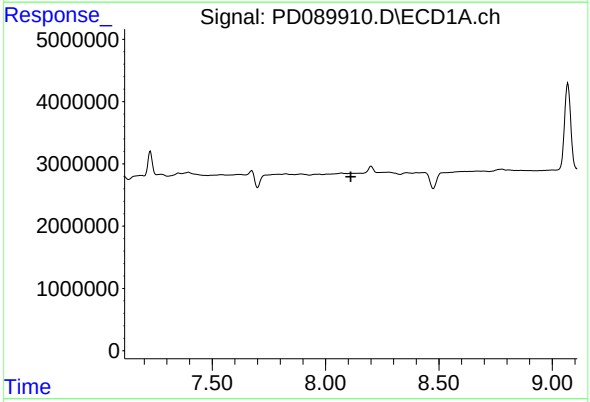
R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-SRE



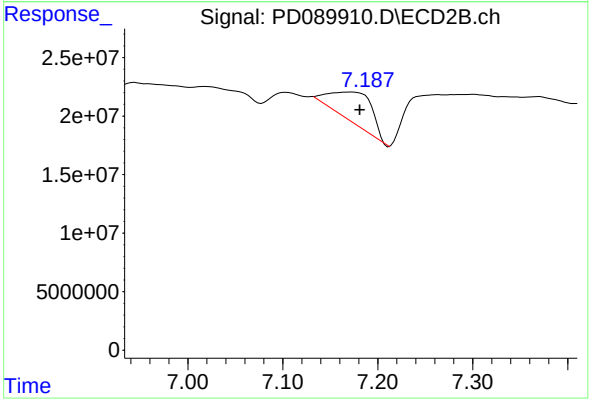
#20 Methoxychlor

R.T.: 6.734 min
Delta R.T.: -0.017 min
Response: 4505366
Conc: 0.46 ng/ml



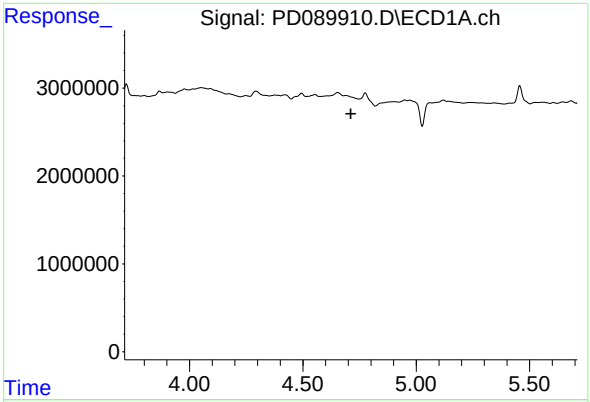
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

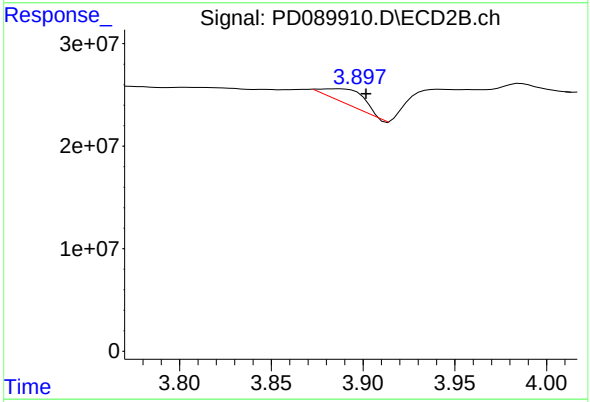
R.T.: 7.173 min
Delta R.T.: -0.008 min
Response: 79892616
Conc: 5.25 ng/ml



#23 Chlordane-1

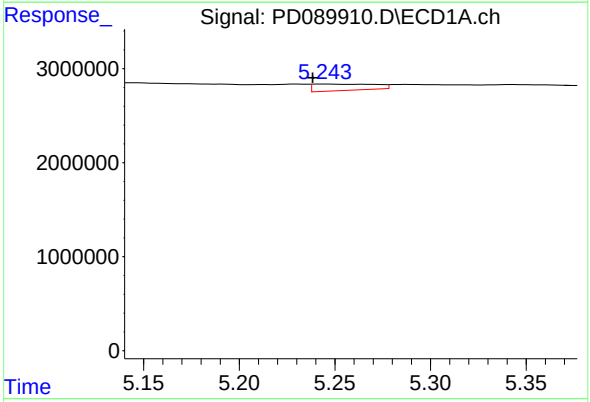
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-SRE



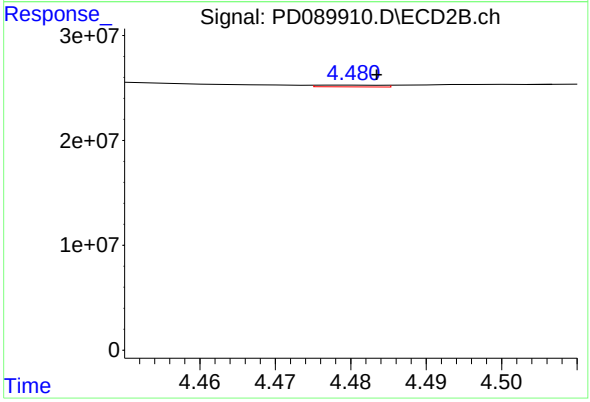
#23 Chlordane-1

R.T.: 3.886 min
Delta R.T.: -0.015 min
Response: 22127776
Conc: 30.25 ng/ml



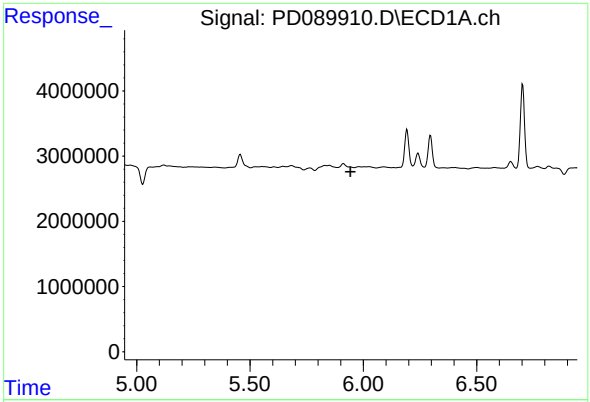
#24 Chlordane-2

R.T.: 5.245 min
Delta R.T.: 0.007 min
Response: 1541522
Conc: 9.07 ng/ml



#24 Chlordane-2

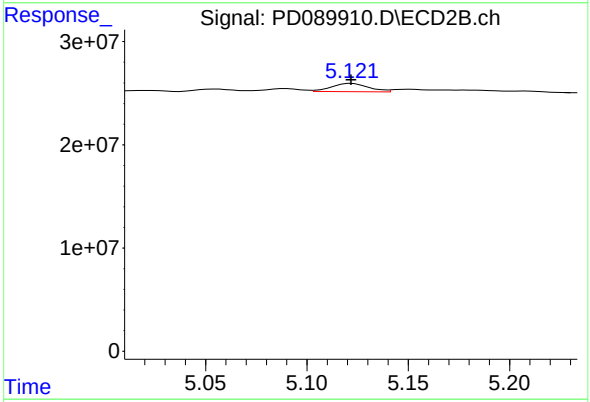
R.T.: 4.480 min
Delta R.T.: -0.003 min
Response: 1056381
Conc: 1.38 ng/ml



#25 Chlordane-3

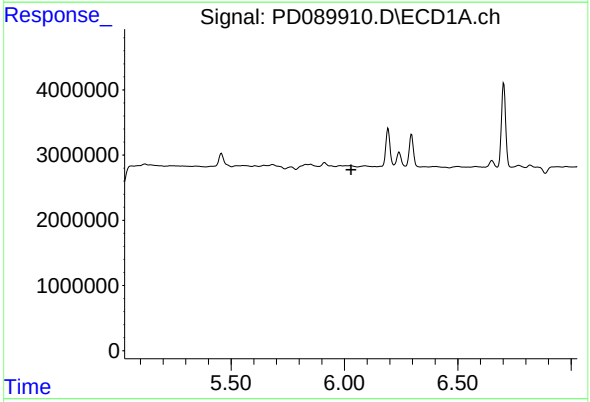
R.T.: 0.000 min
Exp R.T. : 5.944 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-SRE



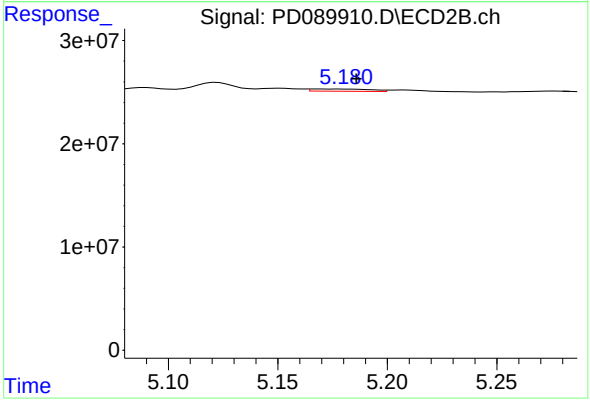
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 10168780
Conc: 4.39 ng/ml



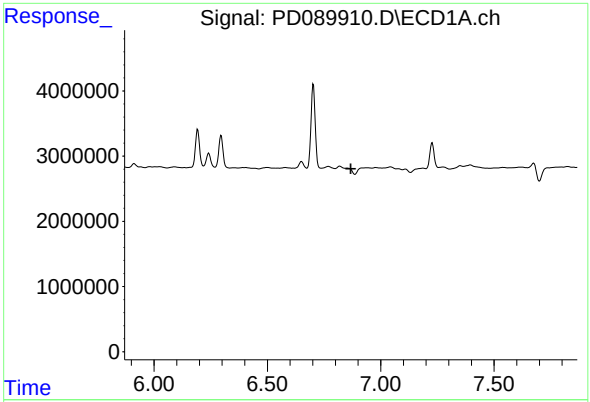
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.029 min
Response: 0
Conc: N.D.



#26 Chlordane-4

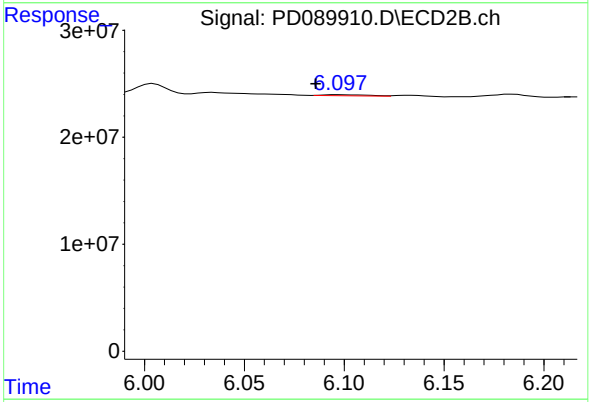
R.T.: 5.169 min
Delta R.T.: -0.017 min
Response: 4032262
Conc: 2.03 ng/ml



#27 Chlordane-5

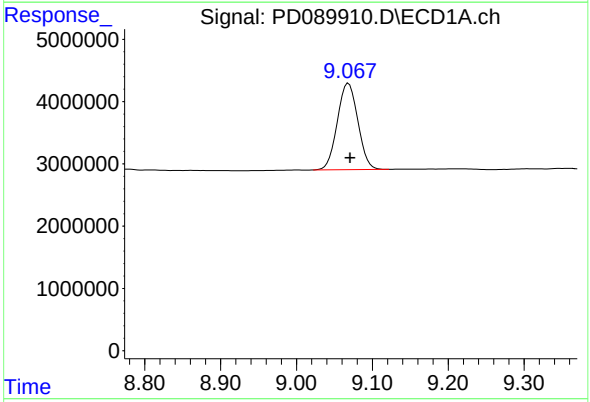
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
705R-SRE



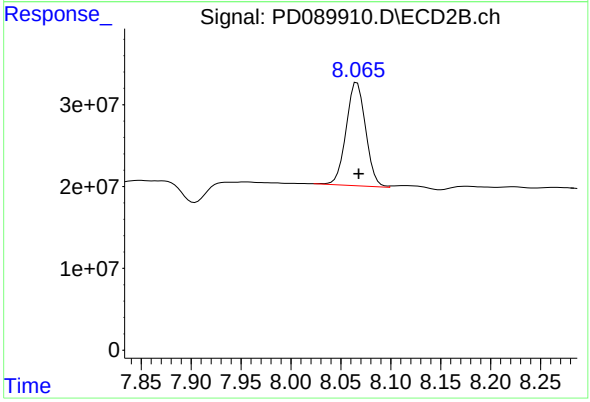
#27 Chlordane-5

R.T.: 6.097 min
Delta R.T.: 0.012 min
Response: 1631544
Conc: 1.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 26114379
Conc: 7.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 171480540
Conc: 8.54 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:12
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 18 01:50:20 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...	3.556	2.877	47548766	388.7E6	19.277	24.542	#
28)	SA Decachlor...	9.079	8.069	73001070	429.1E6	19.644	21.374	
	Target Compounds							
2)	A alpha-BHC	0.000	3.381	0	4527167	N.D.	0.186	#
3)	MA gamma-BHC...	4.346f	3.731	278207	903182	0.059	0.040	#
4)	MA Heptachlor	0.000	4.082	0	1115864	N.D.	0.048	#
5)	MB Aldrin	0.000	4.376	0	176018	N.D.	0.008	#
6)	B beta-BHC	0.000	4.043f	0	2072738	N.D.	0.215	#
7)	B delta-BHC	4.785f	4.258	1788232	807037	0.390	0.036	#
8)	B Heptachlo...	5.690	4.875	2282777	1780611	0.546	0.087	#
9)	A Endosulfan I	0.000	5.228f	0	5197958	N.D.	0.266	#
11)	B alpha-Chl...	6.002f	5.198	891657	41594780	0.212	1.998	#
13)	MA Dieldrin	0.000	5.505	0	2146398	N.D.	0.099	#
14)	MA Endrin	0.000	5.792	0	39222945	N.D.	1.969	#
15)	B Endosulfa...	6.777	6.102f	780140	1444868	0.213	0.077	#
16)	A 4,4'-DDD	6.702	5.921	246646	1903426	0.082	0.108	#
17)	MA 4,4'-DDT	0.000	6.161f	0	12007490	N.D.	0.654	#
18)	B Endrin al...	6.945f	6.266	4171558	713201	1.672	0.055	#
19)	B Endosulfa...	7.130f	0.000	2963230	0	0.854	N.D.	#
21)	B Endrin ke...	0.000	6.965f	0	16705307	N.D.	0.832	#
22)	Mirex	8.125	0.000	8476856	0	3.040	N.D.	#
23)	Chlordane-1	0.000	3.888	0	146410	N.D.	0.200	#
24)	Chlordane-2	0.000	4.485	0	14451861	N.D.	18.907	#
26)	Chlordane-4	6.002f	5.198	891657	41594780	1.065	20.907	#
27)	Chlordane-5	0.000	6.102	0	1444868	N.D.	1.597	#

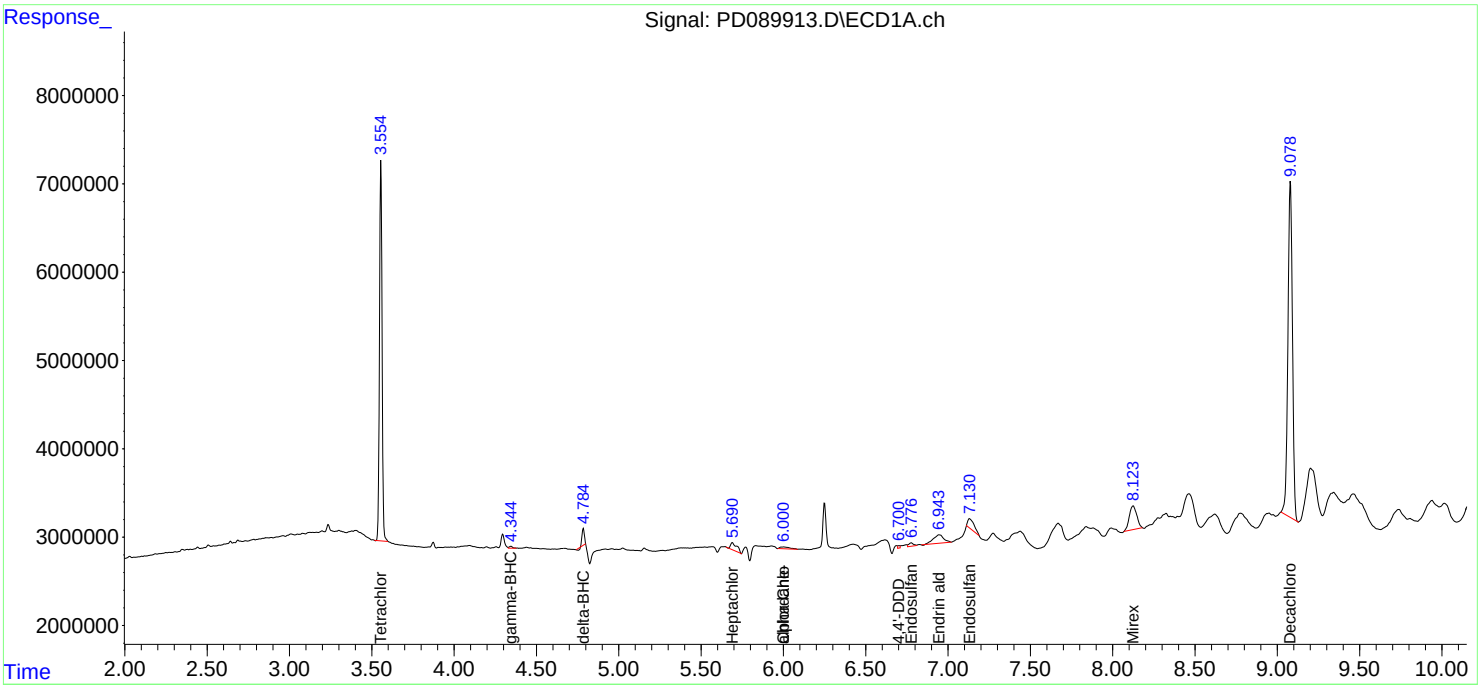
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

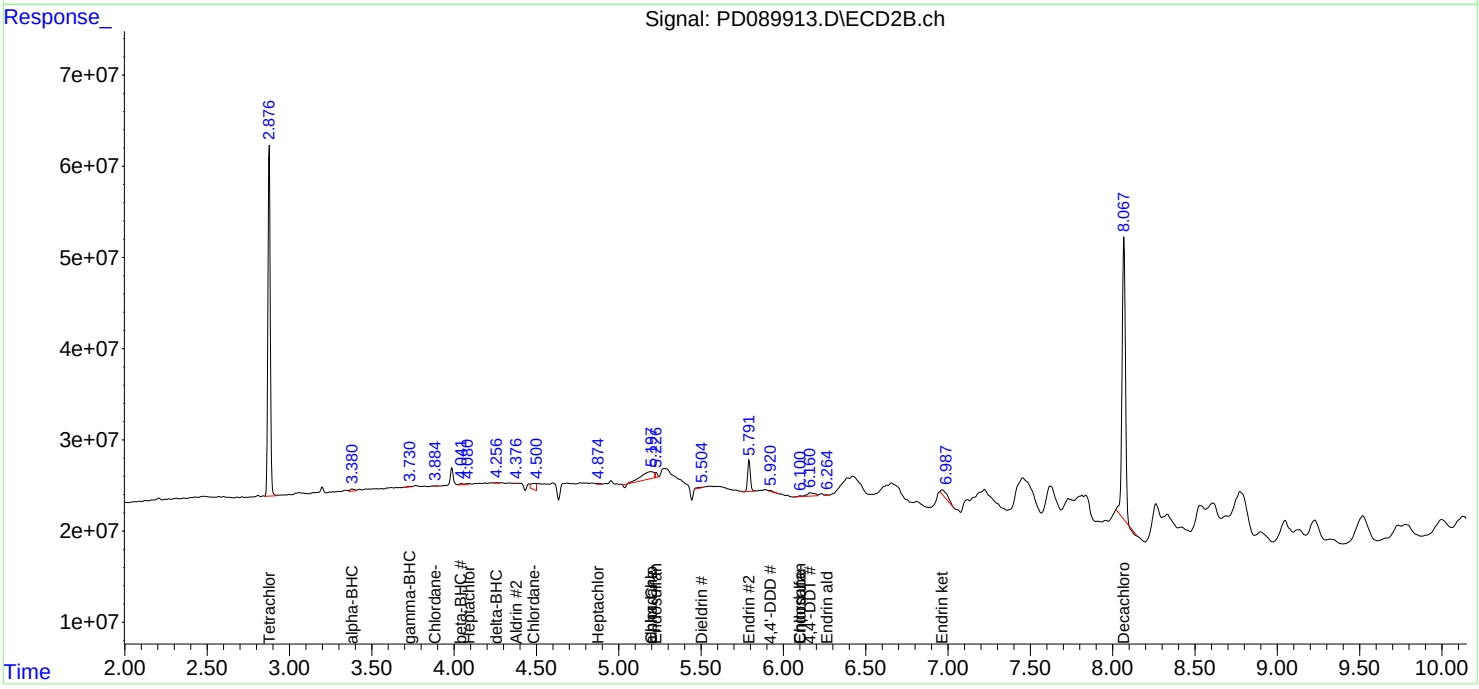
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

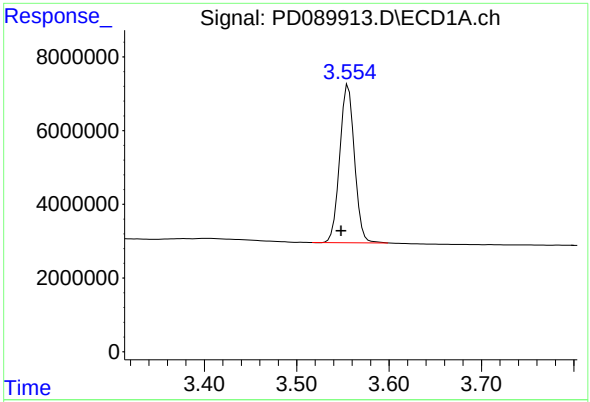
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:20 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



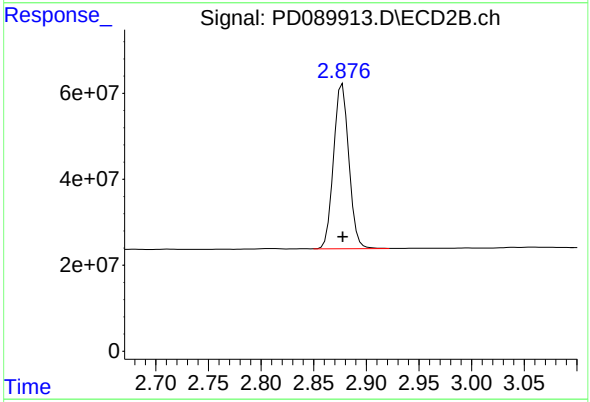




#1 Tetrachloro-m-xylene

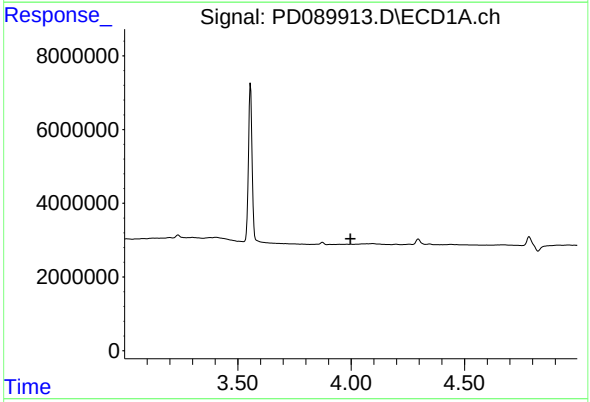
R.T.: 3.556 min
Delta R.T.: 0.008 min
Response: 47548766
Conc: 19.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



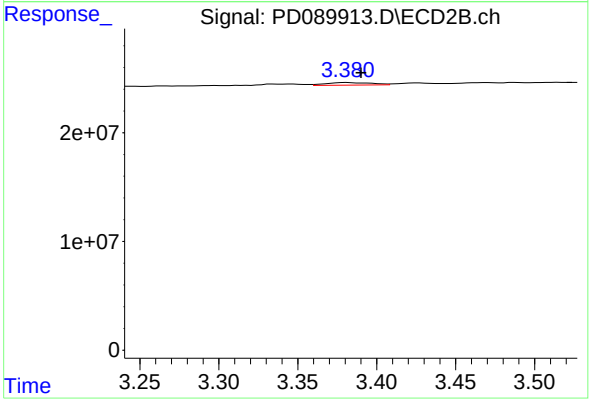
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 388691888
Conc: 24.54 ng/ml



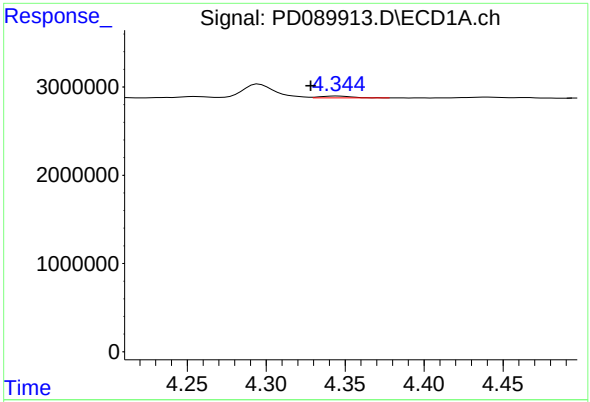
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

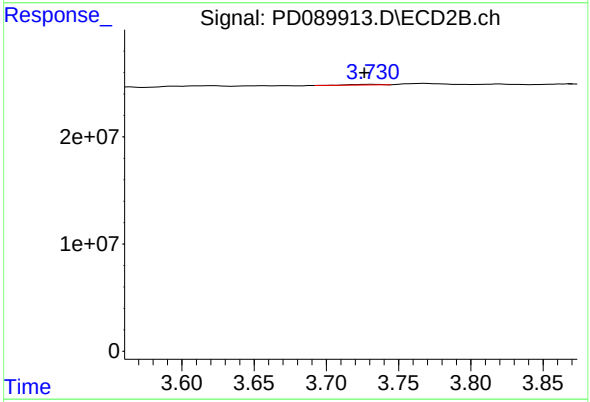
R.T.: 3.381 min
Delta R.T.: -0.009 min
Response: 4527167
Conc: 0.19 ng/ml



#3 gamma-BHC (Lindane)

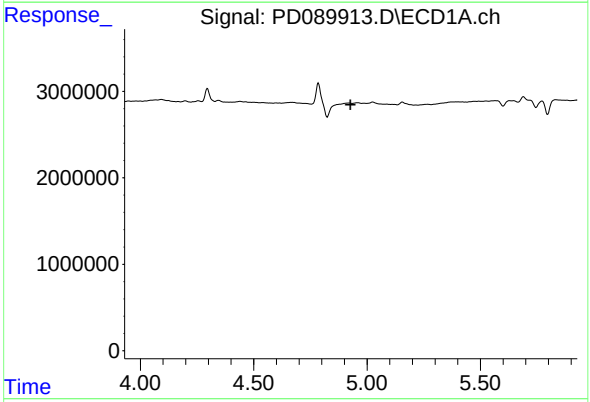
R.T.: 4.346 min
Delta R.T.: 0.017 min
Response: 278207
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



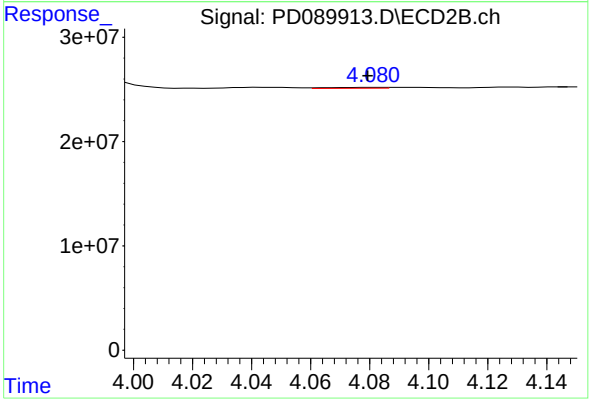
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.005 min
Response: 903182
Conc: 0.04 ng/ml



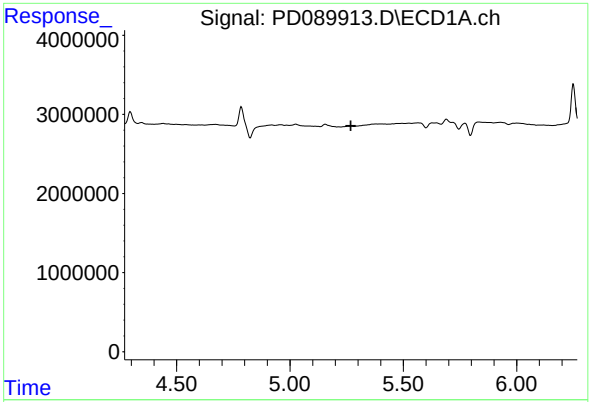
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.927 min
Response: 0
Conc: N.D.



#4 Heptachlor

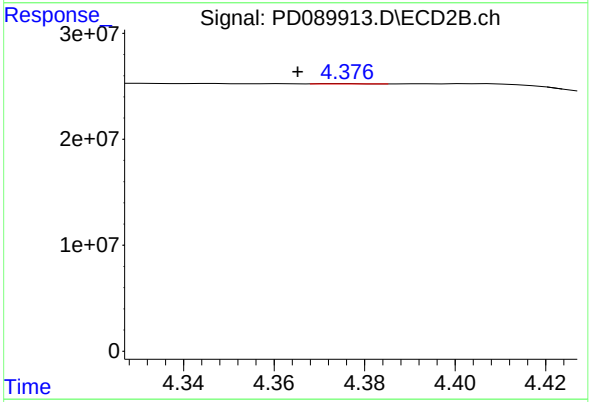
R.T.: 4.082 min
Delta R.T.: 0.003 min
Response: 1115864
Conc: 0.05 ng/ml



#5 Aldrin

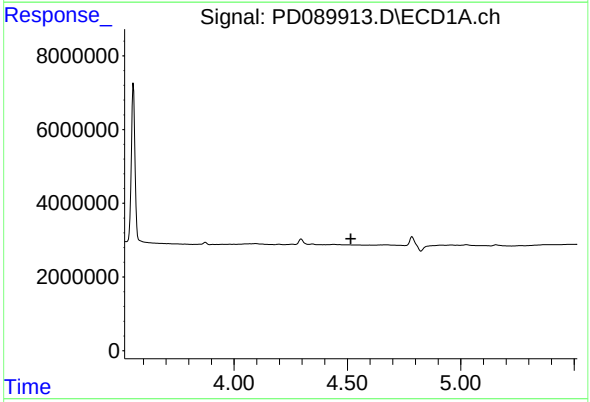
R.T.: 0.000 min
Exp R.T. : 5.269 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



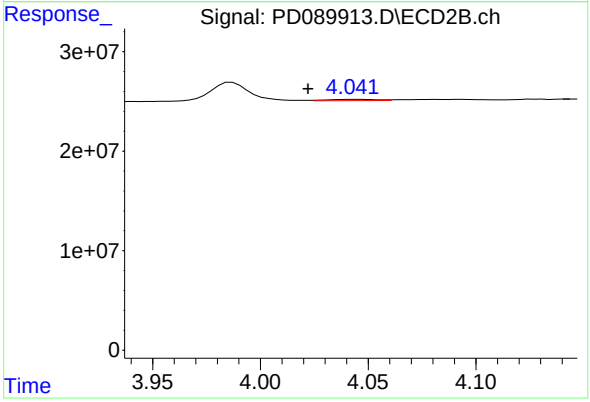
#5 Aldrin

R.T.: 4.376 min
Delta R.T.: 0.011 min
Response: 176018
Conc: 0.01 ng/ml



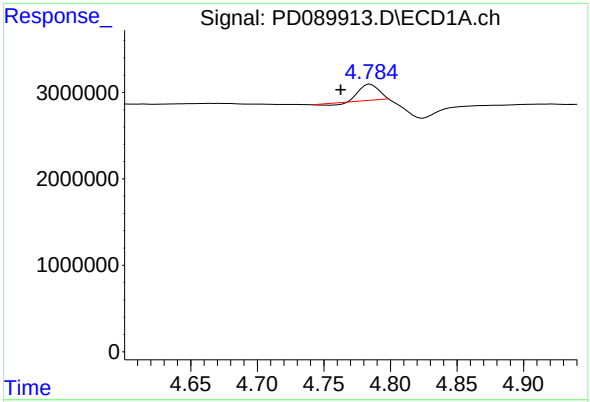
#6 beta-BHC

R.T.: 0.000 min
Exp R.T. : 4.514 min
Response: 0
Conc: N.D.



#6 beta-BHC

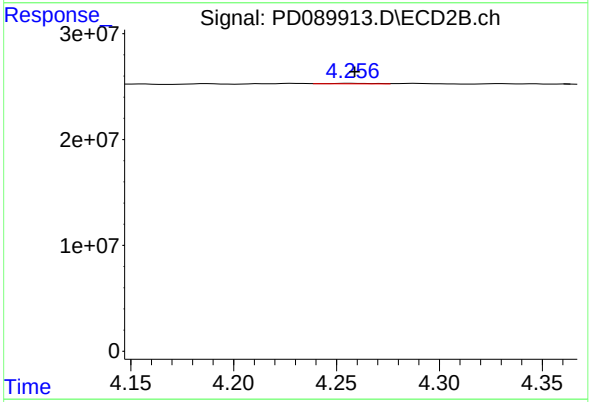
R.T.: 4.043 min
Delta R.T.: 0.021 min
Response: 2072738
Conc: 0.21 ng/ml



#7 delta-BHC

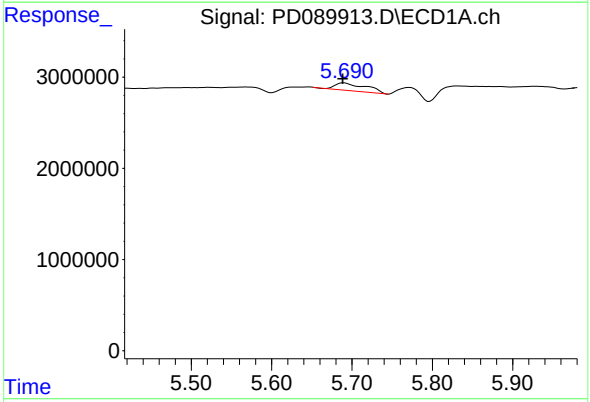
R.T.: 4.785 min
Delta R.T.: 0.023 min
Response: 1788232
Conc: 0.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



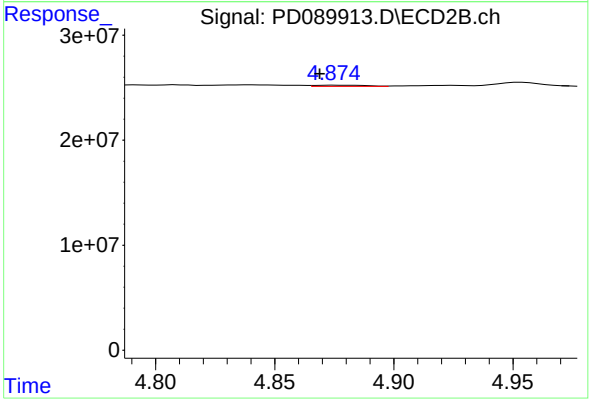
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.001 min
Response: 807037
Conc: 0.04 ng/ml



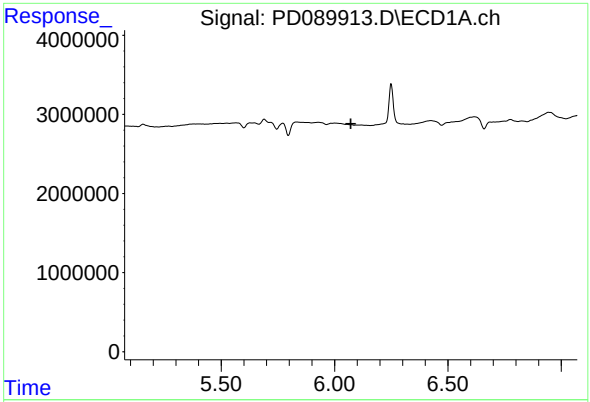
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.001 min
Response: 2282777
Conc: 0.55 ng/ml



#8 Heptachlor epoxide

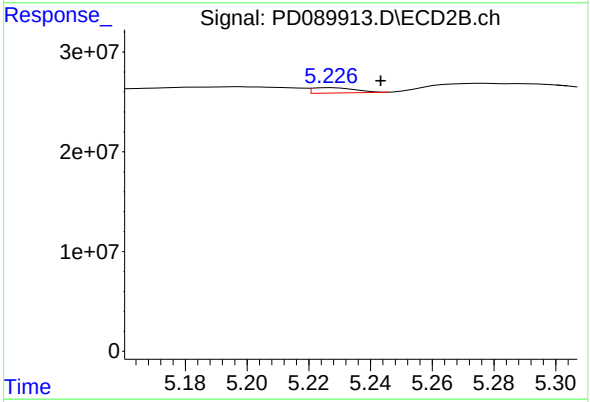
R.T.: 4.875 min
Delta R.T.: 0.006 min
Response: 1780611
Conc: 0.09 ng/ml



#9 Endosulfan I

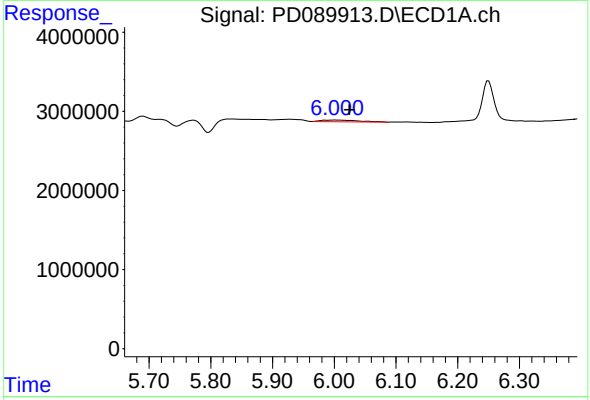
R.T.: 0.000 min
Exp R.T. : 6.072 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



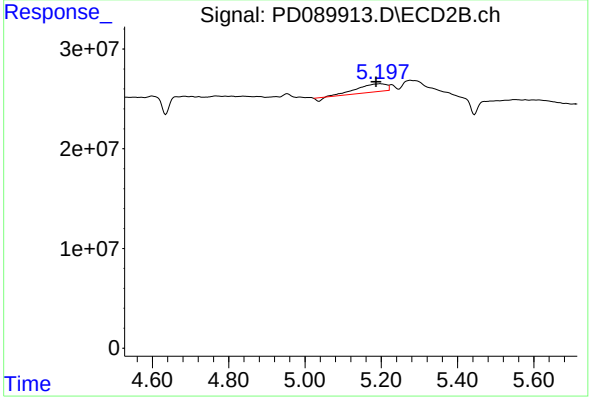
#9 Endosulfan I

R.T.: 5.228 min
Delta R.T.: -0.016 min
Response: 5197958
Conc: 0.27 ng/ml



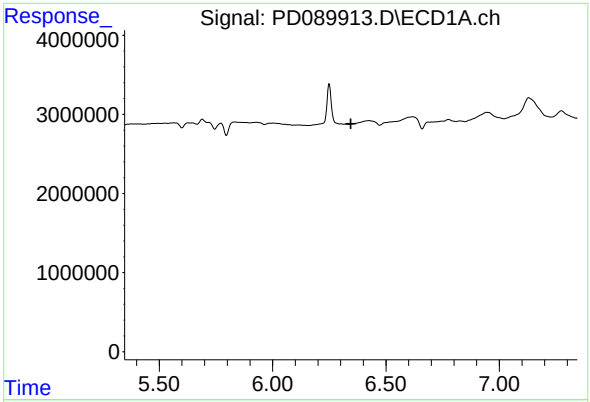
#11 alpha-Chlordane

R.T.: 6.002 min
Delta R.T.: -0.023 min
Response: 891657
Conc: 0.21 ng/ml



#11 alpha-Chlordane

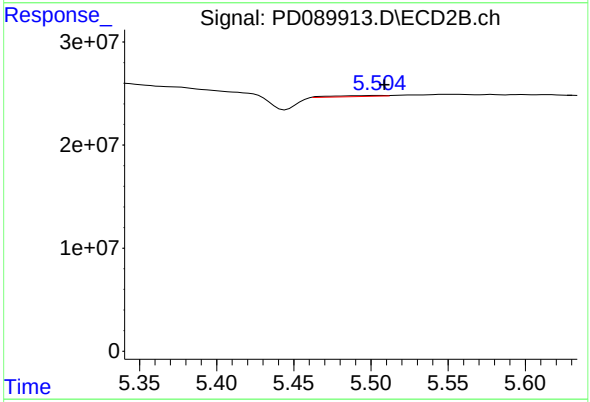
R.T.: 5.198 min
Delta R.T.: 0.011 min
Response: 41594780
Conc: 2.00 ng/ml



#13 Dieldrin

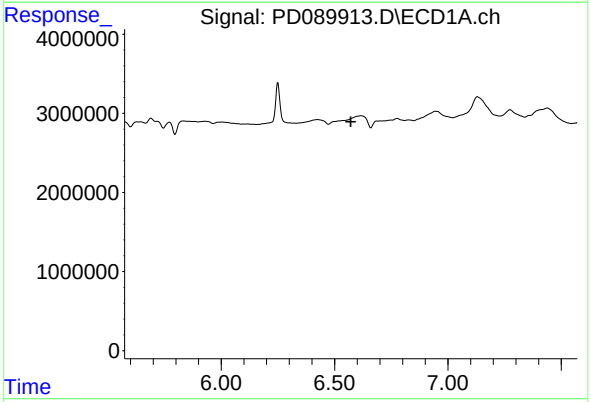
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



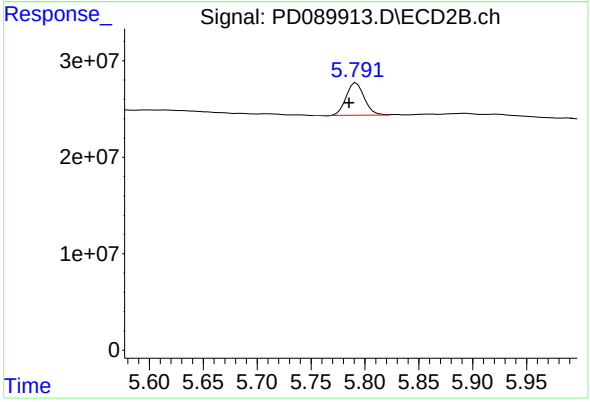
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.004 min
Response: 2146398
Conc: 0.10 ng/ml



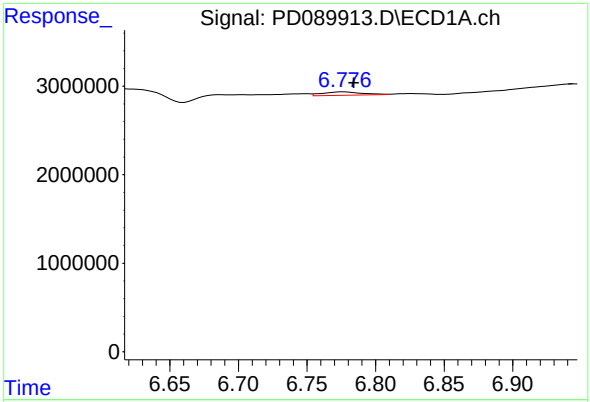
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.



#14 Endrin

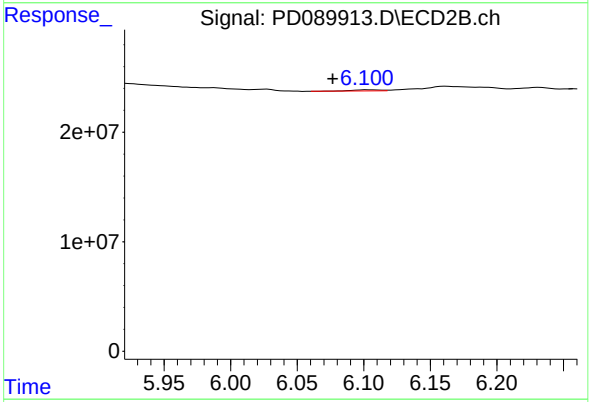
R.T.: 5.792 min
Delta R.T.: 0.007 min
Response: 39222945
Conc: 1.97 ng/ml



#15 Endosulfan II

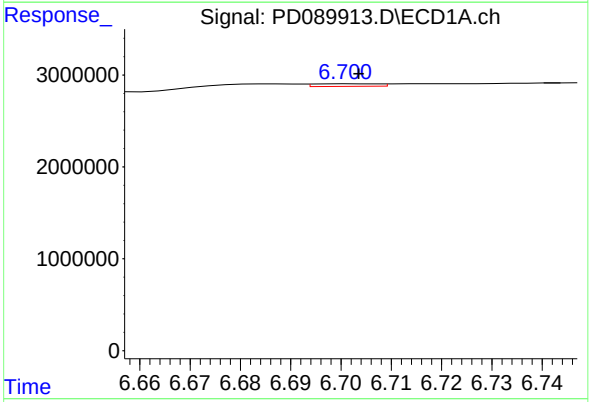
R.T.: 6.777 min
Delta R.T.: -0.007 min
Response: 780140
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



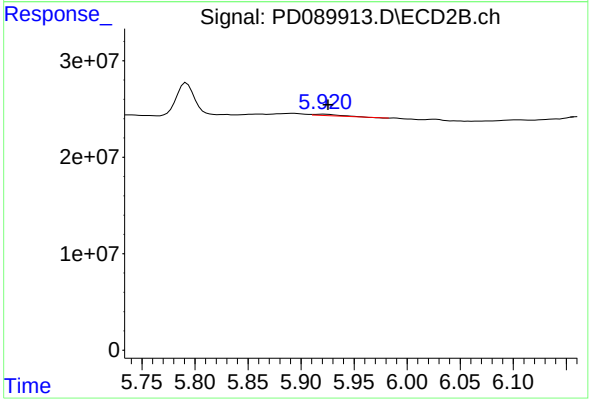
#15 Endosulfan II

R.T.: 6.102 min
Delta R.T.: 0.026 min
Response: 1444868
Conc: 0.08 ng/ml



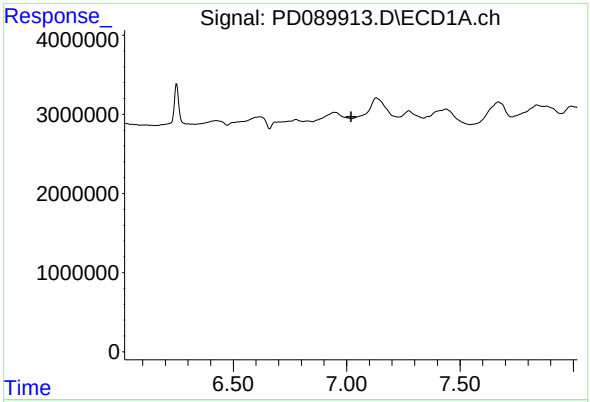
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.001 min
Response: 246646
Conc: 0.08 ng/ml



#16 4,4'-DDD

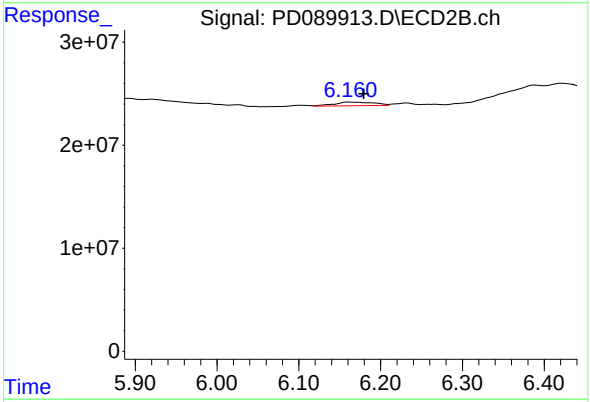
R.T.: 5.921 min
Delta R.T.: -0.004 min
Response: 1903426
Conc: 0.11 ng/ml



#17 4,4'-DDT

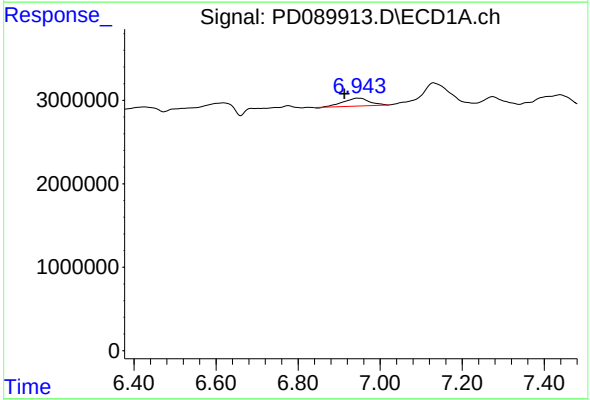
R.T.: 0.000 min
Exp R.T. : 7.019 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



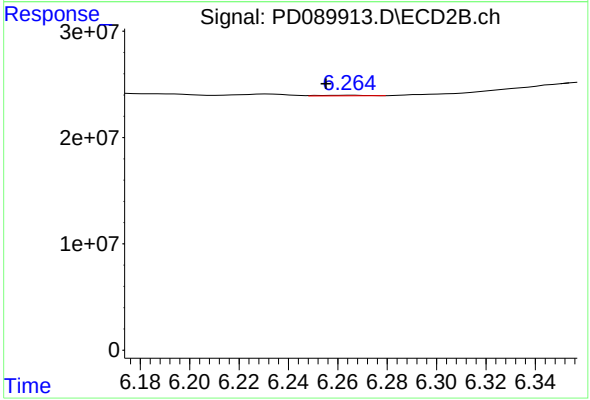
#17 4,4'-DDT

R.T.: 6.161 min
Delta R.T.: -0.018 min
Response: 12007490
Conc: 0.65 ng/ml



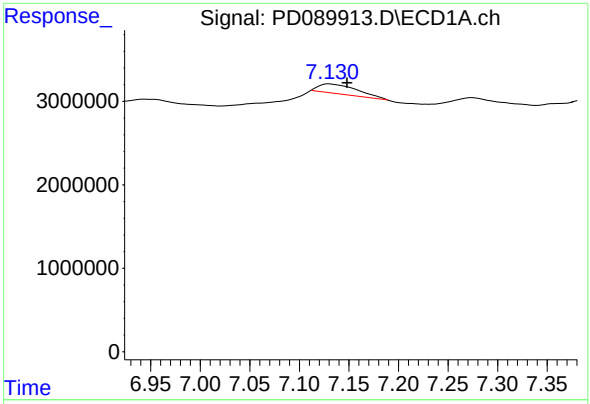
#18 Endrin aldehyde

R.T.: 6.945 min
Delta R.T.: 0.032 min
Response: 4171558
Conc: 1.67 ng/ml



#18 Endrin aldehyde

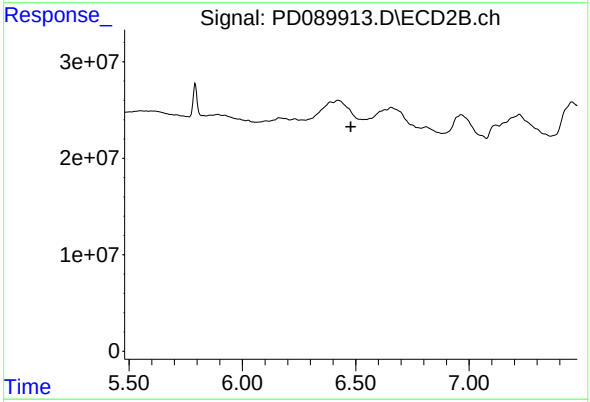
R.T.: 6.266 min
Delta R.T.: 0.011 min
Response: 713201
Conc: 0.06 ng/ml



#19 Endosulfan Sulfate

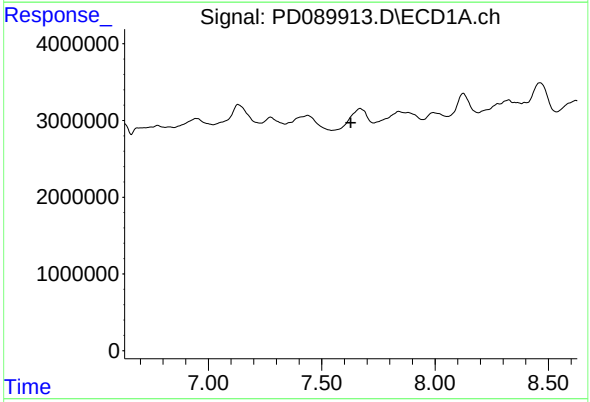
R.T.: 7.130 min
Delta R.T.: -0.018 min
Response: 2963230
Conc: 0.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



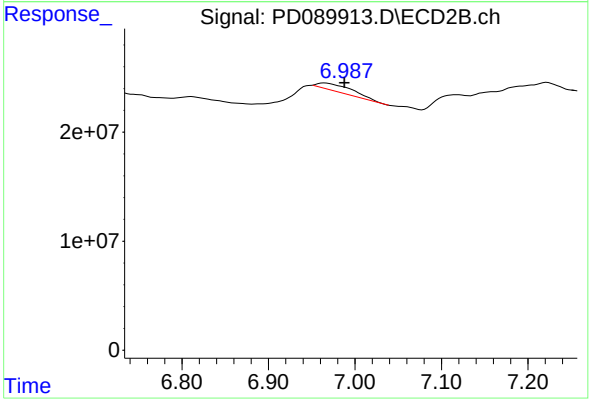
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 6.478 min
Response: 0
Conc: N.D.



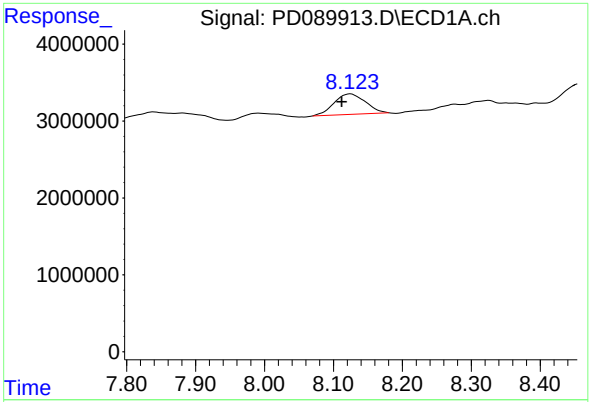
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 7.629 min
Response: 0
Conc: N.D.



#21 Endrin ketone

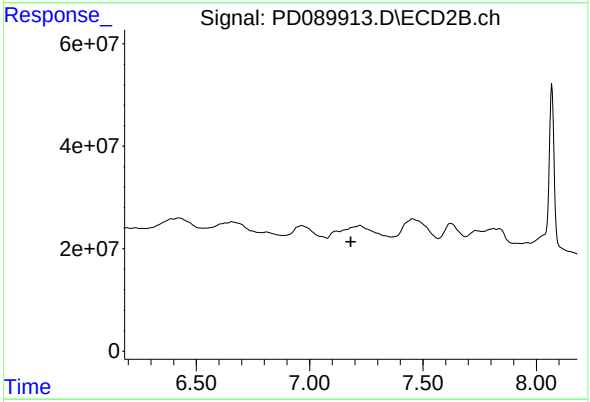
R.T.: 6.965 min
Delta R.T.: -0.023 min
Response: 16705307
Conc: 0.83 ng/ml



#22 Mirex

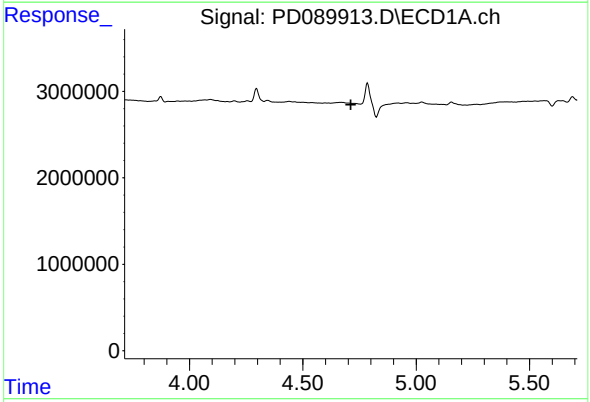
R.T.: 8.125 min
Delta R.T.: 0.013 min
Response: 8476856
Conc: 3.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



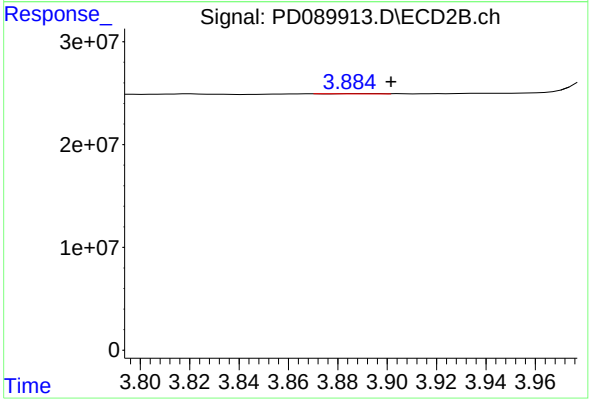
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 7.181 min
Response: 0
Conc: N.D.



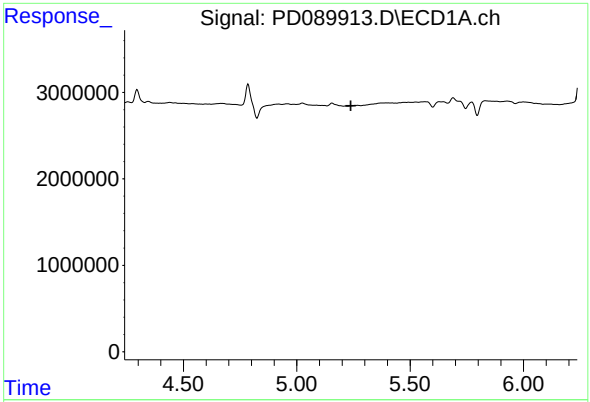
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.



#23 Chlordane-1

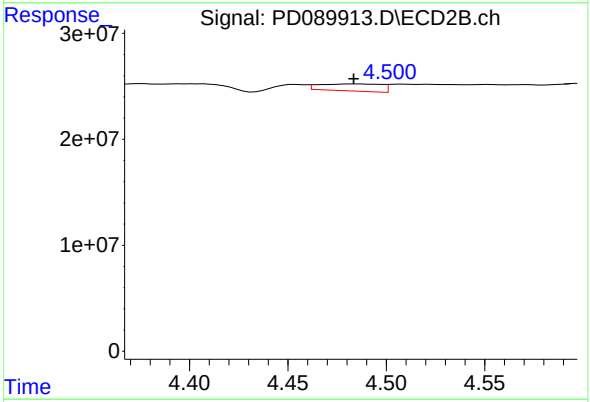
R.T.: 3.888 min
Delta R.T.: -0.014 min
Response: 146410
Conc: 0.20 ng/ml



#24 Chlordane-2

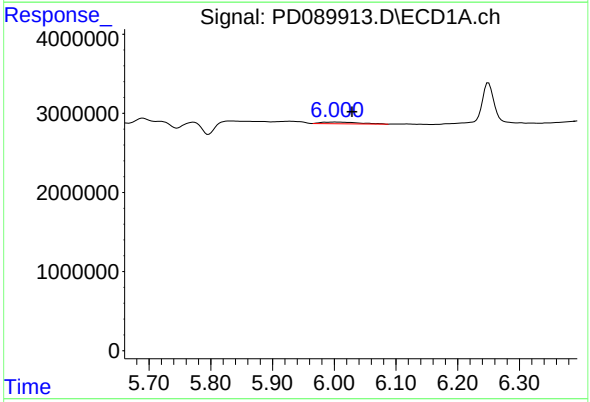
R.T.: 0.000 min
Exp R.T. : 5.238 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



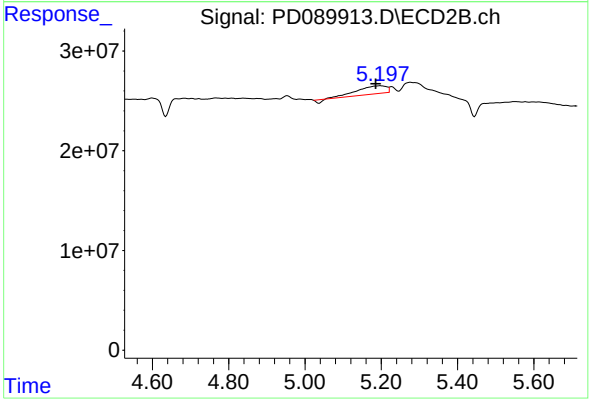
#24 Chlordane-2

R.T.: 4.485 min
Delta R.T.: 0.001 min
Response: 14451861
Conc: 18.91 ng/ml



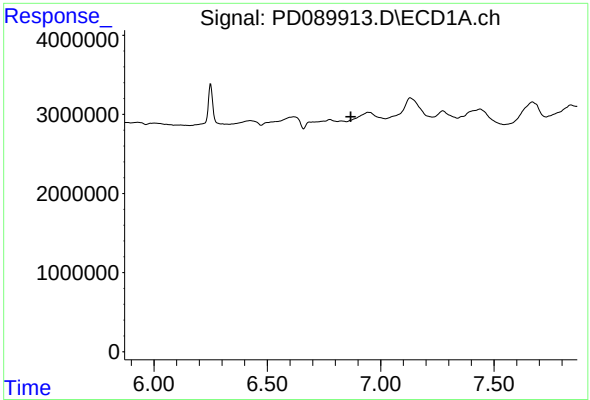
#26 Chlordane-4

R.T.: 6.002 min
Delta R.T.: -0.027 min
Response: 891657
Conc: 1.07 ng/ml



#26 Chlordane-4

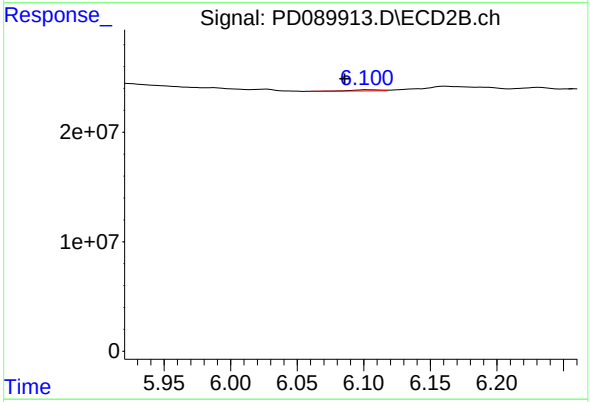
R.T.: 5.198 min
Delta R.T.: 0.012 min
Response: 41594780
Conc: 20.91 ng/ml



#27 Chlordane-5

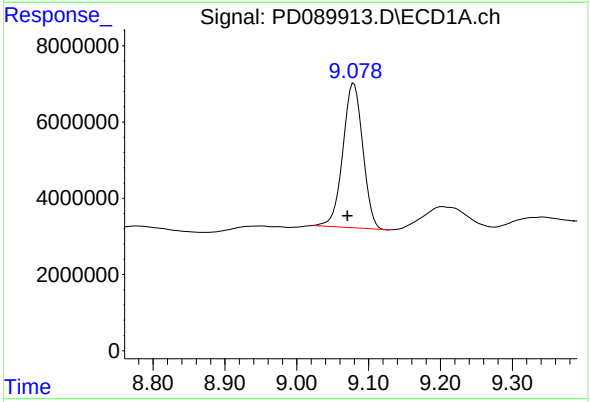
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



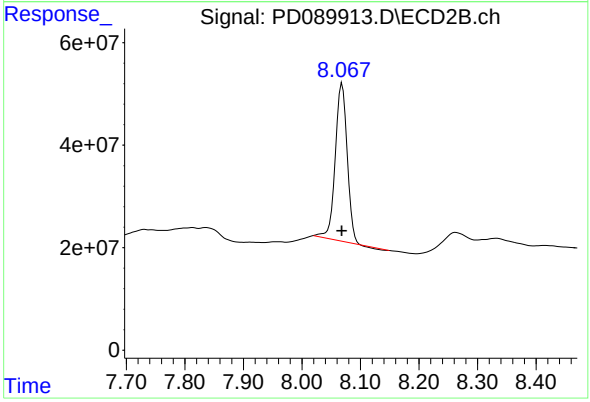
#27 Chlordane-5

R.T.: 6.102 min
Delta R.T.: 0.016 min
Response: 1444868
Conc: 1.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.009 min
Response: 73001070
Conc: 19.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 429146874
Conc: 21.37 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:53
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 18 01:50:29 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...	3.549	2.879	111.2E6	860.9E6	45.097	54.354	
28)	SA Decachlor...	9.069	8.067	154.2E6	971.2E6	41.490	48.373	
	Target Compounds							
2)	A alpha-BHC	3.998	3.390	229.2E6	1344.2E6	46.276	55.304	
3)	MA gamma-BHC...	4.329	3.727	219.4E6	1237.6E6	46.176	54.947	
4)	MA Heptachlor	4.927	4.080	209.4E6	1216.5E6	43.522	52.416	
5)	MB Aldrin	5.269	4.365	205.8E6	1218.6E6	45.082	54.766	
6)	B beta-BHC	4.515	4.023	84564517	524.7E6	45.842	54.380	
7)	B delta-BHC	4.763	4.259	208.7E6	1248.0E6	45.497	54.940	
8)	B Heptachlo...	5.689	4.869	184.7E6	1104.1E6	44.170	53.726	
9)	A Endosulfan I	6.072	5.243	172.4E6	988.2E6	43.491	50.551	
10)	B gamma-Chl...	5.944	5.122	183.5E6	1184.5E6	43.910	54.703	
11)	B alpha-Chl...	6.024	5.186	183.8E6	1130.7E6	43.721	54.301	
12)	B 4,4'-DDE	6.194	5.371	160.1E6	1142.9E6	42.914	54.073	#
13)	MA Dieldrin	6.345	5.509	182.8E6	1172.5E6	43.281	54.185	#
14)	MA Endrin	6.572	5.786	150.9E6	1141.9E6	42.178	57.311	#
15)	B Endosulfa...	6.784	6.077	156.6E6	995.8E6	42.688	52.968	
16)	A 4,4'-DDD	6.703	5.925	134.6E6	948.5E6	44.953	53.793	
17)	MA 4,4'-DDT	7.019	6.179	136.9E6	965.9E6	40.727	52.571	#
18)	B Endrin al...	6.913	6.255	110.5E6	706.7E6	44.281	54.699	
19)	B Endosulfa...	7.148	6.479	143.4E6	953.3E6	41.313	51.347	
20)	A Methoxychlor	7.491	6.750	74289117	518.6E6	41.549	52.947	#
21)	B Endrin ke...	7.628	6.987	154.3E6	1026.7E6	41.546	51.161	
22)	Mirex	8.111	7.181	113.9E6	785.7E6	40.854	51.617	#
23)	Chlordane-1	0.000	3.897	0	724788	N.D.	0.991	#
24)	Chlordane-2	0.000	4.503	0	63249411	N.D.	82.748	#
25)	Chlordane-3	5.944	5.122	183.5E6	1184.5E6	267.564	511.821	#
26)	Chlordane-4	6.024	5.186	183.8E6	1130.7E6	219.576	568.299	#
27)	Chlordane-5	0.000	6.077	0	995.8E6	N.D.	1100.648	#

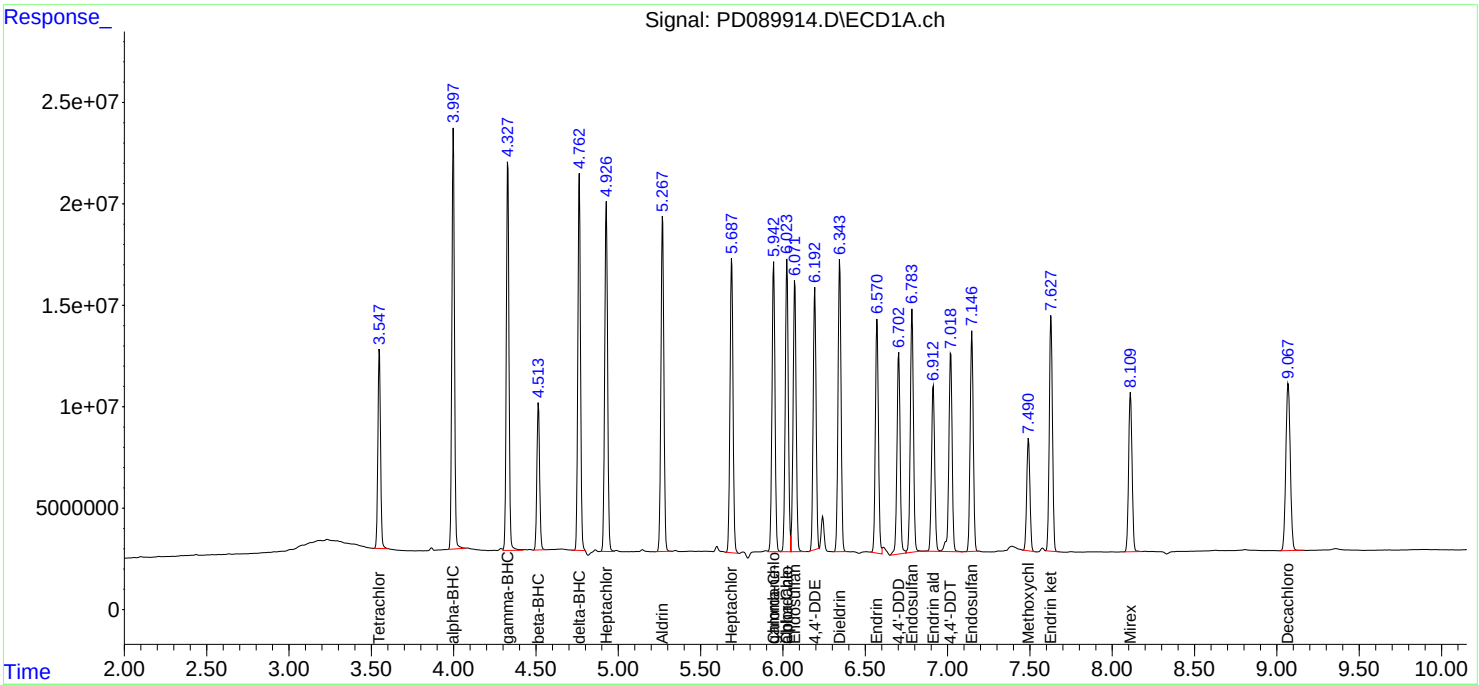
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

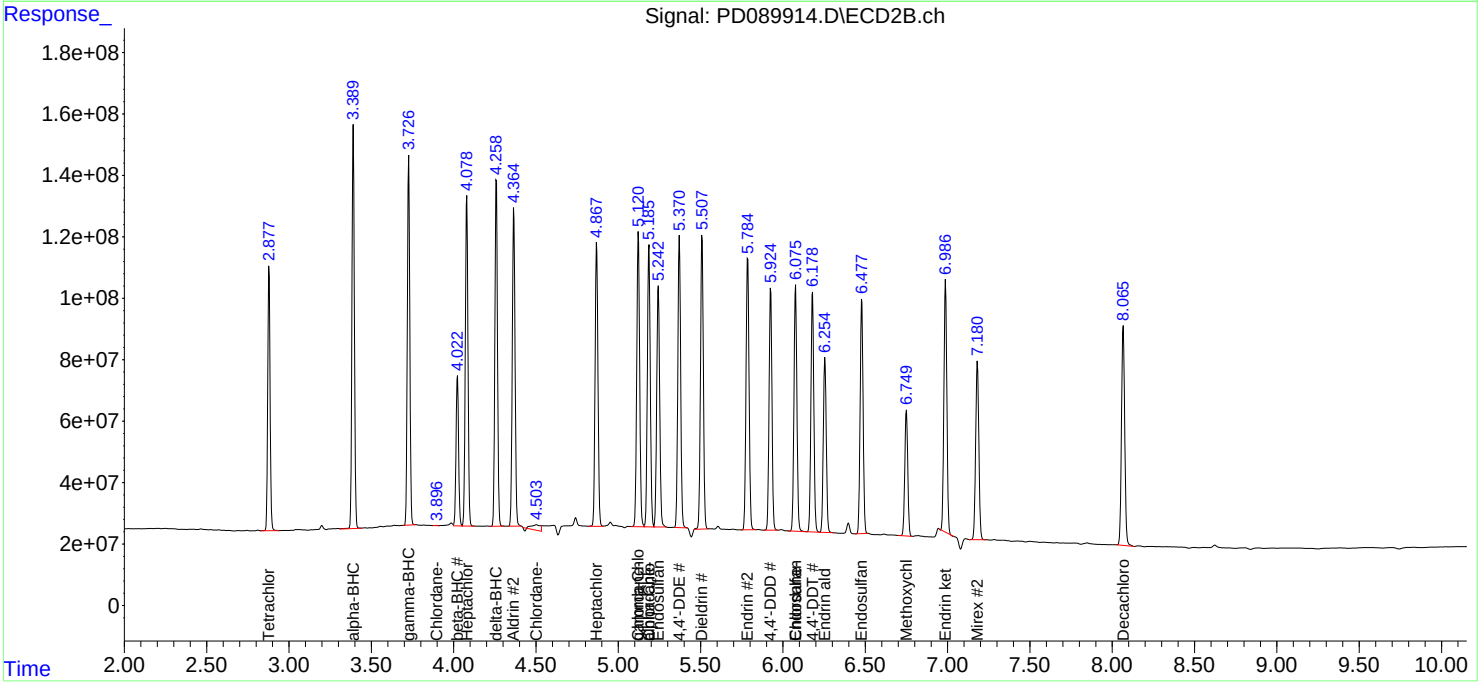
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

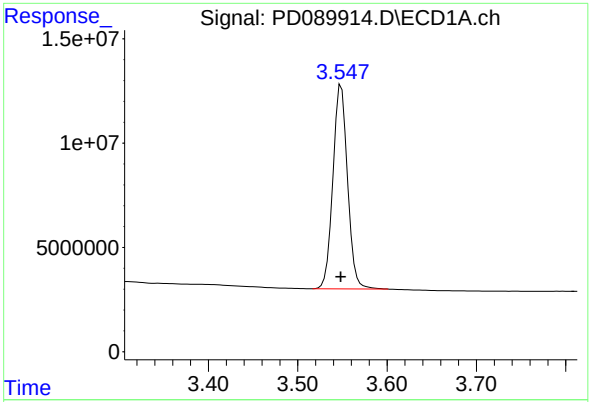
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:29 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



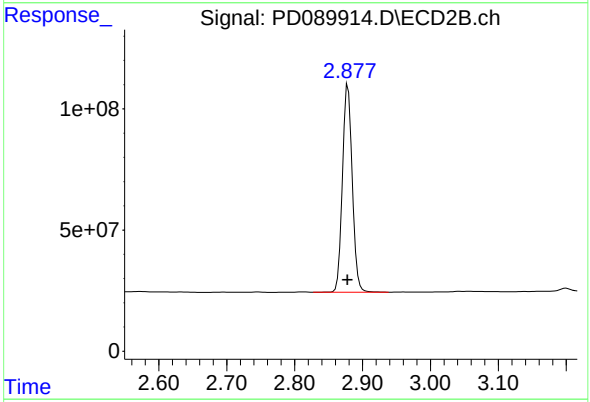




#1 Tetrachloro-m-xylene

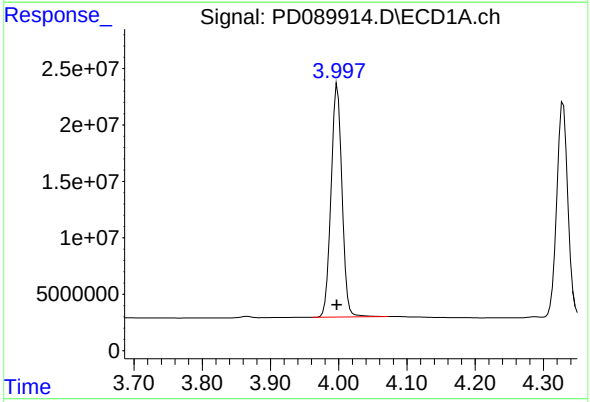
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 111235214
Conc: 45.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



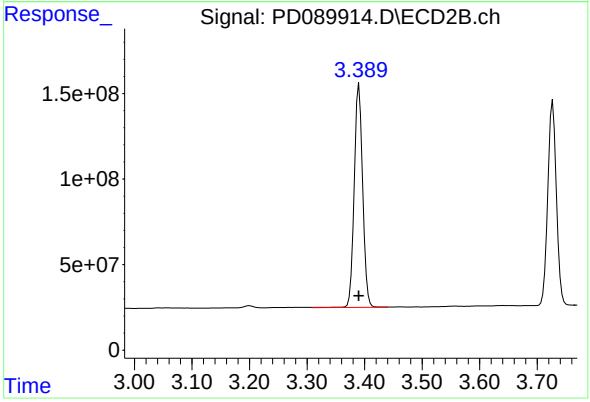
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.001 min
Response: 860850100
Conc: 54.35 ng/ml



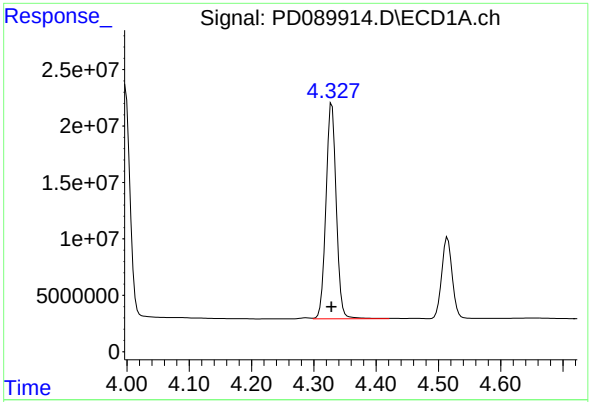
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 229229213
Conc: 46.28 ng/ml



#2 alpha-BHC

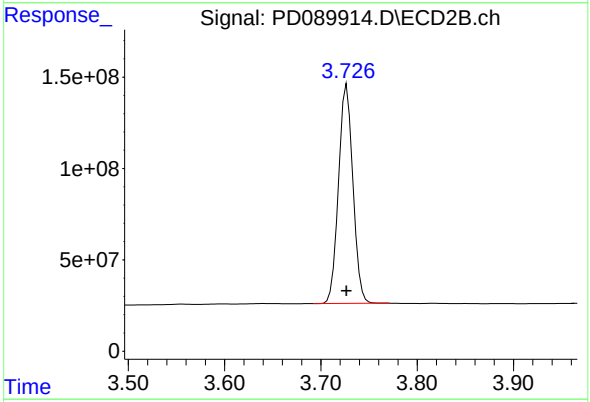
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1344167252
Conc: 55.30 ng/ml



#3 gamma-BHC (Lindane)

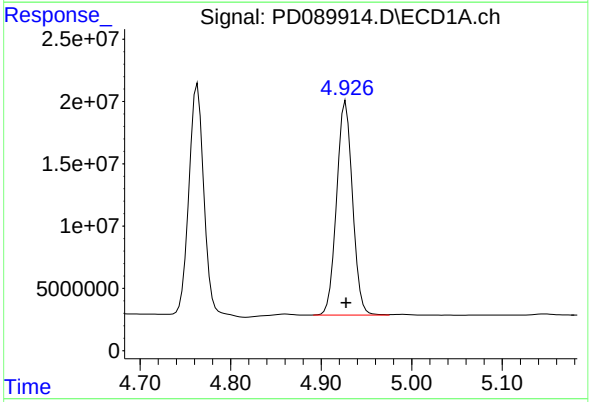
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 219444135
Conc: 46.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



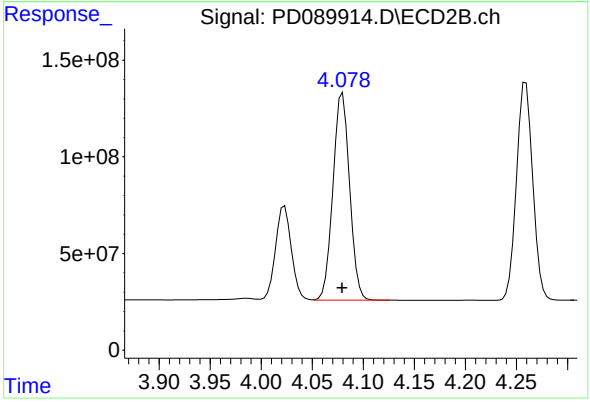
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1237628900
Conc: 54.95 ng/ml



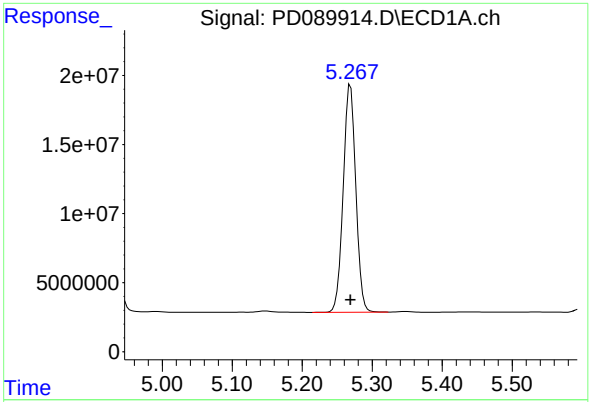
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 209404804
Conc: 43.52 ng/ml



#4 Heptachlor

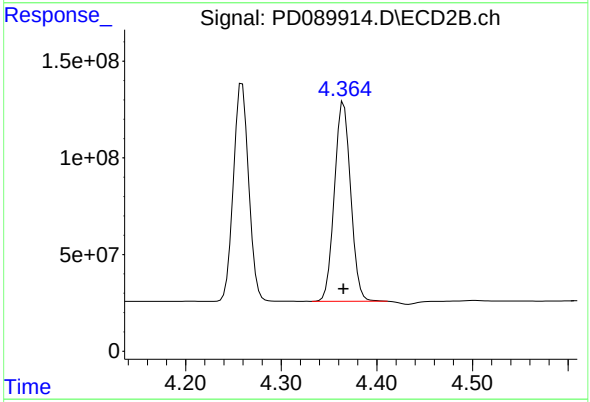
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1216530793
Conc: 52.42 ng/ml



#5 Aldrin

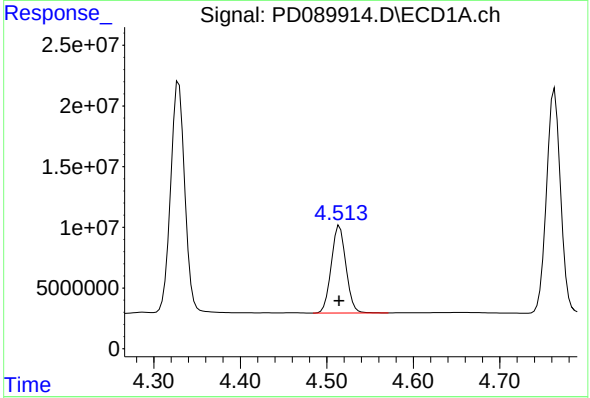
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 205794565
Conc: 45.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



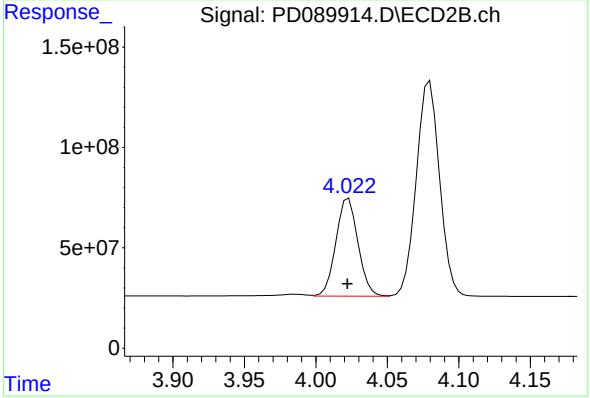
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1218586396
Conc: 54.77 ng/ml



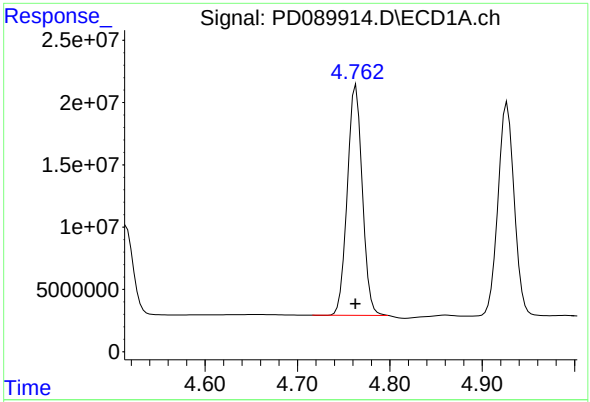
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 84564517
Conc: 45.84 ng/ml



#6 beta-BHC

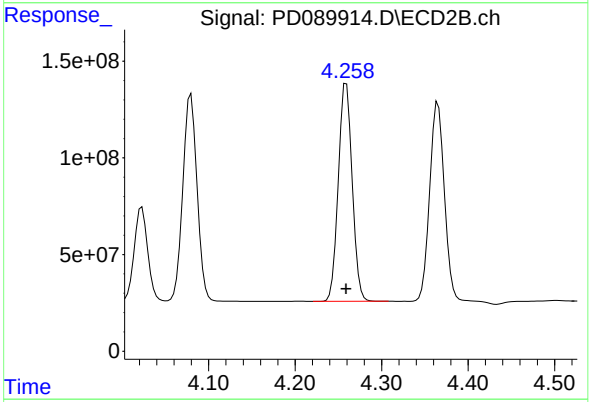
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 524709954
Conc: 54.38 ng/ml



#7 delta-BHC

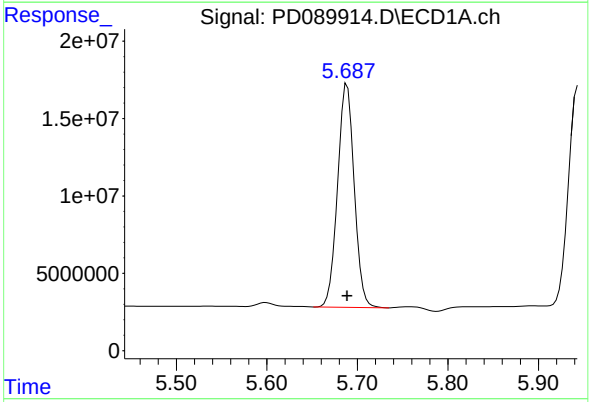
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 208660284
Conc: 45.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



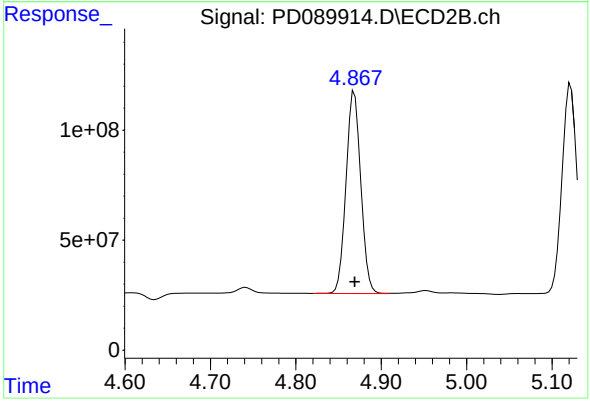
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1247976524
Conc: 54.94 ng/ml



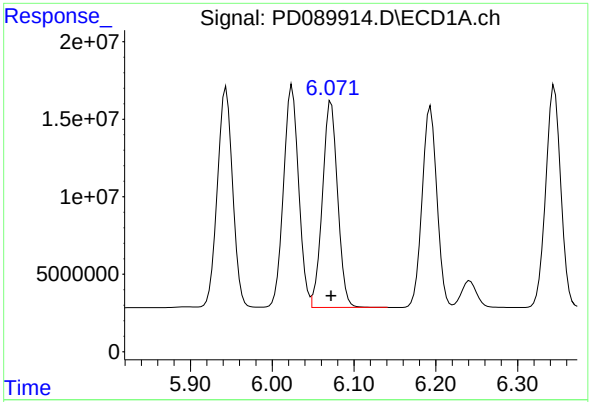
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 184661821
Conc: 44.17 ng/ml



#8 Heptachlor epoxide

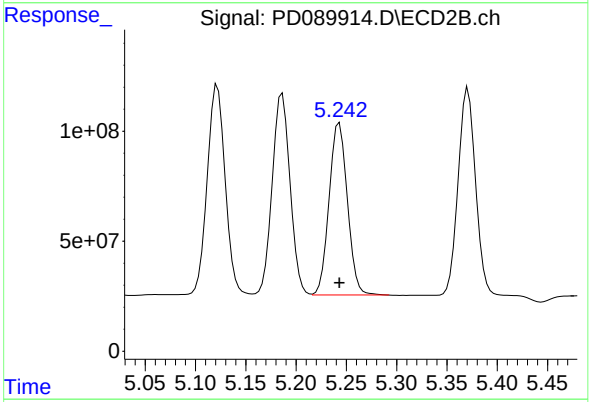
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1104057808
Conc: 53.73 ng/ml



#9 Endosulfan I

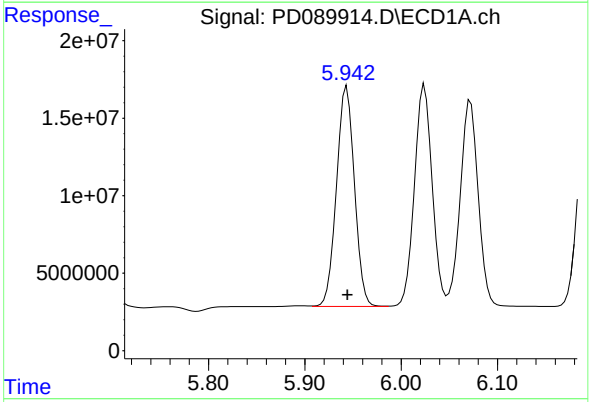
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 172380331
Conc: 43.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



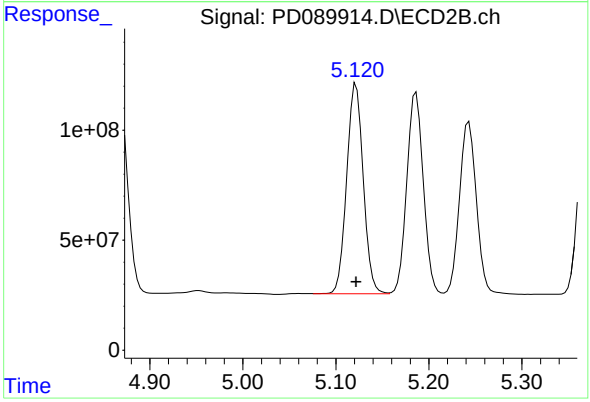
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 988179343
Conc: 50.55 ng/ml



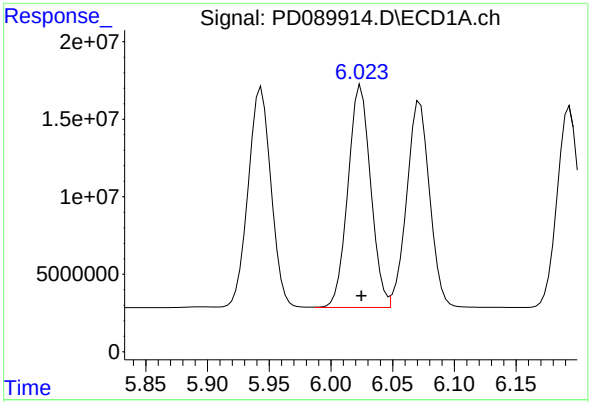
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 183502123
Conc: 43.91 ng/ml



#10 gamma-Chlordane

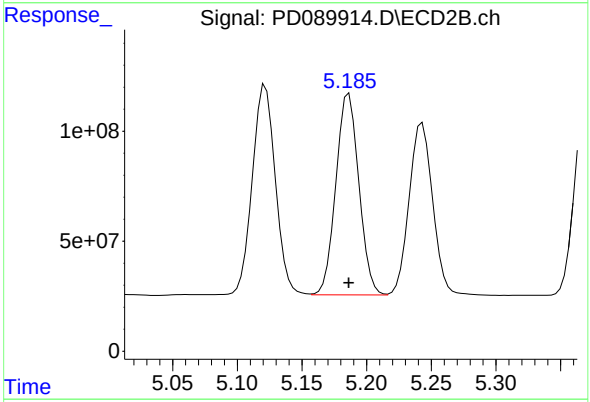
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1184500343
Conc: 54.70 ng/ml



#11 alpha-Chlordane

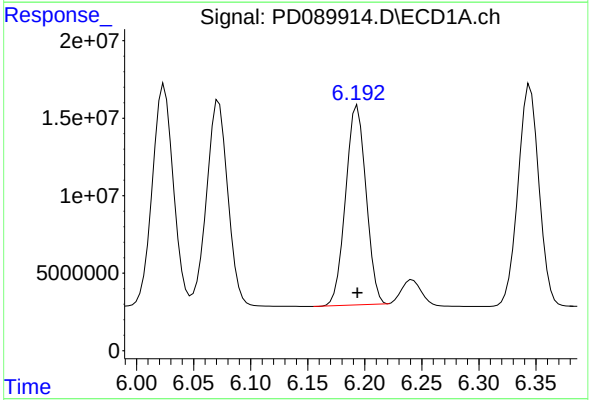
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 183811028
Conc: 43.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



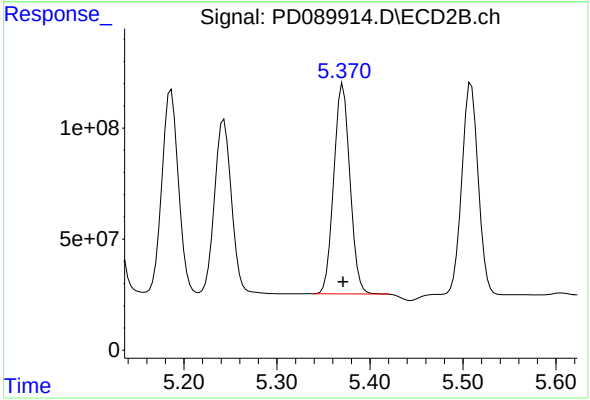
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1130650059
Conc: 54.30 ng/ml



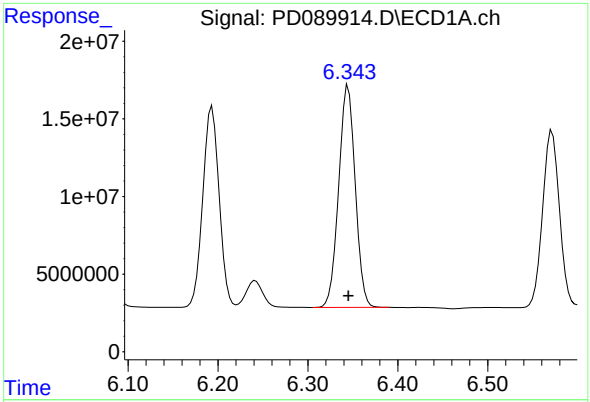
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 160058918
Conc: 42.91 ng/ml



#12 4,4'-DDE

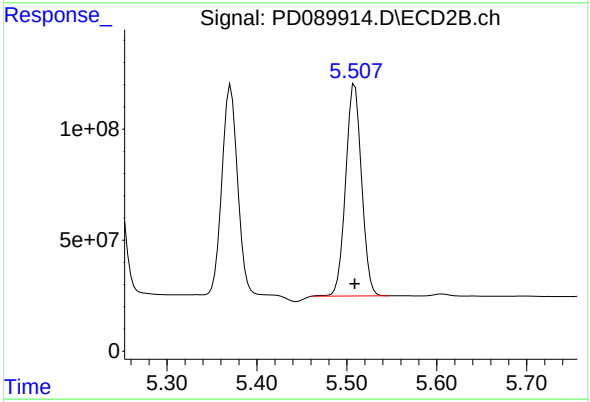
R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1142937257
Conc: 54.07 ng/ml



#13 Dieldrin

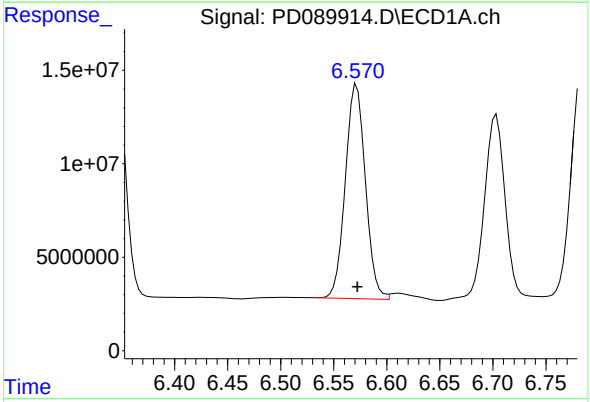
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 182795259
Conc: 43.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



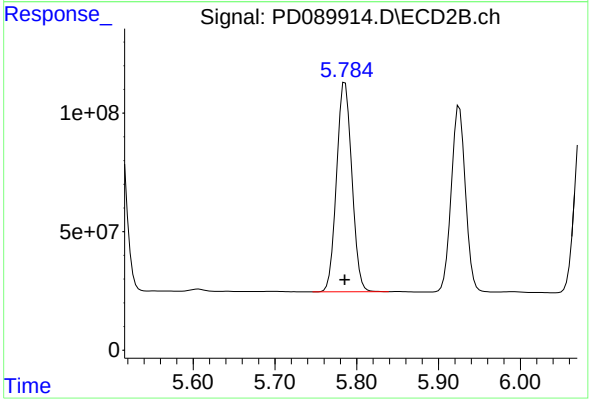
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1172498797
Conc: 54.18 ng/ml



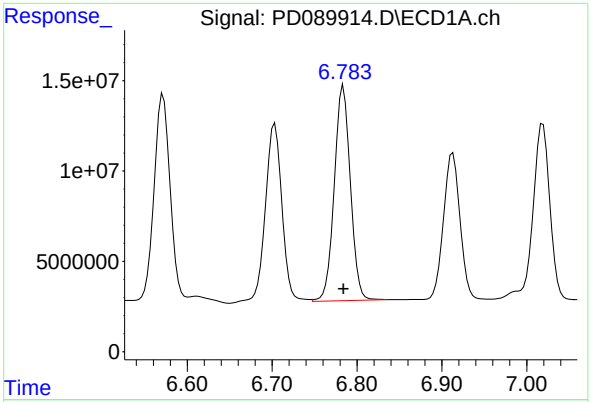
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 150900284
Conc: 42.18 ng/ml



#14 Endrin

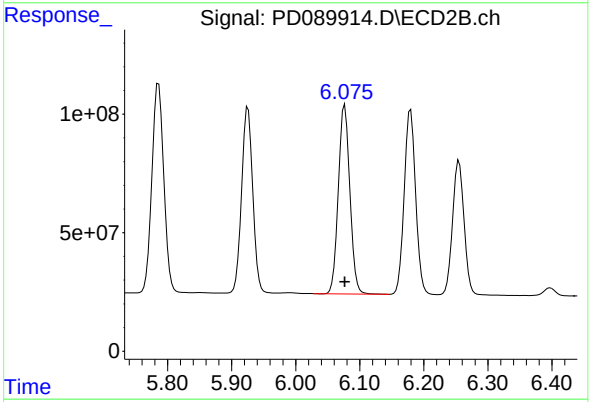
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 1141938566
Conc: 57.31 ng/ml



#15 Endosulfan II

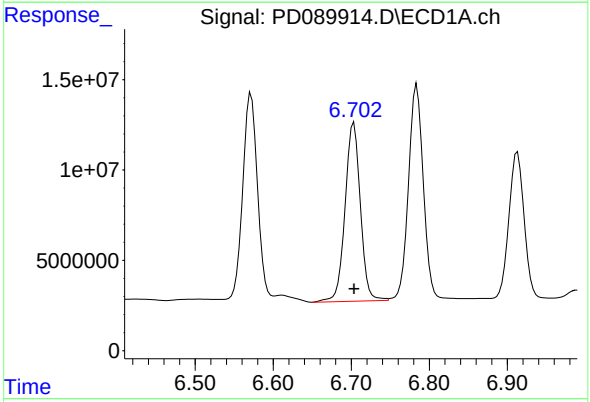
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 156640458
Conc: 42.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



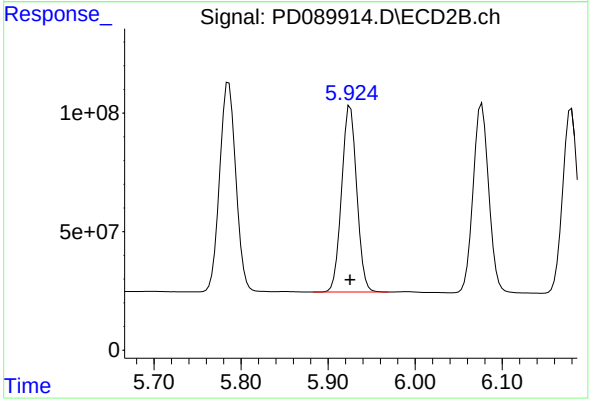
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 995772780
Conc: 52.97 ng/ml



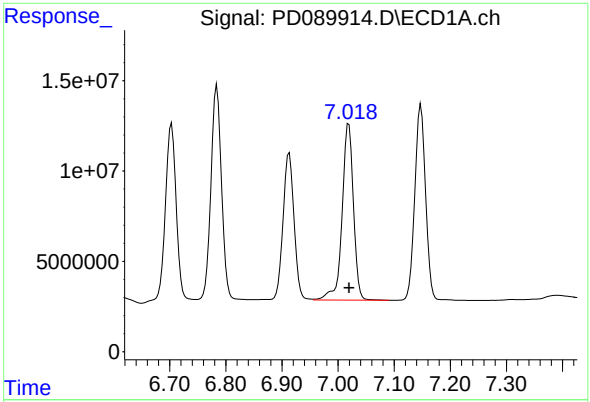
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 134625069
Conc: 44.95 ng/ml



#16 4,4'-DDD

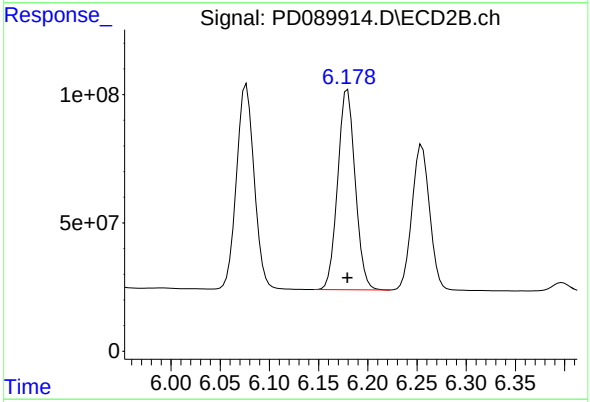
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 948513832
Conc: 53.79 ng/ml



#17 4,4'-DDT

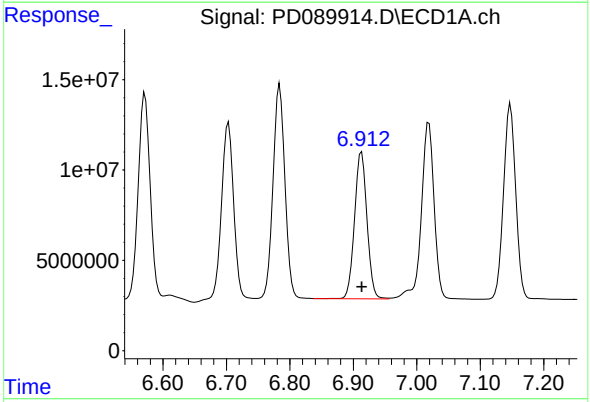
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 136851922
Conc: 40.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



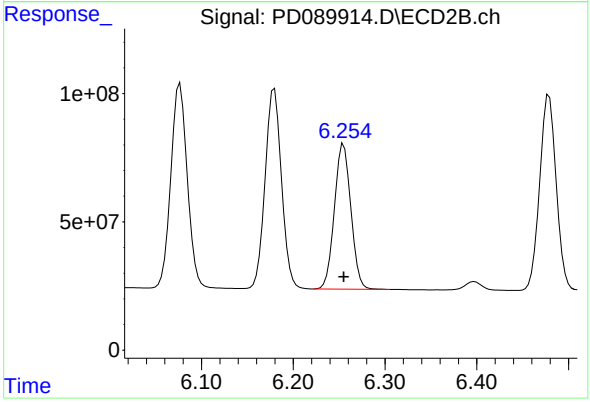
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 965866178
Conc: 52.57 ng/ml



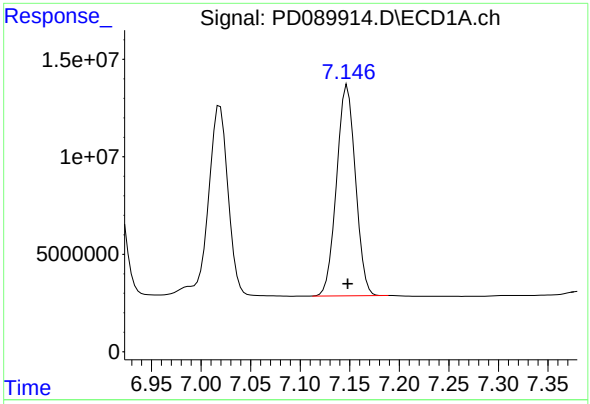
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 110506439
Conc: 44.28 ng/ml



#18 Endrin aldehyde

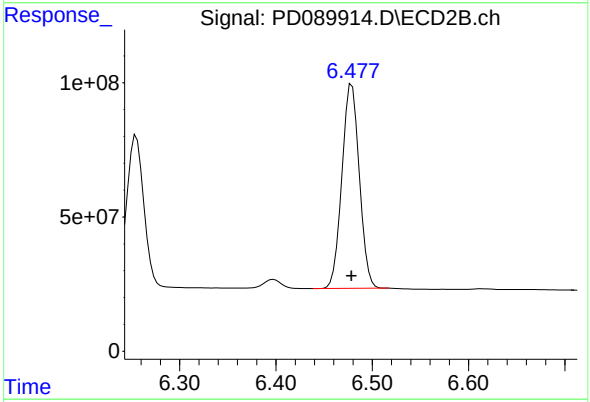
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 706738981
Conc: 54.70 ng/ml



#19 Endosulfan Sulfate

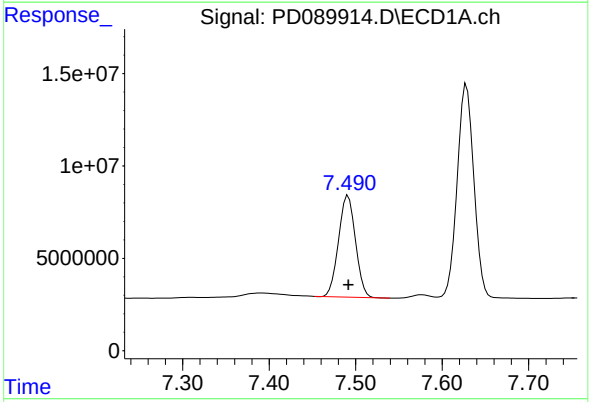
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 143360020
Conc: 41.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



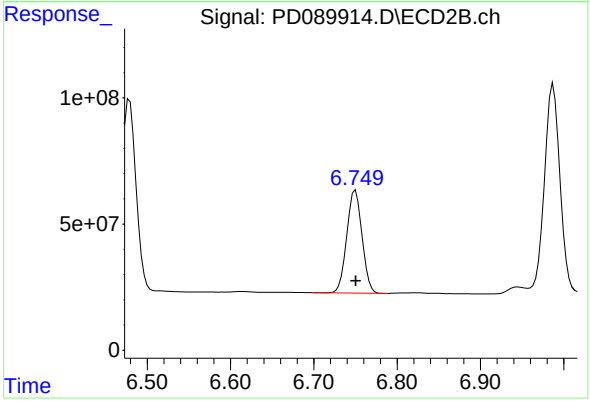
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 953289285
Conc: 51.35 ng/ml



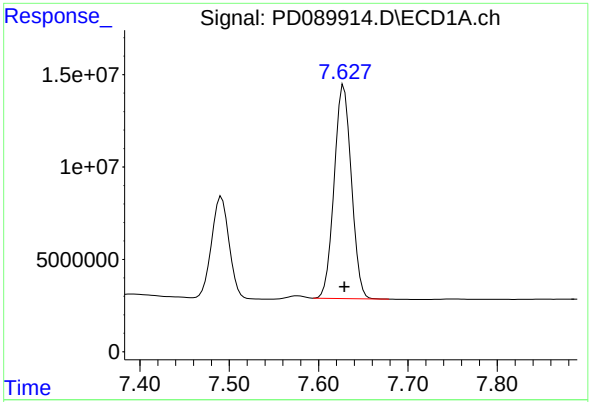
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 74289117
Conc: 41.55 ng/ml



#20 Methoxychlor

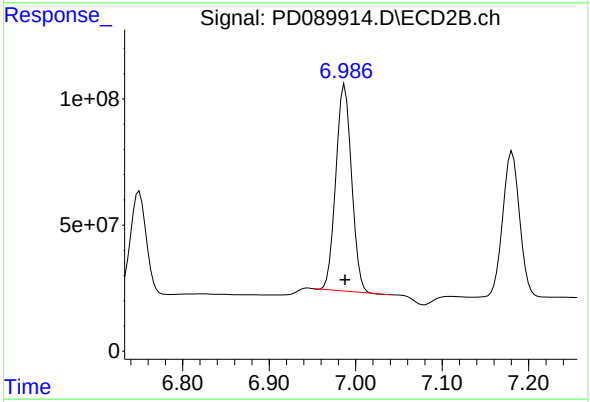
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 518643411
Conc: 52.95 ng/ml



#21 Endrin ketone

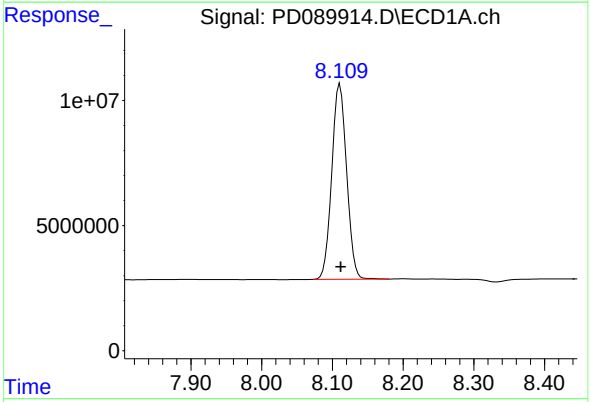
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 154307104
Conc: 41.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



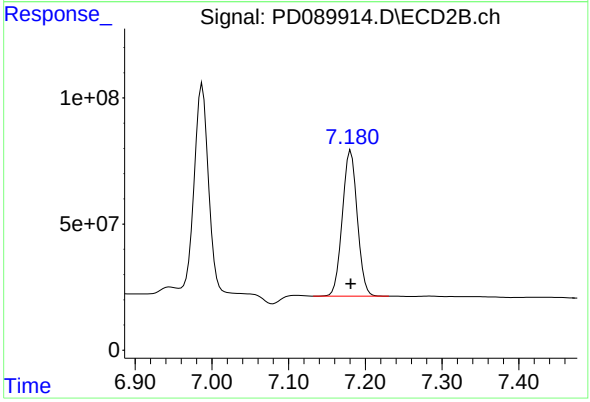
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1026711439
Conc: 51.16 ng/ml



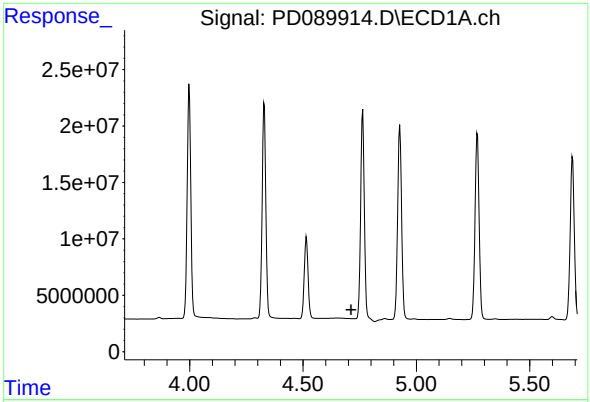
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.001 min
Response: 113913718
Conc: 40.85 ng/ml



#22 Mirex

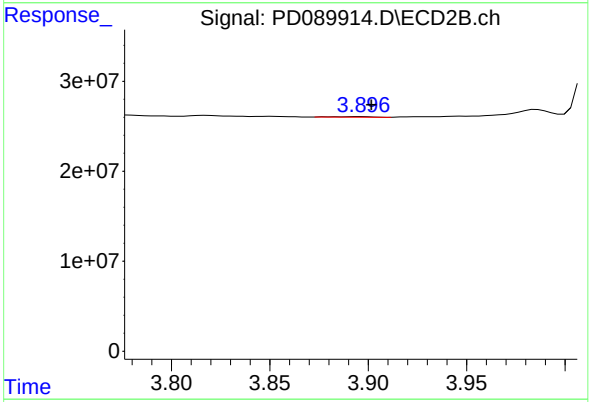
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 785672961
Conc: 51.62 ng/ml



#23 Chlordane-1

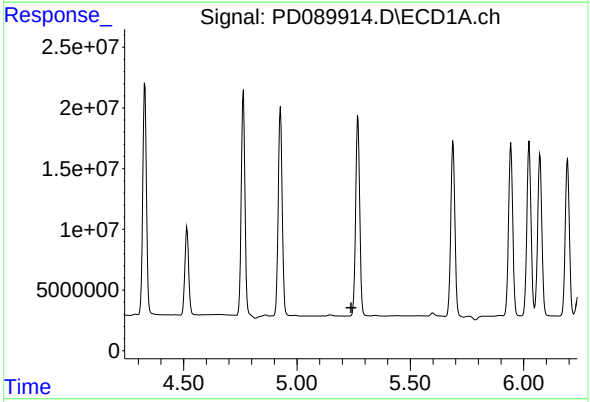
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



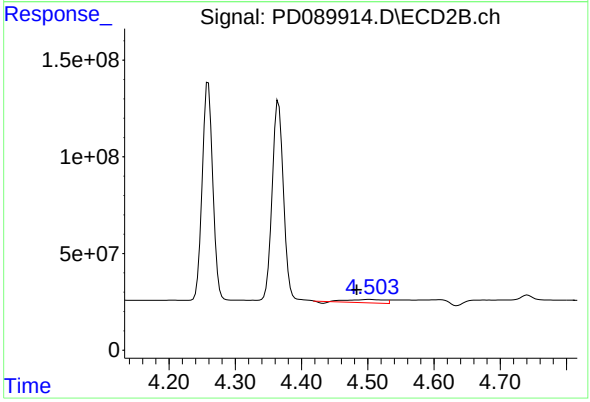
#23 Chlordane-1

R.T.: 3.897 min
Delta R.T.: -0.005 min
Response: 724788
Conc: 0.99 ng/ml



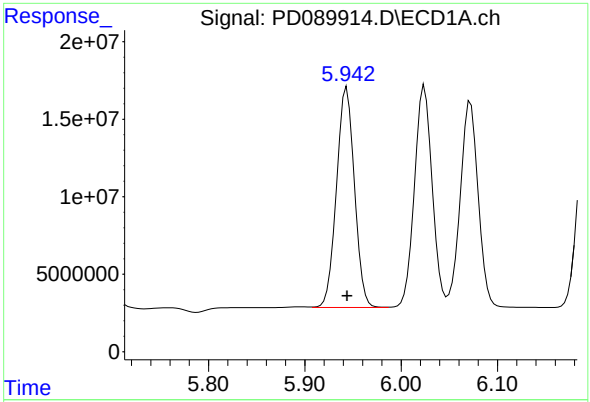
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.238 min
Response: 0
Conc: N.D.



#24 Chlordane-2

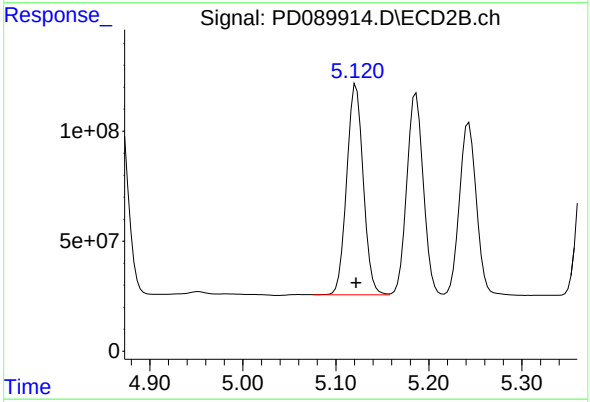
R.T.: 4.503 min
Delta R.T.: 0.020 min
Response: 63249411
Conc: 82.75 ng/ml



#25 Chlordane-3

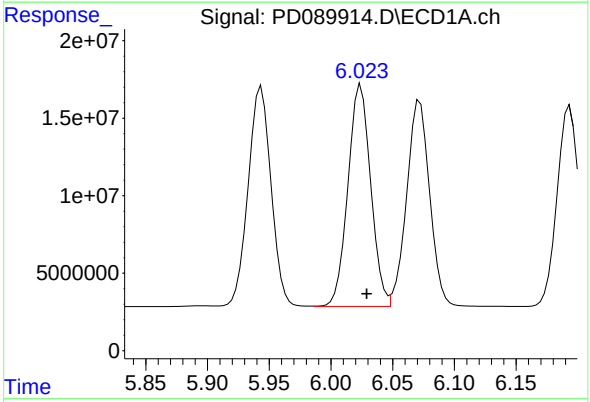
R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 183502123
Conc: 267.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



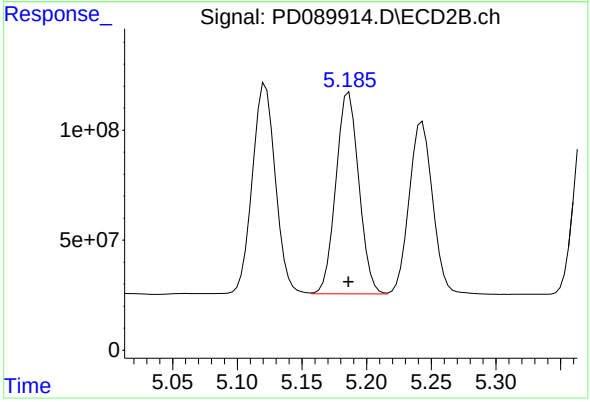
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1184500343
Conc: 511.82 ng/ml



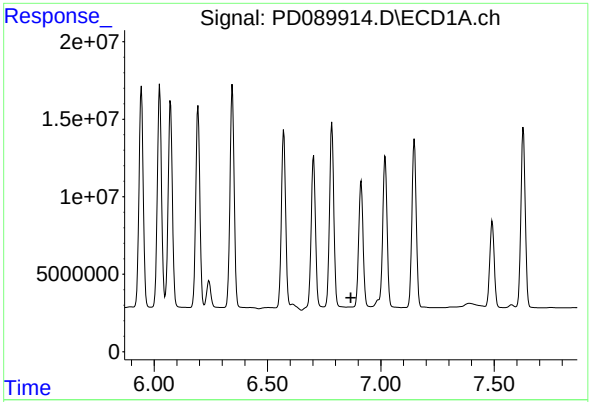
#26 Chlordane-4

R.T.: 6.024 min
Delta R.T.: -0.005 min
Response: 183811028
Conc: 219.58 ng/ml



#26 Chlordane-4

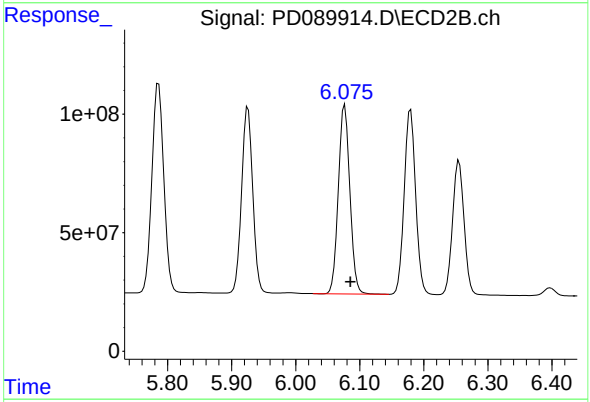
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1130650059
Conc: 568.30 ng/ml



#27 Chlordane-5

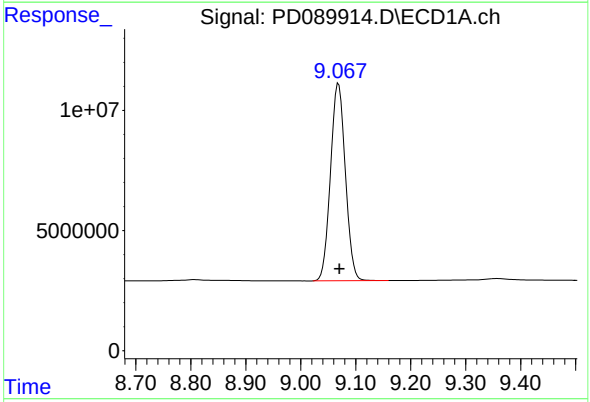
R.T.: 0.000 min
Exp R.T. : 6.868 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



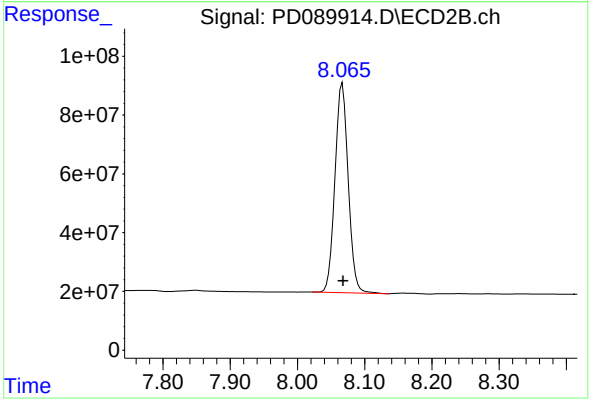
#27 Chlordane-5

R.T.: 6.077 min
Delta R.T.: -0.009 min
Response: 995772780
Conc: 1100.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 154189148
Conc: 41.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.001 min
Response: 971225521
Conc: 48.37 ng/ml