284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2555

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

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Cover Page

Order ID : Q2555

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2555-01	OU4-TS-29-070925
Q2555-02	OU4-TS-29-070925
Q2555-03	OU4-TS-30-070925
Q2555-04	OU4-TS-30-070925

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:20 am, Jul 25, 2025

Date: 7/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2555
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 07/10/2025.

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
OU4-TS-29-070925 [Decachlorobiphenyl(1)37%, Decachlorobiphenyl(2)41%],
OU4-TS-29-070925RE [Decachlorobiphenyl(1)40%, Decachlorobiphenyl(2)40%],
OU4-TS-30-070925 [Decachlorobiphenyl(1)34%, Decachlorobiphenyl(2)38%],
OU4-TS-30-070925RE [Decachlorobiphenyl(1)36% and Decachlorobiphenyl(2)35%]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 met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

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E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/kg.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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

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

Signature ***APPROVED***
By Nimisha Pandya, QA/QC Supervisor at 9:20 am, Jul 25, 2025

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2555 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 OU4-TS-29-070925 [Decachlorobiphenyl(1)37%, Decachlorobiphenyl(2)41%], OU4-TS-29-070925RE [Decachlorobiphenyl(1)40%, Decachlorobiphenyl(2)40%], OU4-TS-30-070925 [Decachlorobiphenyl(1)34%, Decachlorobiphenyl(2)38%], OU4-TS-30-070925RE [Decachlorobiphenyl(1)36% and Decachlorobiphenyl(2)35%]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 met the requirements for all compounds. The MSD recoveries met the requirements for all compounds. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:19 am, Jul 25, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2555

	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:** 07/24/2025

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LAB CHRONICLE

OrderID:	Q2555	**OrderDate:**	7/10/2025 10:17:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	**OU4-TS-29-070925**	**SOIL**			**07/09/25**			**07/10/25**
			Herbicide Group1	8151A		07/11/25	07/22/25	
			PCB	8082A		07/11/25	07/11/25	
			Pesticide-TCL	8081B		07/11/25	07/14/25	
Q2555-01RE	**OU4-TS-29-070925RE**	**SOIL**			**07/09/25**			**07/10/25**
			Pesticide-TCL	8081B		07/11/25	07/23/25	
Q2555-03	**OU4-TS-30-070925**	**SOIL**			**07/09/25**			**07/10/25**
			Herbicide Group1	8151A		07/11/25	07/19/25	
			PCB	8082A		07/11/25	07/14/25	
			Pesticide-TCL	8081B		07/11/25	07/14/25	
Q2555-03RE	**OU4-TS-30-070925RE**	**SOIL**			**07/09/25**			**07/10/25**
			Herbicide Group1	8151A		07/11/25	07/22/25	
			Pesticide-TCL	8081B		07/11/25	07/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2555 **Order ID:** Q2555

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-29-070925									
Q2555-01	OU4-TS-29-070925	SOIL	4,4-DDE	0.0010	JP	0.00019	0.00044	0.0023	mg/Kg
Q2555-01	OU4-TS-29-070925	SOIL	4,4-DDT	0.00060	JP	0.00019	0.00044	0.0023	mg/Kg
Q2555-01	OU4-TS-29-070925	SOIL	alpha-Chlordane	0.0021	J	0.00016	0.00044	0.0023	mg/Kg
			Total Concentration:			**0.00370**			
Client ID : OU4-TS-29-070925RE									
Q2555-01RE	OU4-TS-29-070925RI	SOIL	4,4-DDE	0.00062	J	0.00019	0.00044	0.0023	mg/Kg
Q2555-01RE	OU4-TS-29-070925RI	SOIL	4,4-DDT	0.00053	JP	0.00019	0.00044	0.0023	mg/Kg
Q2555-01RE	OU4-TS-29-070925RI	SOIL	alpha-Chlordane	0.0021	J	0.00016	0.00044	0.0023	mg/Kg
			Total Concentration:			**0.00325**			
Client ID : OU4-TS-30-070925									
Q2555-03	OU4-TS-30-070925	SOIL	4,4-DDE	0.00077	J	0.00018	0.00043	0.0022	mg/Kg
Q2555-03	OU4-TS-30-070925	SOIL	4,4-DDT	0.00056	JP	0.00018	0.00043	0.0022	mg/Kg
Q2555-03	OU4-TS-30-070925	SOIL	alpha-Chlordane	0.0027		0.00016	0.00043	0.0022	mg/Kg
Q2555-03	OU4-TS-30-070925	SOIL	gamma-Chlordane	0.0016	J	0.00020	0.00043	0.0022	mg/Kg
			Total Concentration:			**0.00563**			
Client ID : OU4-TS-30-070925RE									
Q2555-03RE	OU4-TS-30-070925RI	SOIL	4,4-DDE	0.00063	J	0.00018	0.00043	0.0022	mg/Kg
Q2555-03RE	OU4-TS-30-070925RI	SOIL	4,4-DDT	0.00054	JP	0.00018	0.00043	0.0022	mg/Kg
Q2555-03RE	OU4-TS-30-070925RI	SOIL	alpha-Chlordane	0.0026		0.00016	0.00043	0.0022	mg/Kg
Q2555-03RE	OU4-TS-30-070925RI	SOIL	gamma-Chlordane	0.0016	J	0.00020	0.00043	0.0022	mg/Kg
			Total Concentration:			**0.00537**			

QC SUMMARY

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Surrogate Summary

SDG No.: Q2555

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphen	1	20	18.2	91		30	135
		Tetrachloro-m-xyl	1	20	16.1	80		44	124
		Decachlorobiphen	2	20	18.6	93		30	135
		Tetrachloro-m-xyl	2	20	17.7	88		44	124
I.BLK-PD089450.D	PIBLK-PD089450.D	Decachlorobiphen	1	20	20.2	101		30	135
		Tetrachloro-m-xyl	1	20	19.5	98		44	124
		Decachlorobiphen	2	20	20.1	101		30	135
		Tetrachloro-m-xyl	2	20	23.3	117		44	124
PB168810BL	PB168810BL	Decachlorobiphen	1	20	16.9	84		55	130
		Tetrachloro-m-xyl	1	20	16.5	83		42	129
		Decachlorobiphen	2	20	17.3	86		55	130
		Tetrachloro-m-xyl	2	20	19.0	95		42	129
PB168810BS	PB168810BS	Decachlorobiphen	1	20	16.5	83		55	130
		Tetrachloro-m-xyl	1	20	15.7	79		42	129
		Decachlorobiphen	2	20	16.9	84		55	130
		Tetrachloro-m-xyl	2	20	19.6	98		42	129
Q2560-01MS	LP-7102025MS	Decachlorobiphen	1	20	17.5	88		55	130
		Tetrachloro-m-xyl	1	20	15.8	79		42	129
		Decachlorobiphen	2	20	16.4	82		55	130
		Tetrachloro-m-xyl	2	20	20.1	101		42	129
Q2560-01MSD	LP-7102025MSD	Decachlorobiphen	1	20	17.0	85		55	130
		Tetrachloro-m-xyl	1	20	15.1	76		42	129
		Decachlorobiphen	2	20	16.3	81		55	130
		Tetrachloro-m-xyl	2	20	20.4	102		42	129
I.BLK-PD089462.D	PIBLK-PD089462.D	Decachlorobiphen	1	20	17.9	89		30	135
		Tetrachloro-m-xyl	1	20	19.4	97		44	124
		Decachlorobiphen	2	20	17.6	88		30	135
		Tetrachloro-m-xyl	2	20	22.6	113		44	124
I.BLK-PD089480.D	PIBLK-PD089480.D	Decachlorobiphen	1	20	21.2	106		30	135
		Tetrachloro-m-xyl	1	20	20.6	103		44	124
		Decachlorobiphen	2	20	23.3	117		30	135
		Tetrachloro-m-xyl	2	20	23.6	118		44	124
Q2555-01	OU4-TS-29-070925	Decachlorobiphen	1	20	7.37	37	*	55	130
		Tetrachloro-m-xyl	1	20	13.5	67		42	129
		Decachlorobiphen	2	20	8.29	41	*	55	130
		Tetrachloro-m-xyl	2	20	11.9	60		42	129
Q2555-03	OU4-TS-30-070925	Decachlorobiphen	1	20	6.86	34	*	55	130
		Tetrachloro-m-xyl	1	20	8.98	45		42	129
		Decachlorobiphen	2	20	7.60	38	*	55	130
		Tetrachloro-m-xyl	2	20	10.1	50		42	129
I.BLK-PD089489.D	PIBLK-PD089489.D	Decachlorobiphen	1	20	18.5	93		30	135

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Surrogate Summary

SDG No.: Q2555

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089489.D	PIBLK-PD089489.D	Tetrachloro-m-xyl	1	20	20.1	100		44	124
		Decachlorobiphen	2	20	20.6	103		30	135
		Tetrachloro-m-xyl	2	20	23.4	117		44	124
I.BLK-PD089537.D	PIBLK-PD089537.D	Decachlorobiphen	1	20	21.2	106		30	135
		Tetrachloro-m-xyl	1	20	18.5	92		44	124
		Decachlorobiphen	2	20	20.5	103		30	135
		Tetrachloro-m-xyl	2	20	19.9	100		44	124
I.BLK-PD089600.D	PIBLK-PD089600.D	Decachlorobiphen	1	20	23.1	115		30	135
		Tetrachloro-m-xyl	1	20	20.2	101		44	124
		Decachlorobiphen	2	20	22.4	112		30	135
		Tetrachloro-m-xyl	2	20	21.7	109		44	124
Q2555-01RE	OU4-TS-29-070925RE	Decachlorobiphen	1	20	8.01	40	*	55	130
		Tetrachloro-m-xyl	1	20	12.9	64		42	129
		Decachlorobiphen	2	20	7.93	40	*	55	130
		Tetrachloro-m-xyl	2	20	10.1	50		42	129
Q2555-03RE	OU4-TS-30-070925RE	Decachlorobiphen	1	20	7.16	36	*	55	130
		Tetrachloro-m-xyl	1	20	8.63	43		42	129
		Decachlorobiphen	2	20	7.05	35	*	55	130
		Tetrachloro-m-xyl	2	20	8.80	44		42	129
I.BLK-PD089610.D	PIBLK-PD089610.D	Decachlorobiphen	1	20	23.1	116		30	135
		Tetrachloro-m-xyl	1	20	20.2	101		44	124
		Decachlorobiphen	2	20	22.5	112		30	135
		Tetrachloro-m-xyl	2	20	21.9	110		44	124

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2555 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PD089457.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2560-01MS (Column 1)**	**Client Sample ID:**		**LP-7102025MS**								
	alpha-BHC	19.78	0	16.4	ug/kg	83				45	137	
	beta-BHC	19.78	0	11.8	ug/kg	60				50	136	
	delta-BHC	19.78	0	17.5	ug/kg	88				47	139	
	gamma-BHC (Lindane)	19.78	0	18.8	ug/kg	95				49	135	
	Heptachlor	19.78	0	17.4	ug/kg	88				47	136	
	Aldrin	19.78	0	18.4	ug/kg	93				45	136	
	Heptachlor epoxide	19.78	2.40	19.3	ug/kg	86				52	136	
	Endosulfan I	19.78	0	17.8	ug/kg	90				53	132	
	Dieldrin	19.78	0.87	17.1	ug/kg	80				56	136	
	4,4'-DDE	19.78	0.31	14.1	ug/kg	83				56	134	
	Endrin	19.78	0.45	16.2	ug/kg	83				57	140	
	Endosulfan II	19.78	0	16.2	ug/kg	82				53	134	
	4,4'-DDD	19.78	0	17.9	ug/kg	90				56	139	
	Endosulfan sulfate	19.78	0	15.6	ug/kg	79				55	136	
	4,4'-DDT	19.78	1.00	17.0	ug/kg	80				50	141	
	Methoxychlor	19.78	0	16.8	ug/kg	85				52	143	
	Endrin ketone	19.78	0	15.6	ug/kg	79				55	136	
	Endrin aldehyde	19.78	0	16.1	ug/kg	81				35	137	
	alpha-Chlordane	19.78	7.60	24.1	ug/kg	84				54	133	
	gamma-Chlordane	19.78	4.00	20.4	ug/kg	84				53	135	
Lab Sample ID:	**Q2560-01MS (Column 2)**	**Client Sample ID:**		**LP-7102025MS**								
	alpha-BHC	19.78	0	17.4	ug/kg	88				45	137	
	beta-BHC	19.78	0	22.2	ug/kg	112				50	136	
	delta-BHC	19.78	0	17.6	ug/kg	89				47	139	
	gamma-BHC (Lindane)	19.78	0	16.5	ug/kg	83				49	135	
	Heptachlor	19.78	0	17.1	ug/kg	86				47	136	
	Aldrin	19.78	0	17.4	ug/kg	88				45	136	
	Heptachlor epoxide	19.78	2.60	19.6	ug/kg	99				52	136	
	Endosulfan I	19.78	0	15.9	ug/kg	80				53	132	
	Dieldrin	19.78	2.10	17.9	ug/kg	90				56	136	
	4,4'-DDE	19.78	0.58	17.0	ug/kg	86				56	134	
	Endrin	19.78	0.68	17.1	ug/kg	86				57	140	
	Endosulfan II	19.78	0	19.5	ug/kg	99				53	134	
	4,4'-DDD	19.78	0	14.9	ug/kg	75				56	139	
	Endosulfan sulfate	19.78	0	16.6	ug/kg	84				55	136	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2555 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PD089457.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.78	1.60	17.4	ug/kg	88				50	141	
Methoxychlor	19.78	0	15.7	ug/kg	79				52	143	
Endrin ketone	19.78	0	15.2	ug/kg	77				55	136	
Endrin aldehyde	19.78	0	16.7	ug/kg	84				35	137	
alpha-Chlordane	19.78	5.60	24.3	ug/kg	123				54	133	
gamma-Chlordane	19.78	3.30	20.7	ug/kg	105				53	135	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2555 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PD089458.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: **Q2560-01MSD (Column 1)**	**Client Sample ID:**		**LP-7102025MSD**								
alpha-BHC	19.76	0	16.5	ug/kg	84		1		45	137	20
beta-BHC	19.76	0	11.9	ug/kg	60		0		50	136	20
delta-BHC	19.76	0	17.4	ug/kg	88		0		47	139	20
gamma-BHC (Lindane)	19.76	0	20.0	ug/kg	101		6		49	135	20
Heptachlor	19.76	0	16.8	ug/kg	85		3		47	136	20
Aldrin	19.76	0	18.3	ug/kg	93		0		45	136	20
Heptachlor epoxide	19.76	2.40	19.3	ug/kg	87		1		52	136	20
Endosulfan I	19.76	0	17.8	ug/kg	90		0		53	132	20
Dieldrin	19.76	0.87	17.1	ug/kg	79		1		56	136	20
4,4'-DDE	19.76	0.31	14.1	ug/kg	83		0		56	134	20
Endrin	19.76	0.45	16.1	ug/kg	84		1		57	140	20
Endosulfan II	19.76	0	15.9	ug/kg	80		2		53	134	20
4,4'-DDD	19.76	0	17.7	ug/kg	90		0		56	139	20
Endosulfan sulfate	19.76	0	15.6	ug/kg	79		0		55	136	20
4,4'-DDT	19.76	1.00	17.1	ug/kg	80		0		50	141	20
Methoxychlor	19.76	0	17.5	ug/kg	89		5		52	143	20
Endrin ketone	19.76	0	15.6	ug/kg	79		0		55	136	20
Endrin aldehyde	19.76	0	16.1	ug/kg	81		0		35	137	20
alpha-Chlordane	19.76	7.60	24.1	ug/kg	84		0		54	133	20
gamma-Chlordane	19.76	4.00	20.1	ug/kg	82		2		53	135	20
Lab Sample ID: **Q2560-01MSD (Column 2)**	**Client Sample ID:**		**LP-7102025MSD**								
alpha-BHC	19.76	0	17.4	ug/kg	88		0		45	137	20
beta-BHC	19.76	0	22.3	ug/kg	113		1		50	136	20
delta-BHC	19.76	0	17.5	ug/kg	89		0		47	139	20
gamma-BHC (Lindane)	19.76	0	16.7	ug/kg	85		2		49	135	20
Heptachlor	19.76	0	16.8	ug/kg	85		1		47	136	20
Aldrin	19.76	0	17.5	ug/kg	89		1		45	136	20
Heptachlor epoxide	19.76	2.60	19.8	ug/kg	100		1		52	136	20
Endosulfan I	19.76	0	16.6	ug/kg	84		5		53	132	20
Dieldrin	19.76	2.10	17.8	ug/kg	90		0		56	136	20
4,4'-DDE	19.76	0.58	17.0	ug/kg	86		0		56	134	20
Endrin	19.76	0.68	17.3	ug/kg	88		2		57	140	20
Endosulfan II	19.76	0	19.2	ug/kg	97		2		53	134	20
4,4'-DDD	19.76	0	14.7	ug/kg	74		1		56	139	20
Endosulfan sulfate	19.76	0	16.4	ug/kg	83		1		55	136	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2555 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PD089458.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.76	1.60	17.4	ug/kg	88		0		50	141	20
Methoxychlor	19.76	0	15.7	ug/kg	79		0		52	143	20
Endrin ketone	19.76	0	15.0	ug/kg	76		1		55	136	20
Endrin aldehyde	19.76	0	17.7	ug/kg	90		7		35	137	20
alpha-Chlordane	19.76	5.60	24.2	ug/kg	122		1		54	133	20
gamma-Chlordane	19.76	3.30	20.3	ug/kg	103		2		53	135	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2555 **Analytical Method:** 8081B

Client: Nobis Group **Datafile :** PD089454.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168810BS (Column 1)	alpha-BHC	16.66	16.0	ug/kg	96				45	137	
	beta-BHC	16.66	15.5	ug/kg	93				50	136	
	delta-BHC	16.66	17.0	ug/kg	102				47	139	
	gamma-BHC (Lindane)	16.66	16.0	ug/kg	96				49	135	
	Heptachlor	16.66	15.9	ug/kg	95				47	136	
	Aldrin	16.66	16.2	ug/kg	97				45	136	
	Heptachlor epoxide	16.66	15.9	ug/kg	95				52	136	
	Endosulfan I	16.66	16.1	ug/kg	97				53	132	
	Dieldrin	16.66	16.2	ug/kg	97				56	136	
	4,4'-DDE	16.66	16.2	ug/kg	97				56	134	
	Endrin	16.66	14.5	ug/kg	87				57	140	
	Endosulfan II	16.66	16.0	ug/kg	96				53	134	
	4,4'-DDD	16.66	16.5	ug/kg	99				56	139	
	Endosulfan sulfate	16.66	15.4	ug/kg	92				55	136	
	4,4'-DDT	16.66	14.4	ug/kg	86				50	141	
	Methoxychlor	16.66	13.2	ug/kg	79				52	143	
	Endrin ketone	16.66	15.5	ug/kg	93				55	136	
	Endrin aldehyde	16.66	15.7	ug/kg	94				35	137	
	alpha-Chlordane	16.66	16.1	ug/kg	97				54	133	
	gamma-Chlordane	16.66	16.1	ug/kg	97				53	135	
PB168810BS (Column 2)	alpha-BHC	16.66	17.2	ug/kg	103				45	137	
	beta-BHC	16.66	16.8	ug/kg	101				50	136	
	delta-BHC	16.66	17.2	ug/kg	103				47	139	
	gamma-BHC (Lindane)	16.66	17.2	ug/kg	103				49	135	
	Heptachlor	16.66	16.4	ug/kg	98				47	136	
	Aldrin	16.66	17.3	ug/kg	104				45	136	
	Heptachlor epoxide	16.66	17.1	ug/kg	103				52	136	
	Endosulfan I	16.66	17.5	ug/kg	105				53	132	
	Dieldrin	16.66	17.1	ug/kg	103				56	136	
	4,4'-DDE	16.66	17.1	ug/kg	103				56	134	
	Endrin	16.66	15.3	ug/kg	92				57	140	
	Endosulfan II	16.66	16.9	ug/kg	101				53	134	
	4,4'-DDD	16.66	17.6	ug/kg	106				56	139	
	Endosulfan sulfate	16.66	16.7	ug/kg	100				55	136	
	4,4'-DDT	16.66	15.5	ug/kg	93				50	141	
	Methoxychlor	16.66	14.2	ug/kg	85				52	143	
	Endrin ketone	16.66	16.4	ug/kg	98				55	136	
	Endrin aldehyde	16.66	16.7	ug/kg	100				35	137	
	alpha-Chlordane	16.66	17.1	ug/kg	103				54	133	
	gamma-Chlordane	16.66	17.2	ug/kg	103				53	135	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168810BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2555

Lab Sample ID: PB168810BL | Lab File ID: PD089453.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/11/2025

Date Analyzed (1): 07/11/2025 | Date Analyzed (2): 07/11/2025

Time Analyzed (1): 13:01 | Time Analyzed (2): 13:01

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
PB168810BS	PB168810BS	PD089454.D	07/11/2025	07/11/2025
LP-7102025MS	Q2560-01MS	PD089457.D	07/11/2025	07/11/2025
LP-7102025MSD	Q2560-01MSD	PD089458.D	07/11/2025	07/11/2025
OU4-TS-29-070925	Q2555-01	PD089485.D	07/14/2025	07/14/2025
OU4-TS-30-070925	Q2555-03	PD089486.D	07/14/2025	07/14/2025

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:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	74.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089485.D	1	07/11/25 08:20	07/14/25 19:01	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00044	U	0.00018	0.00044	0.0023	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00024	0.0011	0.0023	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00053	0.0011	0.0023	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
76-44-8	Heptachlor	0.00044	U	0.00016	0.00044	0.0023	mg/Kg
309-00-2	Aldrin	0.00044	U	0.00016	0.00044	0.0023	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00026	0.0011	0.0023	mg/Kg
959-98-8	Endosulfan I	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
60-57-1	Dieldrin	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
72-55-9	4,4-DDE	0.0010	JP	0.00019	0.00044	0.0023	mg/Kg
72-20-8	Endrin	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00039	0.0011	0.0023	mg/Kg
72-54-8	4,4-DDD	0.00044	U	0.00020	0.00044	0.0023	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00044	U	0.00018	0.00044	0.0023	mg/Kg
50-29-3	4,4-DDT	0.00060	JP	0.00019	0.00044	0.0023	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00050	0.0011	0.0023	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00026	0.0011	0.0023	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00050	0.0011	0.0023	mg/Kg
5103-71-9	alpha-Chlordane	0.0021	J	0.00016	0.00044	0.0023	mg/Kg
5103-74-2	gamma-Chlordane	0.00044	U	0.00020	0.00044	0.0023	mg/Kg
8001-35-2	Toxaphene	0.023	U	0.0073	0.023	0.044	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.29	*	55 - 130		41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.5		42 - 129		67%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	74.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089485.D	1	07/11/25 08:20	07/14/25 19:01	PB168810

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\PD071425\
Data File : PD089485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:01
Operator : AR\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.879	38414513	202.2E6	13.464m	11.928
28)	SA Decachlor...	9.075	8.070	28951886	163.8E6	7.371	8.286
	Target Compounds						
11)	B alpha-Chl...	6.032	5.188	22611874	101.3E6	4.673m	4.425
12)	B 4,4'-DDE	6.198	5.373	5850067	53379841	1.341m	2.329 #
17)	MA 4,4'-DDT	7.022	6.179	1604081	27155416	0.423m	1.339 #

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

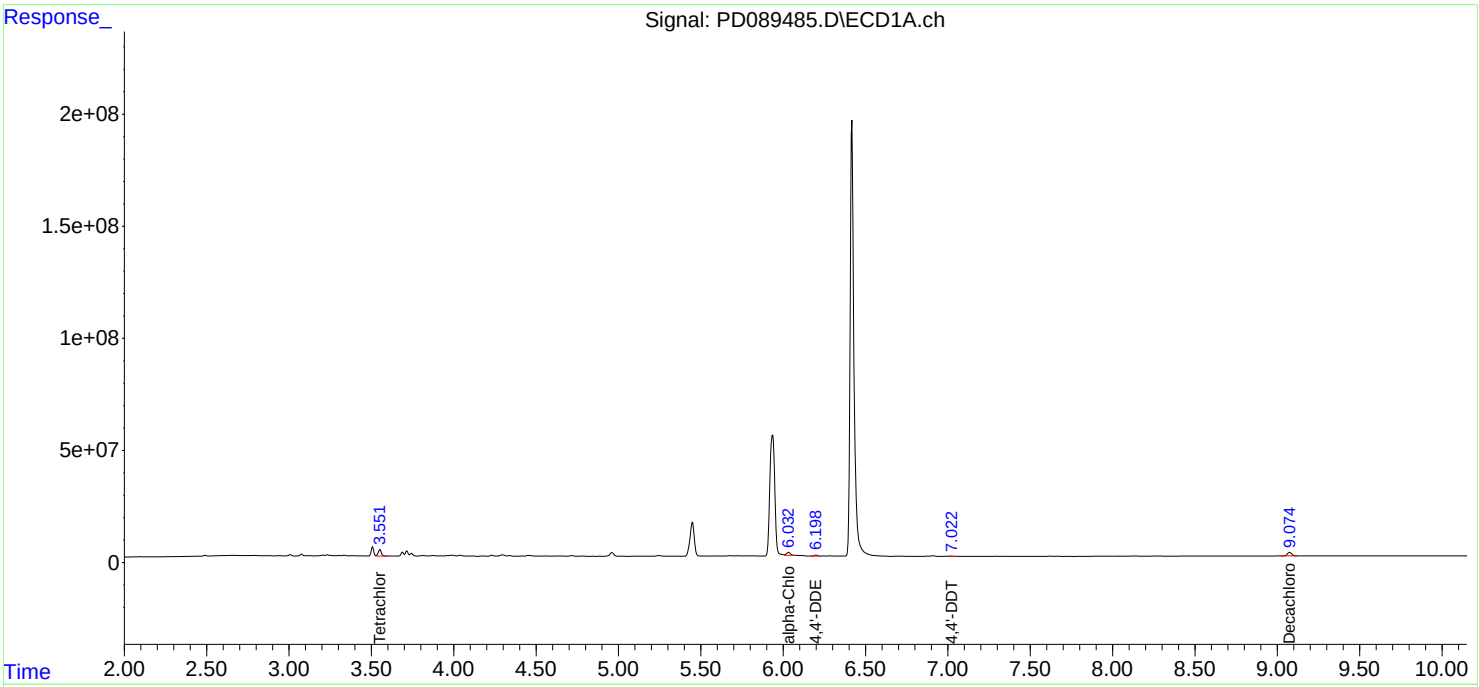
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:01
Operator : AR\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

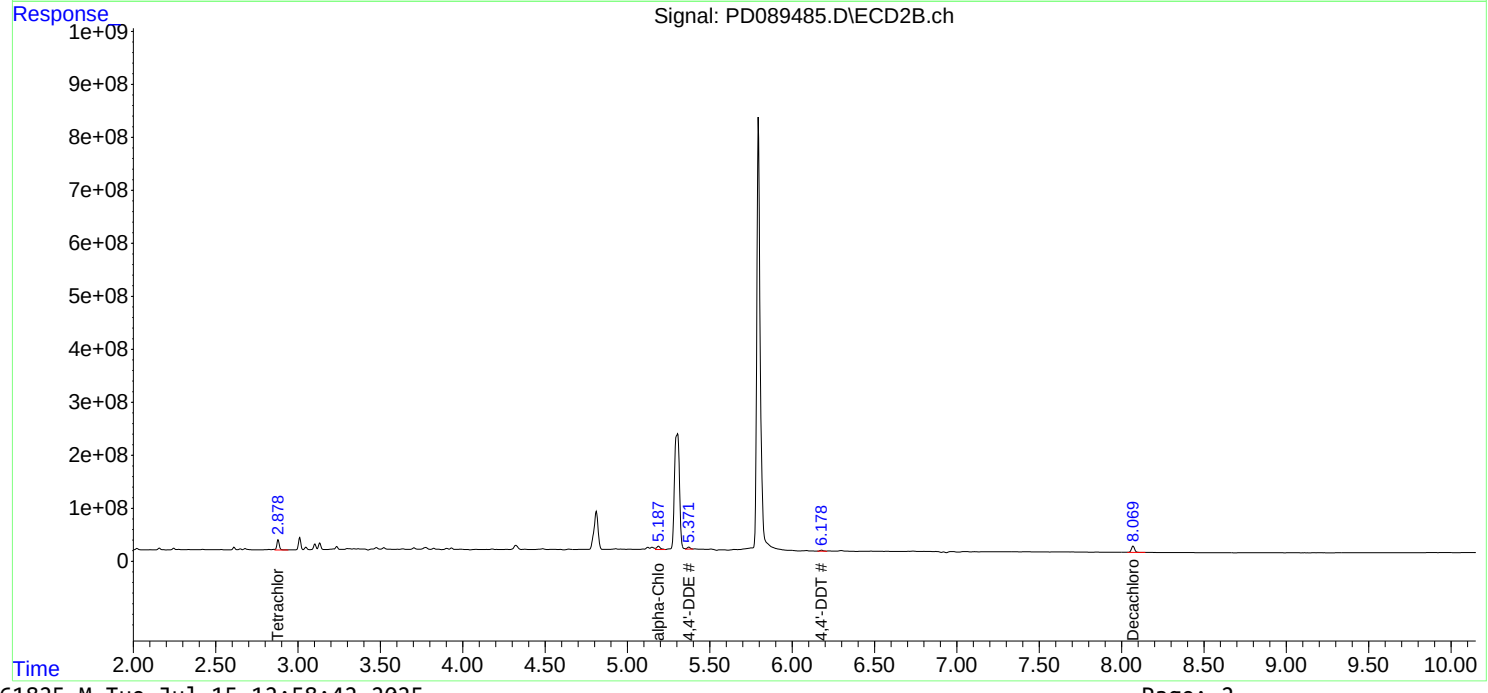
Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925

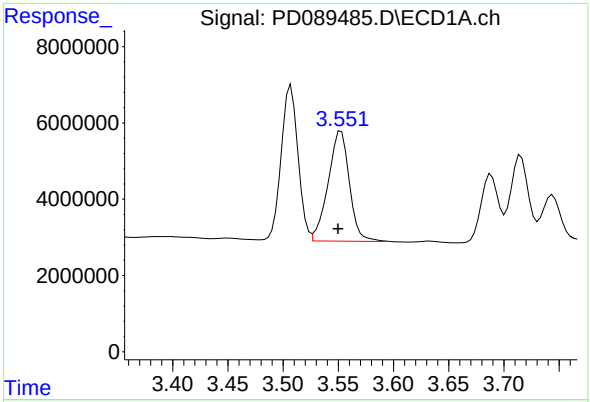
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







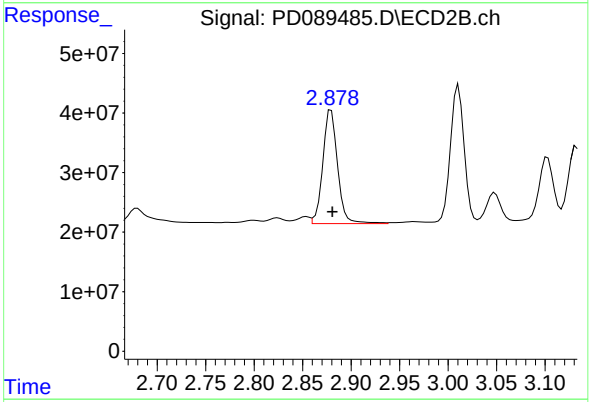
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.001 min
Response: 38414513
Conc: 13.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925

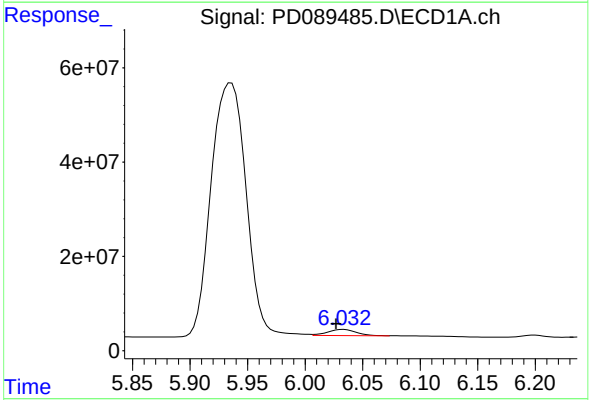
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



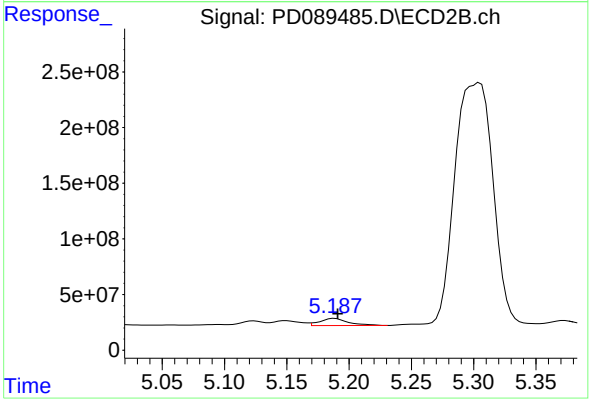
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 202212752
Conc: 11.93 ng/ml



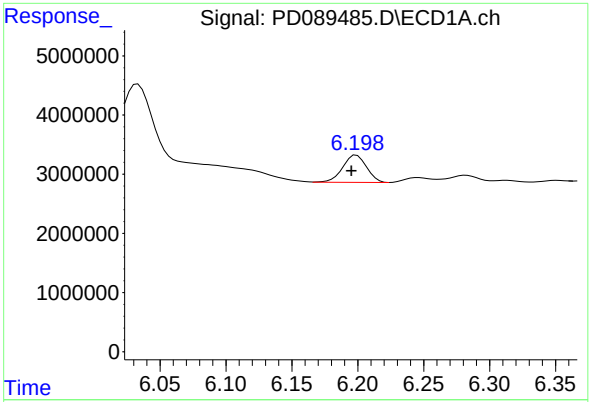
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.005 min
Response: 22611874
Conc: 4.67 ng/ml m



#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 101309116
Conc: 4.42 ng/ml



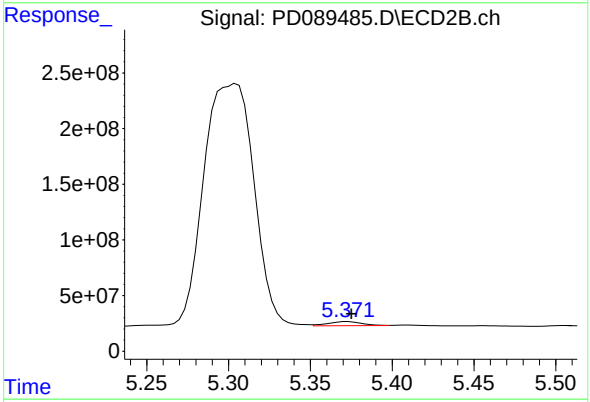
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.002 min
Response: 5850067
Conc: 1.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925

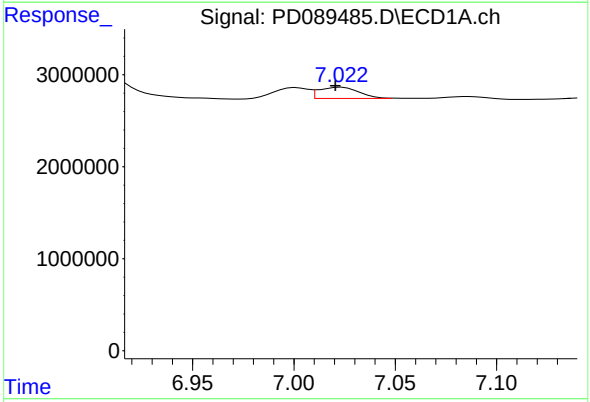
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



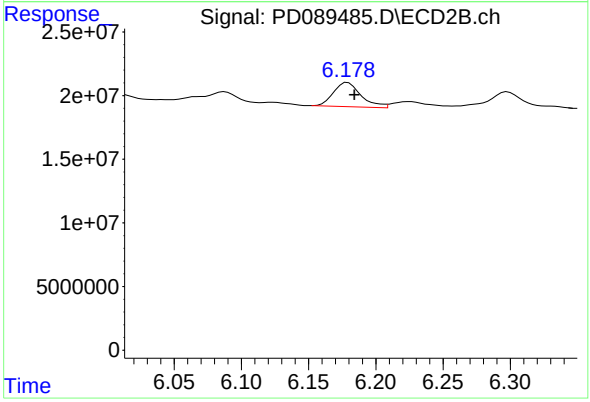
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 53379841
Conc: 2.33 ng/ml



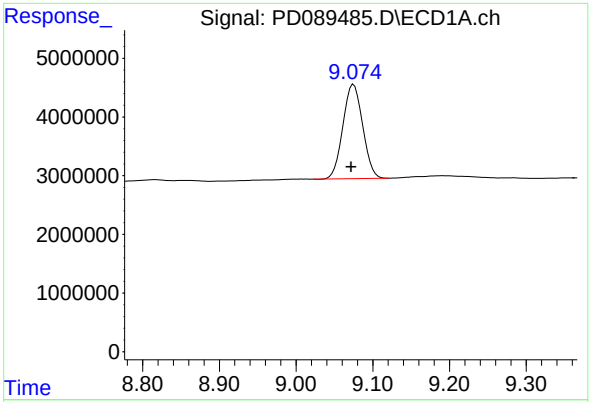
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 1604081
Conc: 0.42 ng/ml m



#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.005 min
Response: 27155416
Conc: 1.34 ng/ml



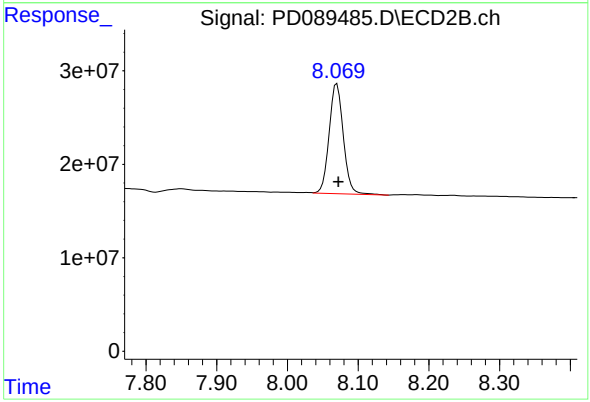
#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.003 min
Response: 28951886
Conc: 7.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 163820301
Conc: 8.29 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925RE	SDG No.:	Q2555
Lab Sample ID:	Q2555-01RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	74.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089604.D	1	07/11/25 08:20	07/23/25 16:54	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00044	U	0.00018	0.00044	0.0023	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00024	0.0011	0.0023	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00053	0.0011	0.0023	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
76-44-8	Heptachlor	0.00044	U	0.00016	0.00044	0.0023	mg/Kg
309-00-2	Aldrin	0.00044	U	0.00016	0.00044	0.0023	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00026	0.0011	0.0023	mg/Kg
959-98-8	Endosulfan I	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
60-57-1	Dieldrin	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
72-55-9	4,4-DDE	0.00062	J	0.00019	0.00044	0.0023	mg/Kg
72-20-8	Endrin	0.00044	U	0.00019	0.00044	0.0023	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00039	0.0011	0.0023	mg/Kg
72-54-8	4,4-DDD	0.00044	U	0.00020	0.00044	0.0023	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00044	U	0.00018	0.00044	0.0023	mg/Kg
50-29-3	4,4-DDT	0.00053	JP	0.00019	0.00044	0.0023	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00050	0.0011	0.0023	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00026	0.0011	0.0023	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00050	0.0011	0.0023	mg/Kg
5103-71-9	alpha-Chlordane	0.0021	J	0.00016	0.00044	0.0023	mg/Kg
5103-74-2	gamma-Chlordane	0.00044	U	0.00020	0.00044	0.0023	mg/Kg
8001-35-2	Toxaphene	0.023	U	0.0073	0.023	0.044	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.01	*	55 - 130		40%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.9		42 - 129		64%	SPK: 20

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

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925RE	SDG No.:	Q2555
Lab Sample ID:	Q2555-01RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	74.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089604.D	1	07/11/25 08:20	07/23/25 16:54	PB168810

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\PD072425\
Data File : PD089604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:54
Operator : AR\AJ
Sample : Q2555-01RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.545	2.877	37060037	197.2E6	12.862m	10.077m
28)	SA Decachlor...	9.067	8.068	32905219	194.9E6	8.012	7.933
	Target Compounds						
11)	B alpha-Chl...	6.025	5.186	22038862	106.0E6	4.624m	4.110
12)	B 4,4'-DDE	6.191	5.371	5745540	36526450	1.338m	1.391
17)	MA 4,4'-DDT	7.017	6.177	1740912	27463820	0.461	1.173 #

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

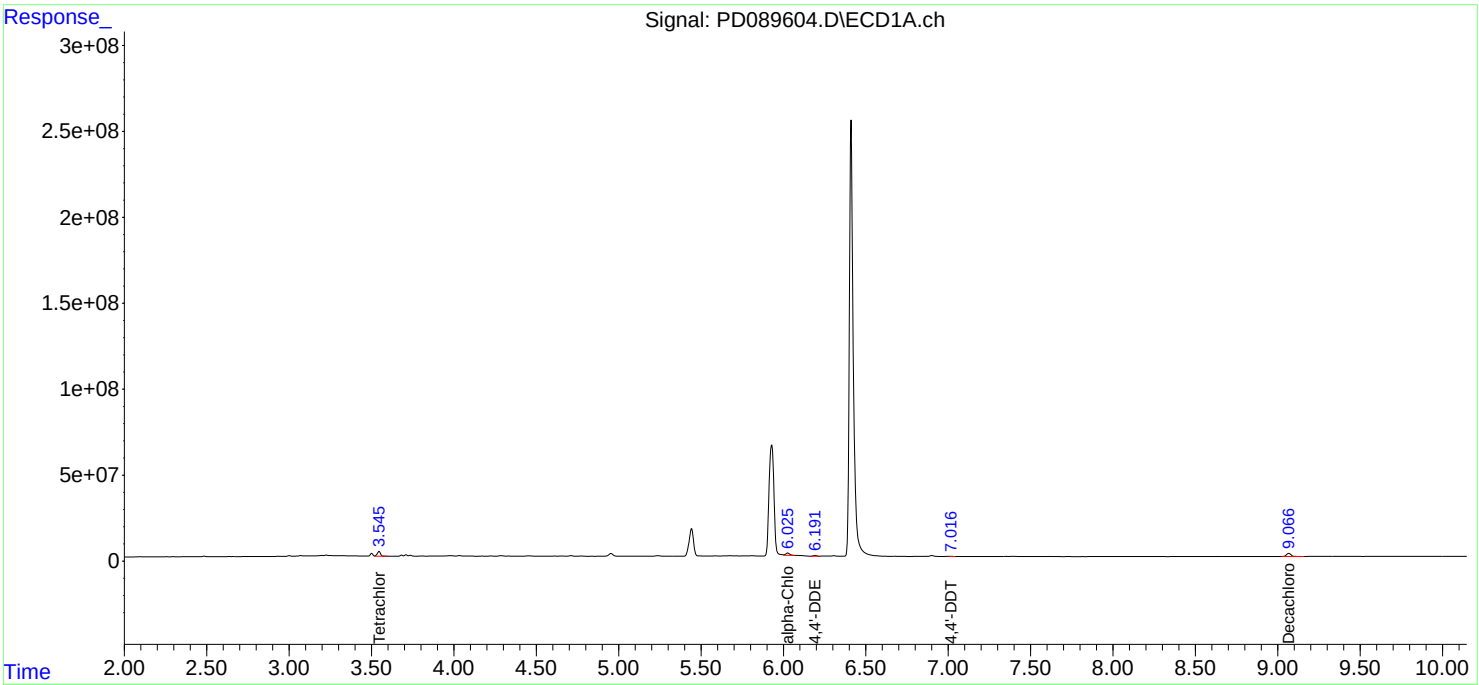
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:54
Operator : AR\AJ
Sample : Q2555-01RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

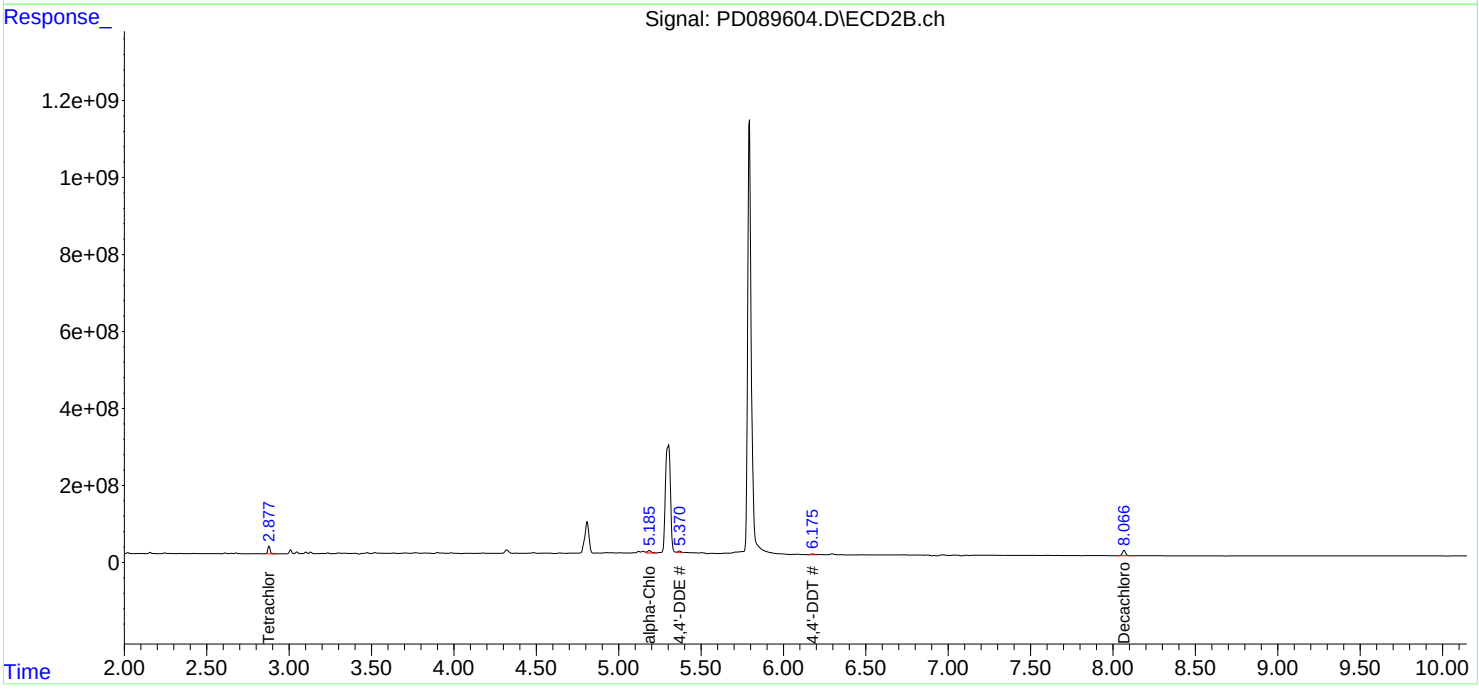
Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE

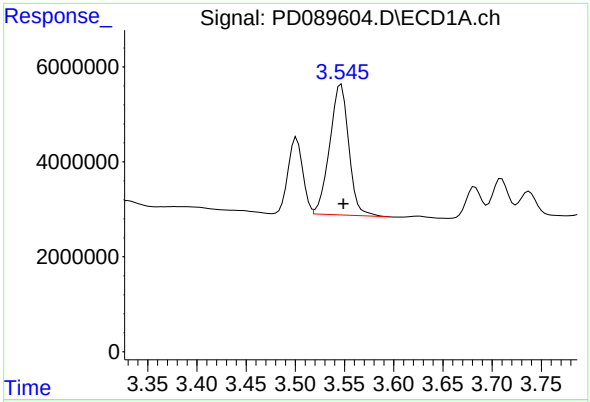
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







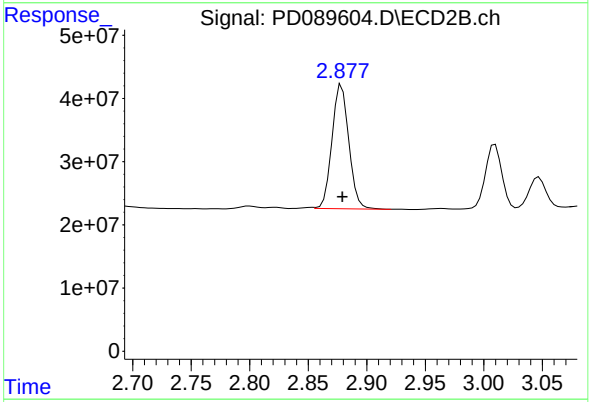
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.004 min
Response: 37060037
Conc: 12.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE

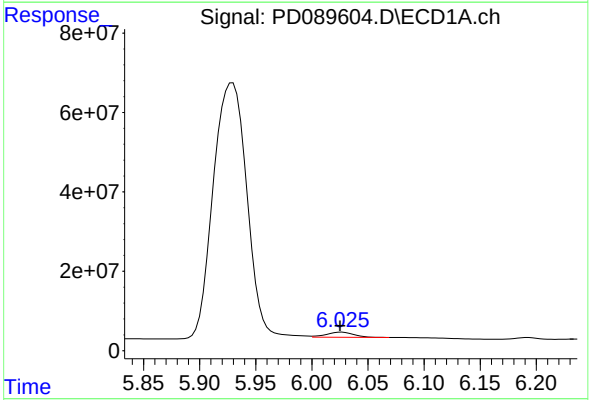
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



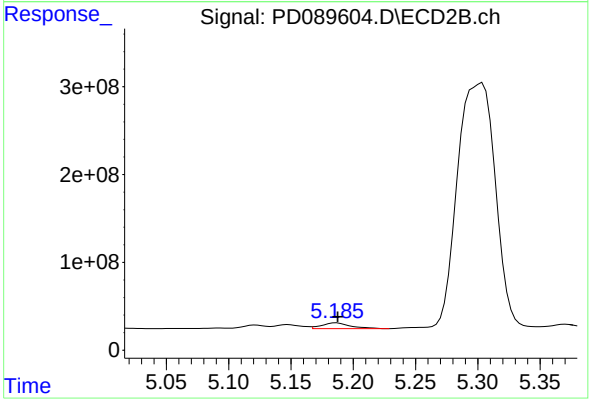
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 197172380
Conc: 10.08 ng/ml m



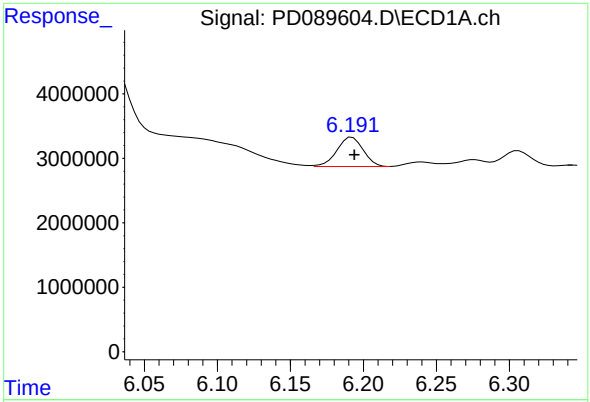
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 22038862
Conc: 4.62 ng/ml m



#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 105994163
Conc: 4.11 ng/ml



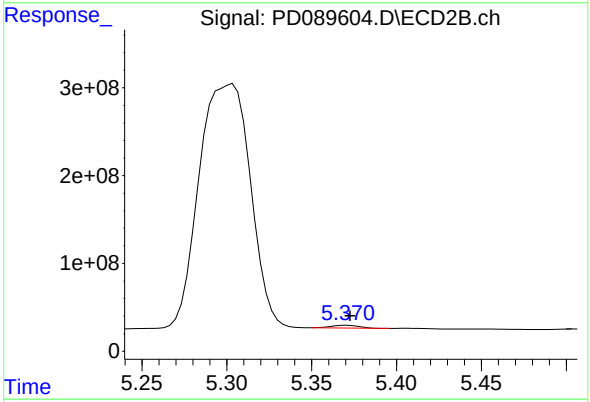
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 5745540
Conc: 1.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE

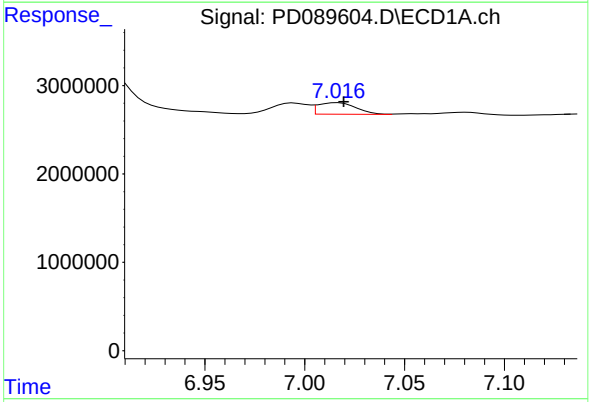
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



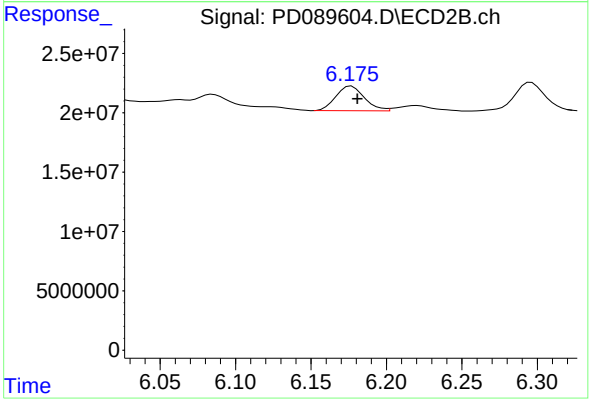
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 36526450
Conc: 1.39 ng/ml



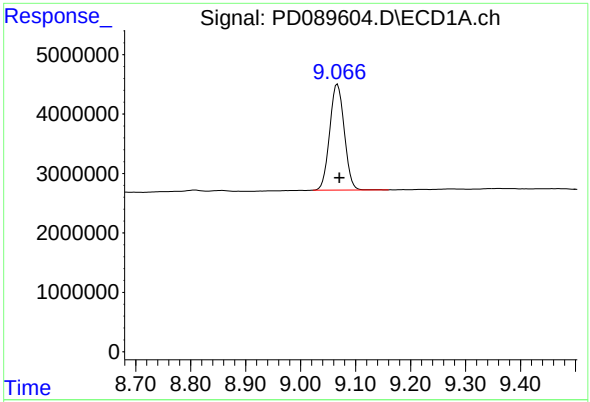
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 1740912
Conc: 0.46 ng/ml



#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.004 min
Response: 27463820
Conc: 1.17 ng/ml



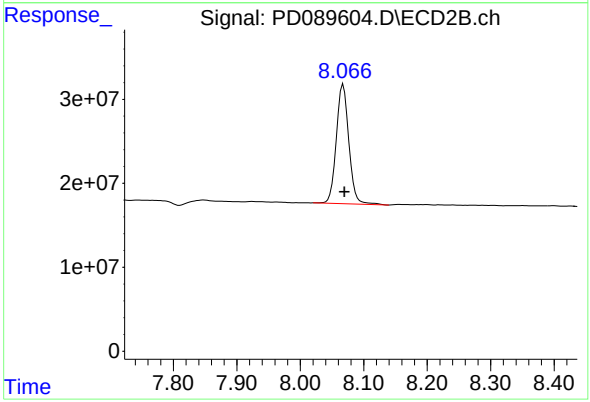
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 32905219
Conc: 8.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.002 min
Response: 194906610
Conc: 7.93 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089486.D	1	07/11/25 08:20	07/14/25 19:14	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00023	0.0011	0.0022	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00051	0.0011	0.0022	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
76-44-8	Heptachlor	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
309-00-2	Aldrin	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
959-98-8	Endosulfan I	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
60-57-1	Dieldrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
72-55-9	4,4-DDE	0.00077	J	0.00018	0.00043	0.0022	mg/Kg
72-20-8	Endrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00038	0.0011	0.0022	mg/Kg
72-54-8	4,4-DDD	0.00043	U	0.00020	0.00043	0.0022	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
50-29-3	4,4-DDT	0.00056	JP	0.00018	0.00043	0.0022	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
5103-71-9	alpha-Chlordane	0.0027		0.00016	0.00043	0.0022	mg/Kg
5103-74-2	gamma-Chlordane	0.0016	J	0.00020	0.00043	0.0022	mg/Kg
8001-35-2	Toxaphene	0.022	U	0.0071	0.022	0.043	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	7.60	*	55 - 130		38%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.1		42 - 129		50%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089486.D	1	07/11/25 08:20	07/14/25 19:14	PB168810

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\PD071425\
Data File : PD089486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:14
Operator : AR\AJ
Sample : Q2555-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.879	25610803	170.4E6	8.976	10.049m
28)	SA Decachlor...	9.071	8.069	26936976	150.3E6	6.858	7.604
	Target Compounds						
10)	B gamma-Chl...	5.945	5.122	17902405	68280632	3.739	2.854m
11)	B alpha-Chl...	6.029	5.186	29676809	101.8E6	6.133	4.446m#
12)	B 4,4'-DDE	6.194	5.373	5760393	40869802	1.321	1.783 #
17)	MA 4,4'-DDT	7.019	6.178	1683250	25912125	0.444	1.278 #

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

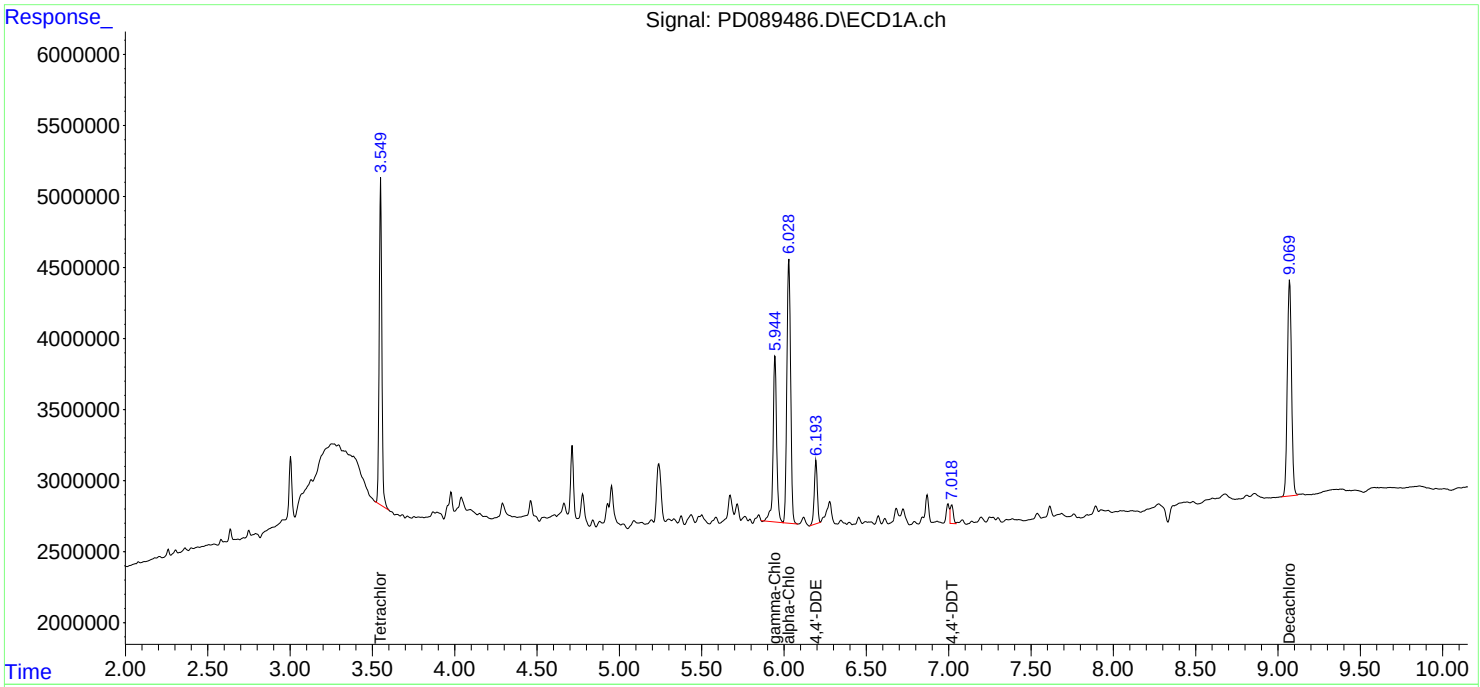
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:14
Operator : AR\AJ
Sample : Q2555-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

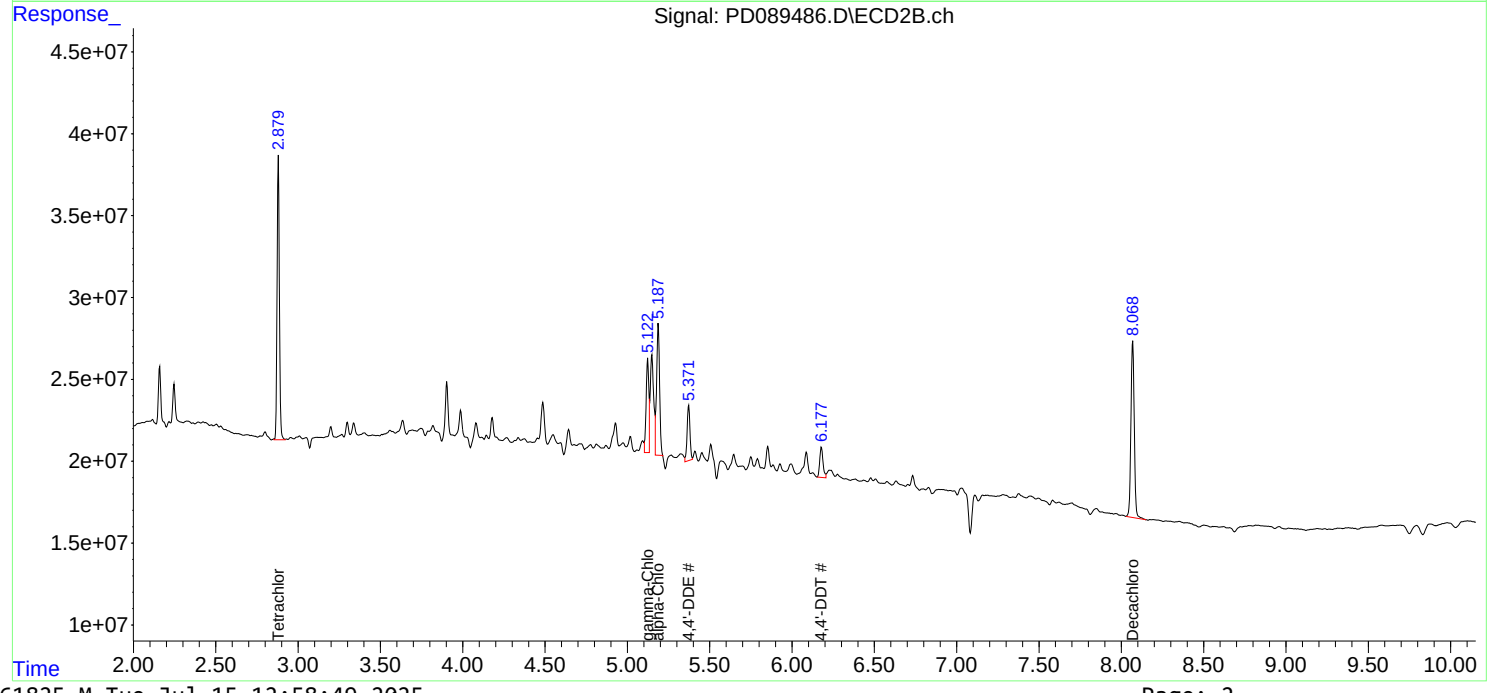
Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925

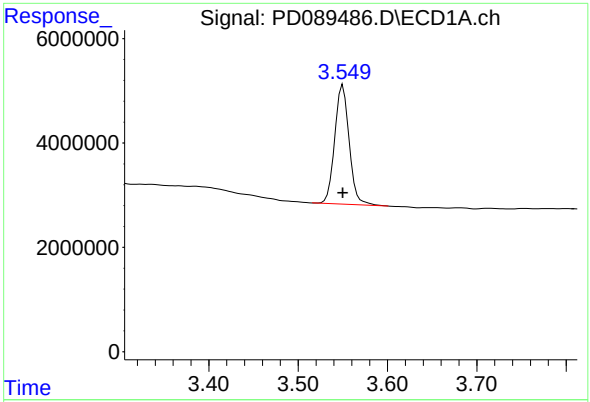
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







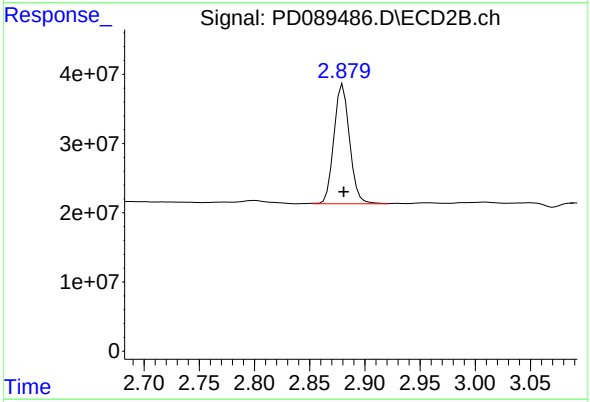
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 25610803
Conc: 8.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925

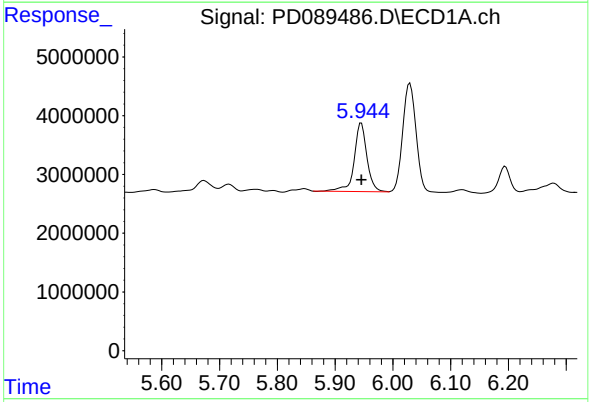
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/22/2025



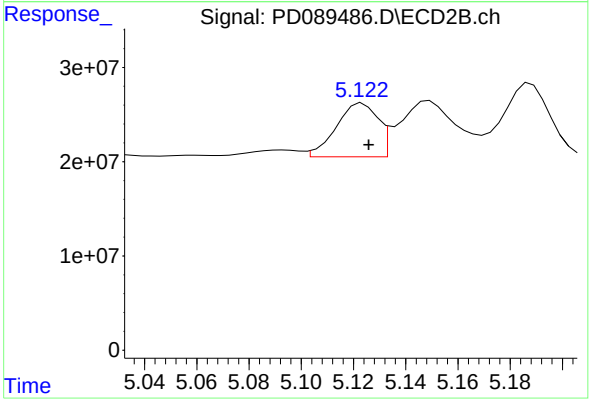
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 170355100
Conc: 10.05 ng/ml m



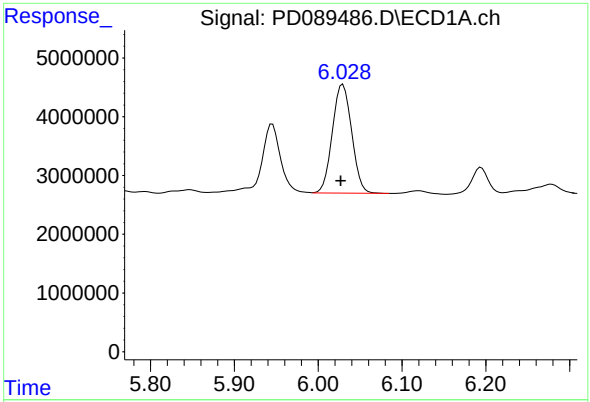
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 17902405
Conc: 3.74 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: -0.004 min
Response: 68280632
Conc: 2.85 ng/ml m



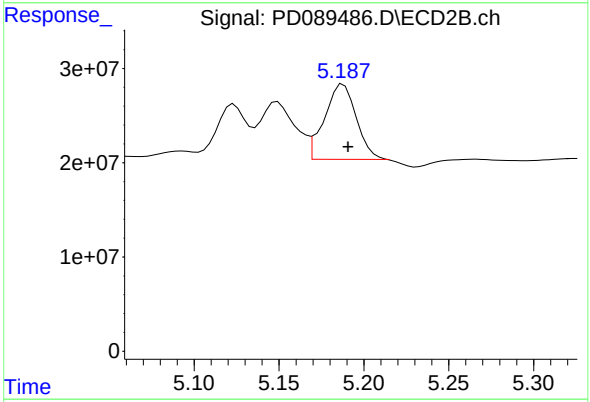
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.003 min
Response: 29676809
Conc: 6.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925

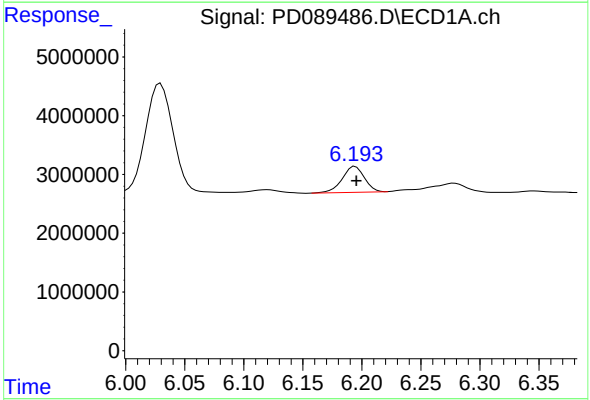
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/22/2025



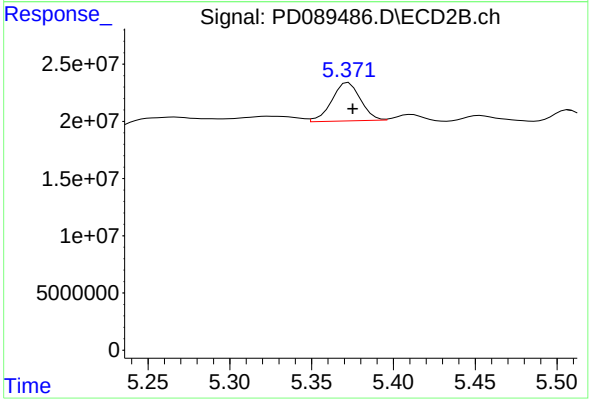
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.004 min
Response: 101800541
Conc: 4.45 ng/ml m



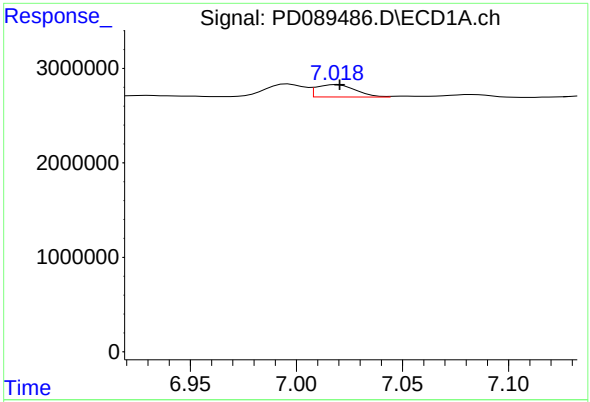
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 5760393
Conc: 1.32 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.003 min
Response: 40869802
Conc: 1.78 ng/ml



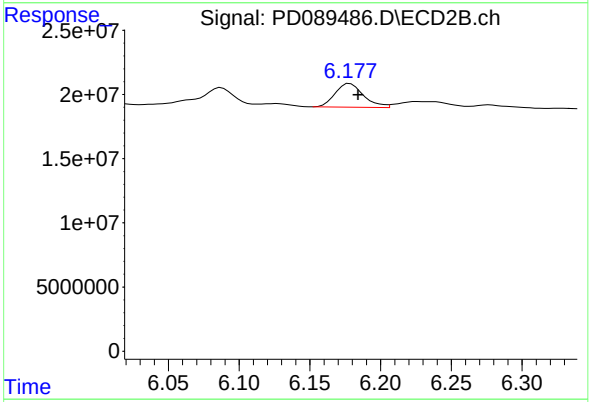
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 1683250
Conc: 0.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925

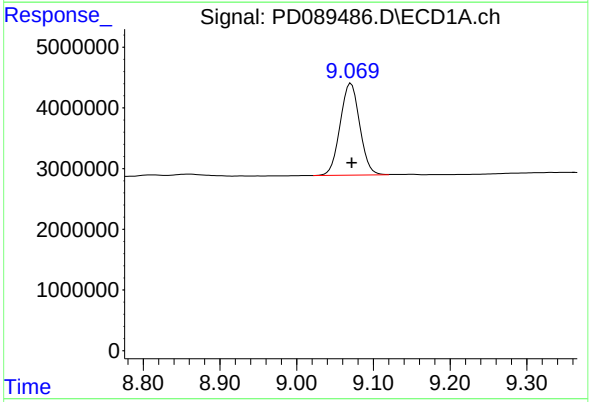
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/22/2025



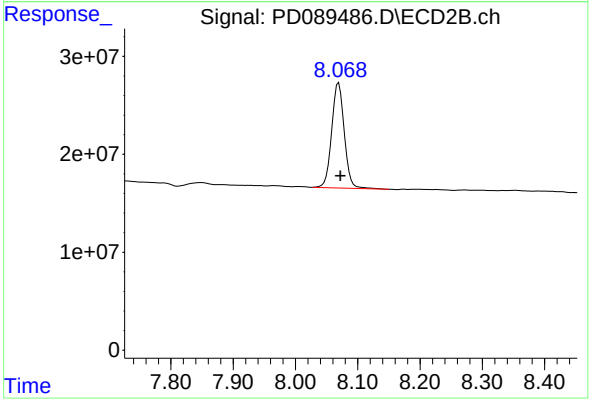
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.006 min
Response: 25912125
Conc: 1.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 26936976
Conc: 6.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 150331263
Conc: 7.60 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925RE	SDG No.:	Q2555
Lab Sample ID:	Q2555-03RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089605.D	1	07/11/25 08:20	07/23/25 17:08	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00023	0.0011	0.0022	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00051	0.0011	0.0022	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
76-44-8	Heptachlor	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
309-00-2	Aldrin	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
959-98-8	Endosulfan I	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
60-57-1	Dieldrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
72-55-9	4,4-DDE	0.00063	J	0.00018	0.00043	0.0022	mg/Kg
72-20-8	Endrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00038	0.0011	0.0022	mg/Kg
72-54-8	4,4-DDD	0.00043	U	0.00020	0.00043	0.0022	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
50-29-3	4,4-DDT	0.00054	JP	0.00018	0.00043	0.0022	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
5103-71-9	alpha-Chlordane	0.0026		0.00016	0.00043	0.0022	mg/Kg
5103-74-2	gamma-Chlordane	0.0016	J	0.00020	0.00043	0.0022	mg/Kg
8001-35-2	Toxaphene	0.022	U	0.0071	0.022	0.043	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	7.16	*	55 - 130		36%	SPK: 20
877-09-8	Tetrachloro-m-xylene	8.80		42 - 129		44%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925RE	SDG No.:	Q2555
Lab Sample ID:	Q2555-03RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089605.D	1	07/11/25 08:20	07/23/25 17:08	PB168810

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\PD072425\
Data File : PD089605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:08
Operator : AR\AJ
Sample : Q2555-03RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	24872958	172.2E6	8.632	8.798m
28)	SA Decachlor...	9.069	8.068	29425003	173.1E6	7.165	7.047
	Target Compounds						
10)	B gamma-Chl...	5.943	5.122	17262931	75508784	3.641	2.822
11)	B alpha-Chl...	6.027	5.186	29045487	129.5E6	6.093	5.021
12)	B 4,4'-DDE	6.193	5.371	5410037	38386408	1.260	1.462
17)	MA 4,4'-DDT	7.017	6.177	2036191	29260649	0.540	1.250 #

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

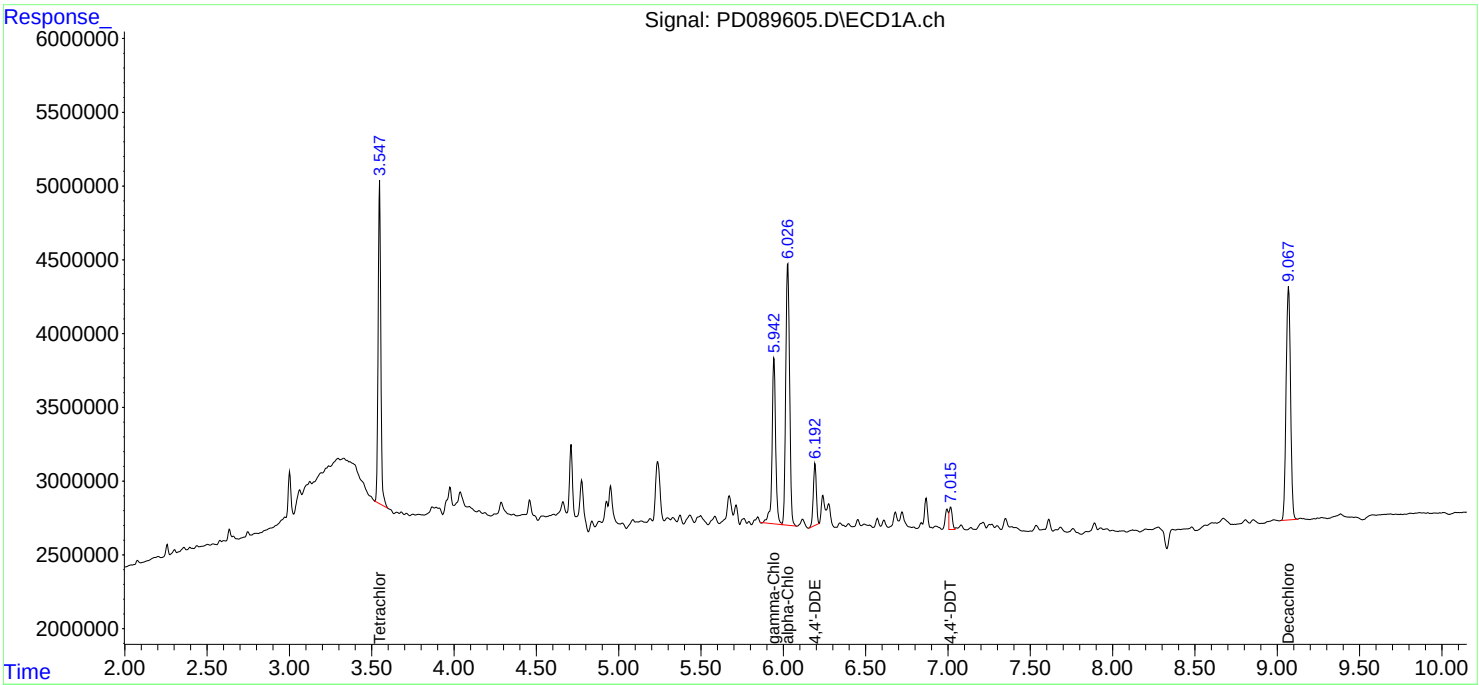
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:08
Operator : AR\AJ
Sample : Q2555-03RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

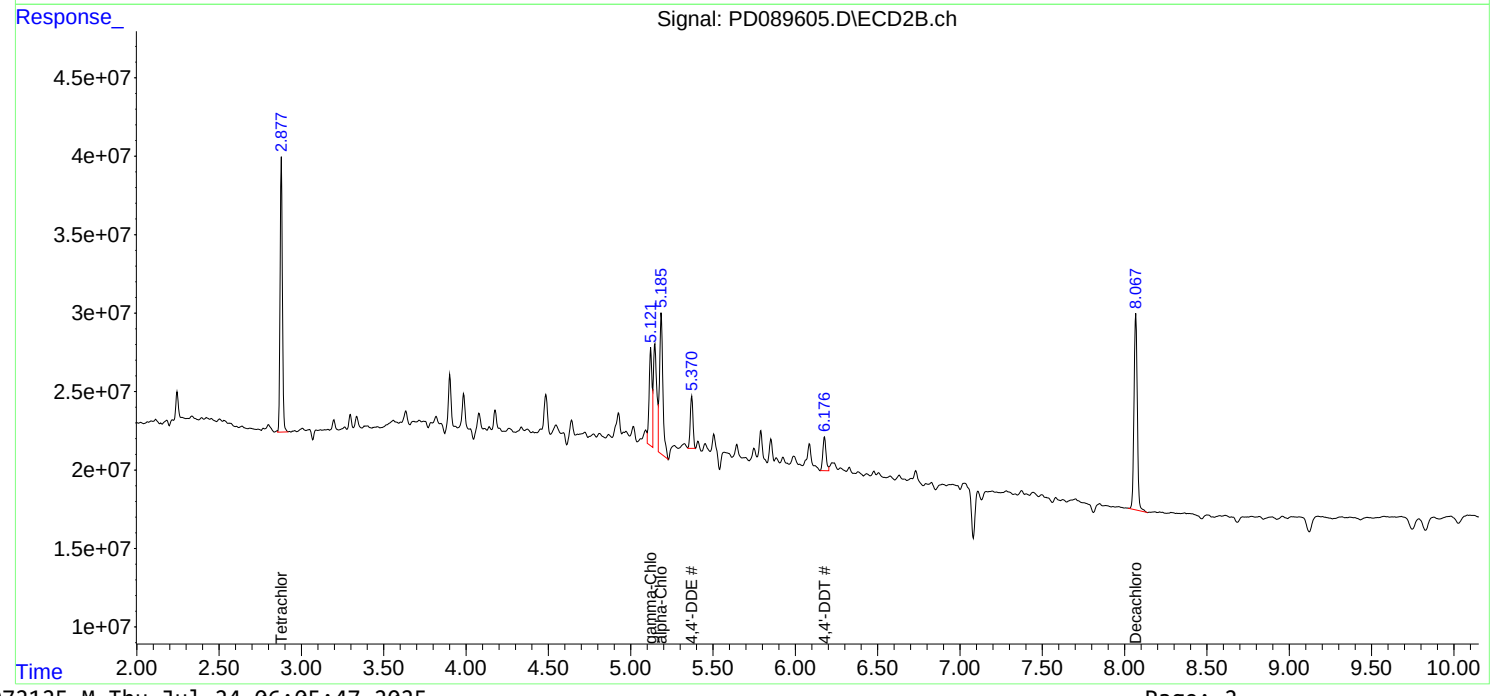
Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE

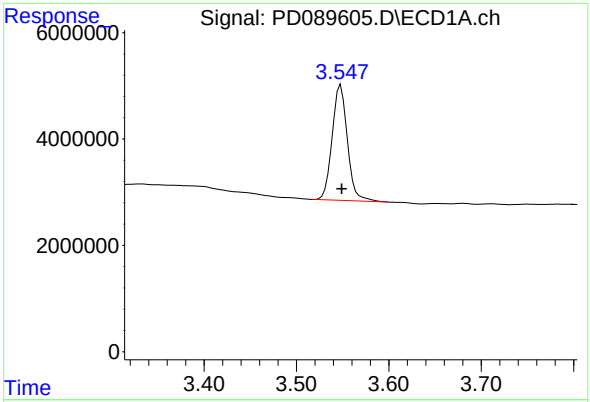
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







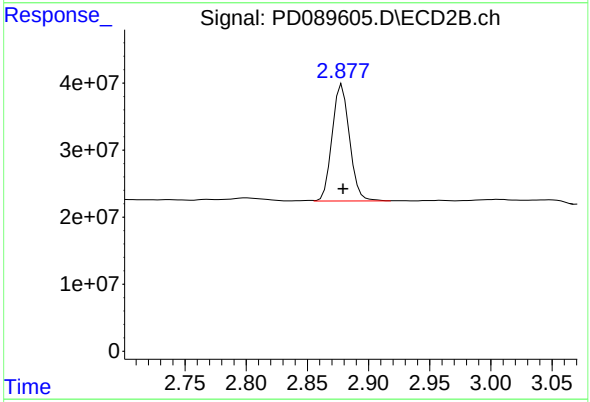
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 24872958
Conc: 8.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE

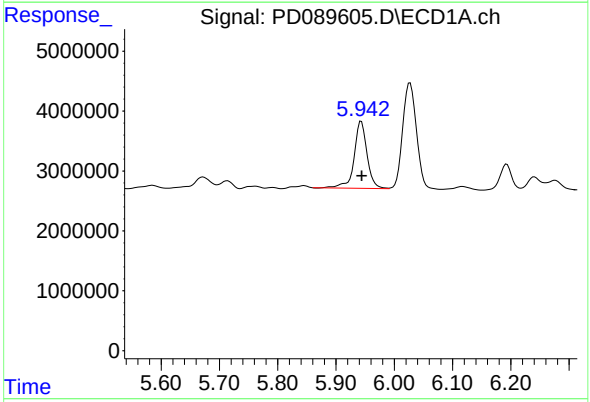
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



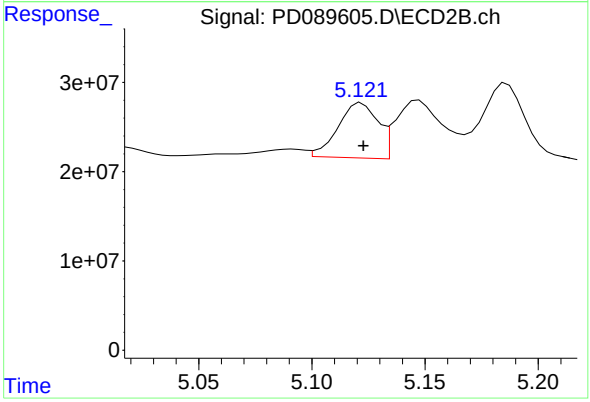
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 172150376
Conc: 8.80 ng/ml m



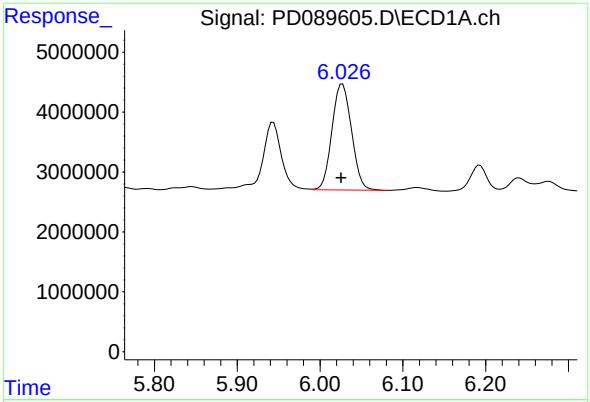
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 17262931
Conc: 3.64 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 75508784
Conc: 2.82 ng/ml



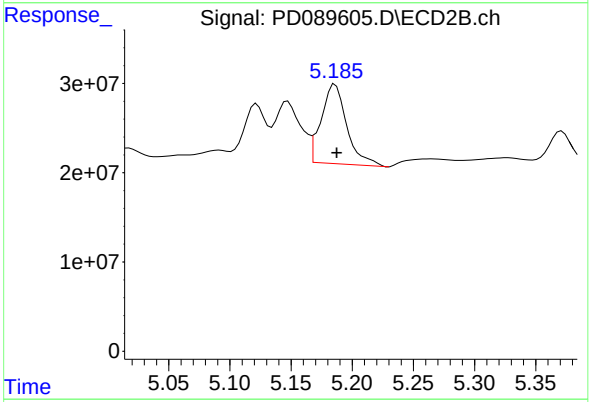
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 29045487
Conc: 6.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE

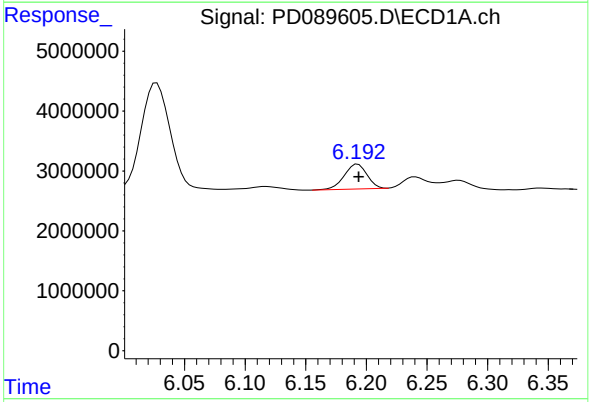
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



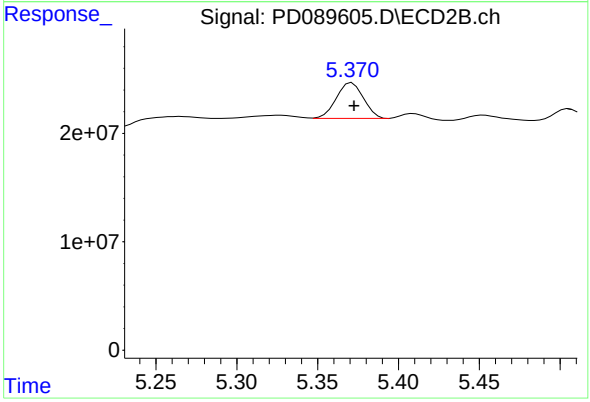
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 129494891
Conc: 5.02 ng/ml



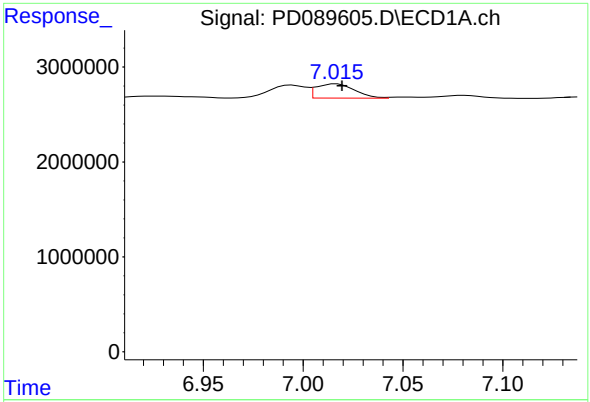
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 5410037
Conc: 1.26 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.001 min
Response: 38386408
Conc: 1.46 ng/ml



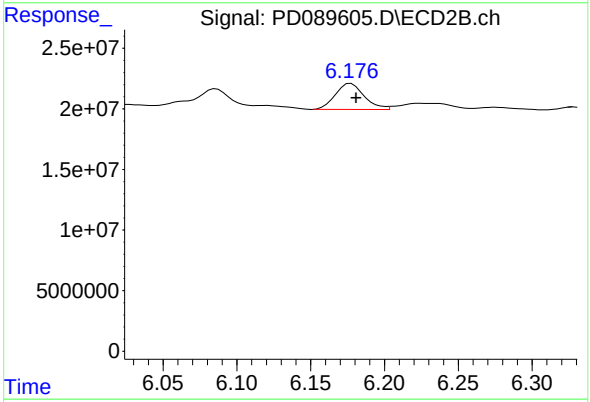
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 2036191
Conc: 0.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE

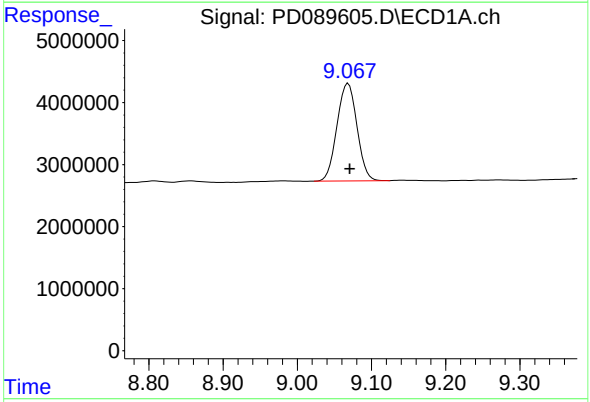
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



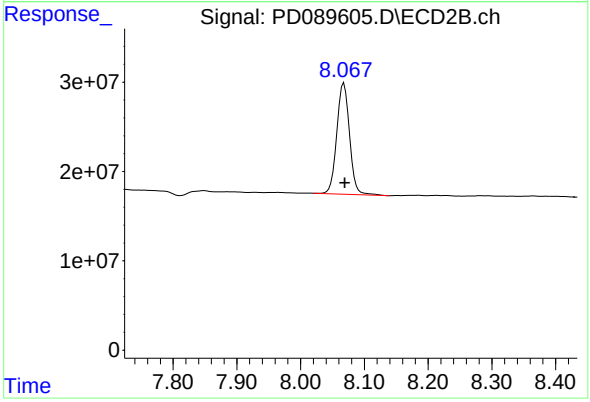
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.003 min
Response: 29260649
Conc: 1.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 29425003
Conc: 7.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.001 min
Response: 173133191
Conc: 7.05 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.70	6.71	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.20	6.20	6.20	6.20	6.19	6.20	6.10	6.30
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	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	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	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.58	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.91	6.92	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	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.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	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
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	4.37	4.27	4.47
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	4.03	4.03	4.03	4.03	4.03	4.03	3.93	4.13
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	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
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	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
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	6.76	6.75	6.76	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

LAB FILE ID: CF 100 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3557450000	3439230000	3414120000	3228670000	3520780000	3432050000	4
4,4'-DDE	4564130000	4401240000	4312380000	4092310000	4435110000	4361030000	4
4,4'-DDT	3928430000	3802000000	3763430000	3580670000	3866490000	3788210000	3
Aldrin	5504150000	5312640000	5254800000	4989300000	5504000000	5312980000	4
alpha-BHC	6295370000	6031790000	5874750000	5417910000	5525530000	5829070000	6
alpha-Chlordane	4885060000	4758900000	4734630000	4584390000	5229700000	4838540000	5
beta-BHC	2136750000	2100860000	2137680000	2144670000	2515730000	2207140000	8
Decachlorobiphenyl	3598890000	3628150000	3773200000	3897960000	4739940000	3927630000	12
delta-BHC	5546280000	5292010000	5182350000	4751190000	4892690000	5132900000	6
Dieldrin	4933650000	4797080000	4750270000	4527510000	4978810000	4797470000	4
Endosulfan I	4511200000	4405770000	4412600000	4289200000	4918470000	4507450000	5
Endosulfan II	3829260000	3982180000	4002080000	3816490000	4553000000	4036600000	7
Endosulfan sulfate	3786900000	3718160000	3741600000	3667440000	4271990000	3837220000	6
Endrin	4238140000	4109540000	4096430000	3878120000	4305700000	4125590000	4
Endrin aldehyde	2964260000	2935670000	2964230000	2966830000	3488720000	3063940000	8
Endrin ketone	4050100000	3970810000	4004900000	3895960000	4443590000	4073070000	5
gamma-BHC (Lindane)	5900830000	5686510000	5566590000	5221690000	5532800000	5581680000	4
gamma-Chlordane	4869330000	4801300000	4716110000	4508810000	5045020000	4788110000	4
Heptachlor	5621840000	5429540000	5358570000	5116310000	5733550000	5451960000	4
Heptachlor epoxide	4794850000	4673610000	4749650000	4554690000	5346870000	4823940000	6
Methoxychlor	1926110000	1918890000	1971480000	1982080000	2304580000	2020630000	8
Tetrachloro-m-xylene	2812300000	2762040000	2767280000	2751820000	3172230000	2853130000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

LAB FILE ID: CF 100 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17754100000	17899700000	18191100000	18805800000	22996200000	19129400000	11
4,4'-DDE	21343500000	21440200000	21823600000	22564100000	27409000000	22916100000	11
4,4'-DDT	19391000000	19327800000	19594100000	20005200000	23078500000	20279300000	8
Aldrin	22719200000	22747700000	23159400000	23852800000	28607200000	24217300000	10
alpha-BHC	25649000000	25438700000	25849200000	26153100000	30895500000	26797100000	9
alpha-Chlordane	21191300000	21145300000	21570900000	22517200000	28059300000	22896800000	13
beta-BHC	9903630000	9918550000	10198200000	10624100000	13086800000	10746200000	12
Decachlorobiphenyl	17946500000	17939700000	18428600000	19427500000	25107500000	19770000000	15
delta-BHC	23614400000	23533700000	23918700000	24298300000	29003000000	24873600000	9
Dieldrin	21438700000	21622000000	22120600000	22941800000	27919200000	23208500000	12
Endosulfan I	19170300000	19201000000	19315500000	20752900000	25772600000	20842500000	14
Endosulfan II	18473200000	18573800000	19087100000	20002300000	24846800000	20196600000	13
Endosulfan sulfate	17925600000	18043500000	18492500000	19409200000	24234500000	19621100000	13
Endrin	20535400000	19906600000	20644700000	21276500000	26206500000	21713900000	12
Endrin aldehyde	13773600000	13920200000	14379400000	15195500000	19287900000	15311300000	15
Endrin ketone	19587400000	19824900000	20446500000	21535300000	26614600000	21601700000	13
gamma-BHC (Lindane)	23622800000	23442000000	23749900000	24221500000	28748400000	24756900000	9
gamma-Chlordane	22229100000	22022500000	22519500000	23493700000	29348800000	23922700000	13
Heptachlor	23291600000	23365200000	23922200000	24716000000	29896800000	25038400000	11
Heptachlor epoxide	20080600000	20251900000	20827300000	21695300000	26635200000	21898100000	12
Methoxychlor	9712450000	9897880000	10259100000	10830900000	13140100000	10768100000	13
Tetrachloro-m-xylene	15879800000	15866400000	15978000000	16730900000	20310700000	16953200000	11

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

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	33601800
		2	6.44	6.34	6.54	47528600
		3	7.15	7.05	7.25	87292700
		4	7.56	7.46	7.66	111357000
		5	7.93	7.83	8.03	63112600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

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	158160000
		2	5.65	5.55	5.75	108820000
		3	6.76	6.66	6.86	511856000
		4	7.20	7.10	7.30	350145000
		5	7.33	7.23	7.43	253920000

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
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: Jun 18 05:22:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.881	281.2E6	1588.0E6	101.627	99.386
28)	SA Decachlor...	9.072	8.072	359.9E6	1794.6E6	95.380	97.384
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	629.5E6	2564.9E6	107.160	99.226
3)	MA gamma-BHC...	4.330	3.729	590.1E6	2362.3E6	106.005	99.465
4)	MA Heptachlor	4.929	4.083	562.2E6	2329.2E6	104.913	97.364
5)	MB Aldrin	5.271	4.369	550.4E6	2271.9E6	104.745	98.099
6)	B beta-BHC	4.515	4.025	213.7E6	990.4E6	99.957	97.111
7)	B delta-BHC	4.764	4.262	554.6E6	2361.4E6	107.022	98.728
8)	B Heptachlo...	5.691	4.873	479.5E6	2008.1E6	100.952	96.415
9)	A Endosulfan I	6.074	5.247	451.1E6	1917.0E6	102.235	99.248
10)	B gamma-Chl...	5.946	5.126	486.9E6	2222.9E6	103.249	98.710
11)	B alpha-Chl...	6.027	5.191	488.5E6	2119.1E6	103.177	98.241
12)	B 4,4'-DDE	6.195	5.375	456.4E6	2134.3E6	105.838	97.800
13)	MA Dieldrin	6.347	5.513	493.4E6	2143.9E6	103.861	96.917
14)	MA Endrin	6.574	5.789	423.8E6	2053.5E6	103.459	99.471
15)	B Endosulfa...	6.786	6.081	382.9E6	1847.3E6	95.682	96.784
16)	A 4,4'-DDD	6.705	5.930	355.7E6	1775.4E6	104.198	97.597
17)	MA 4,4'-DDT	7.020	6.184	392.8E6	1939.1E6	104.384	98.963
18)	B Endrin al...	6.915	6.259	296.4E6	1377.4E6	100.001	95.787
19)	B Endosulfa...	7.148	6.482	378.7E6	1792.6E6	101.211	96.935
20)	A Methoxychlor	7.493	6.755	192.6E6	971.2E6	97.699	94.672
21)	B Endrin ke...	7.629	6.992	405.0E6	1958.7E6	101.129	95.798
22)	Mirex	8.113	7.186	280.1E6	1495.3E6	96.467	95.966

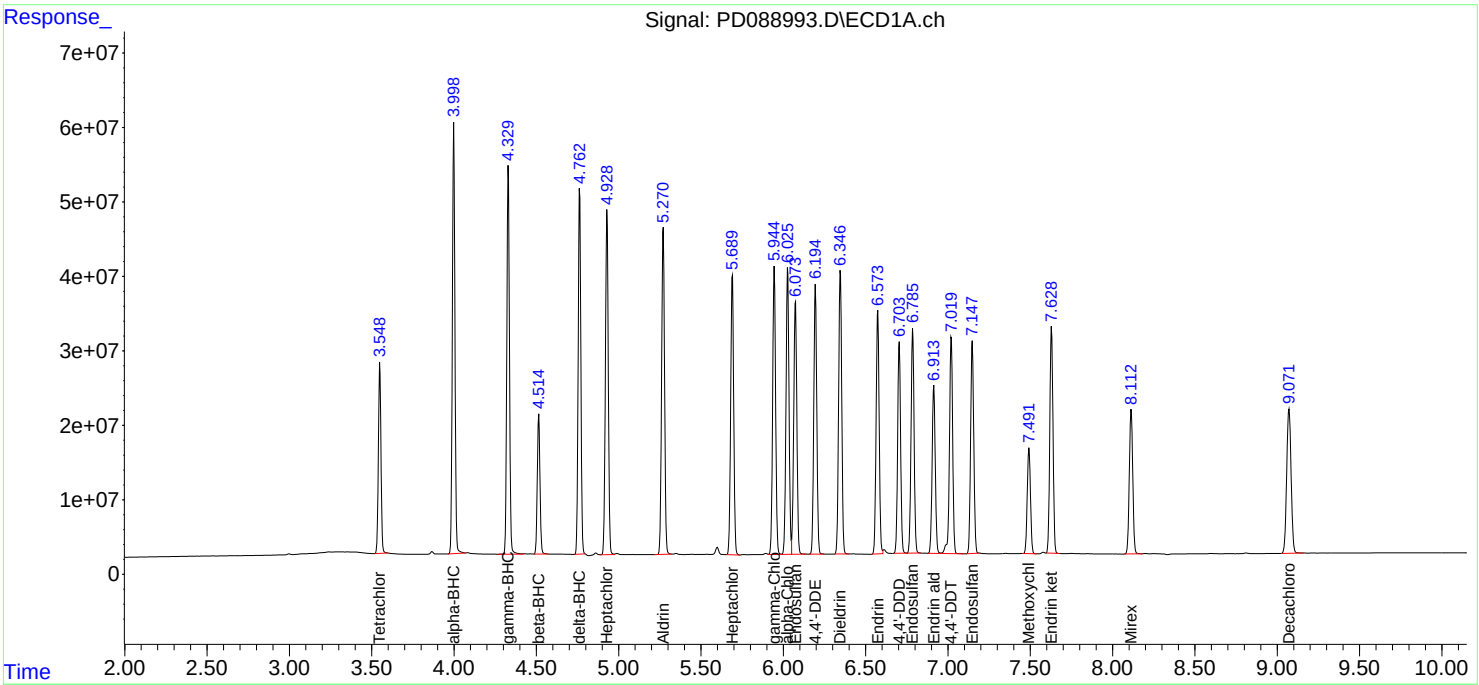
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

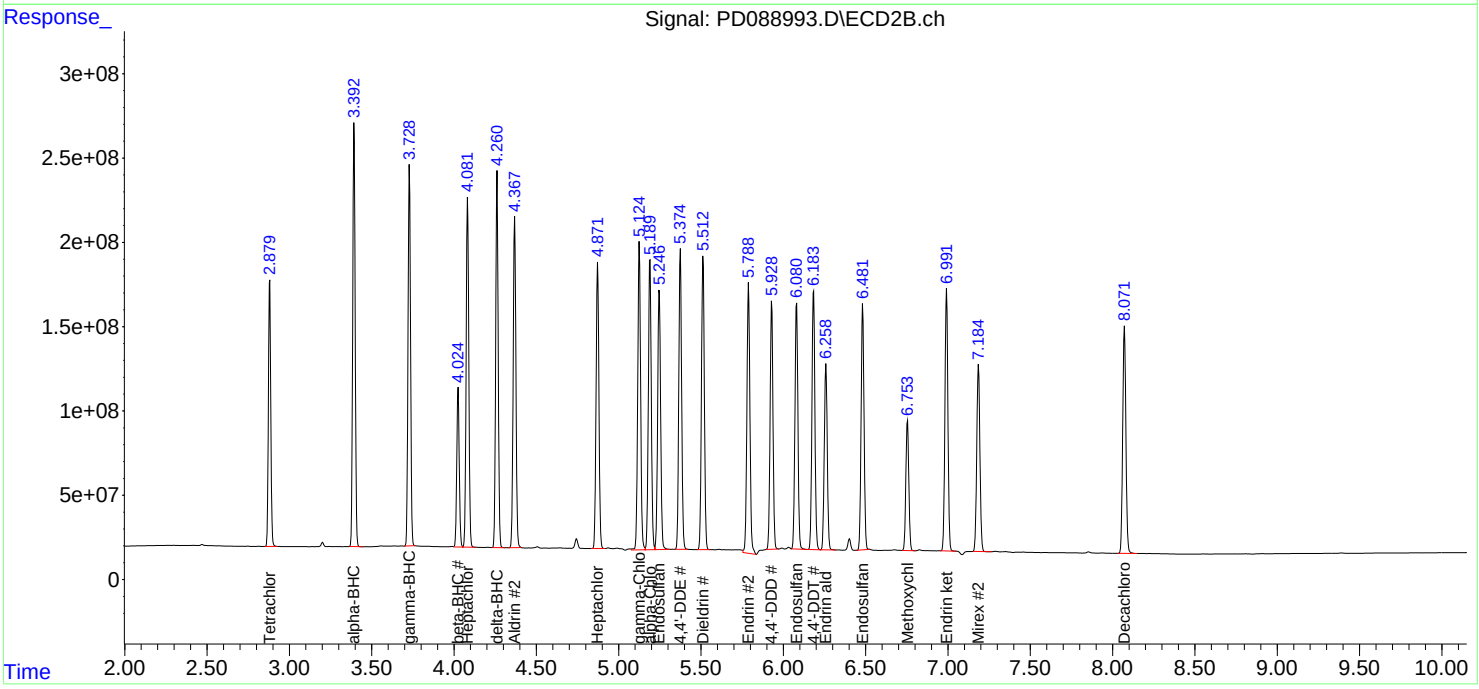
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

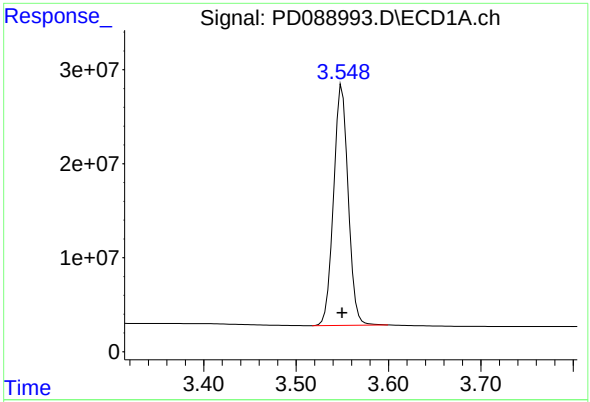
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



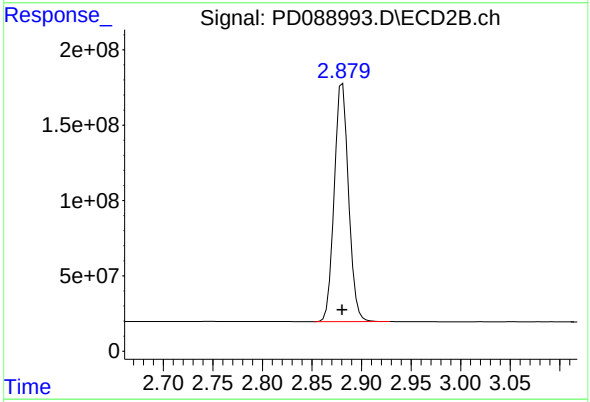




#1 Tetrachloro-m-xylene

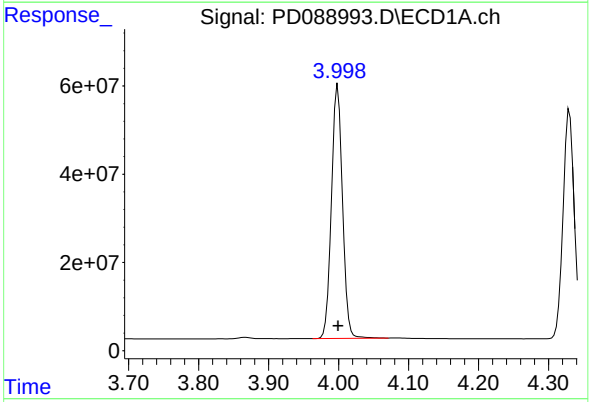
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 281230099
Conc: 101.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



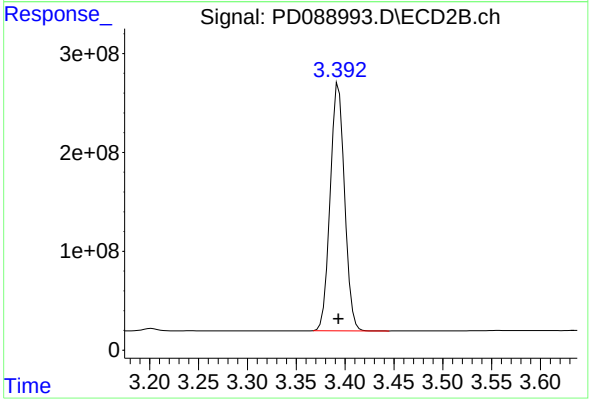
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 1587984504
Conc: 99.39 ng/ml



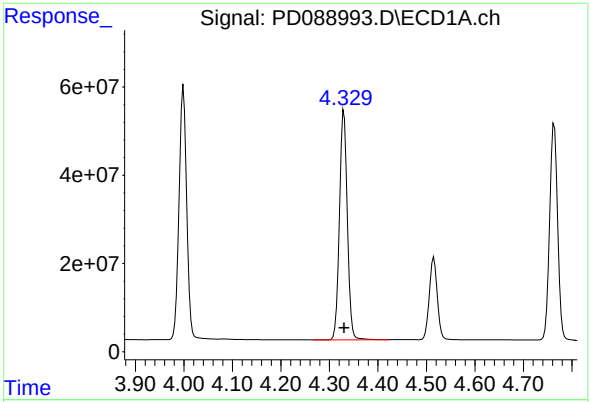
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 629537031
Conc: 107.16 ng/ml



#2 alpha-BHC

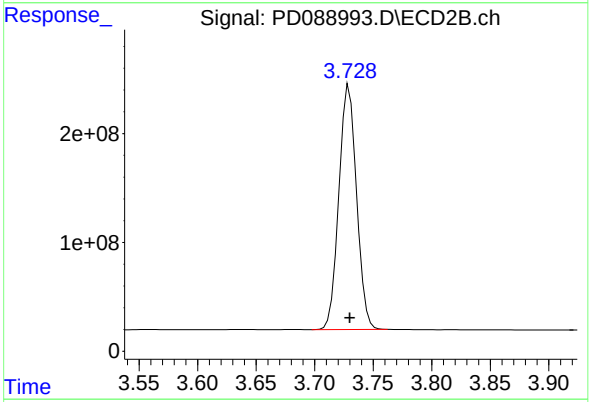
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 2564904212
Conc: 99.23 ng/ml



#3 gamma-BHC (Lindane)

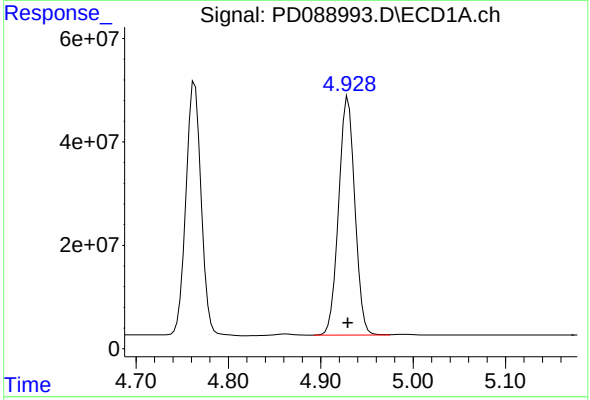
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 590083240
Conc: 106.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



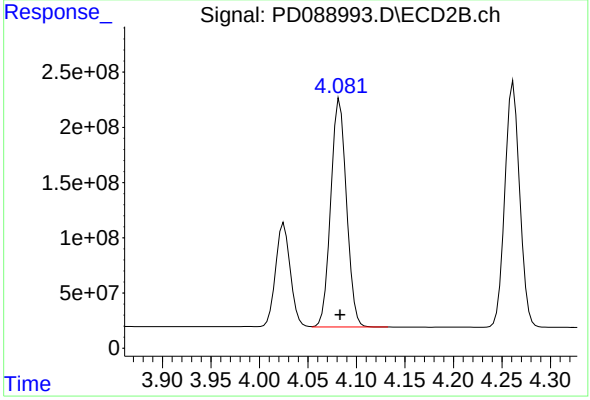
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 2362282640
Conc: 99.46 ng/ml



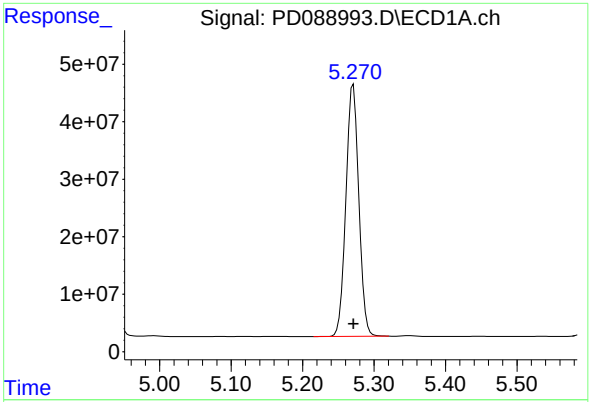
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 562184454
Conc: 104.91 ng/ml



#4 Heptachlor

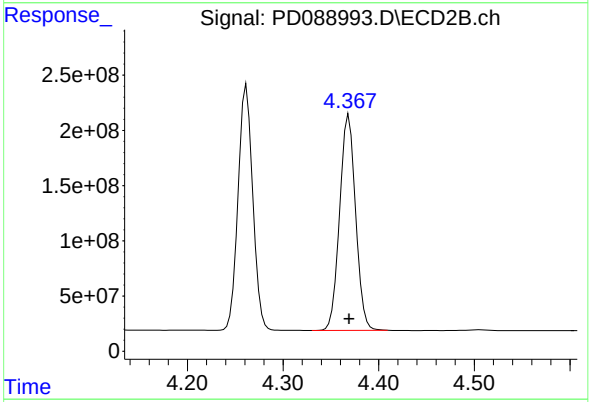
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 2329164229
Conc: 97.36 ng/ml



#5 Aldrin

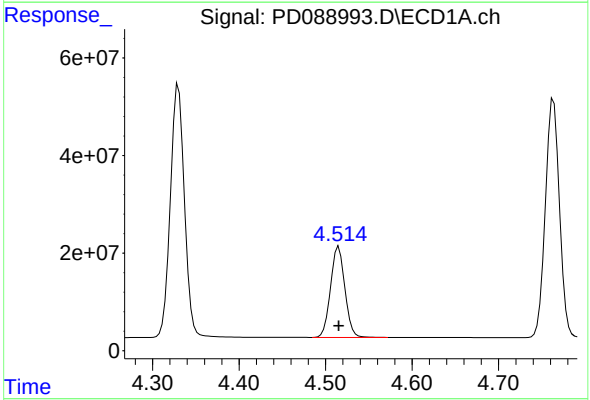
R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 550415221
Conc: 104.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



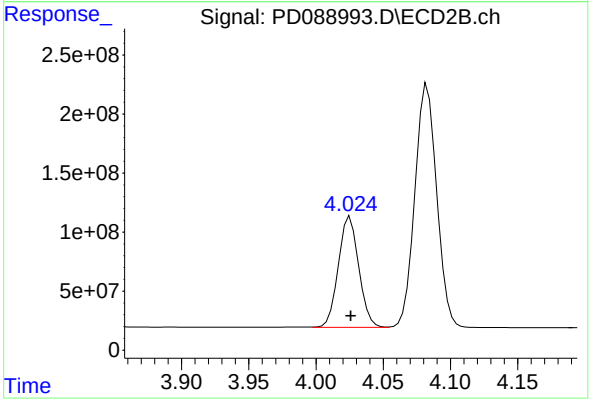
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 2271920394
Conc: 98.10 ng/ml



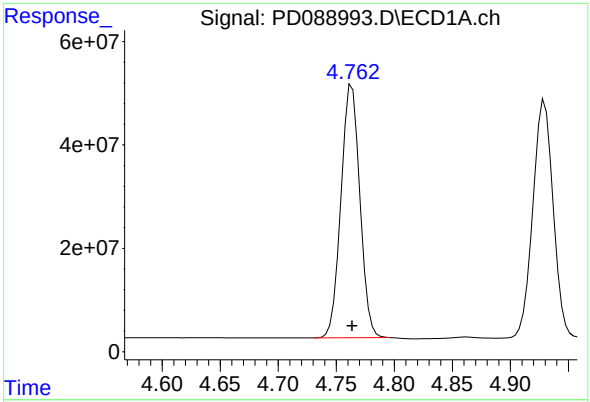
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 213675363
Conc: 99.96 ng/ml



#6 beta-BHC

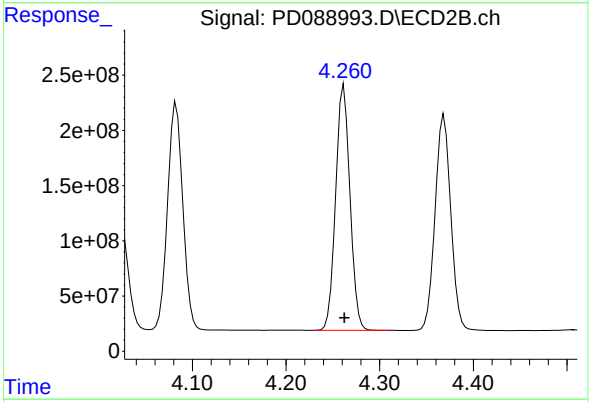
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 990363052
Conc: 97.11 ng/ml



#7 delta-BHC

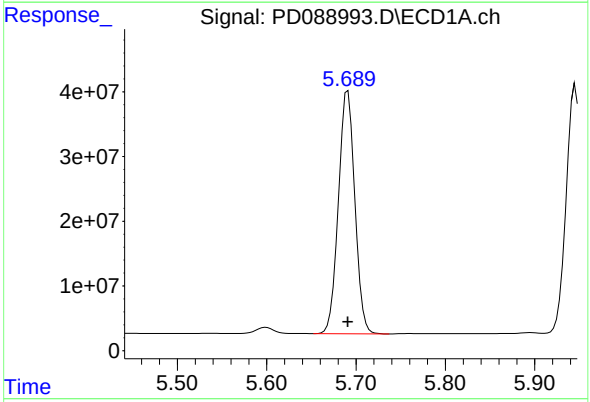
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 554627703
Conc: 107.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



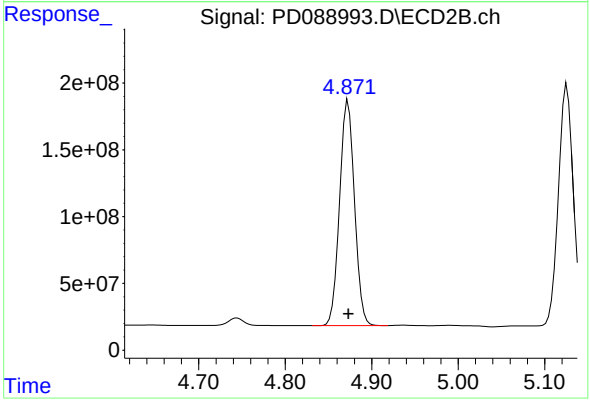
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 2361437920
Conc: 98.73 ng/ml



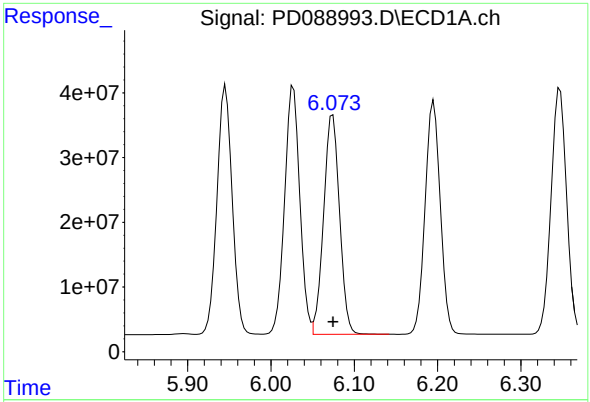
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 479484783
Conc: 100.95 ng/ml



#8 Heptachlor epoxide

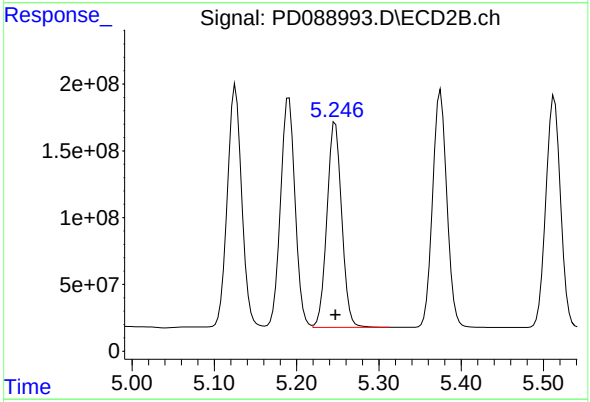
R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 2008056697
Conc: 96.41 ng/ml



#9 Endosulfan I

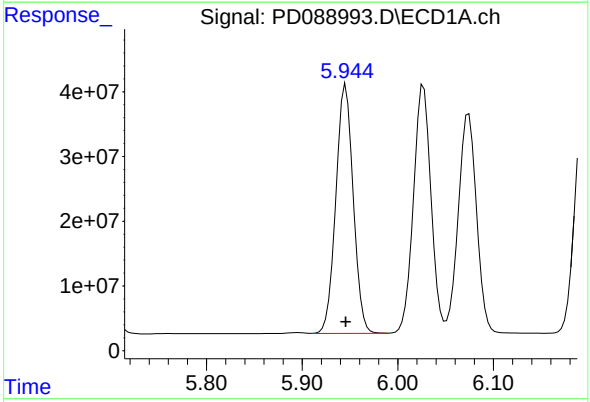
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 451120324
Conc: 102.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



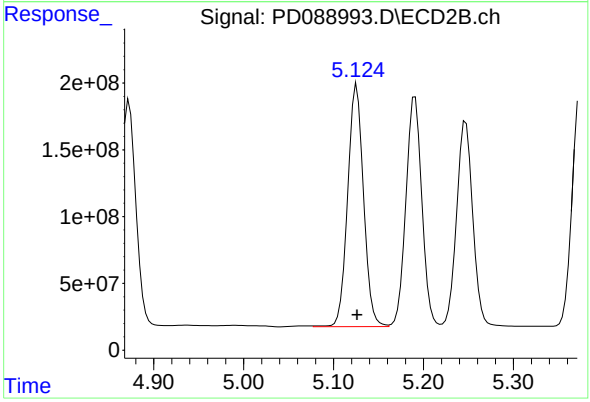
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 1917030222
Conc: 99.25 ng/ml



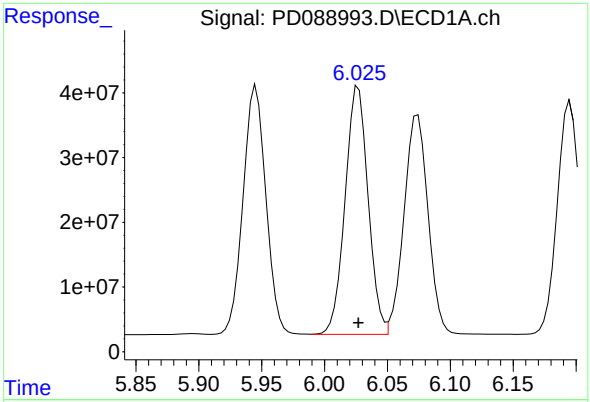
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 486932633
Conc: 103.25 ng/ml



#10 gamma-Chlordane

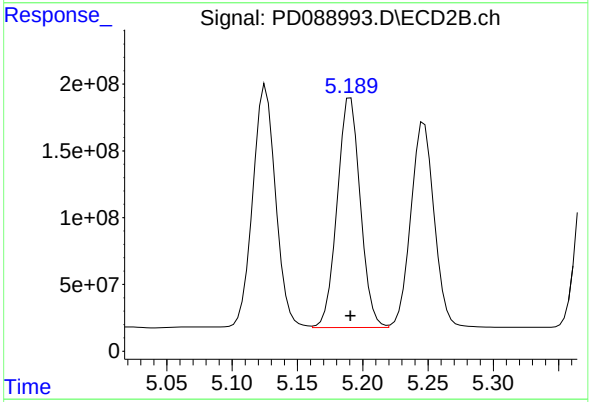
R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 2222907789
Conc: 98.71 ng/ml



#11 alpha-Chlordane

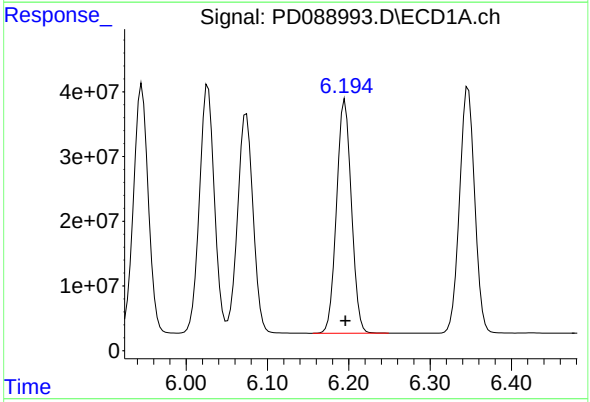
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 488505827
Conc: 103.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



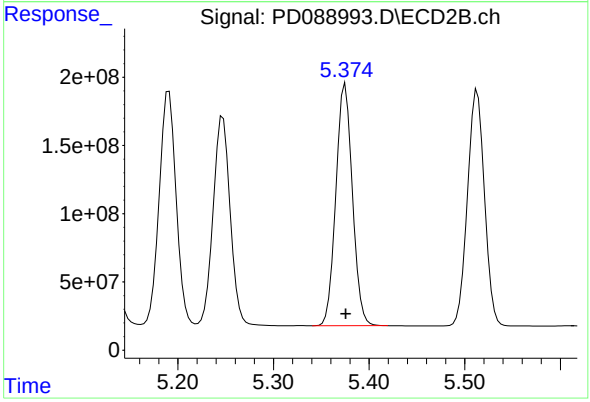
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: 0.000 min
Response: 2119132734
Conc: 98.24 ng/ml



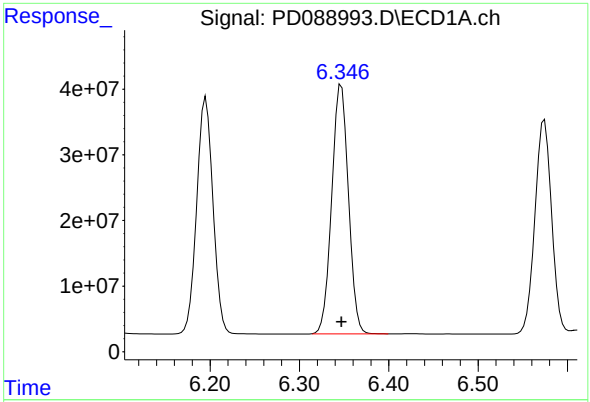
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 456412894
Conc: 105.84 ng/ml



#12 4,4'-DDE

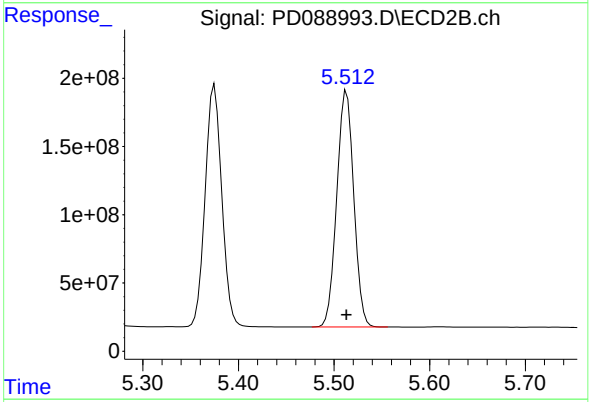
R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 2134348276
Conc: 97.80 ng/ml



#13 Dieldrin

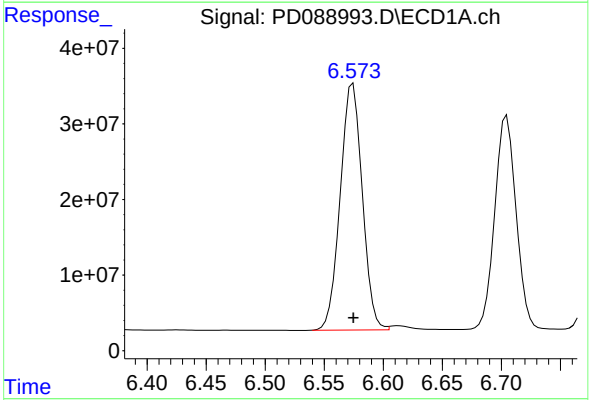
R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 493365417
Conc: 103.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



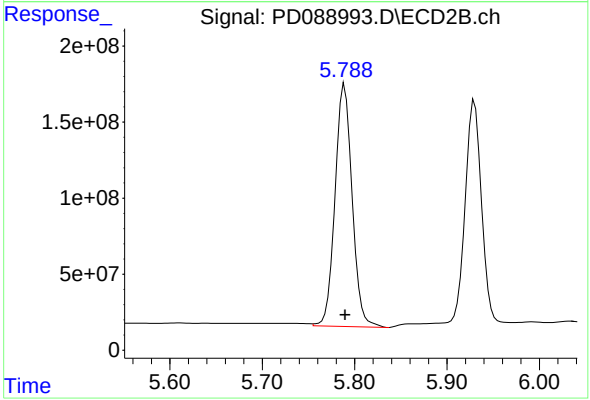
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 2143865182
Conc: 96.92 ng/ml



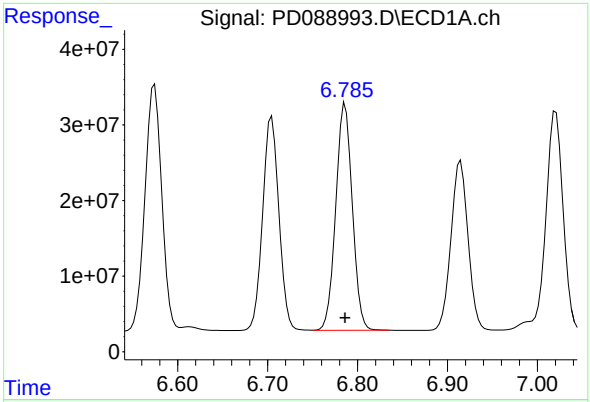
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 423813605
Conc: 103.46 ng/ml



#14 Endrin

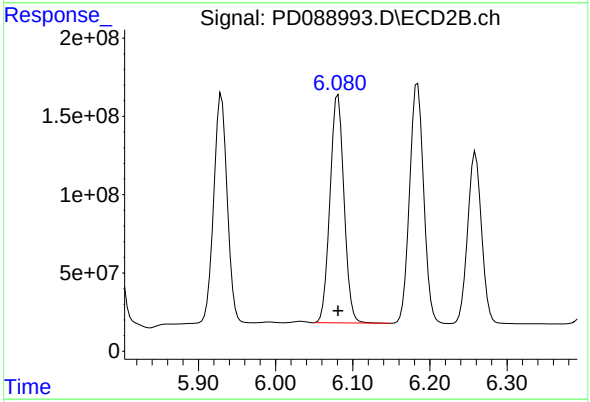
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 2053543156
Conc: 99.47 ng/ml



#15 Endosulfan II

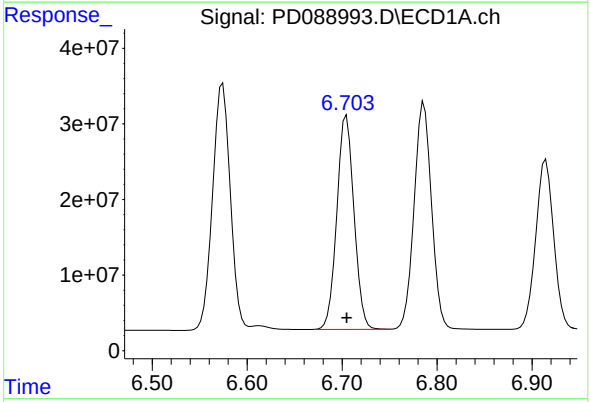
R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 382925911
Conc: 95.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



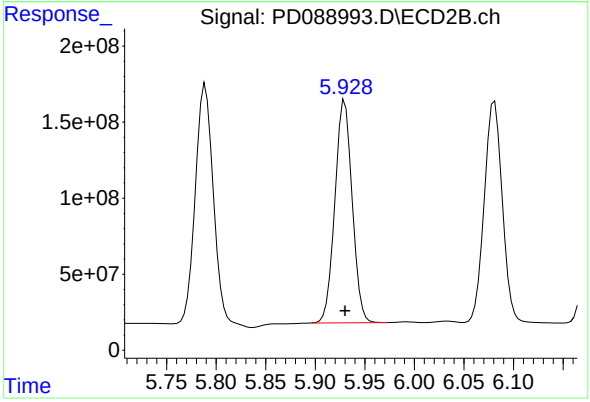
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 1847322584
Conc: 96.78 ng/ml



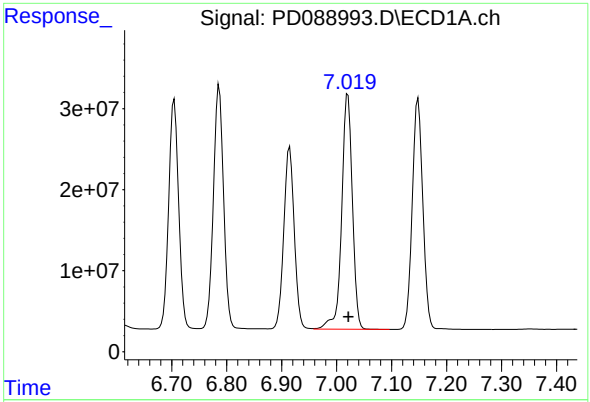
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 355745376
Conc: 104.20 ng/ml



#16 4,4'-DDD

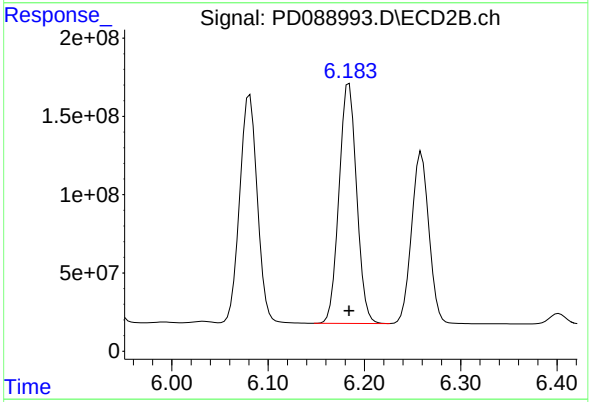
R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 1775406138
Conc: 97.60 ng/ml



#17 4,4'-DDT

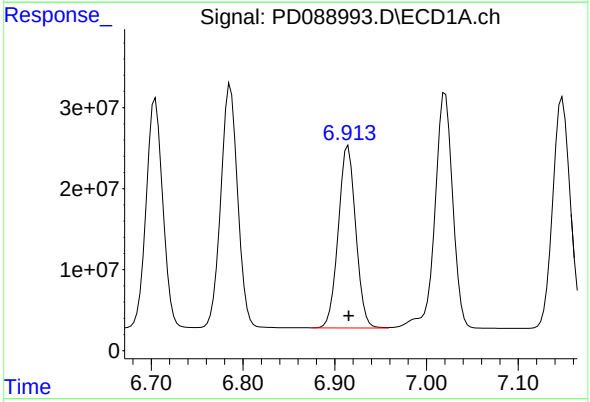
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 392843062
Conc: 104.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



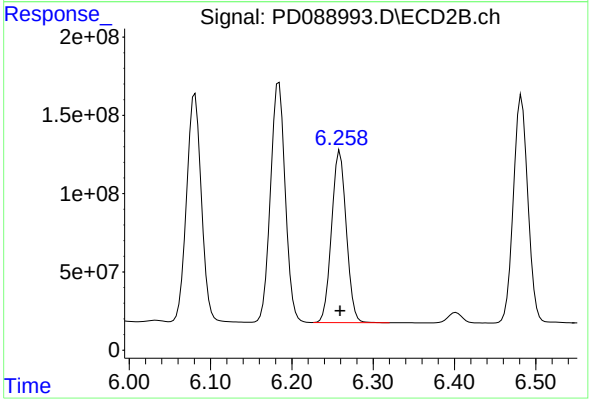
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 1939098616
Conc: 98.96 ng/ml



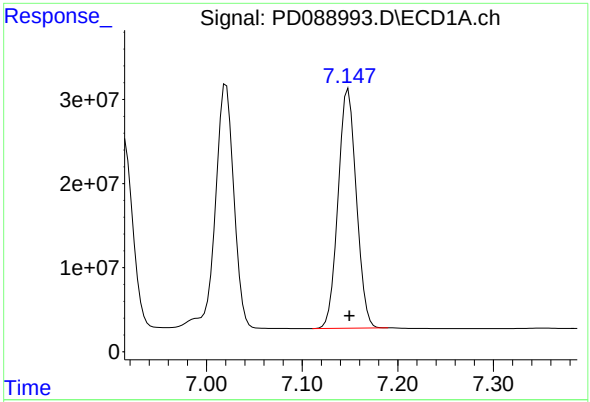
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 296426368
Conc: 100.00 ng/ml



#18 Endrin aldehyde

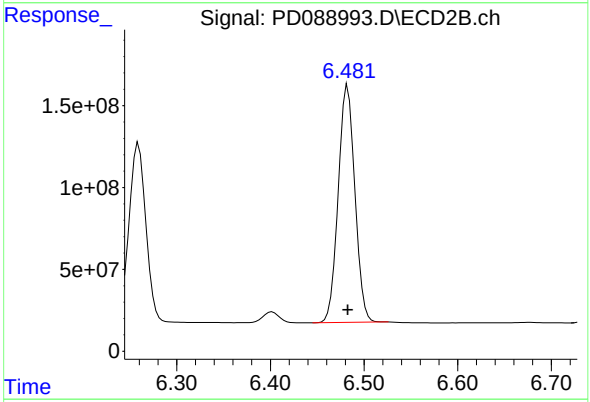
R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 1377356622
Conc: 95.79 ng/ml



#19 Endosulfan Sulfate

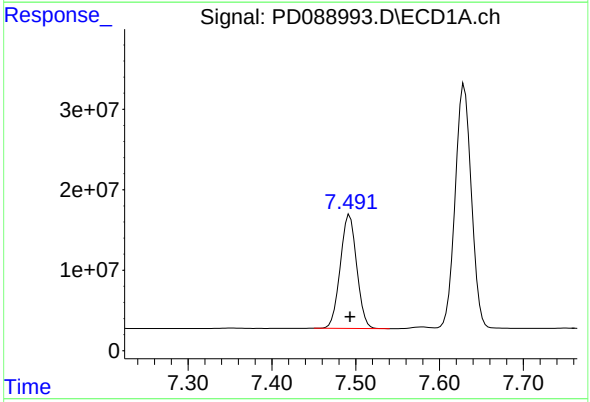
R.T.: 7.148 min
Delta R.T.: -0.001 min
Response: 378689916
Conc: 101.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



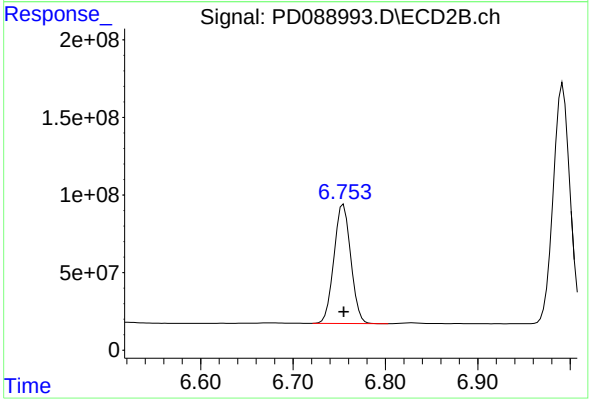
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 1792564702
Conc: 96.93 ng/ml



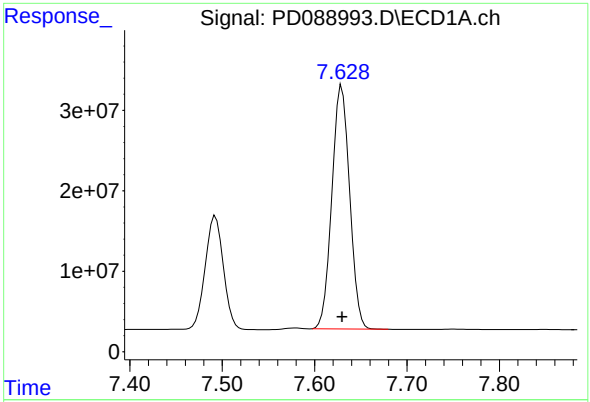
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 192611108
Conc: 97.70 ng/ml



#20 Methoxychlor

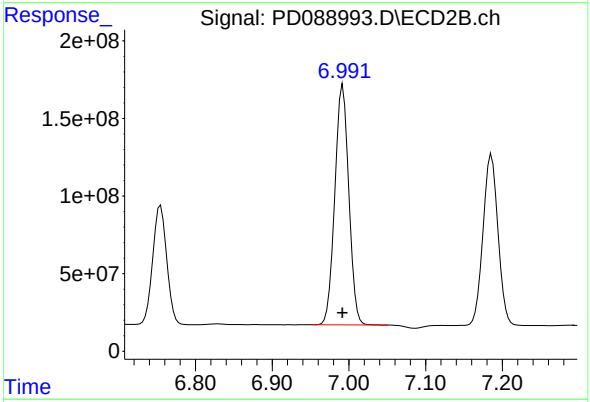
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 971245261
Conc: 94.67 ng/ml



#21 Endrin ketone

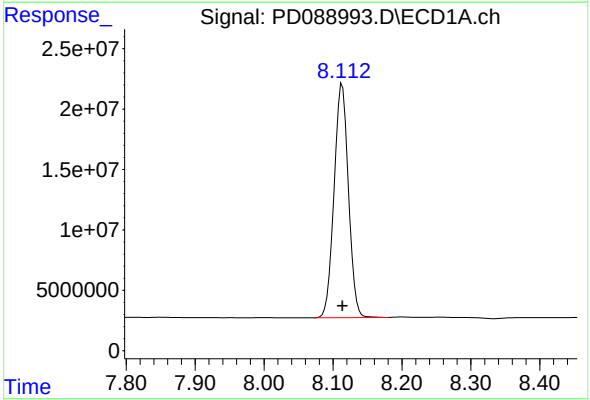
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 405010451
Conc: 101.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



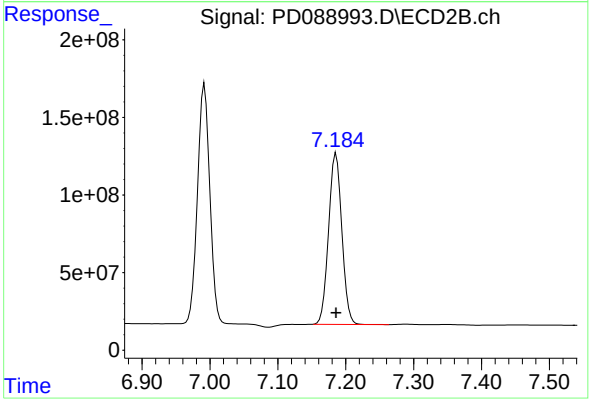
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 1958740333
Conc: 95.80 ng/ml



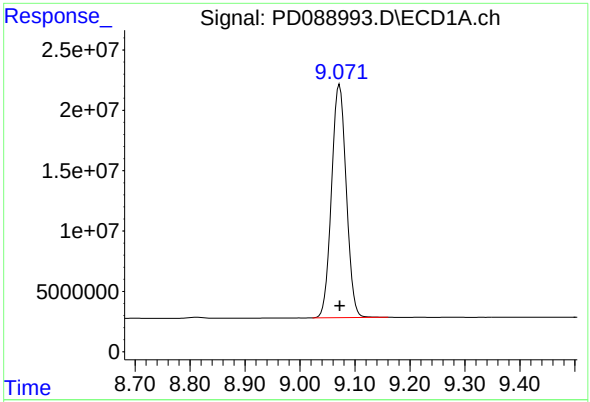
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 280058743
Conc: 96.47 ng/ml



#22 Mirex

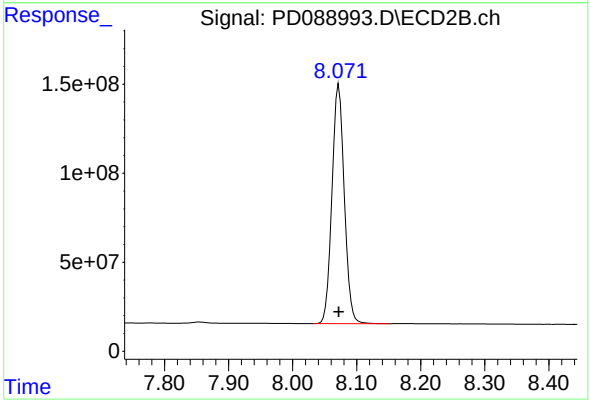
R.T.: 7.186 min
Delta R.T.: 0.000 min
Response: 1495308511
Conc: 95.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 359888720
Conc: 95.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 1794648467
Conc: 97.38 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
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: Jun 18 05:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.880	207.2E6	1190.0E6	74.858	74.476
28)	SA Decachlor...	9.072	8.072	272.1E6	1345.5E6	72.117	73.010
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	452.4E6	1907.9E6	77.005	73.809
3)	MA gamma-BHC...	4.330	3.729	426.5E6	1758.1E6	76.616	74.028
4)	MA Heptachlor	4.929	4.082	407.2E6	1752.4E6	75.993	73.254
5)	MB Aldrin	5.271	4.369	398.4E6	1706.1E6	75.826	73.667
6)	B beta-BHC	4.515	4.025	157.6E6	743.9E6	73.708	72.943
7)	B delta-BHC	4.764	4.262	396.9E6	1765.0E6	76.587	73.793
8)	B Heptachlo...	5.690	4.872	350.5E6	1518.9E6	73.799	72.928
9)	A Endosulfan I	6.074	5.247	330.4E6	1440.1E6	74.884	74.556
10)	B gamma-Chl...	5.945	5.125	360.1E6	1651.7E6	76.355	73.345
11)	B alpha-Chl...	6.026	5.190	356.9E6	1585.9E6	75.384	73.520
12)	B 4,4'-DDE	6.195	5.375	330.1E6	1608.0E6	76.545	73.682
13)	MA Dieldrin	6.346	5.513	359.8E6	1621.7E6	75.739	73.309
14)	MA Endrin	6.574	5.789	308.2E6	1493.0E6	75.240	72.319
15)	B Endosulfa...	6.785	6.080	298.7E6	1393.0E6	74.627	72.983
16)	A 4,4'-DDD	6.704	5.929	257.9E6	1342.5E6	75.552	73.799
17)	MA 4,4'-DDT	7.020	6.183	285.1E6	1449.6E6	75.769	73.981
18)	B Endrin al...	6.914	6.259	220.2E6	1044.0E6	74.277	72.605
19)	B Endosulfa...	7.149	6.482	278.9E6	1353.3E6	74.530	73.179
20)	A Methoxychlor	7.493	6.754	143.9E6	742.3E6	73.000	72.360
21)	B Endrin ke...	7.629	6.991	297.8E6	1486.9E6	74.361	72.720
22)	Mirex	8.113	7.185	210.7E6	1130.6E6	72.582	72.559

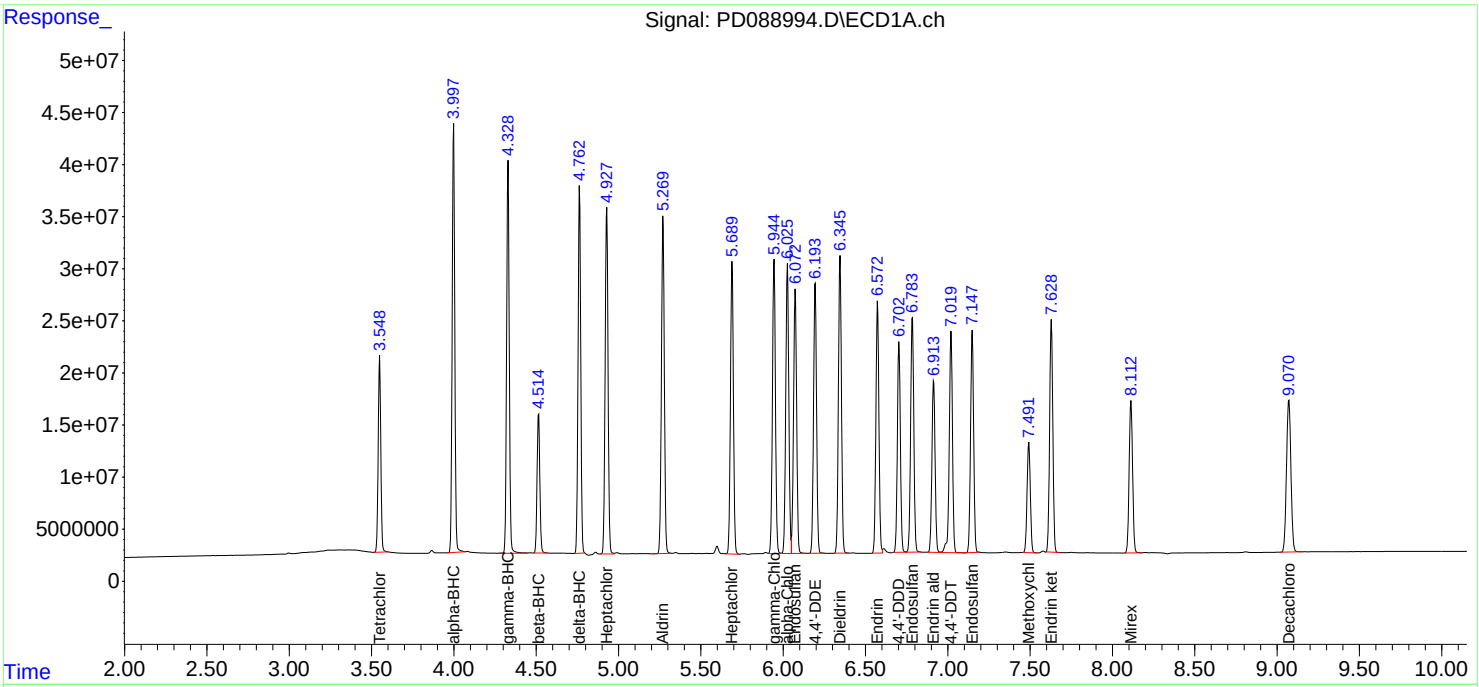
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

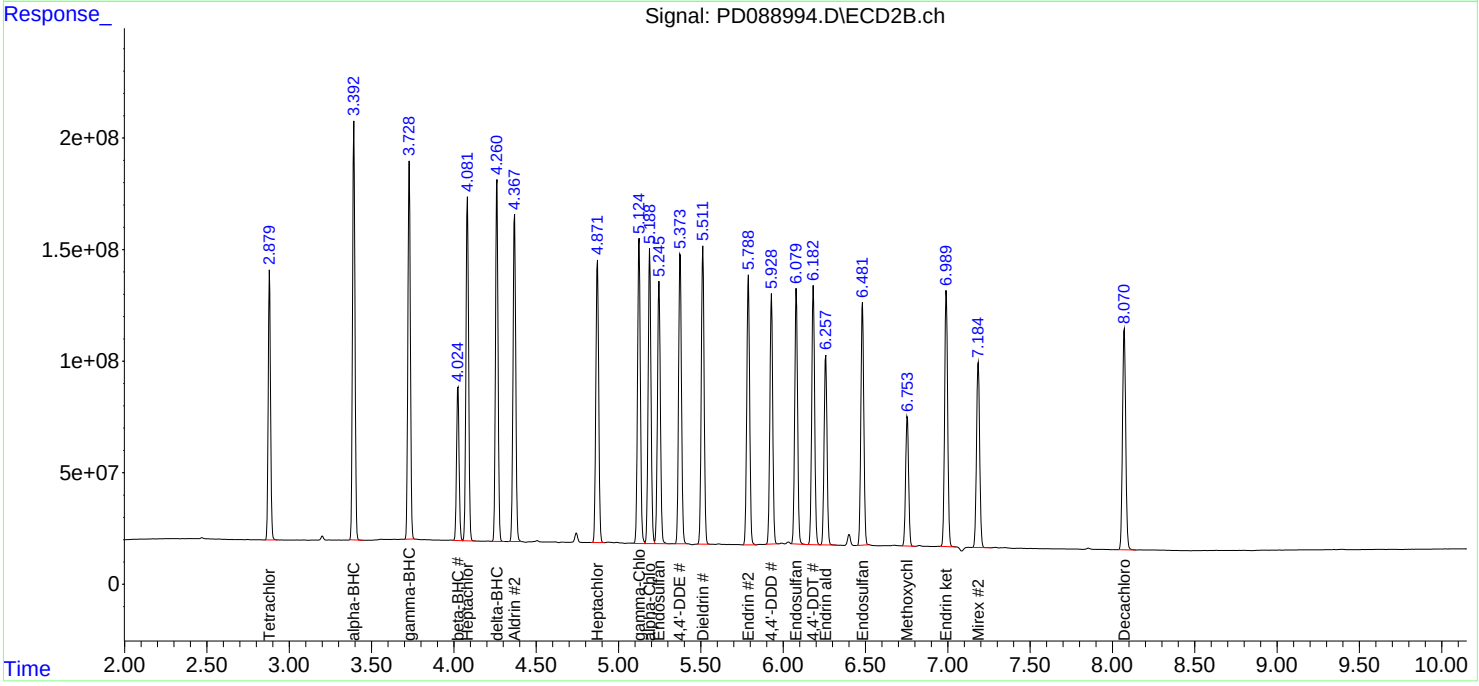
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

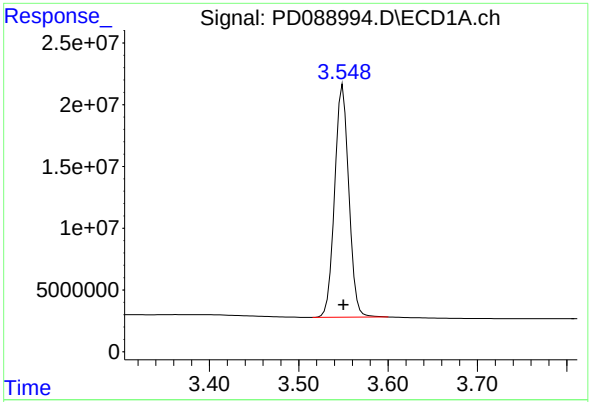
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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



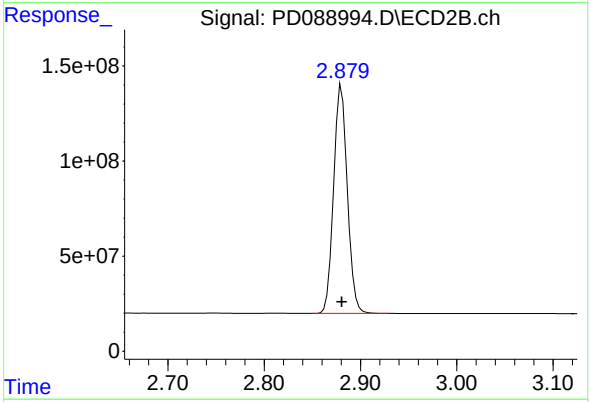




#1 Tetrachloro-m-xylene

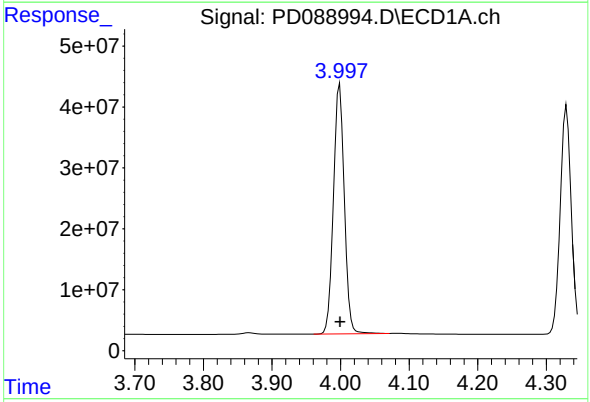
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 207152657
Conc: 74.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



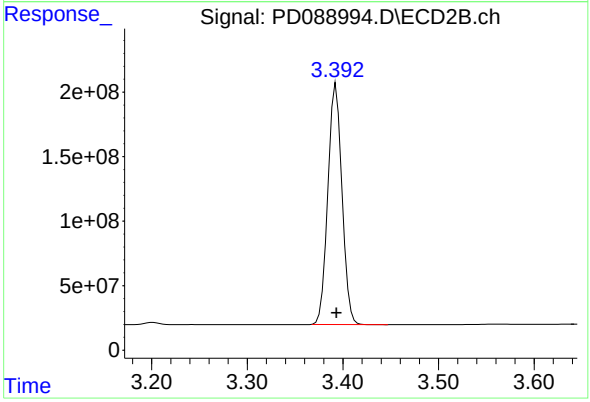
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 1189979630
Conc: 74.48 ng/ml



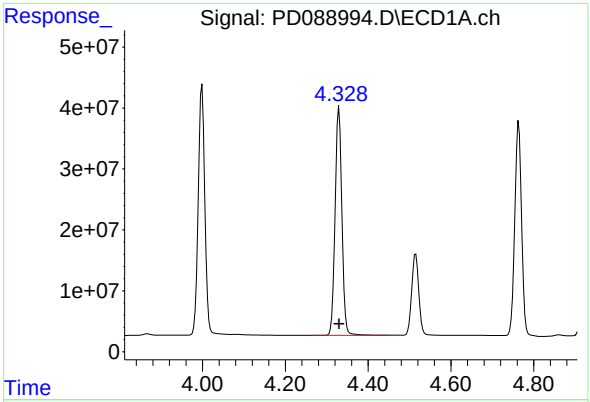
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 452384307
Conc: 77.00 ng/ml



#2 alpha-BHC

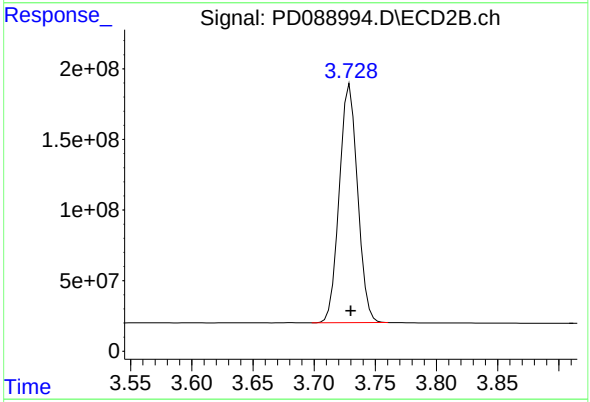
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1907904338
Conc: 73.81 ng/ml



#3 gamma-BHC (Lindane)

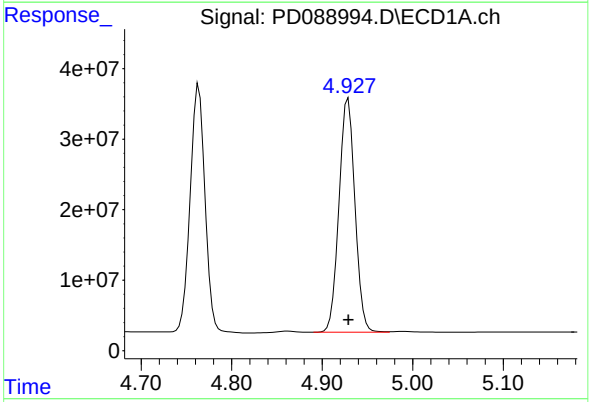
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 426487940
Conc: 76.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



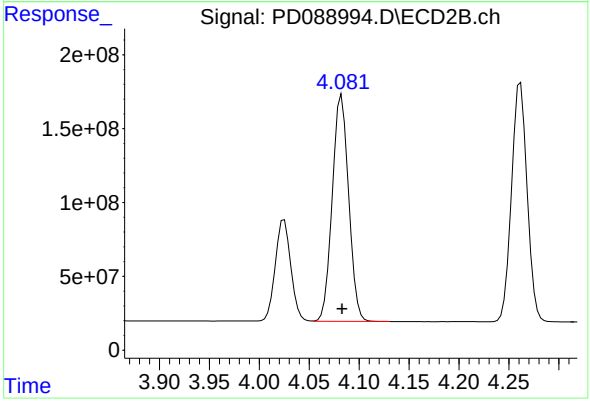
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1758148742
Conc: 74.03 ng/ml



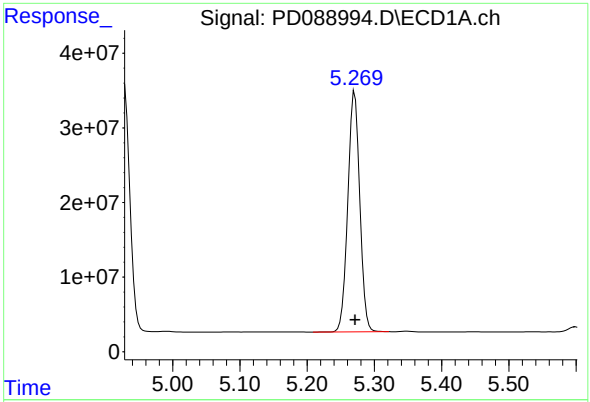
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 407215790
Conc: 75.99 ng/ml



#4 Heptachlor

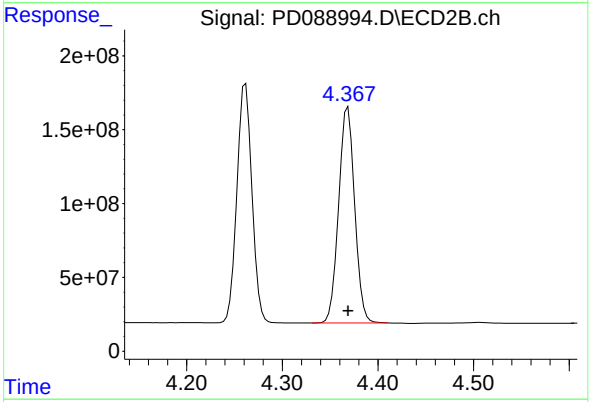
R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1752388564
Conc: 73.25 ng/ml



#5 Aldrin

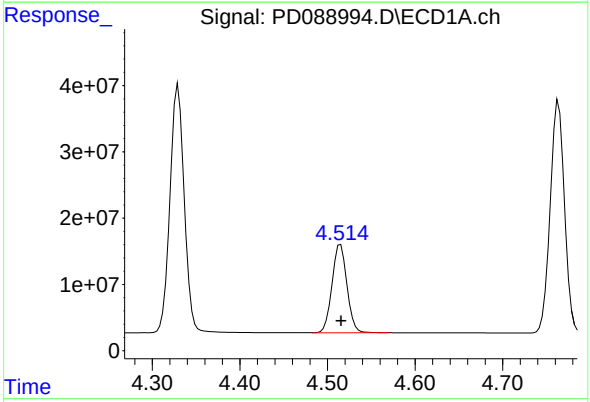
R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 398448173
Conc: 75.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



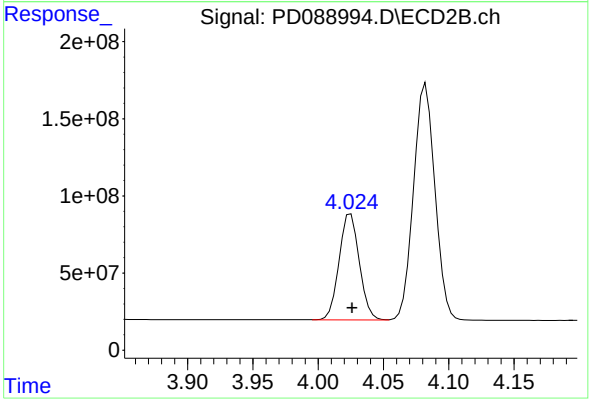
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 1706080402
Conc: 73.67 ng/ml



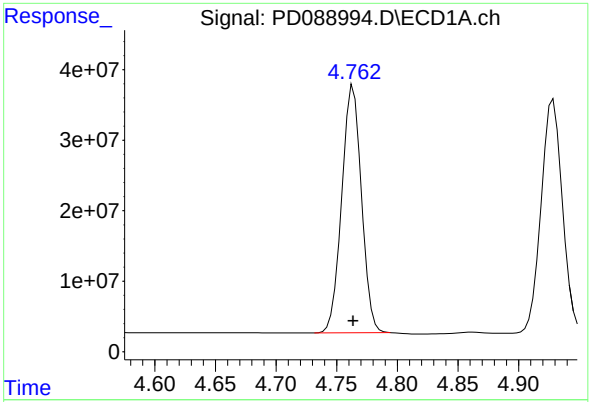
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 157564245
Conc: 73.71 ng/ml



#6 beta-BHC

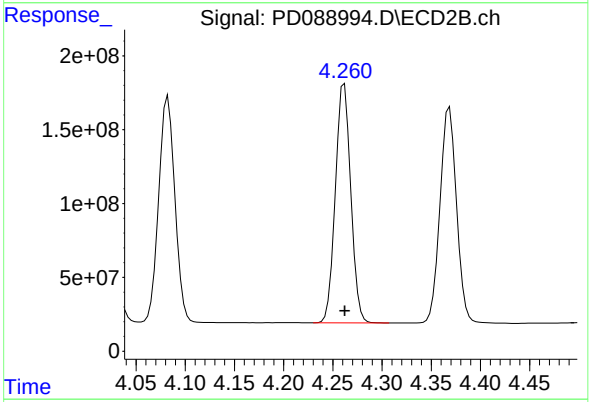
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 743891518
Conc: 72.94 ng/ml



#7 delta-BHC

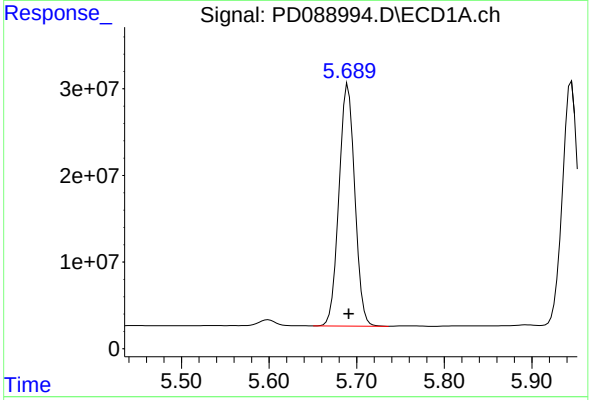
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 396900888
Conc: 76.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



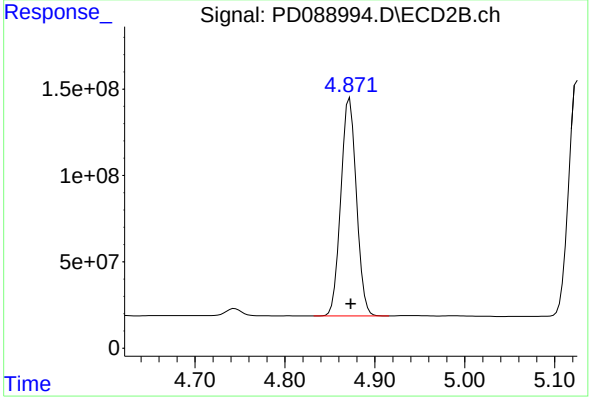
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1765027065
Conc: 73.79 ng/ml



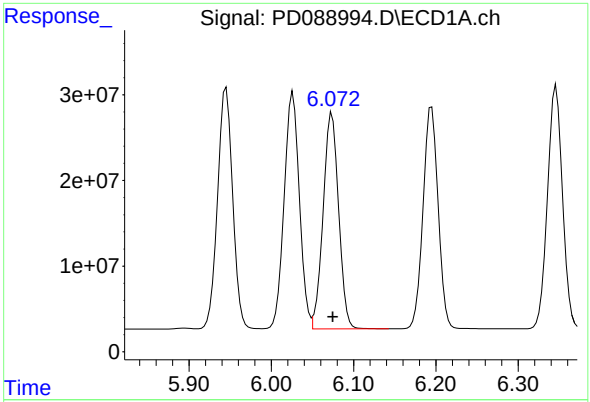
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 350520588
Conc: 73.80 ng/ml



#8 Heptachlor epoxide

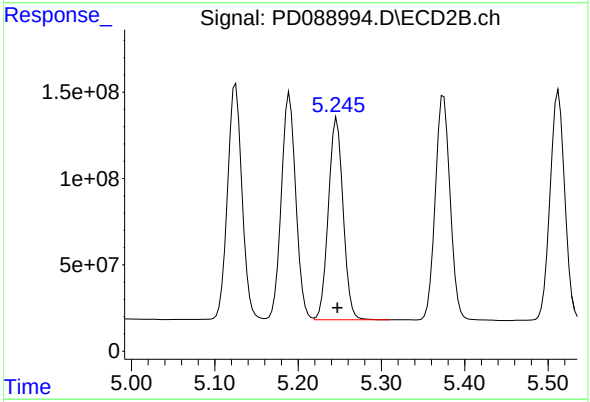
R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1518894913
Conc: 72.93 ng/ml



#9 Endosulfan I

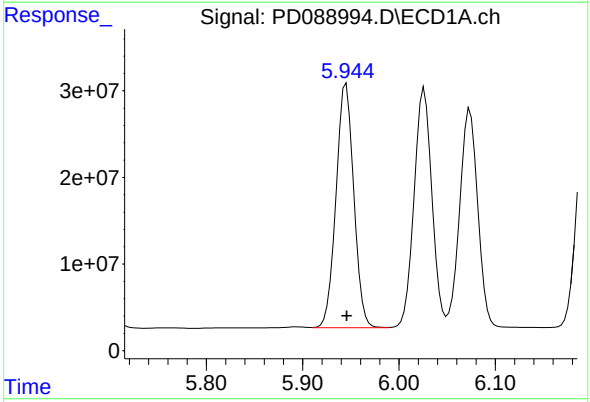
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 330432829
Conc: 74.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



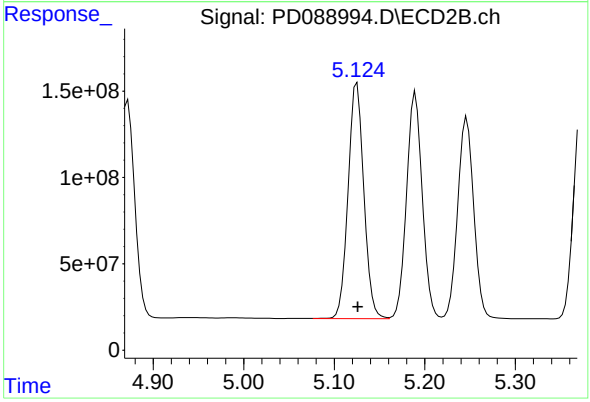
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 1440078652
Conc: 74.56 ng/ml



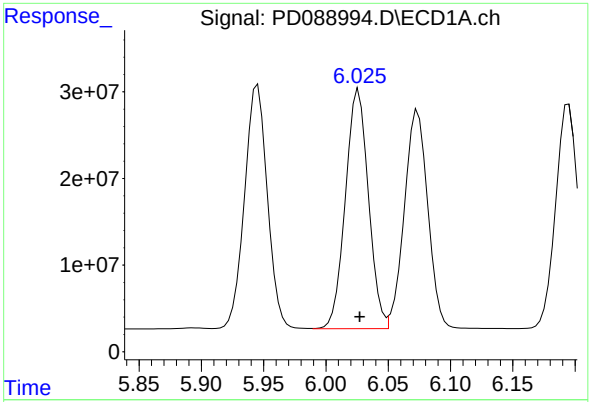
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 360097640
Conc: 76.35 ng/ml



#10 gamma-Chlordane

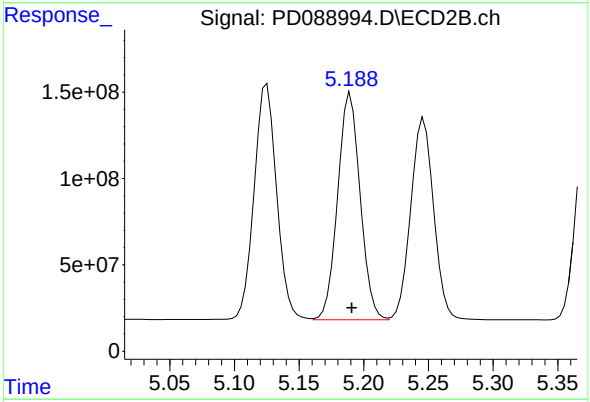
R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1651690074
Conc: 73.34 ng/ml



#11 alpha-Chlordane

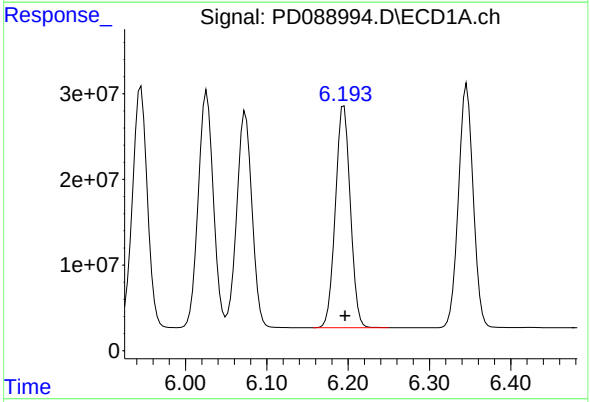
R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 356917386
Conc: 75.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



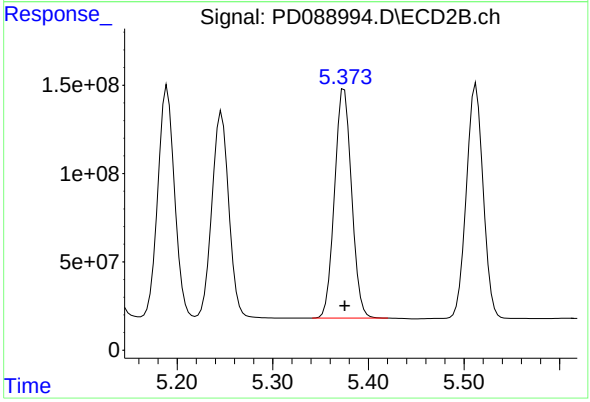
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1585900031
Conc: 73.52 ng/ml



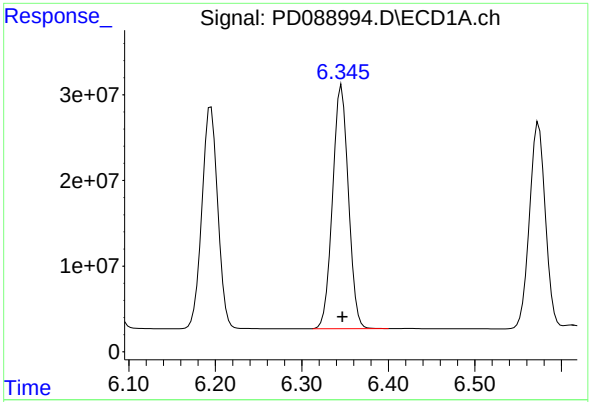
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.001 min
Response: 330092856
Conc: 76.55 ng/ml



#12 4,4'-DDE

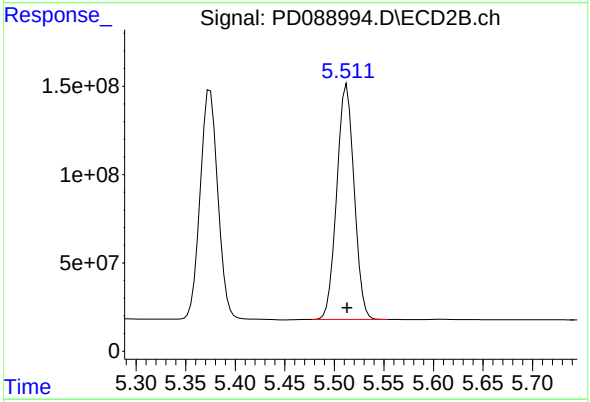
R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1608014094
Conc: 73.68 ng/ml



#13 Dieldrin

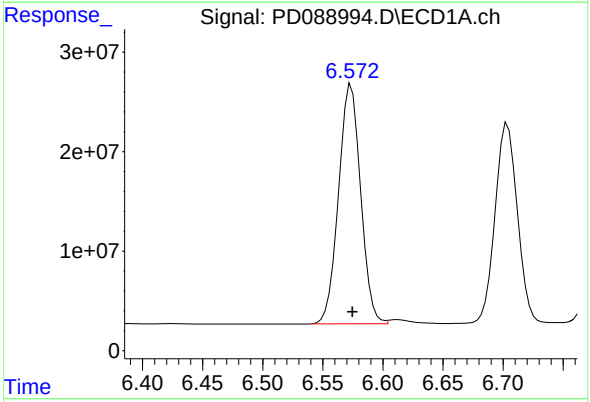
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 359781341
Conc: 75.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



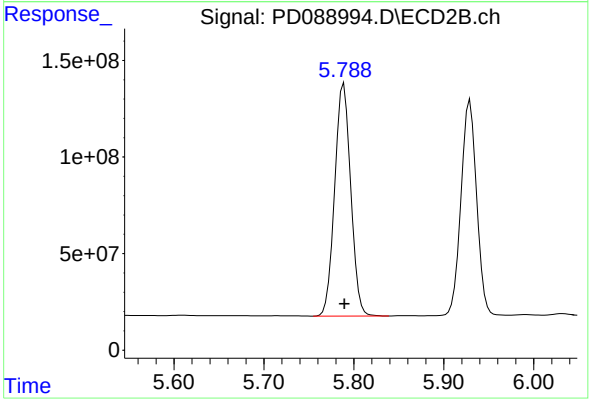
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 1621651664
Conc: 73.31 ng/ml



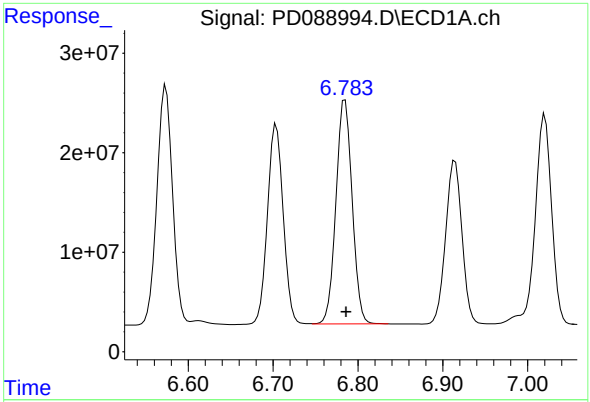
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 308215849
Conc: 75.24 ng/ml



#14 Endrin

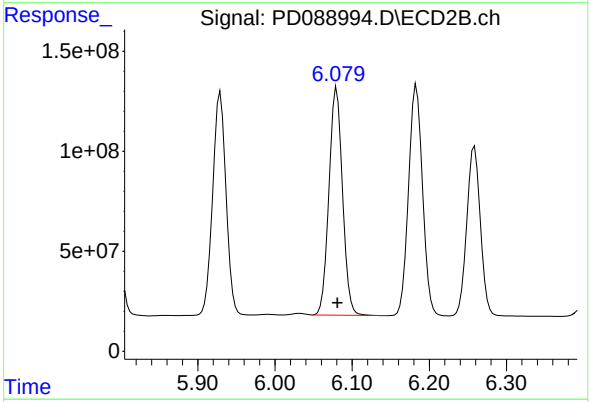
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1492996330
Conc: 72.32 ng/ml



#15 Endosulfan II

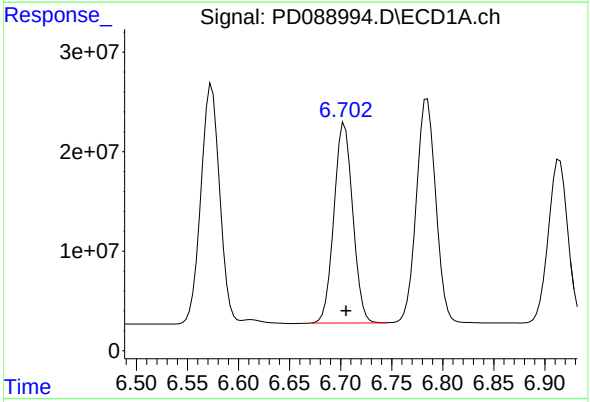
R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 298663515
Conc: 74.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



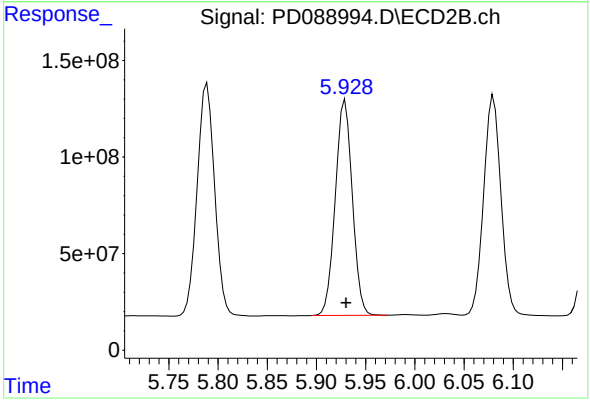
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 1393034034
Conc: 72.98 ng/ml



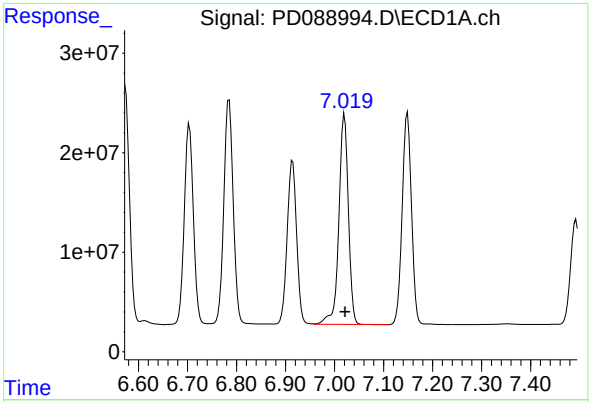
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 257942485
Conc: 75.55 ng/ml



#16 4,4'-DDD

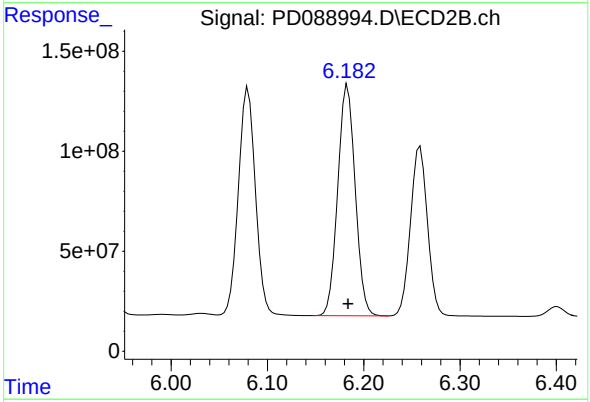
R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 1342479356
Conc: 73.80 ng/ml



#17 4,4'-DDT

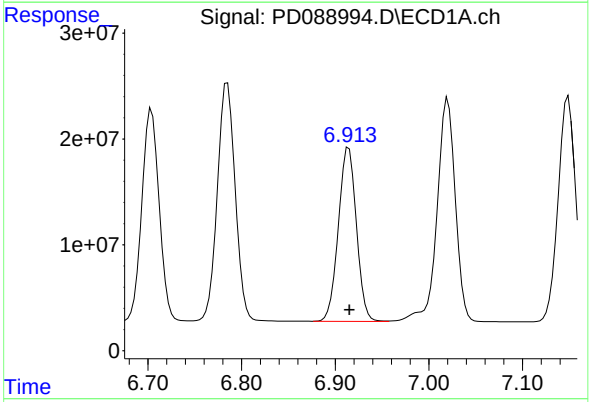
R.T.: 7.020 min
Delta R.T.: -0.001 min
Response: 285149854
Conc: 75.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



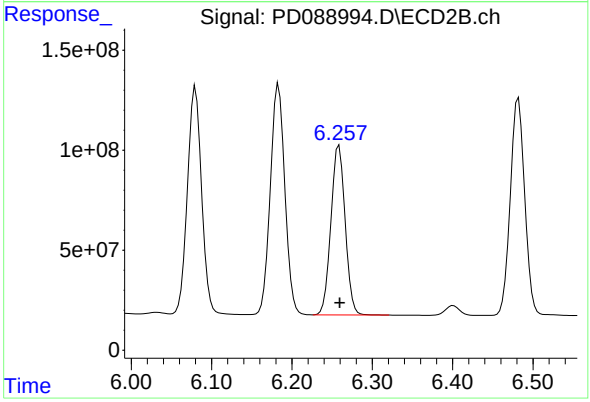
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 1449586727
Conc: 73.98 ng/ml



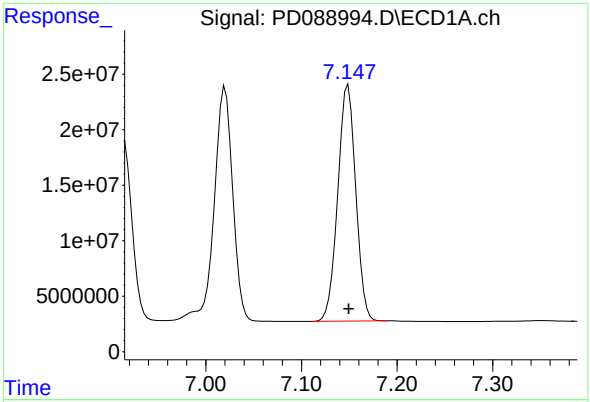
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 220175101
Conc: 74.28 ng/ml



#18 Endrin aldehyde

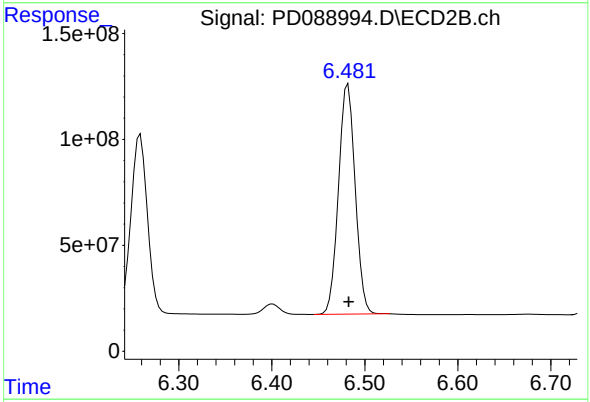
R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 1044015730
Conc: 72.60 ng/ml



#19 Endosulfan Sulfate

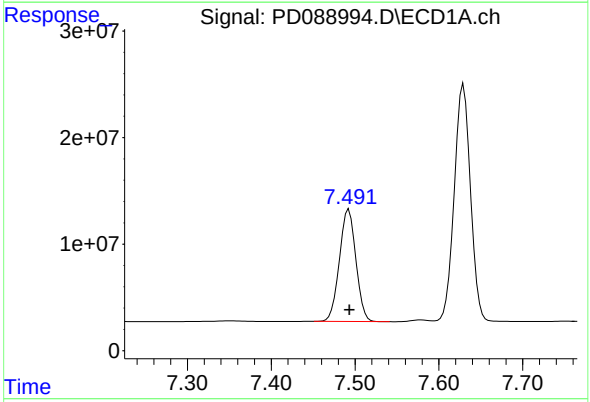
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 278861978
Conc: 74.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



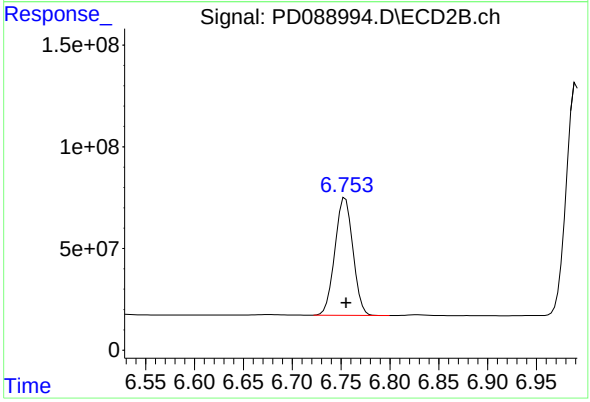
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 1353261175
Conc: 73.18 ng/ml



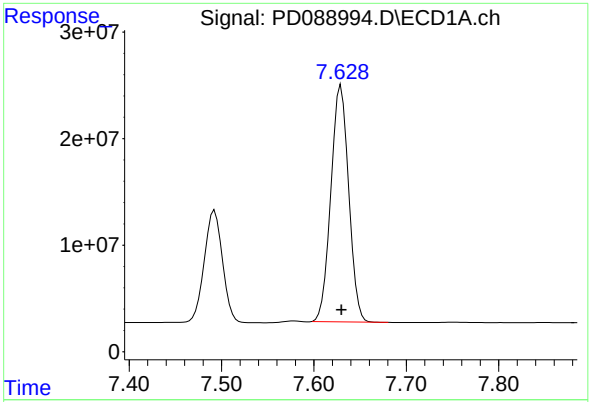
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 143917096
Conc: 73.00 ng/ml



#20 Methoxychlor

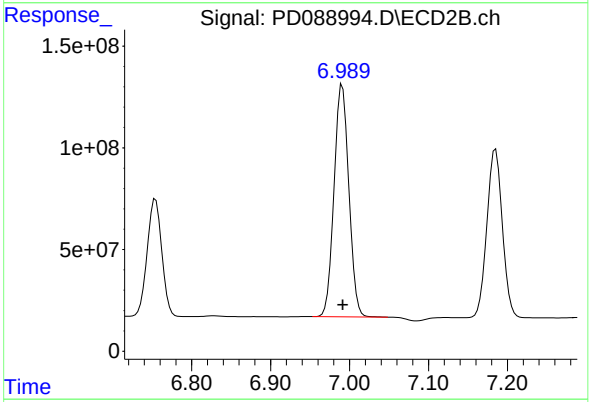
R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 742340724
Conc: 72.36 ng/ml



#21 Endrin ketone

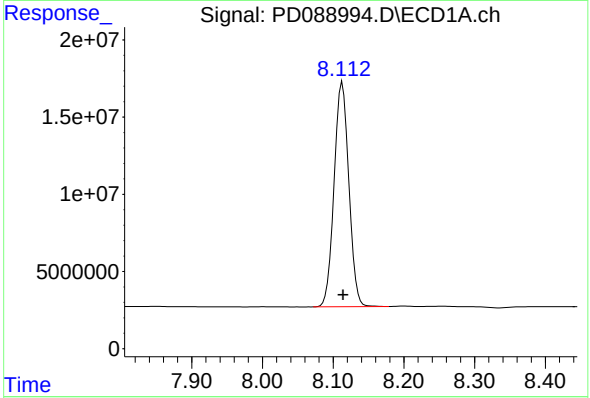
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 297810417
Conc: 74.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



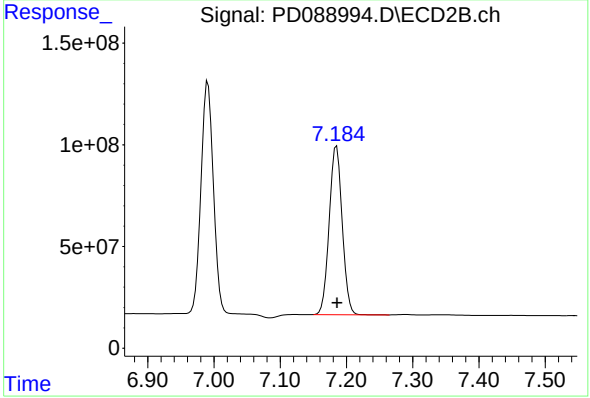
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 1486867330
Conc: 72.72 ng/ml



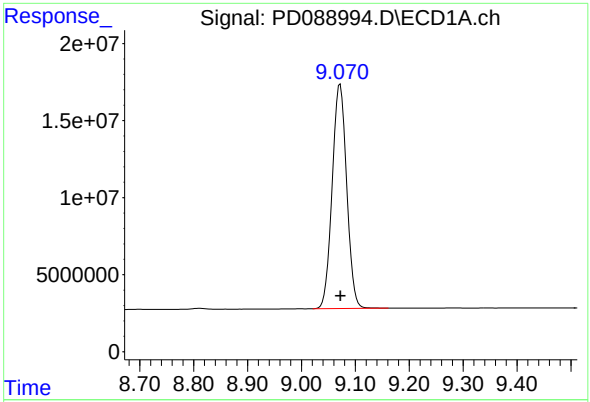
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 210714935
Conc: 72.58 ng/ml



#22 Mirex

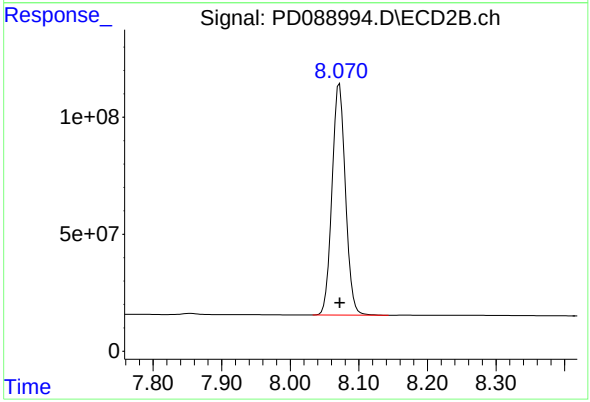
R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 1130586450
Conc: 72.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 272111120
Conc: 72.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 1345476543
Conc: 73.01 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
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: Jun 18 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	138.4E6	798.9E6	50.000	50.000
28)	SA Decachlor...	9.072	8.072	188.7E6	921.4E6	50.000	50.000
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	293.7E6	1292.5E6	50.000	50.000
3)	MA gamma-BHC...	4.330	3.730	278.3E6	1187.5E6	50.000	50.000
4)	MA Heptachlor	4.929	4.083	267.9E6	1196.1E6	50.000	50.000
5)	MB Aldrin	5.271	4.369	262.7E6	1158.0E6	50.000	50.000
6)	B beta-BHC	4.515	4.026	106.9E6	509.9E6	50.000	50.000
7)	B delta-BHC	4.764	4.262	259.1E6	1195.9E6	50.000	50.000
8)	B Heptachlo...	5.691	4.873	237.5E6	1041.4E6	50.000	50.000
9)	A Endosulfan I	6.075	5.247	220.6E6	965.8E6	50.000	50.000
10)	B gamma-Chl...	5.946	5.126	235.8E6	1126.0E6	50.000	50.000
11)	B alpha-Chl...	6.027	5.191	236.7E6	1078.5E6	50.000	50.000
12)	B 4,4'-DDE	6.196	5.375	215.6E6	1091.2E6	50.000	50.000
13)	MA Dieldrin	6.347	5.513	237.5E6	1106.0E6	50.000	50.000
14)	MA Endrin	6.575	5.789	204.8E6	1032.2E6	50.000	50.000
15)	B Endosulfa...	6.786	6.081	200.1E6	954.4E6	50.000	50.000
16)	A 4,4'-DDD	6.705	5.930	170.7E6	909.6E6	50.000	50.000
17)	MA 4,4'-DDT	7.021	6.184	188.2E6	979.7E6	50.000	50.000
18)	B Endrin al...	6.915	6.259	148.2E6	719.0E6	50.000	50.000
19)	B Endosulfa...	7.149	6.483	187.1E6	924.6E6	50.000	50.000
20)	A Methoxychlor	7.493	6.755	98574001	513.0E6	50.000	50.000
21)	B Endrin ke...	7.630	6.992	200.2E6	1022.3E6	50.000	50.000
22)	Mirex	8.114	7.186	145.2E6	779.1E6	50.000	50.000

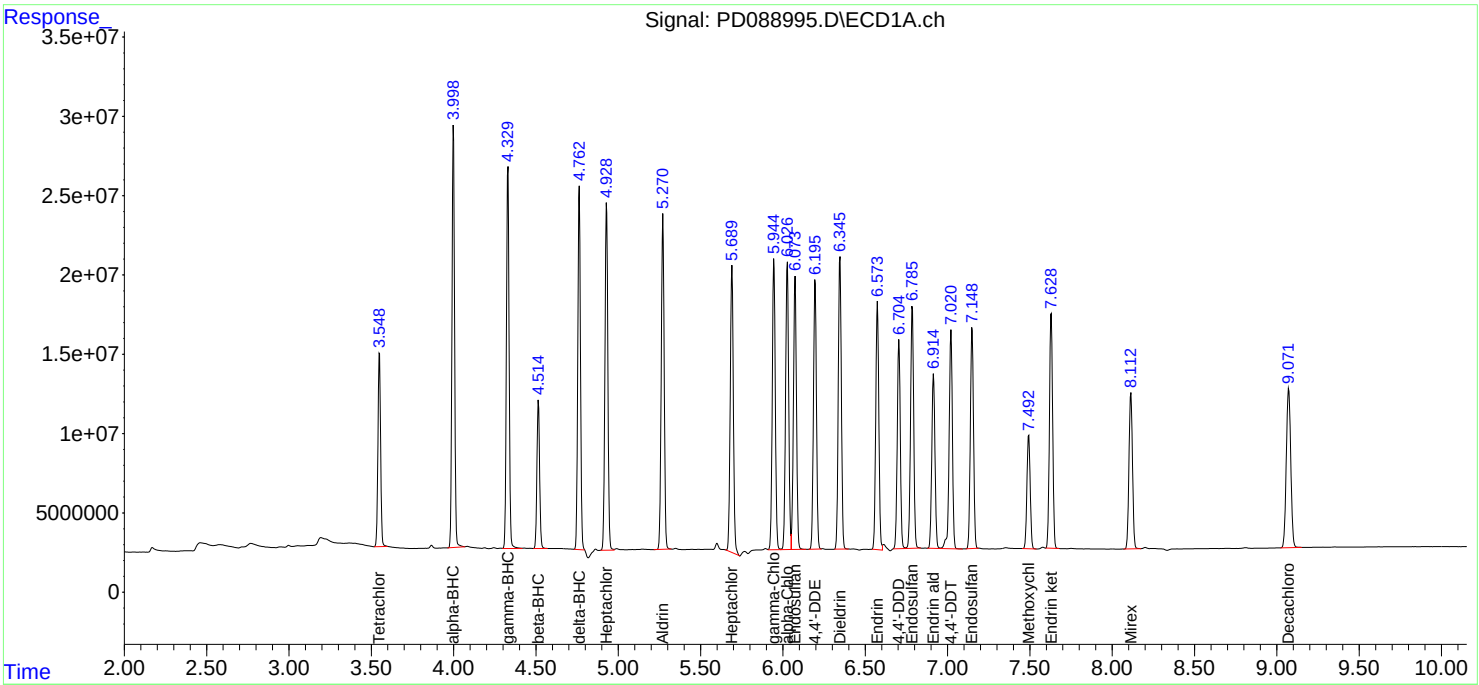
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

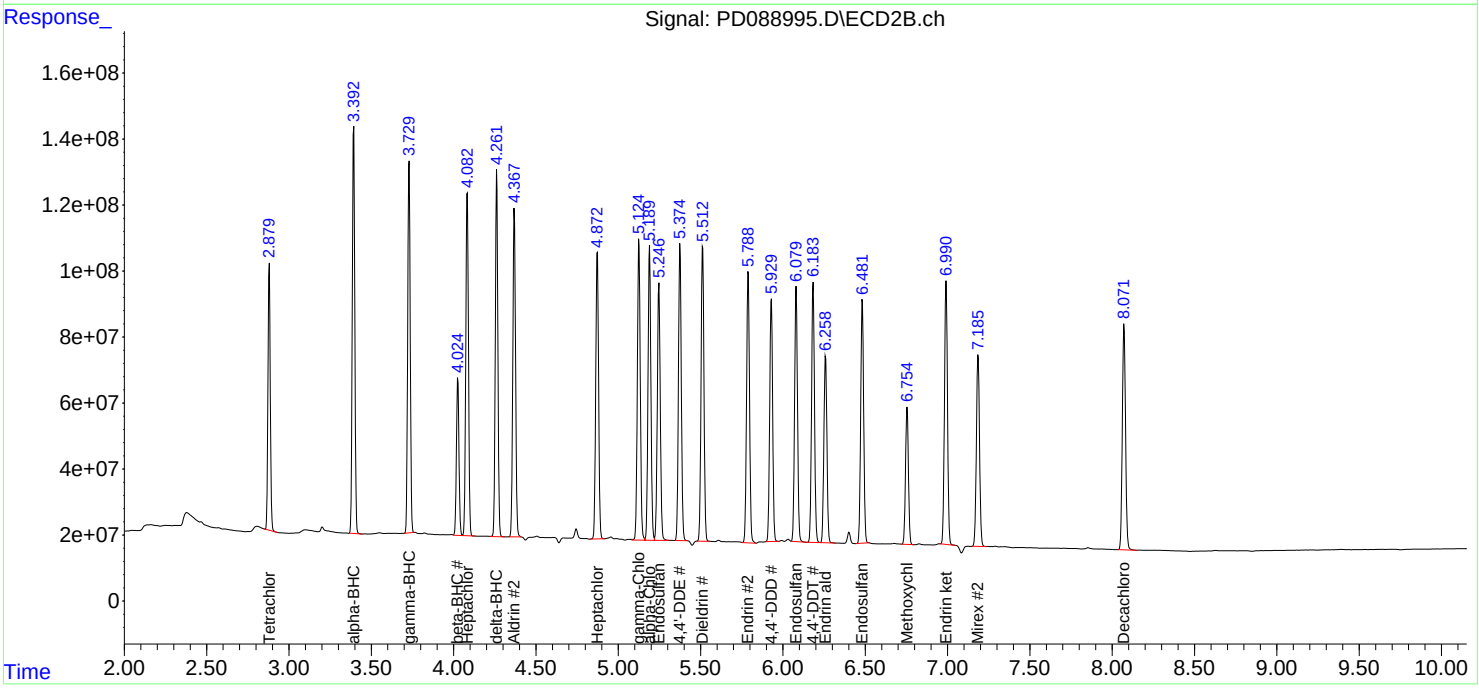
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

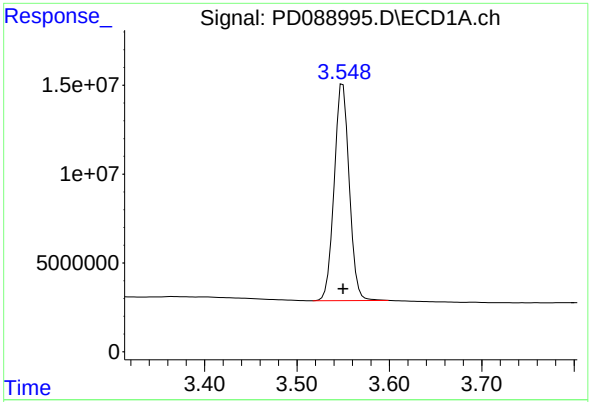
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



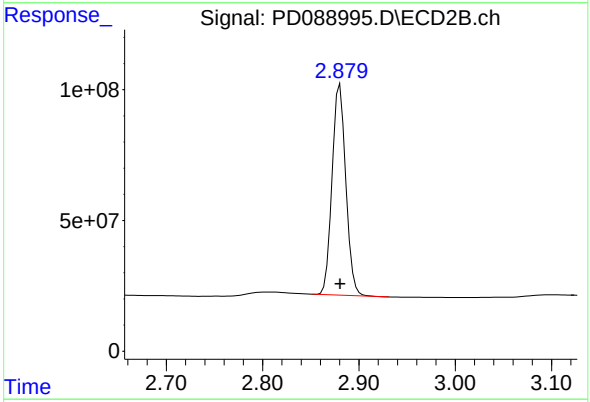




#1 Tetrachloro-m-xylene

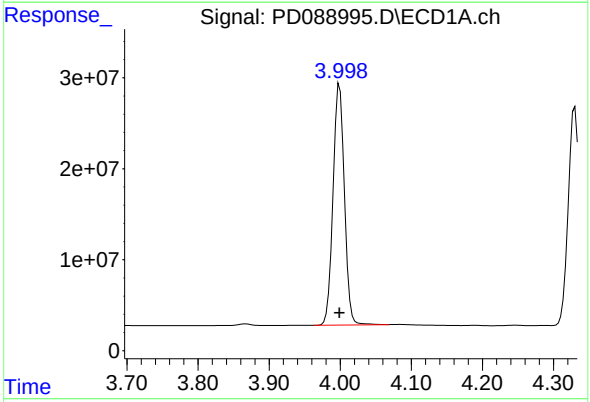
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 138363879
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



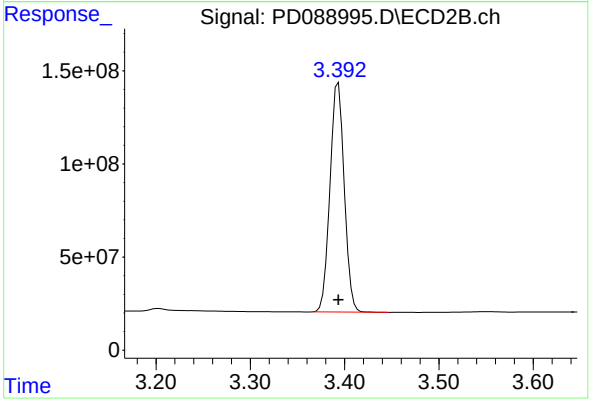
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 798899976
Conc: 50.00 ng/ml



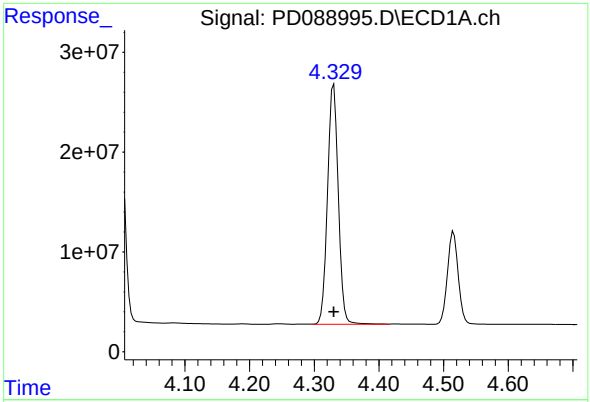
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 293737749
Conc: 50.00 ng/ml



#2 alpha-BHC

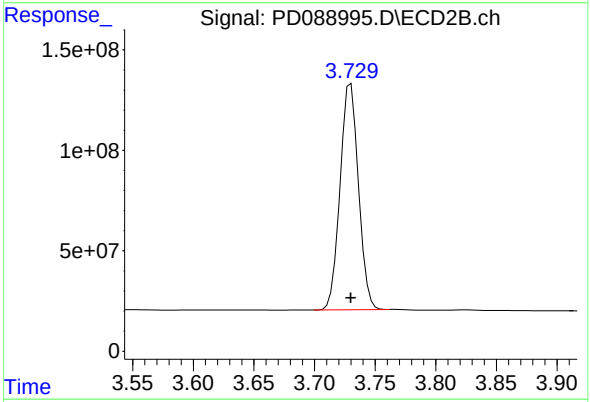
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1292461103
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

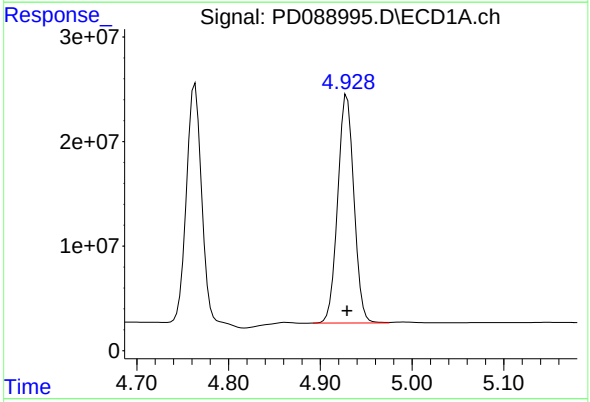
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 278329310
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



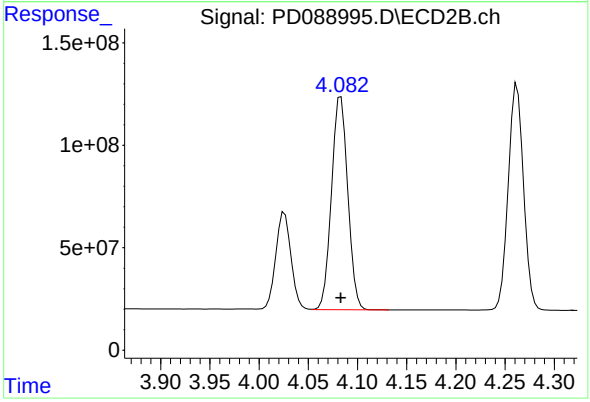
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 1187496178
Conc: 50.00 ng/ml



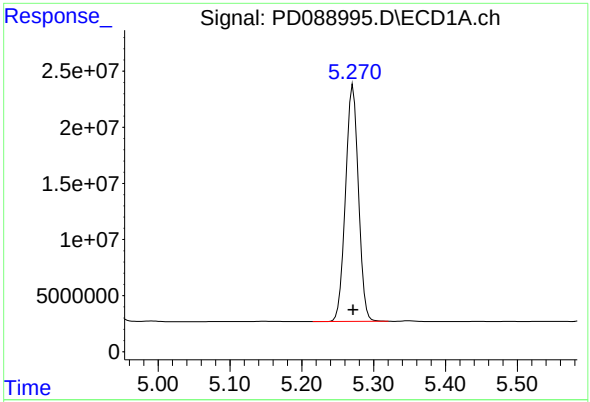
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 267928574
Conc: 50.00 ng/ml



#4 Heptachlor

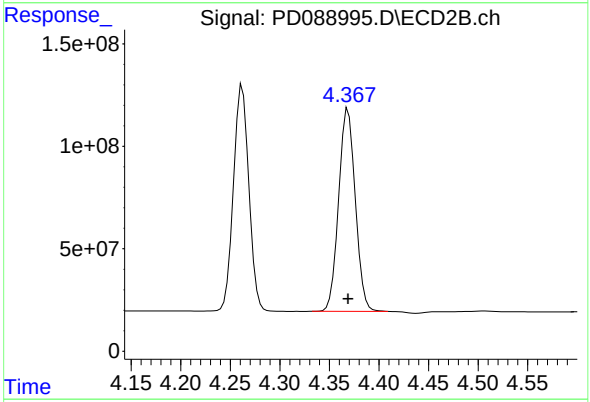
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1196110525
Conc: 50.00 ng/ml



#5 Aldrin

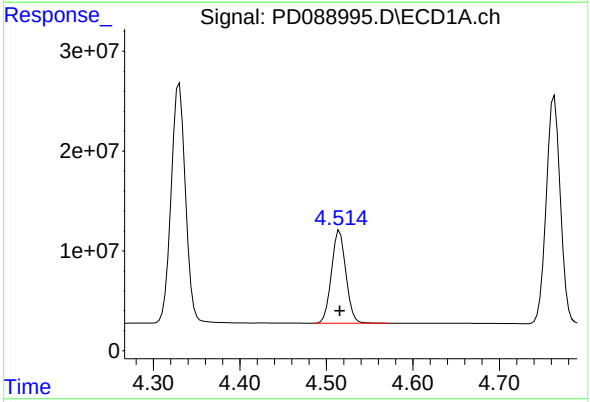
R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 262740047
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



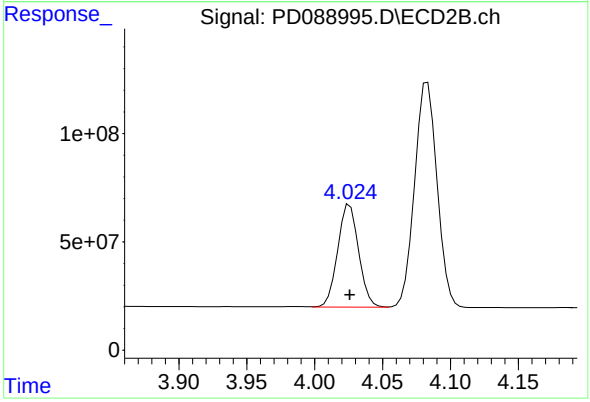
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 1157971739
Conc: 50.00 ng/ml



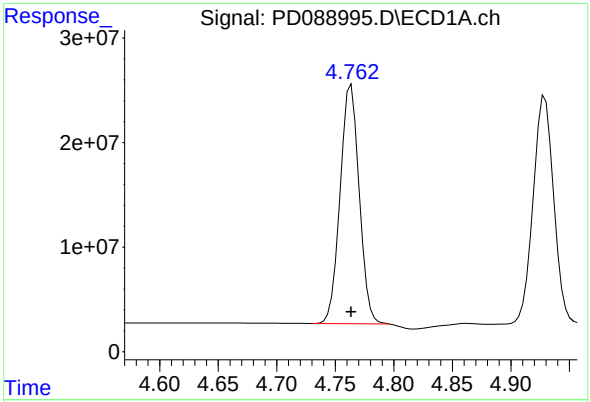
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 106884060
Conc: 50.00 ng/ml



#6 beta-BHC

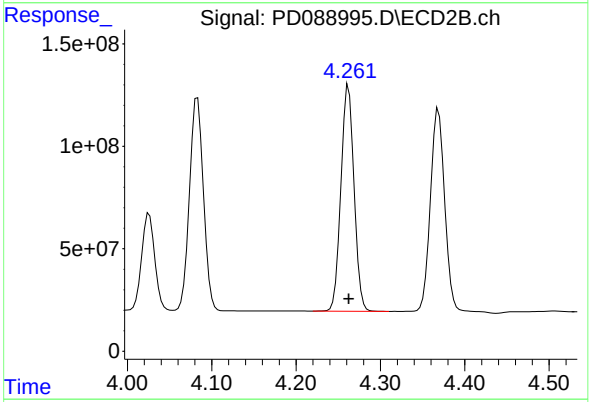
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 509912100
Conc: 50.00 ng/ml



#7 delta-BHC

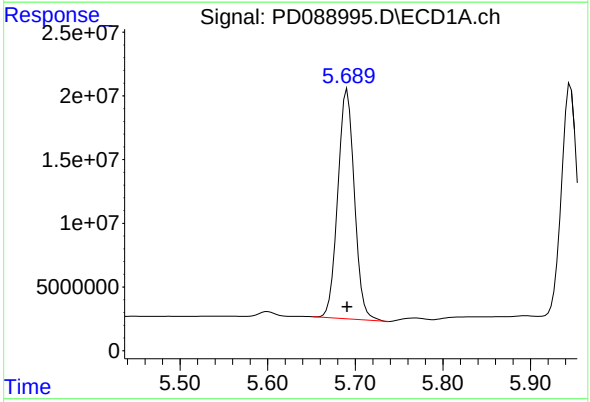
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 259117383
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



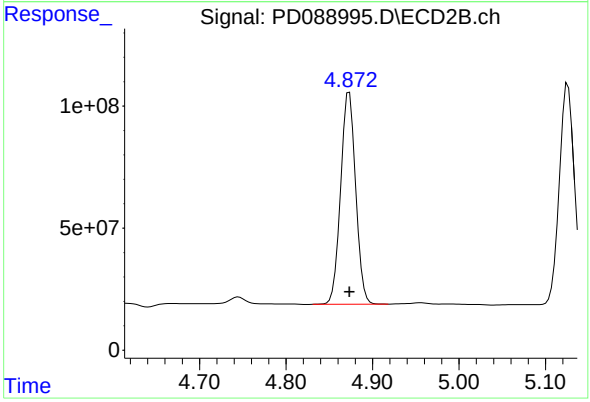
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1195935768
Conc: 50.00 ng/ml



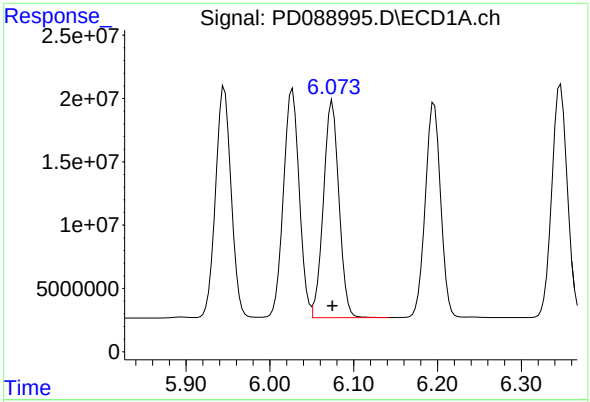
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 237482734
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

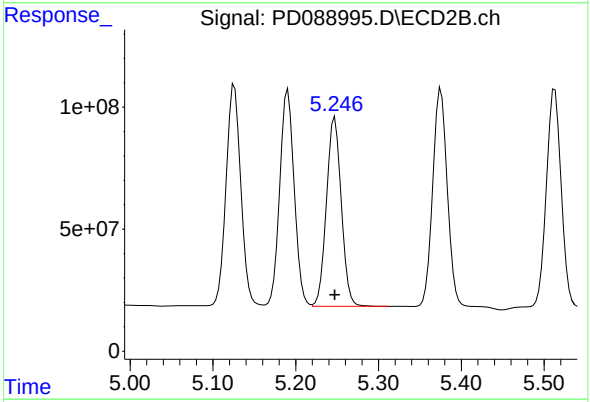
R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 1041366258
Conc: 50.00 ng/ml



#9 Endosulfan I

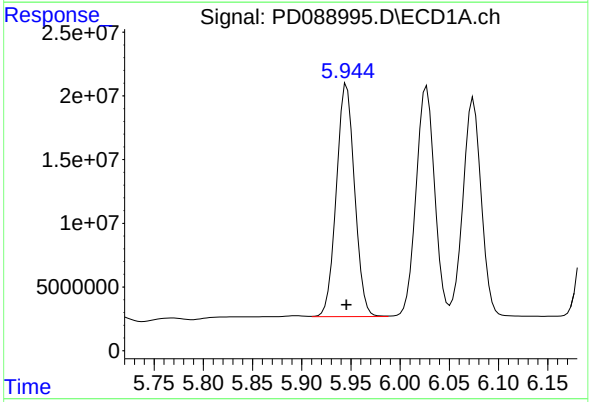
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 220630030
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



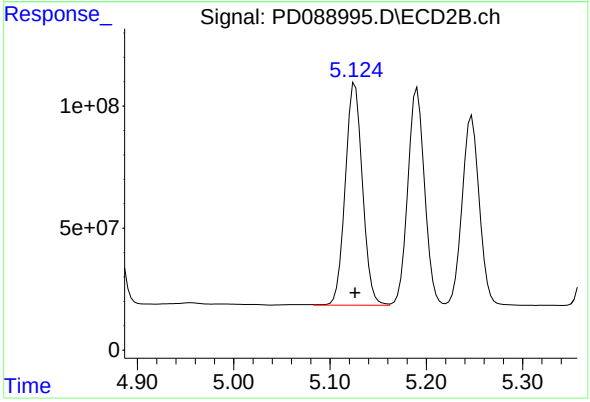
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 965773800
Conc: 50.00 ng/ml



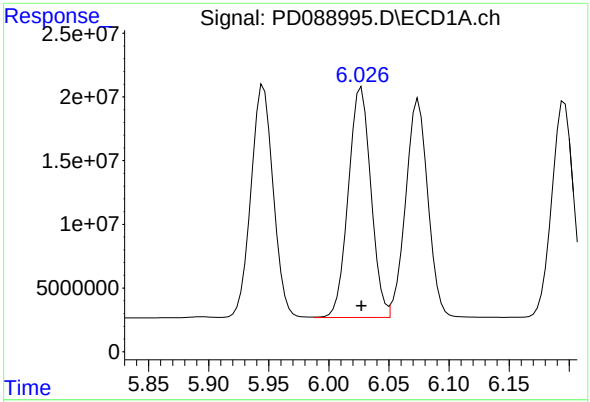
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 235805581
Conc: 50.00 ng/ml



#10 gamma-Chlordane

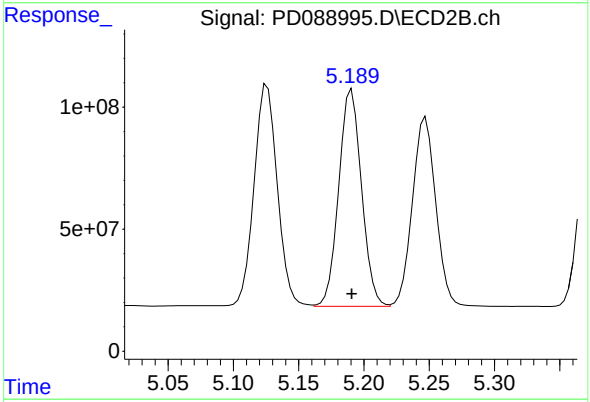
R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 1125974515
Conc: 50.00 ng/ml



#11 alpha-Chlordane

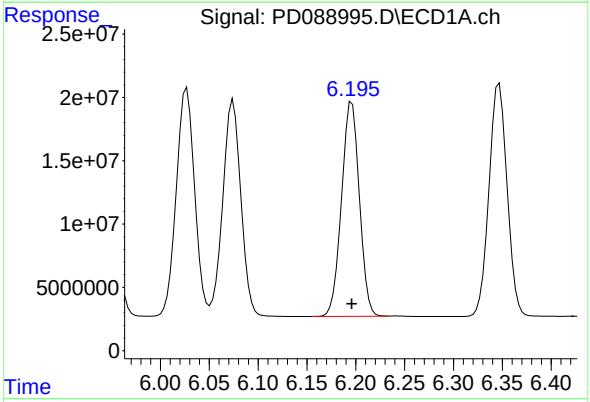
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 236731737
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



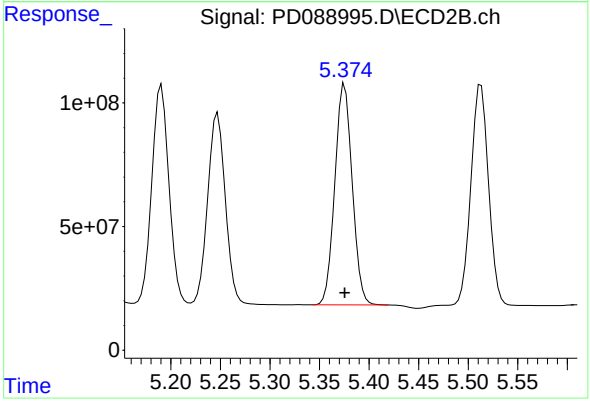
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: 0.000 min
Response: 1078542975
Conc: 50.00 ng/ml



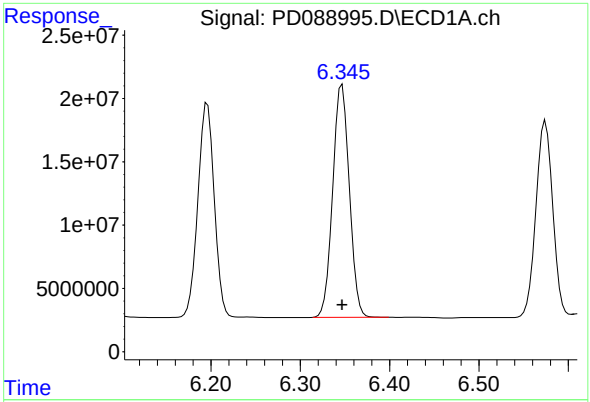
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 215618986
Conc: 50.00 ng/ml



#12 4,4'-DDE

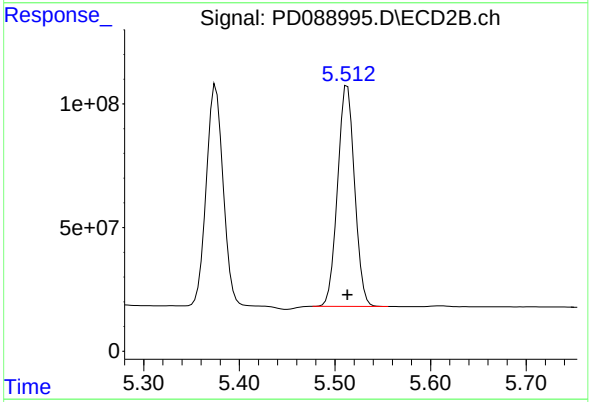
R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1091182323
Conc: 50.00 ng/ml



#13 Dieldrin

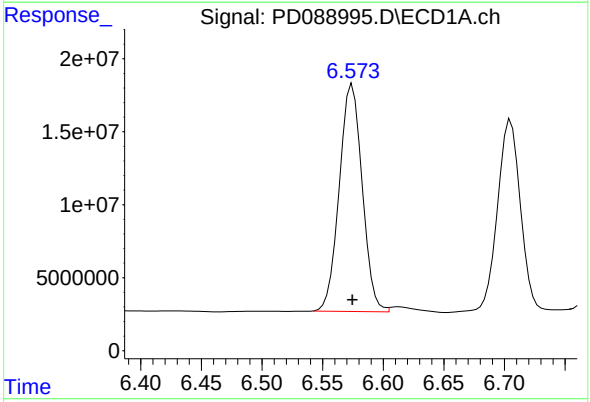
R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 237513396
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



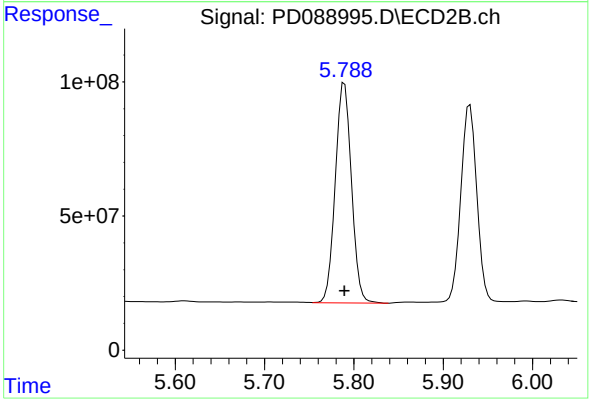
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 1106031342
Conc: 50.00 ng/ml



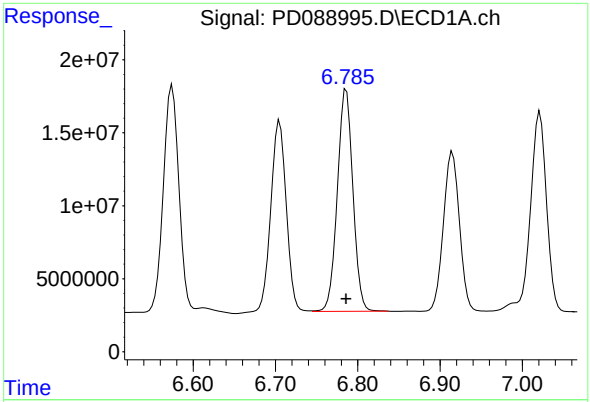
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 204821546
Conc: 50.00 ng/ml



#14 Endrin

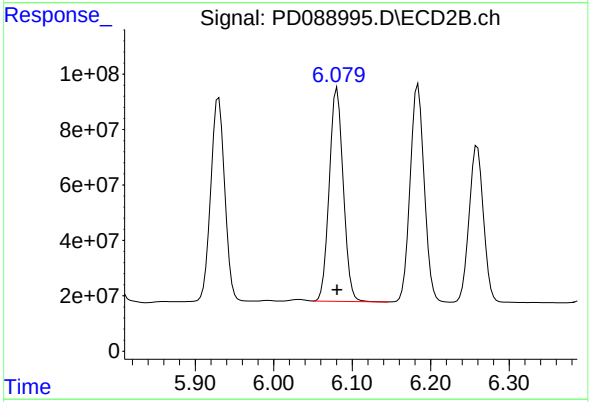
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1032232624
Conc: 50.00 ng/ml



#15 Endosulfan II

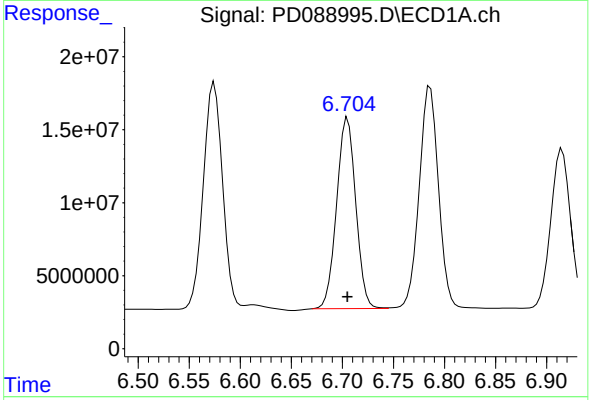
R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 200103919
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



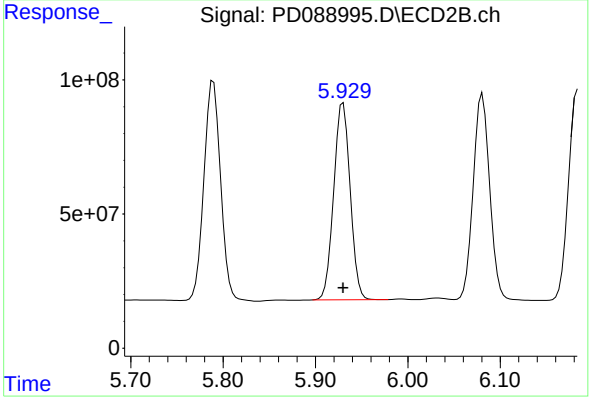
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 954355156
Conc: 50.00 ng/ml



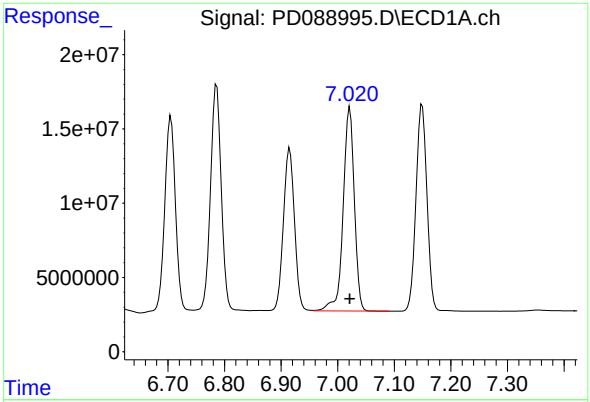
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 170706219
Conc: 50.00 ng/ml



#16 4,4'-DDD

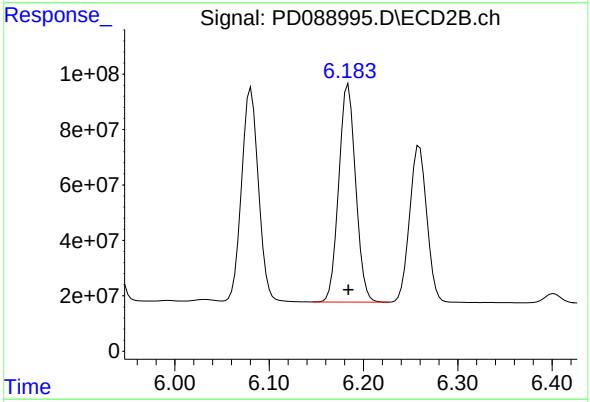
R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 909556285
Conc: 50.00 ng/ml



#17 4,4'-DDT

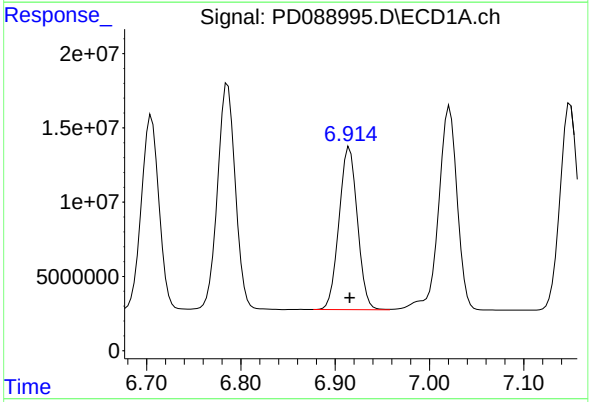
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 188171661
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



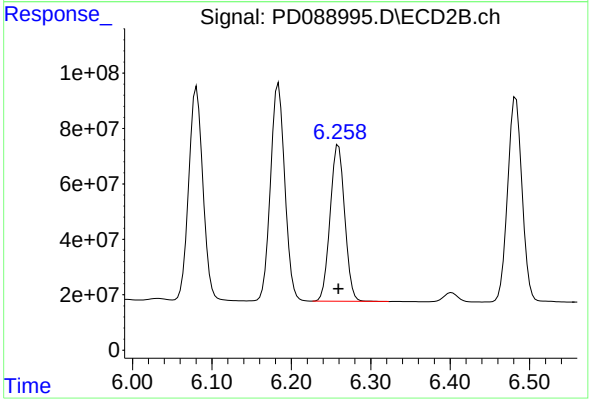
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 979705521
Conc: 50.00 ng/ml



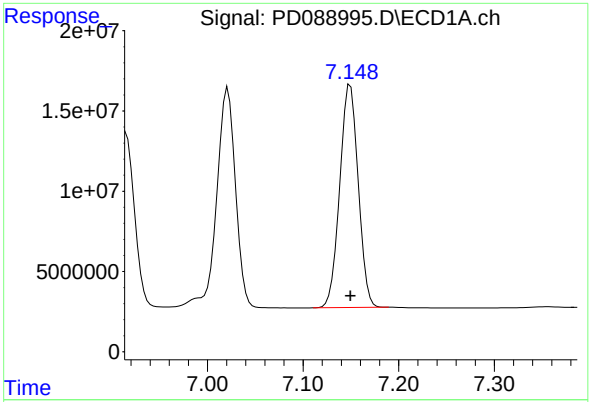
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 148211267
Conc: 50.00 ng/ml



#18 Endrin aldehyde

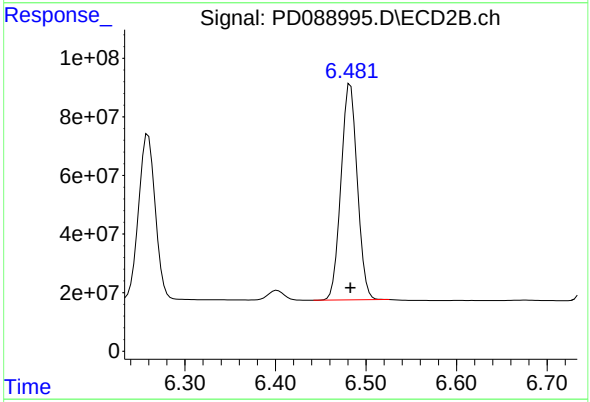
R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 718971299
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

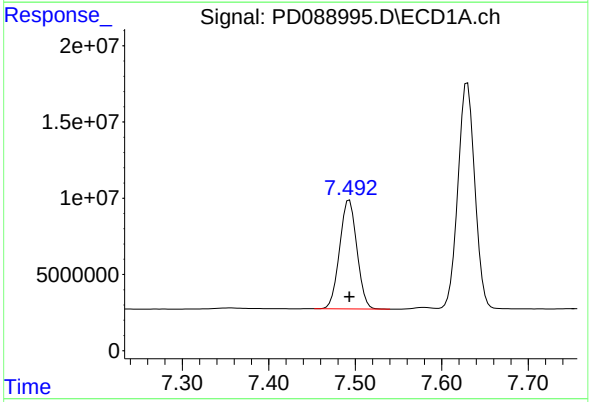
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 187080138
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



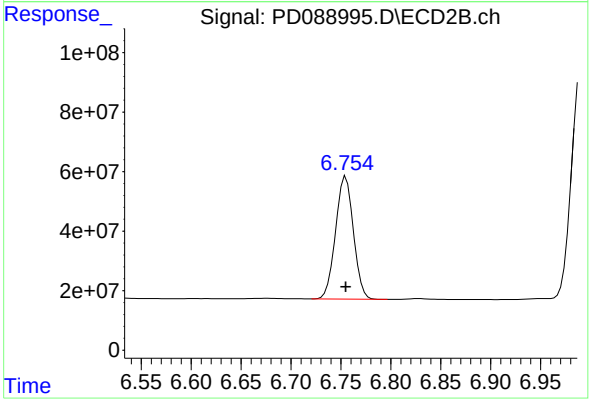
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 924625135
Conc: 50.00 ng/ml



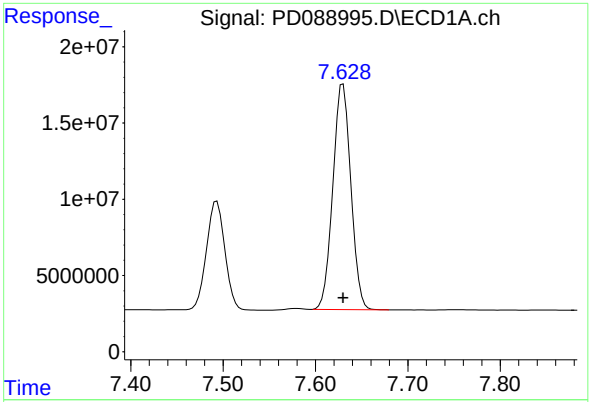
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 98574001
Conc: 50.00 ng/ml



#20 Methoxychlor

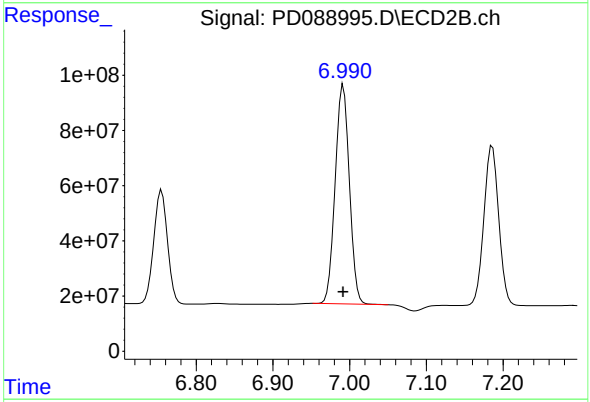
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 512952959
Conc: 50.00 ng/ml



#21 Endrin ketone

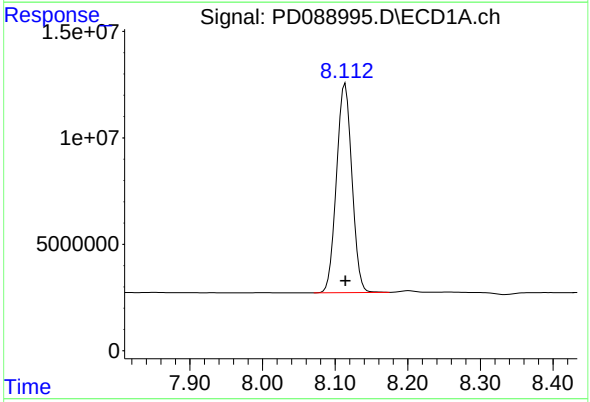
R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 200245194
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



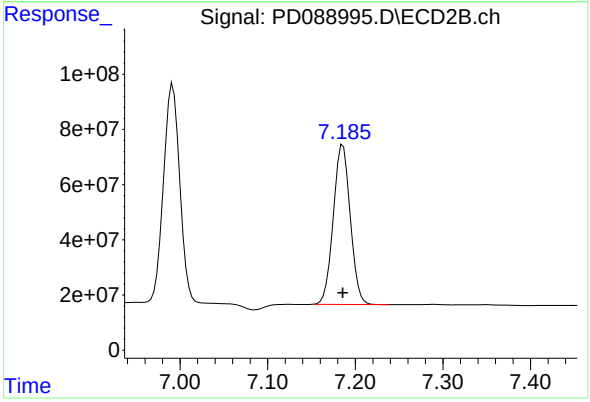
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 1022326097
Conc: 50.00 ng/ml



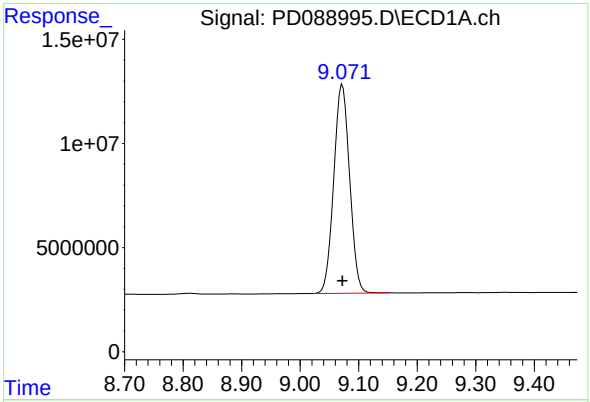
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 145157082
Conc: 50.00 ng/ml



#22 Mirex

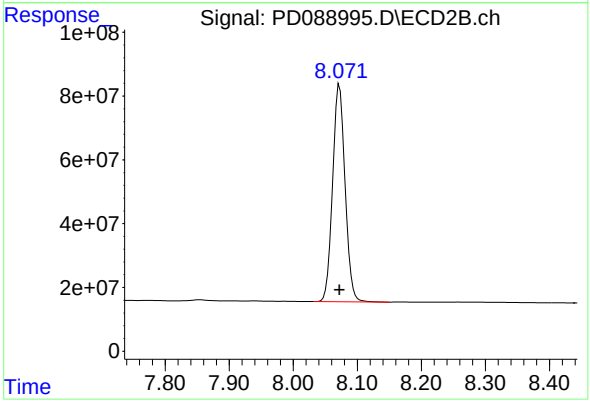
R.T.: 7.186 min
Delta R.T.: 0.000 min
Response: 779079563
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 188660244
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 921429369
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.881	68795424	418.3E6	24.860	26.178
28)	SA Decachlor...	9.072	8.072	97448897	485.7E6	25.827	26.355
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	135.4E6	653.8E6	23.056	25.294
3)	MA gamma-BHC...	4.330	3.729	130.5E6	605.5E6	23.451	25.496
4)	MA Heptachlor	4.929	4.083	127.9E6	617.9E6	23.870	25.830
5)	MB Aldrin	5.271	4.368	124.7E6	596.3E6	23.737	25.748
6)	B beta-BHC	4.515	4.025	53616740	265.6E6	25.082	26.044
7)	B delta-BHC	4.763	4.261	118.8E6	607.5E6	22.920	25.397
8)	B Heptachlo...	5.690	4.872	113.9E6	542.4E6	23.974	26.042
9)	A Endosulfan I	6.074	5.247	107.2E6	518.8E6	24.301	26.860
10)	B gamma-Chl...	5.945	5.125	112.7E6	587.3E6	23.901	26.082
11)	B alpha-Chl...	6.026	5.190	114.6E6	562.9E6	24.207	26.097
12)	B 4,4'-DDE	6.195	5.375	102.3E6	564.1E6	23.724	25.848
13)	MA Dieldrin	6.346	5.513	113.2E6	573.5E6	23.828	25.928
14)	MA Endrin	6.574	5.787	96953033	531.9E6	23.668	25.765m
15)	B Endosulfa...	6.786	6.080	95412213	500.1E6	23.841	26.199
16)	A 4,4'-DDD	6.704	5.929	80716755	470.1E6	23.642	25.845
17)	MA 4,4'-DDT	7.020	6.183	89516720	500.1E6	23.786	25.525
18)	B Endrin al...	6.914	6.258	74170726	379.9E6	25.022	26.419
19)	B Endosulfa...	7.148	6.481	91685883	485.2E6	24.504	26.239
20)	A Methoxychlor	7.492	6.753	49551931	270.8E6	25.134	26.394
21)	B Endrin ke...	7.629	6.990	97399015	538.4E6	24.320	26.331
22)	Mirex	8.113	7.184	74764205	414.2E6	25.753	26.583

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

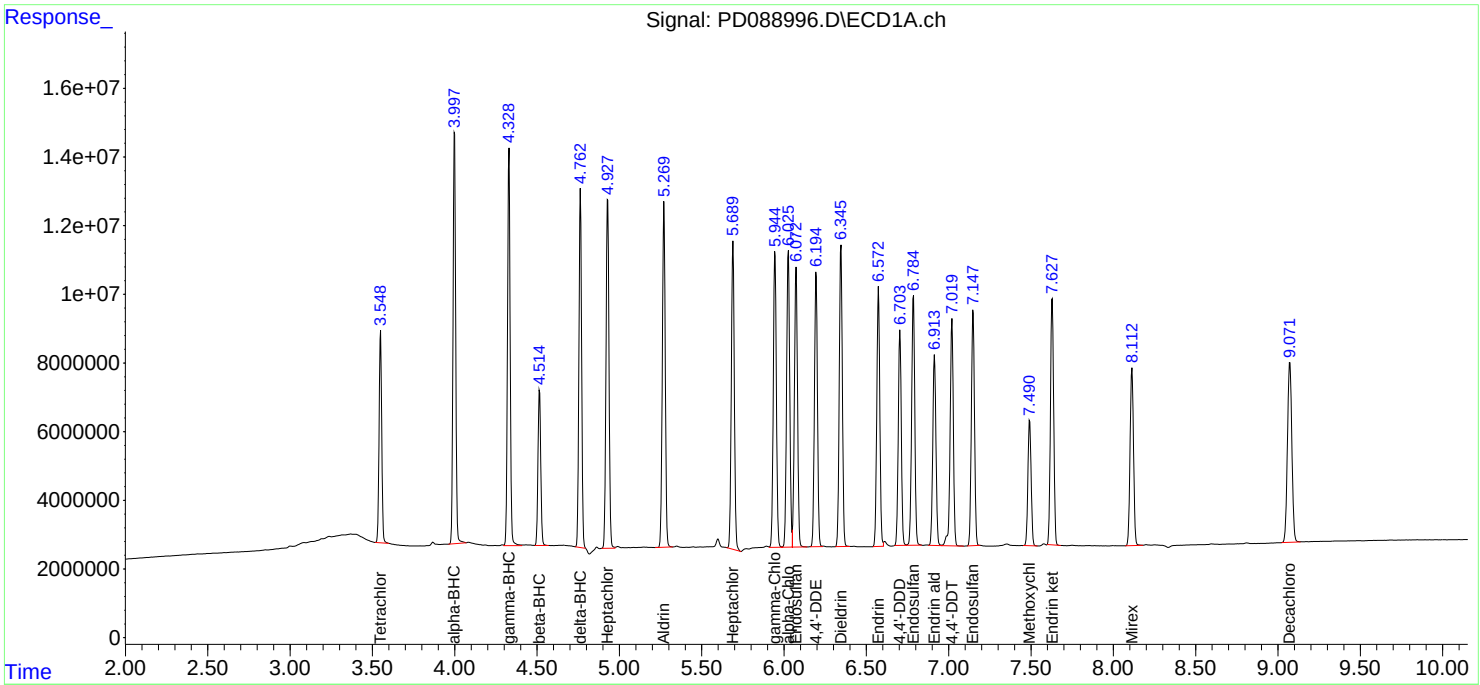
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

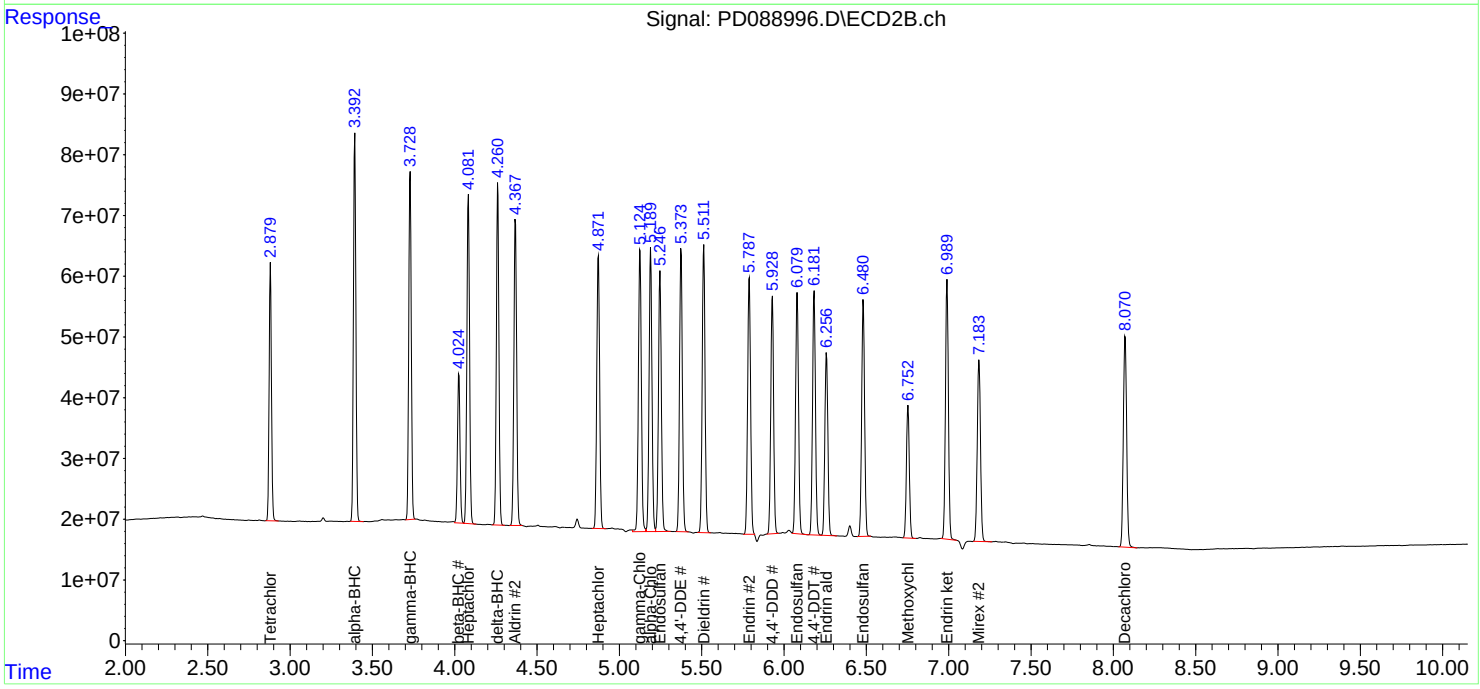
Manual Integrations APPROVED

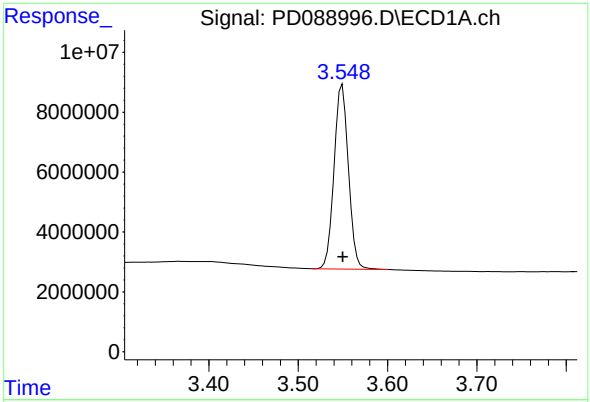
Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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







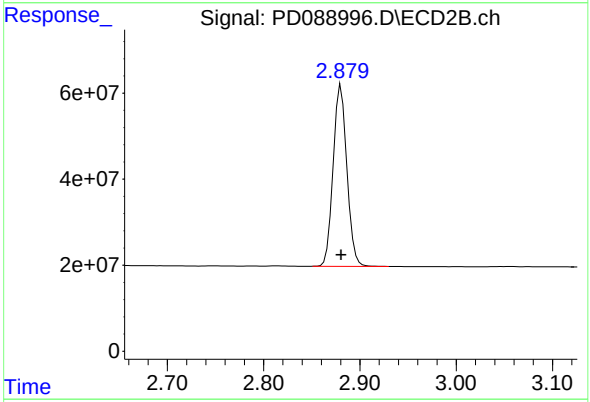
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 68795424
Conc: 24.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

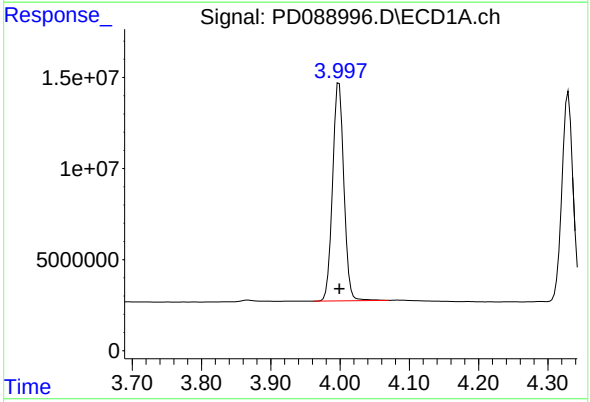
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



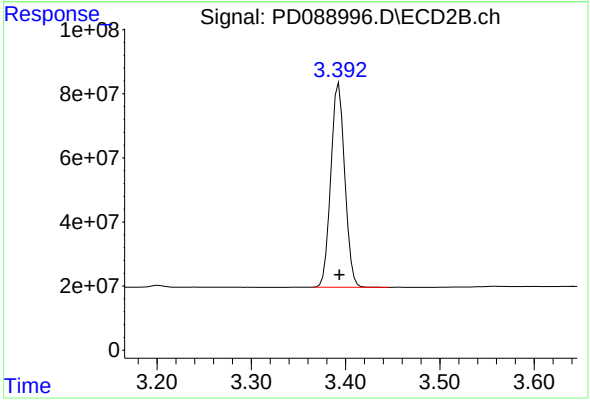
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 418273738
Conc: 26.18 ng/ml



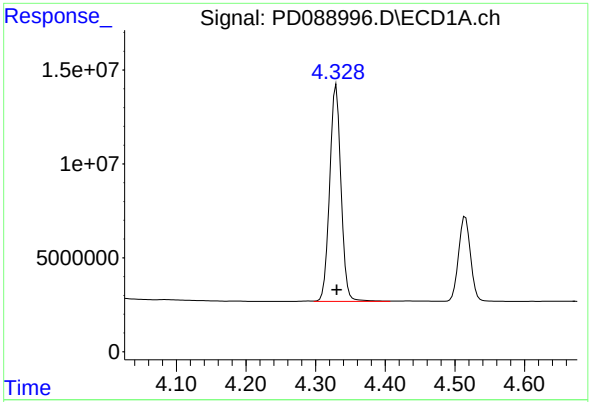
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 135447729
Conc: 23.06 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 653826479
Conc: 25.29 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 130542138
Conc: 23.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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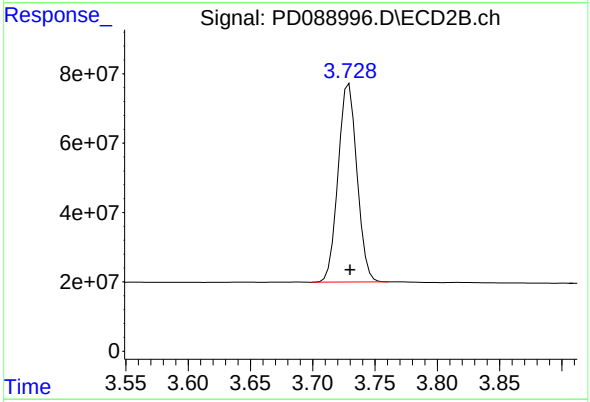
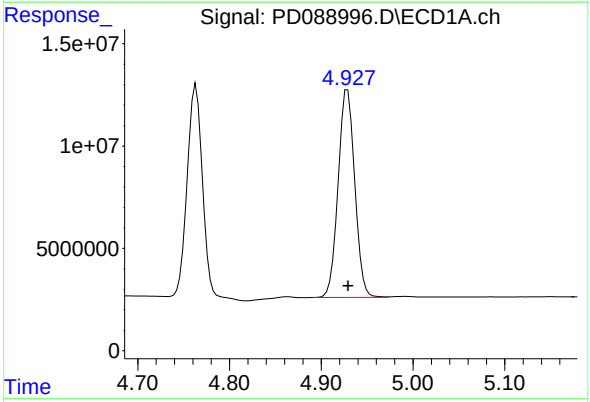


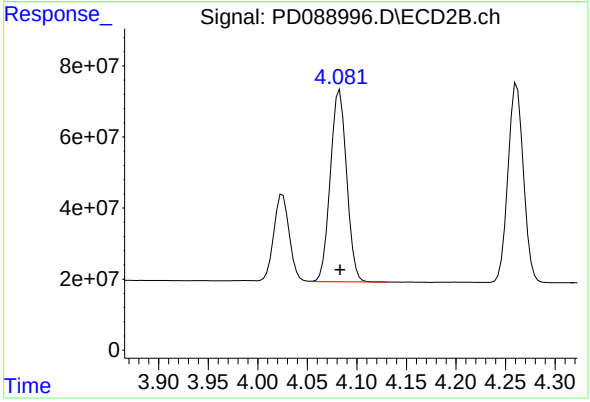
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 605536892
Conc: 25.50 ng/ml



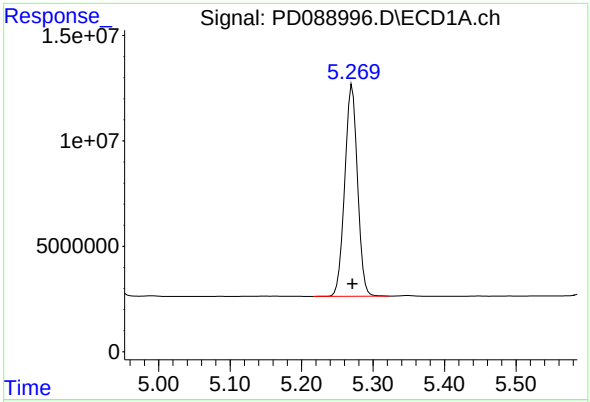
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 127907853
Conc: 23.87 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 617900048
Conc: 25.83 ng/ml



#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 124732576
Conc: 23.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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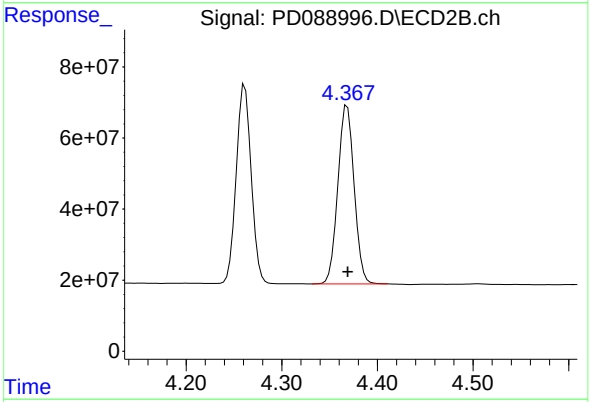
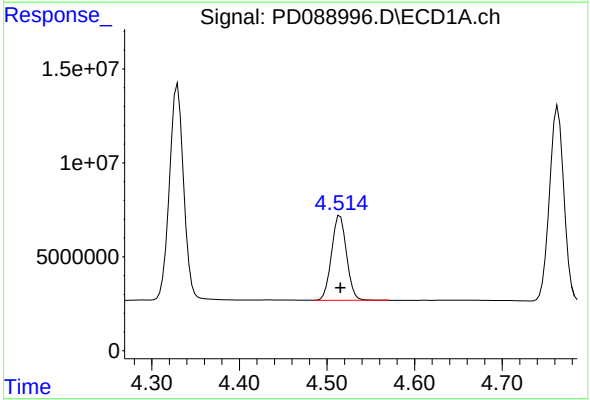


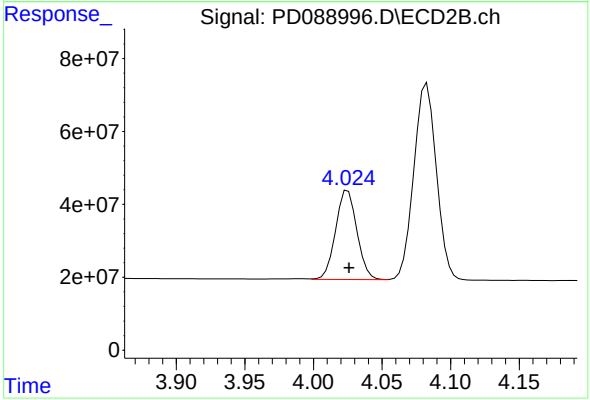
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 596319932
Conc: 25.75 ng/ml



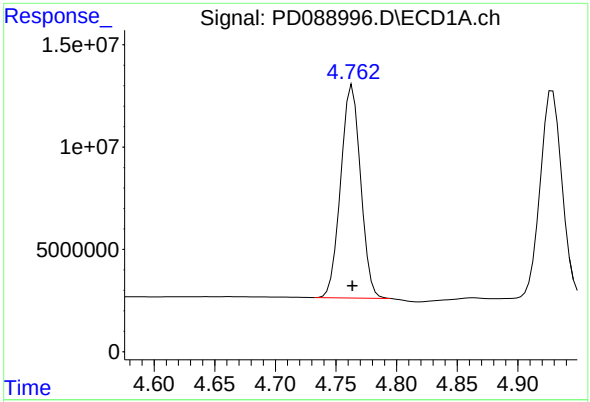
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 53616740
Conc: 25.08 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 265601460
Conc: 26.04 ng/ml



#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 118779756
Conc: 22.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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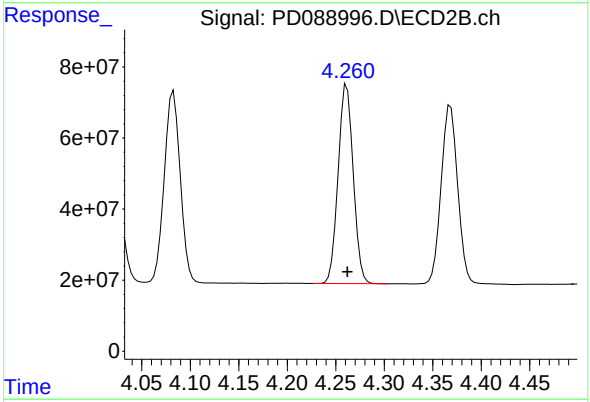
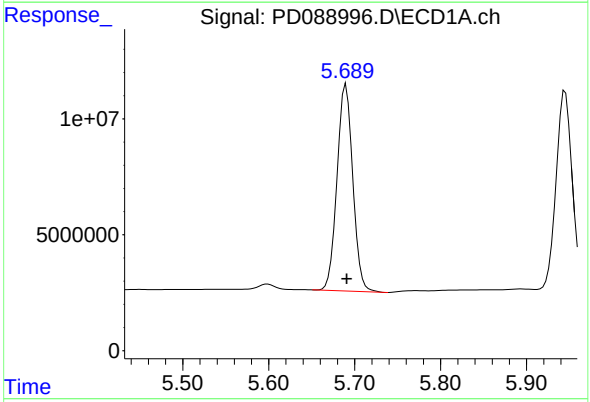


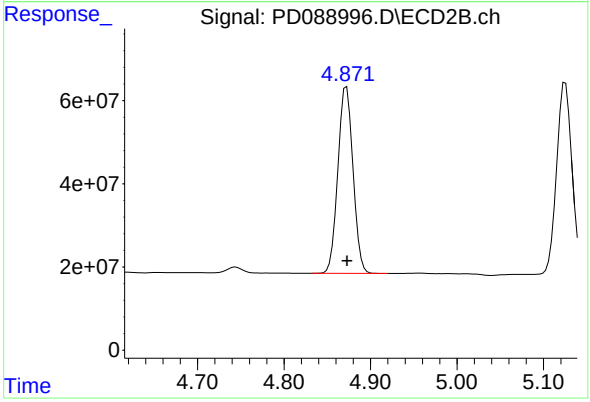
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 607458739
Conc: 25.40 ng/ml



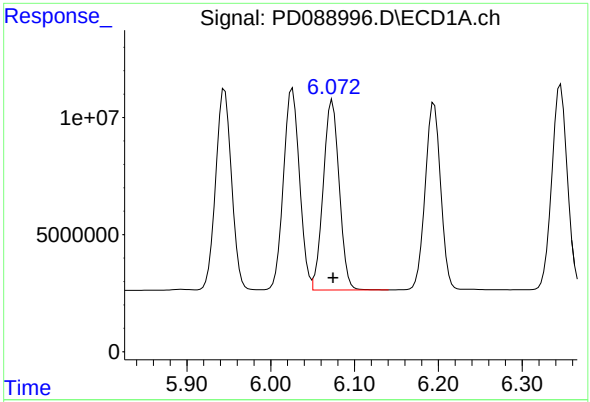
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 113867318
Conc: 23.97 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 542382485
Conc: 26.04 ng/ml



#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 107230080
Conc: 24.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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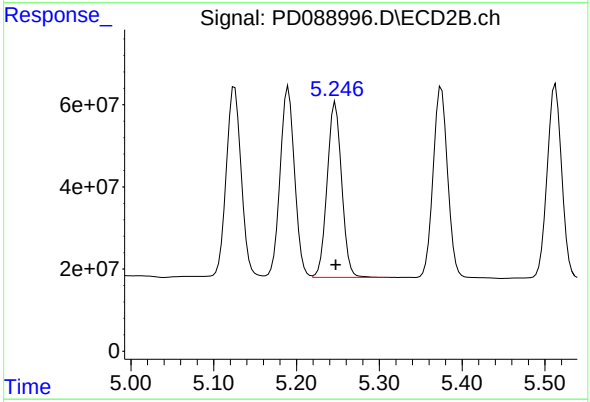
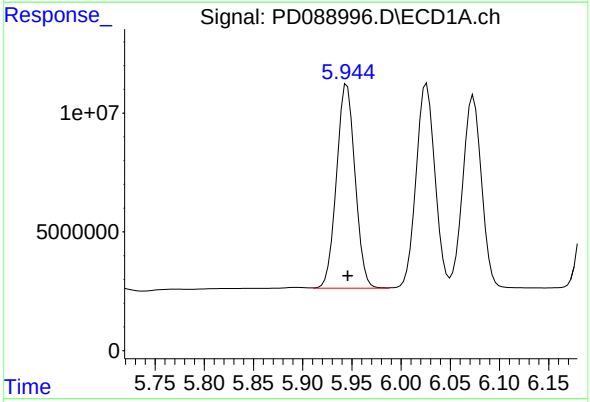


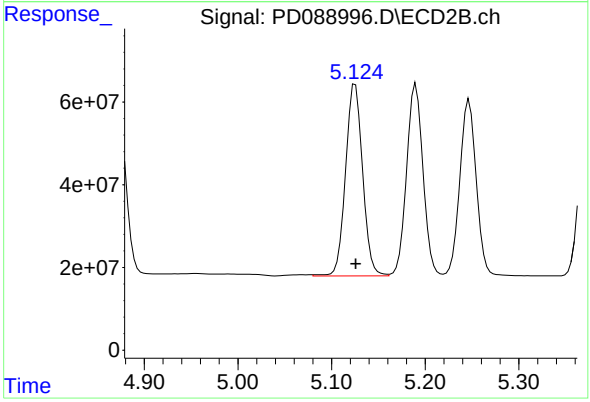
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 518823159
Conc: 26.86 ng/ml



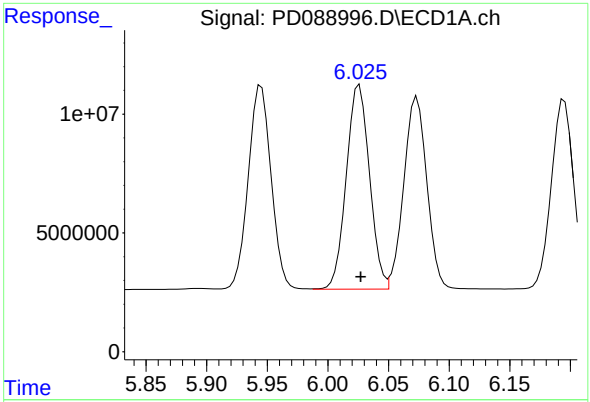
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 112720219
Conc: 23.90 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 587342881
Conc: 26.08 ng/ml



#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 114609874
Conc: 24.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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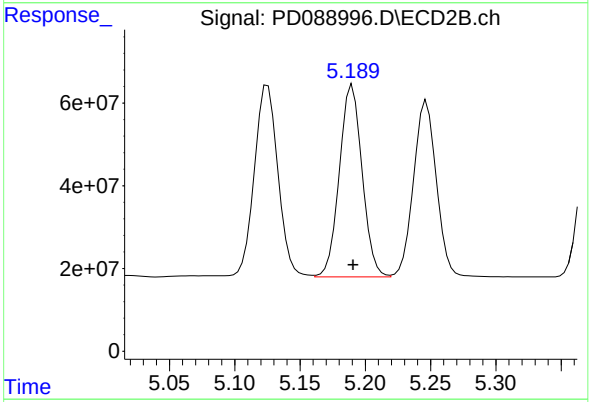
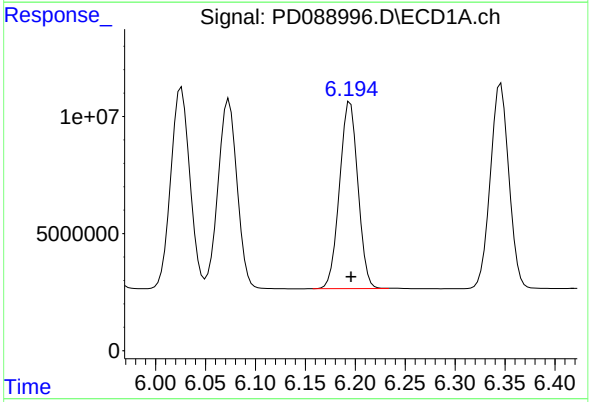


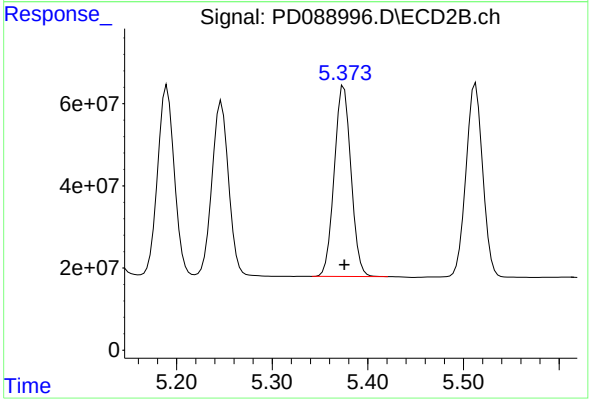
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 562930690
Conc: 26.10 ng/ml



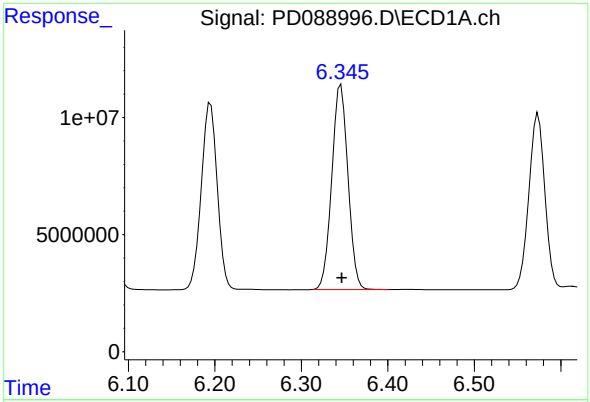
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.001 min
Response: 102307711
Conc: 23.72 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 564101579
Conc: 25.85 ng/ml



#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 113187779
Conc: 23.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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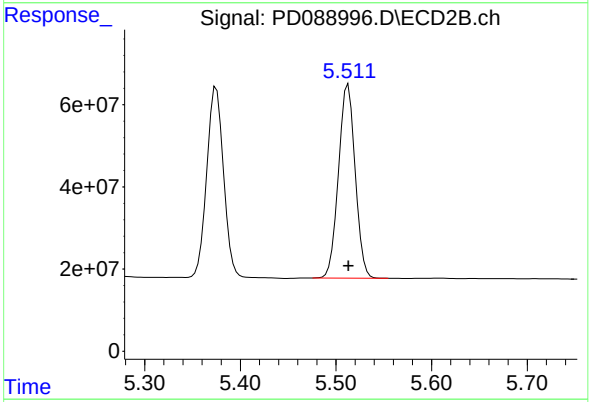
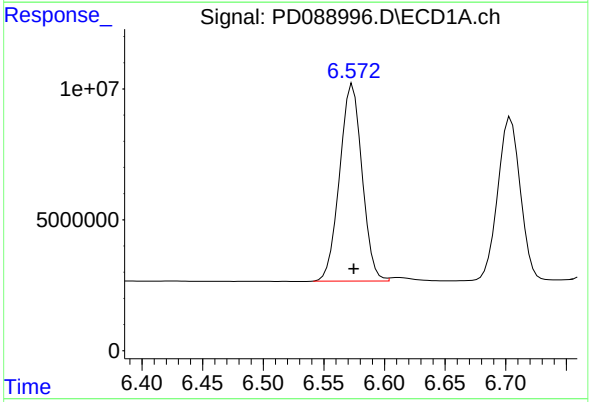


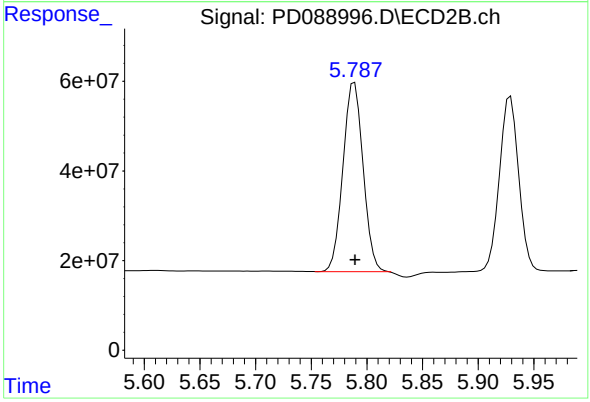
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 573545021
Conc: 25.93 ng/ml



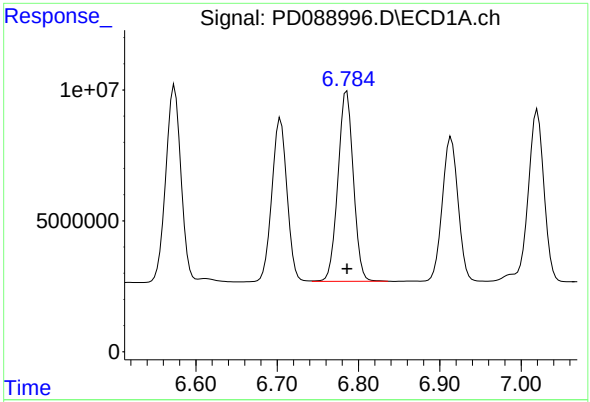
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 96953033
Conc: 23.67 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 531911663
Conc: 25.77 ng/ml m



#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 95412213
Conc: 23.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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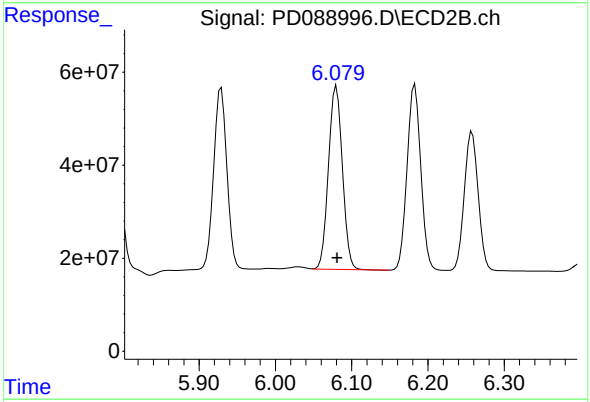
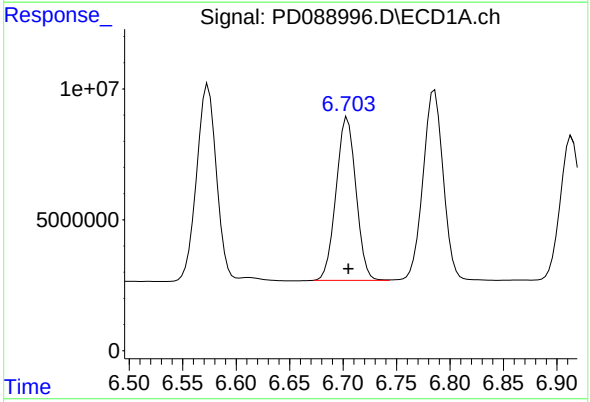


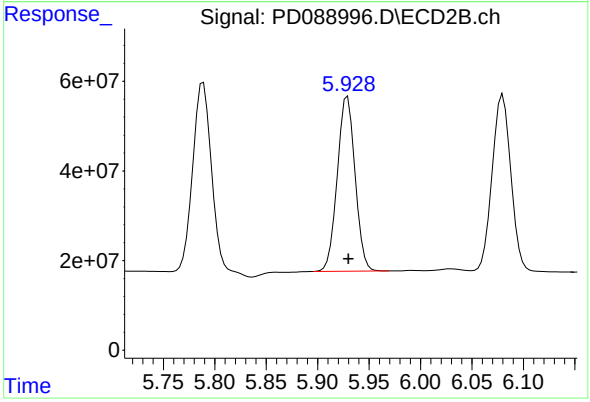
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 500058034
Conc: 26.20 ng/ml



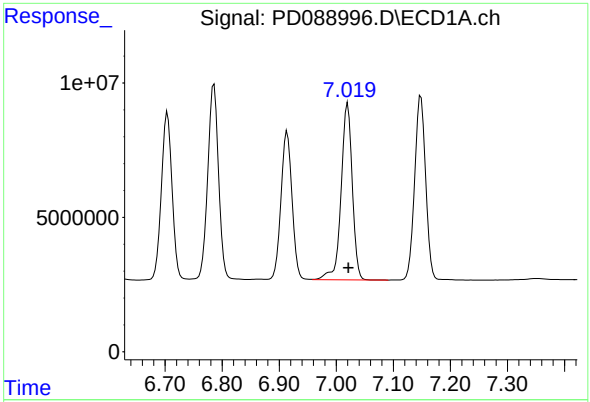
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 80716755
Conc: 23.64 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 470144982
Conc: 25.84 ng/ml



#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.001 min
Response: 89516720
Conc: 23.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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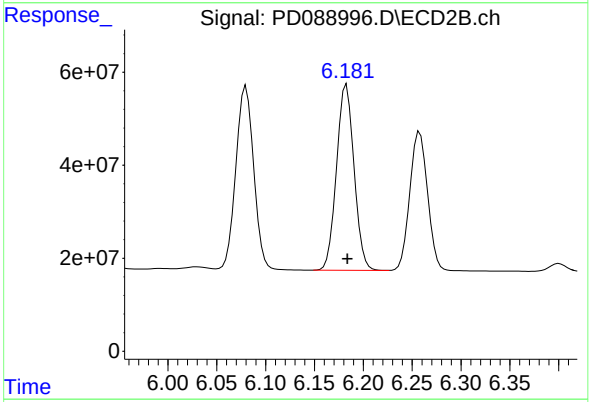
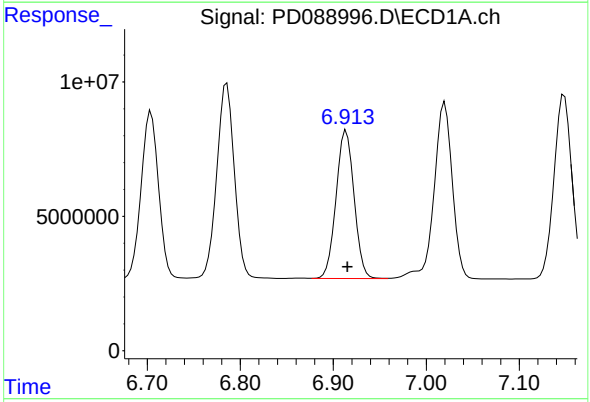


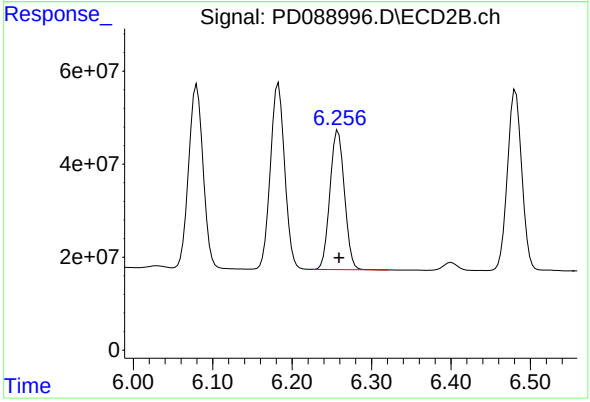
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 500130733
Conc: 25.52 ng/ml



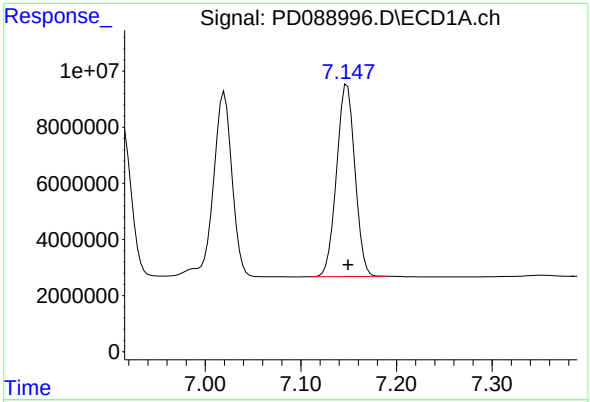
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.001 min
Response: 74170726
Conc: 25.02 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 379888475
Conc: 26.42 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: -0.001 min
Response: 91685883
Conc: 24.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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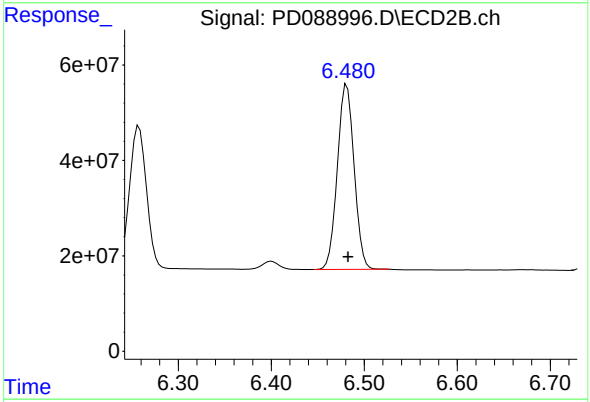
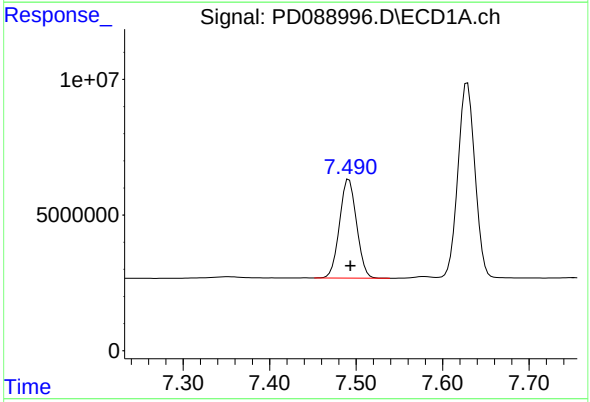


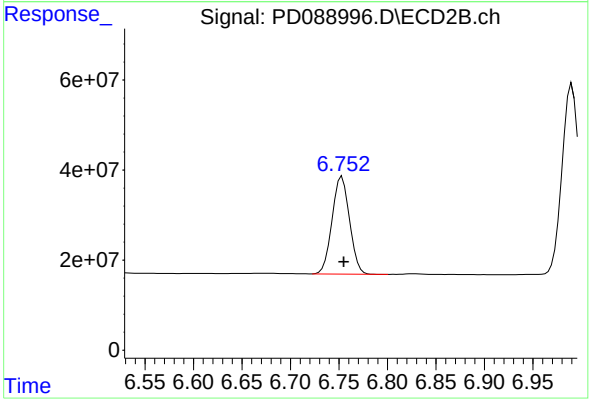
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 485230575
Conc: 26.24 ng/ml



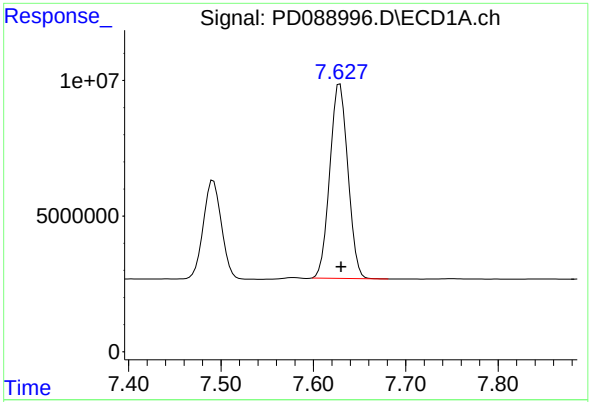
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.002 min
Response: 49551931
Conc: 25.13 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 270772800
Conc: 26.39 ng/ml



#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.001 min
Response: 97399015
Conc: 24.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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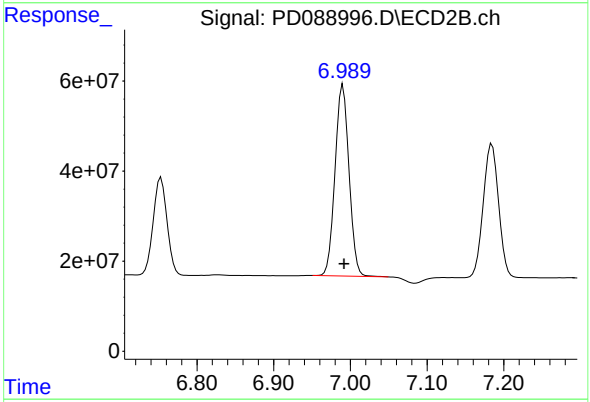
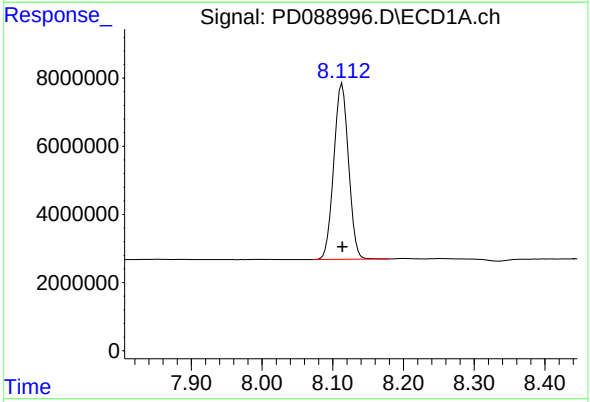


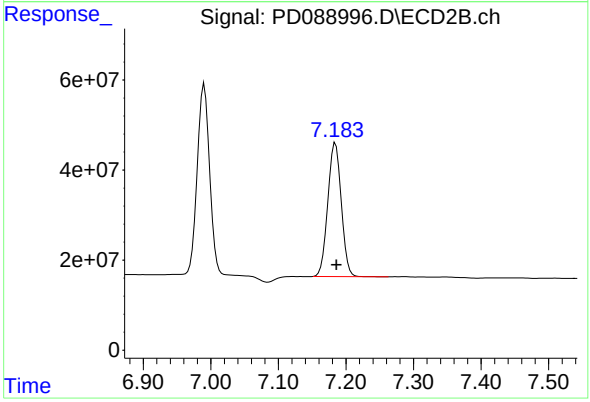
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 538381272
Conc: 26.33 ng/ml



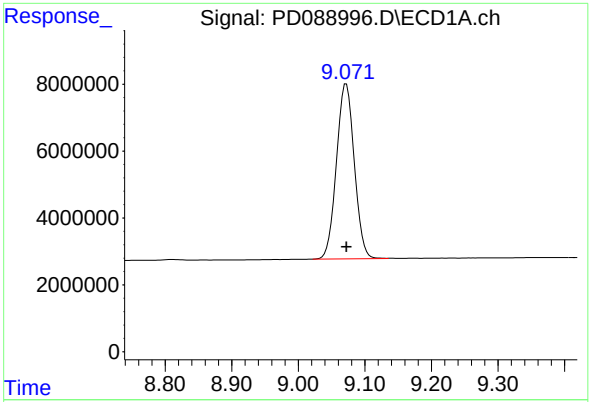
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 74764205
Conc: 25.75 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.001 min
Response: 414205523
Conc: 26.58 ng/ml



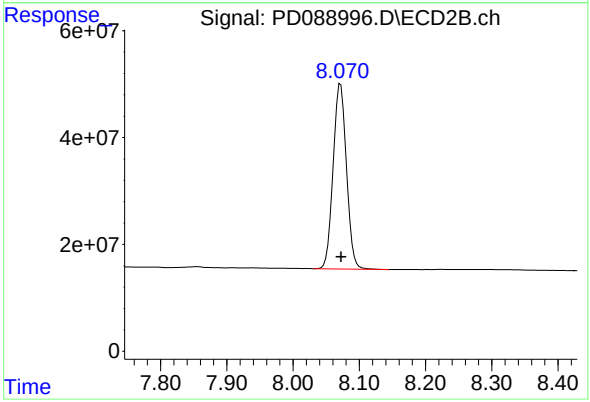
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 97448897
Conc: 25.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 485687735
Conc: 26.36 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.880	15861136	101.6E6	5.732	6.356
28)	SA Decachlor...	9.073	8.072	23699682	125.5E6	6.281	6.812
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	27627643	154.5E6	4.703	5.976 #
3)	MA gamma-BHC...	4.330	3.729	27664017	143.7E6	4.970	6.052
4)	MA Heptachlor	4.929	4.083	28667725	149.5E6	5.350	6.249
5)	MB Aldrin	5.270	4.368	27520008	143.0E6	5.237	6.176
6)	B beta-BHC	4.515	4.025	12578663	65433774	5.884	6.416
7)	B delta-BHC	4.763	4.262	24463430	145.0E6	4.721	6.063 #
8)	B Heptachlo...	5.690	4.873	26734361	133.2E6	5.629	6.394
9)	A Endosulfan I	6.074	5.247	24592339	128.9E6	5.573	6.671
10)	B gamma-Chl...	5.946	5.126	25225085	146.7E6	5.349	6.516
11)	B alpha-Chl...	6.026	5.190	26148512	140.3E6	5.523	6.504
12)	B 4,4'-DDE	6.194	5.375	22175565	137.0E6	5.142	6.280
13)	MA Dieldrin	6.346	5.512	24894050	139.6E6	5.241	6.311
14)	MA Endrin	6.573	5.787	21528490	131.0E6	5.255	6.347m
15)	B Endosulfa...	6.785	6.080	22765018	124.2E6	5.688	6.509
16)	A 4,4'-DDD	6.704	5.929	17603896	115.0E6	5.156	6.321
17)	MA 4,4'-DDT	7.020	6.183	19332472	115.4E6	5.137	5.889
18)	B Endrin al...	6.914	6.259	17443585	96439397	5.885	6.707
19)	B Endosulfa...	7.149	6.482	21359951	121.2E6	5.709	6.553
20)	A Methoxychlor	7.493	6.754	11522878	65700483	5.845	6.404
21)	B Endrin ke...	7.630	6.990	22217957	133.1E6	5.548	6.508m
22)	Mirex	8.113	7.185	18484356	106.1E6	6.367	6.807

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

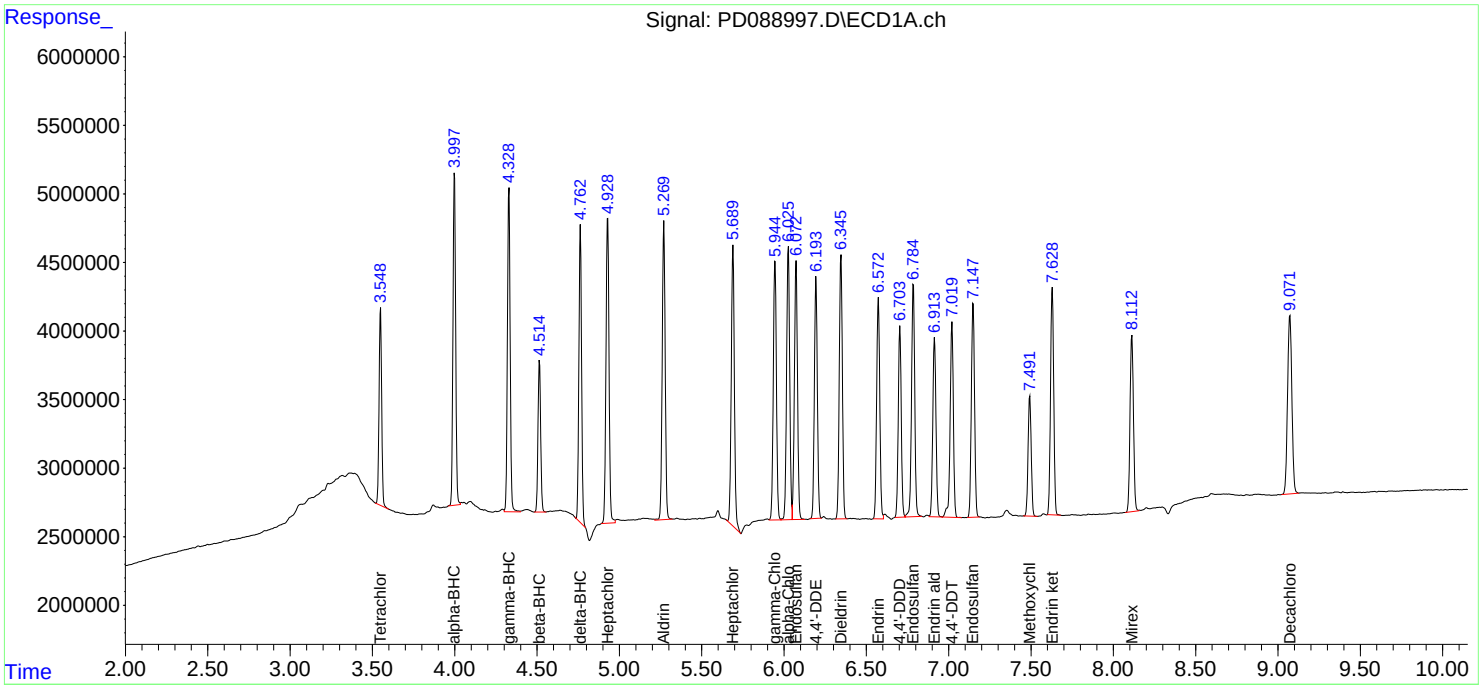
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

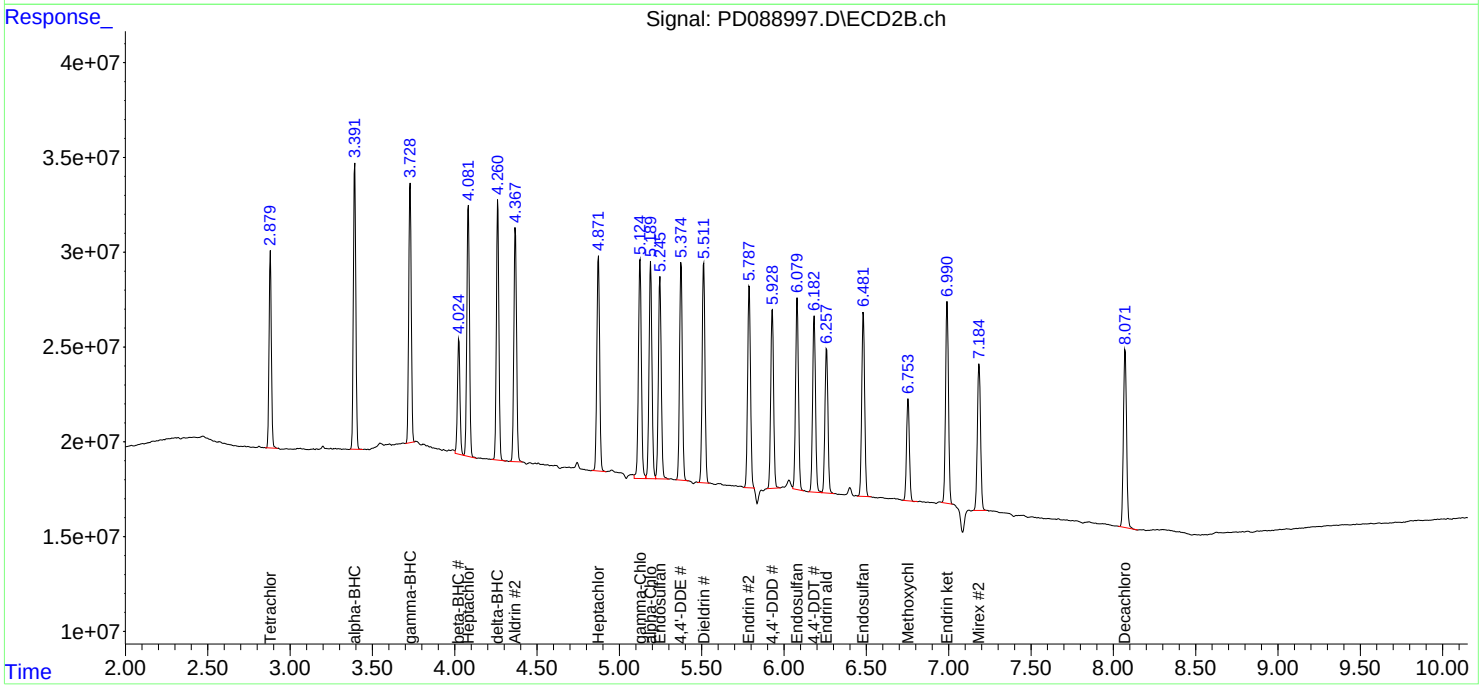
Manual Integrations APPROVED

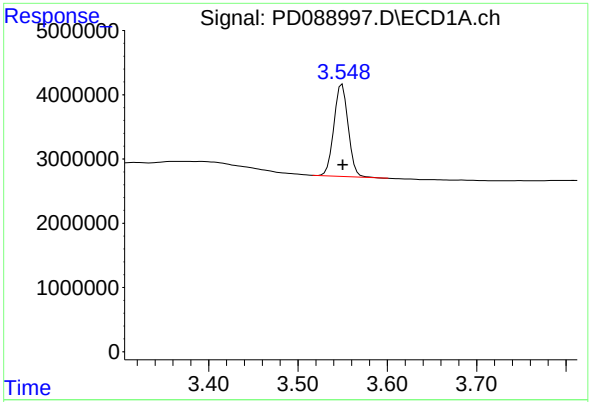
Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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







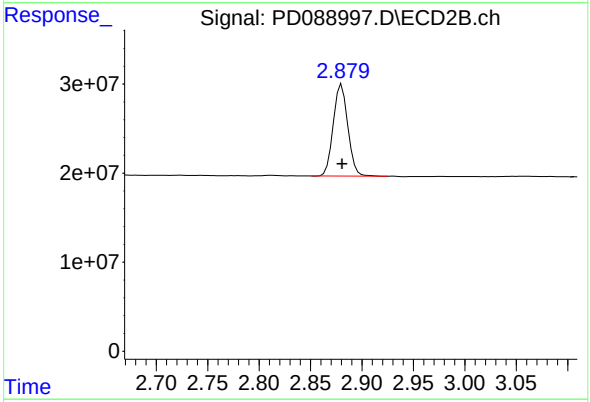
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 15861136
Conc: 5.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

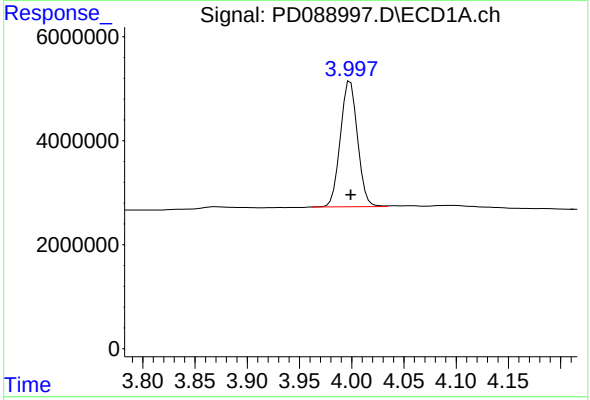
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



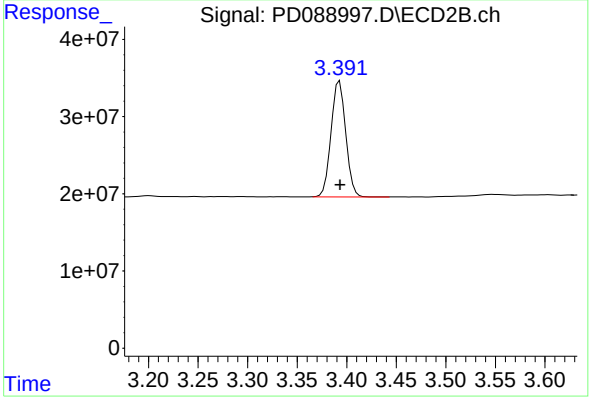
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 101553393
Conc: 6.36 ng/ml



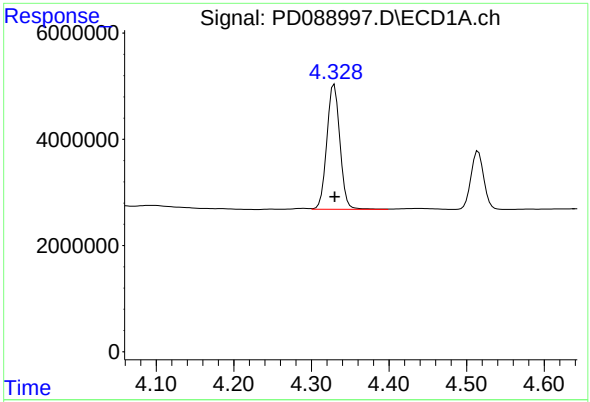
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 27627643
Conc: 4.70 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 154477617
Conc: 5.98 ng/ml



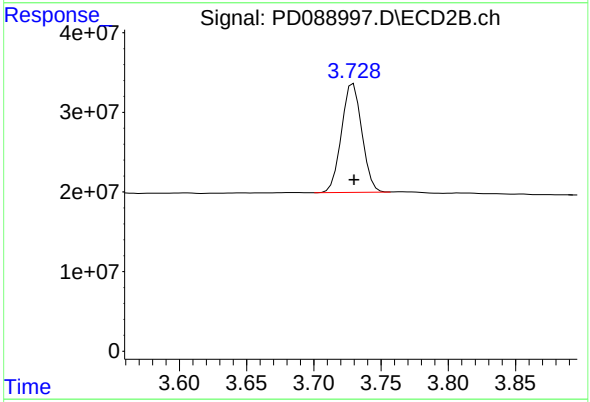
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 27664017
Conc: 4.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

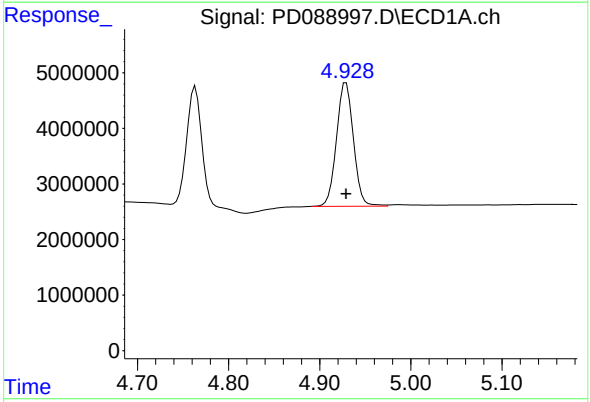
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



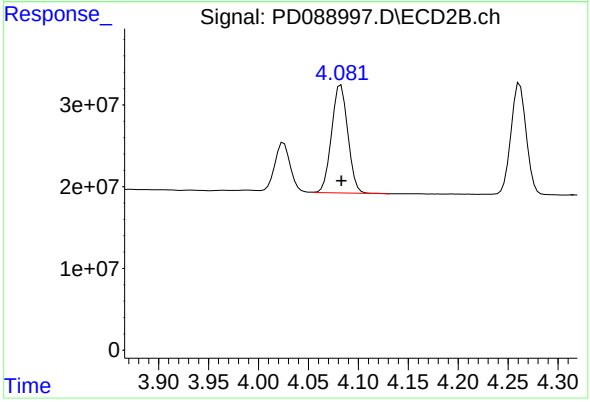
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 143741778
Conc: 6.05 ng/ml



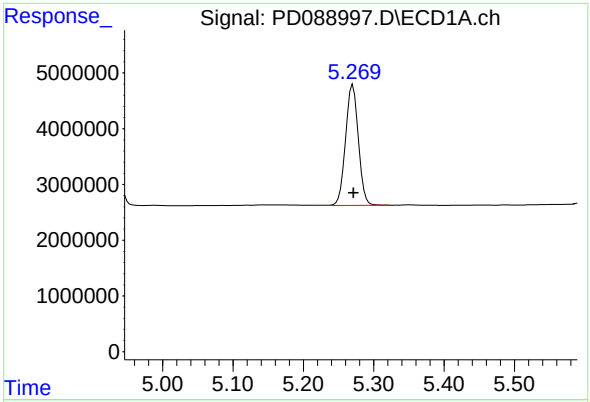
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 28667725
Conc: 5.35 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 149484198
Conc: 6.25 ng/ml



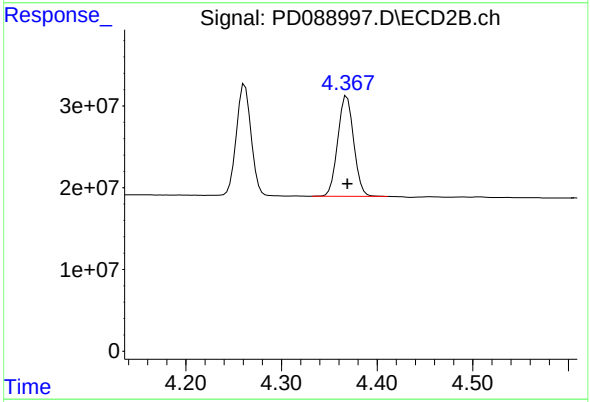
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 27520008
Conc: 5.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

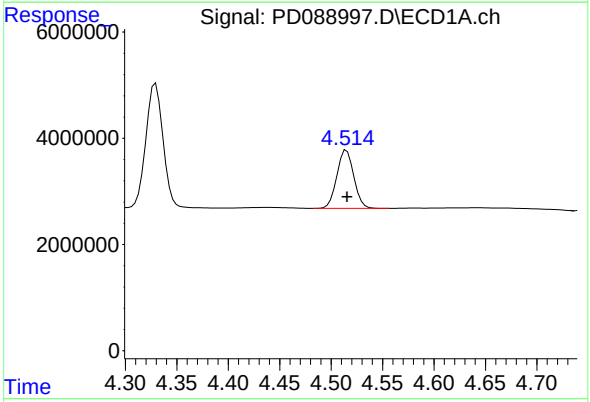
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



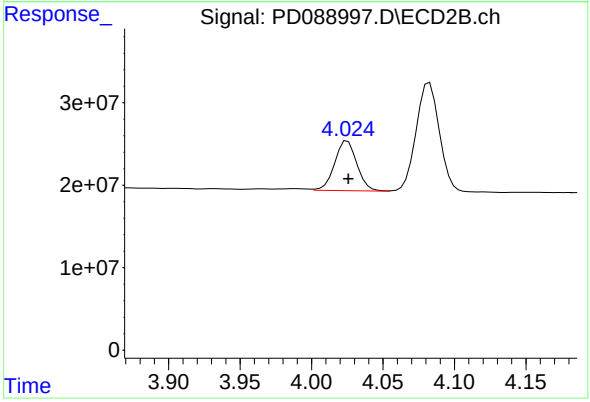
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 143035789
Conc: 6.18 ng/ml



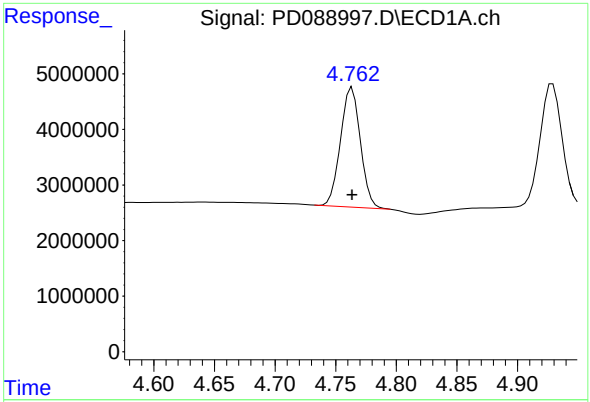
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 12578663
Conc: 5.88 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 65433774
Conc: 6.42 ng/ml



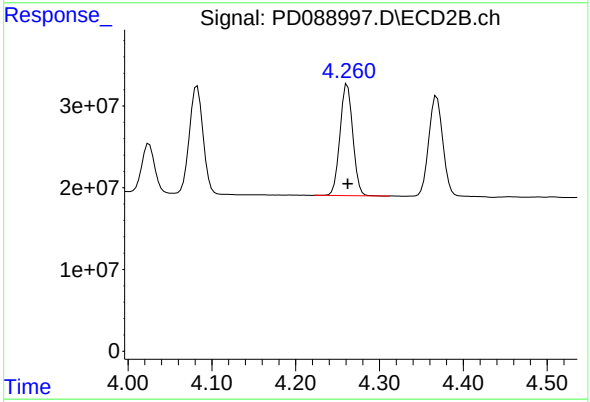
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 24463430
Conc: 4.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

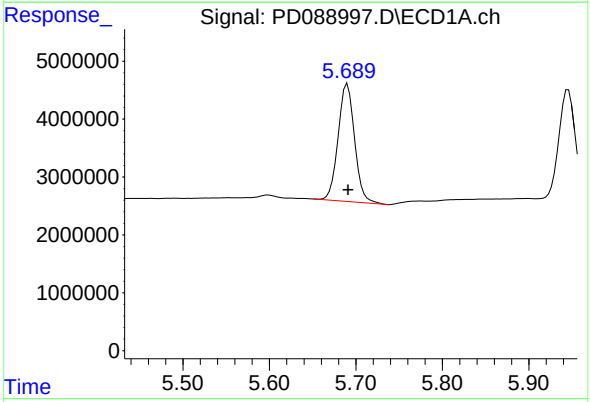
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



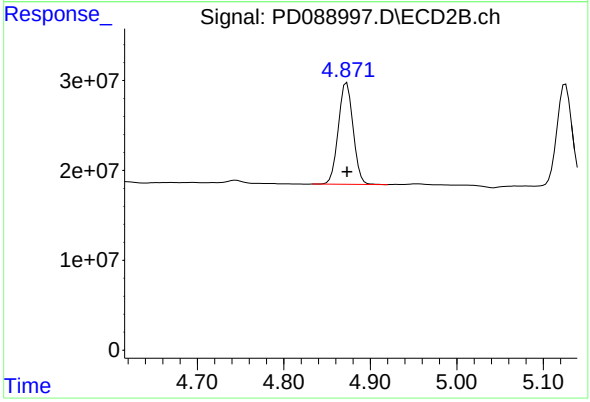
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 145015026
Conc: 6.06 ng/ml



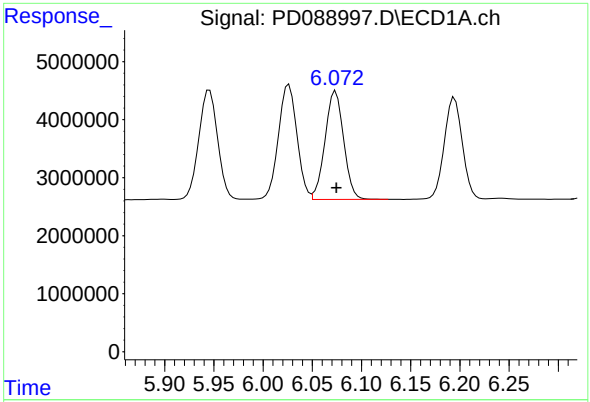
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 26734361
Conc: 5.63 ng/ml



#8 Heptachlor epoxide

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 133176110
Conc: 6.39 ng/ml



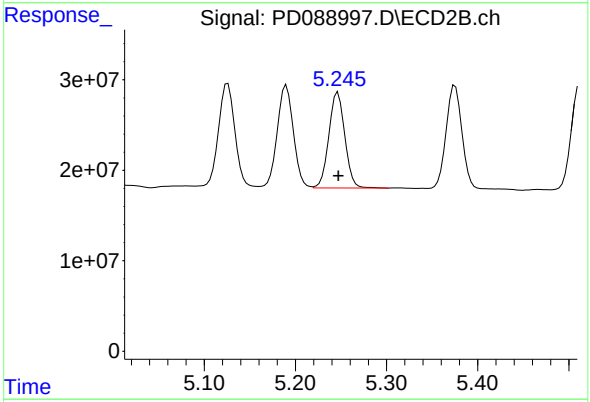
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 24592339
Conc: 5.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

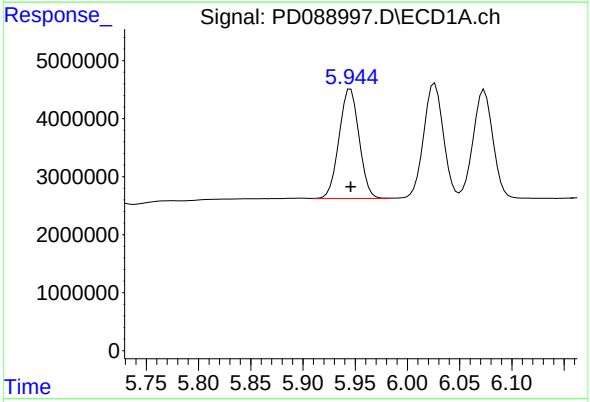
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



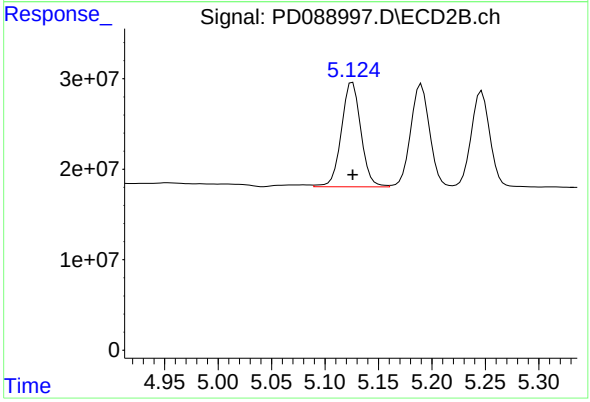
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 128862837
Conc: 6.67 ng/ml



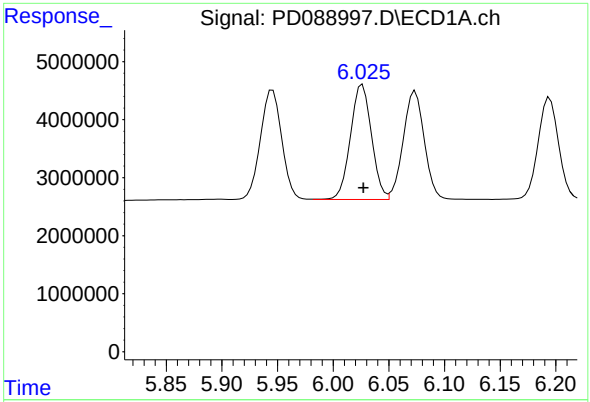
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 25225085
Conc: 5.35 ng/ml



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 146743904
Conc: 6.52 ng/ml



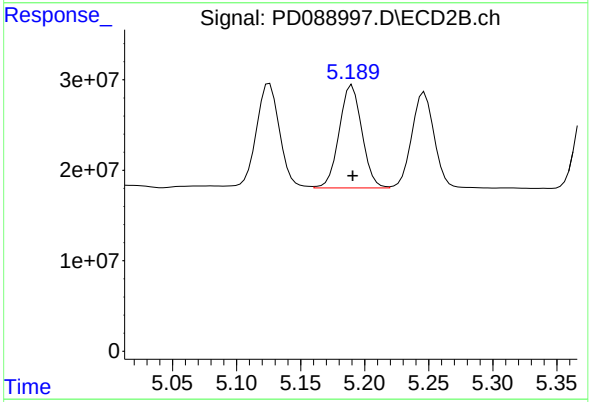
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 26148512
Conc: 5.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

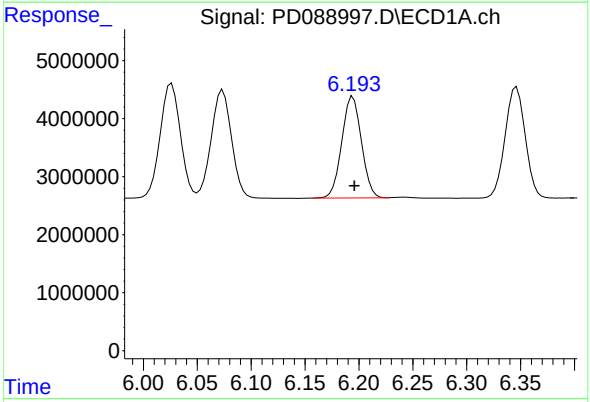
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



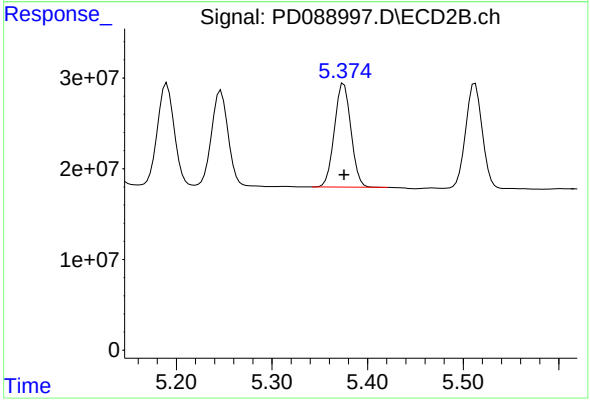
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 140296498
Conc: 6.50 ng/ml



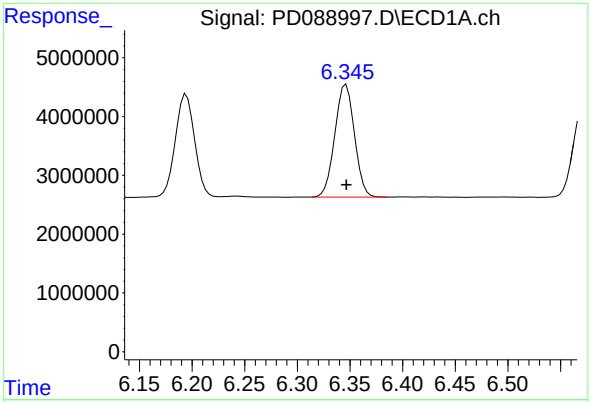
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.002 min
Response: 22175565
Conc: 5.14 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 137044852
Conc: 6.28 ng/ml



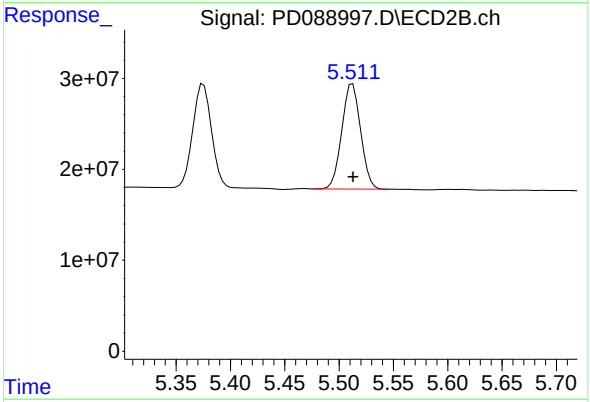
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 24894050
Conc: 5.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

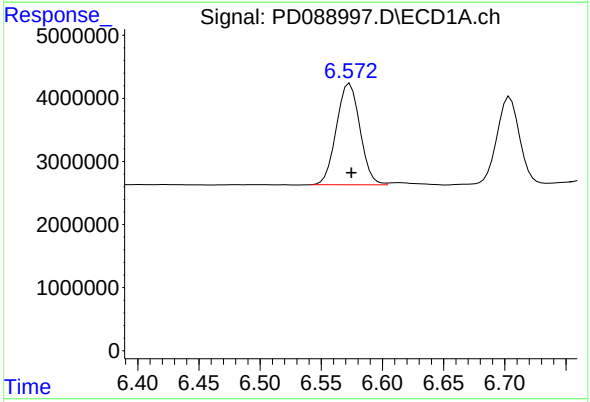
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



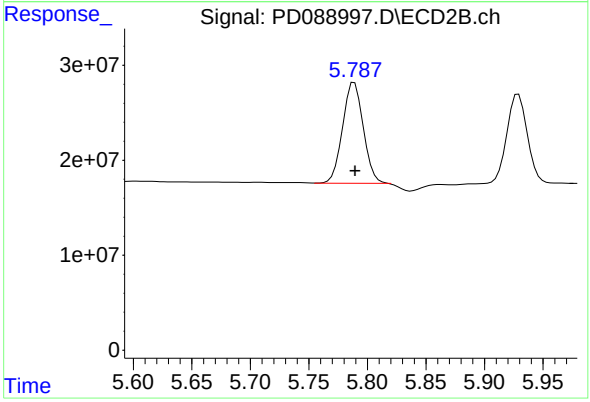
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 139596232
Conc: 6.31 ng/ml



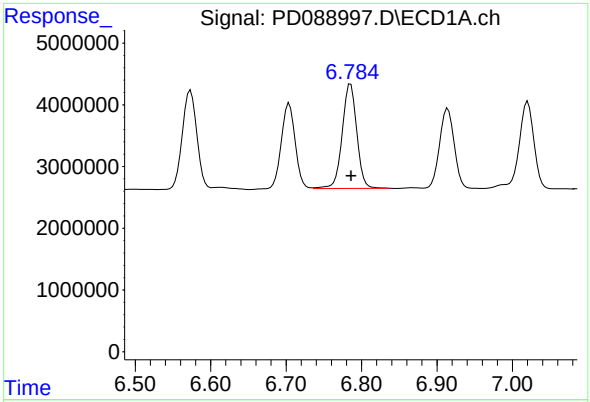
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 21528490
Conc: 5.26 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 131032277
Conc: 6.35 ng/ml m



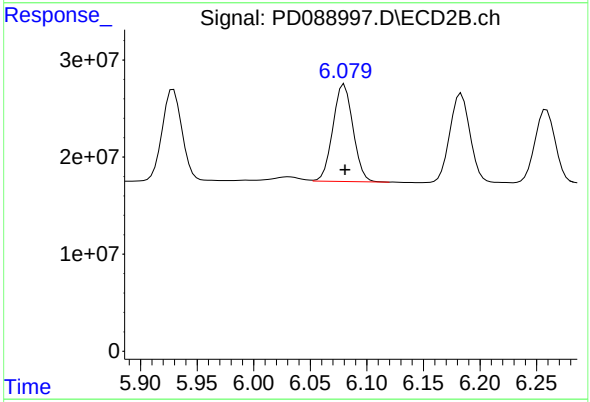
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 22765018
Conc: 5.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

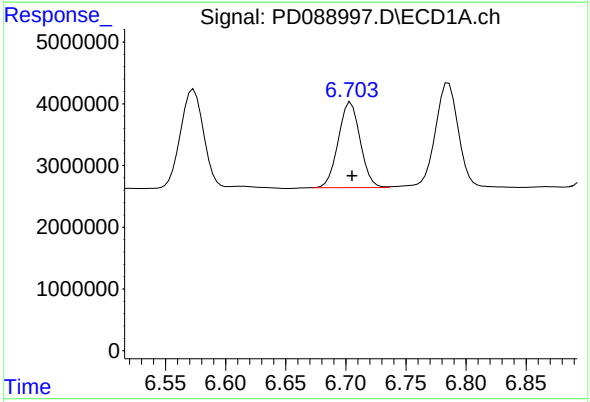
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



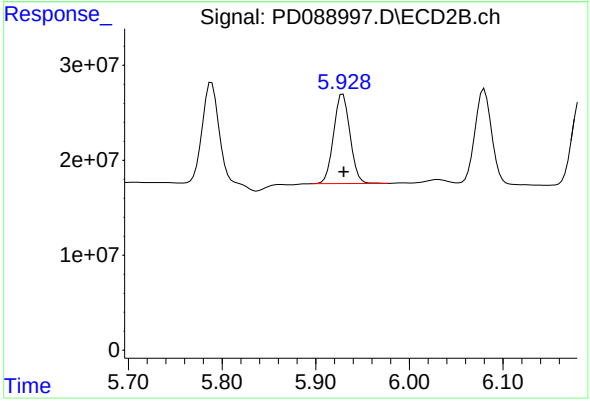
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 124233832
Conc: 6.51 ng/ml



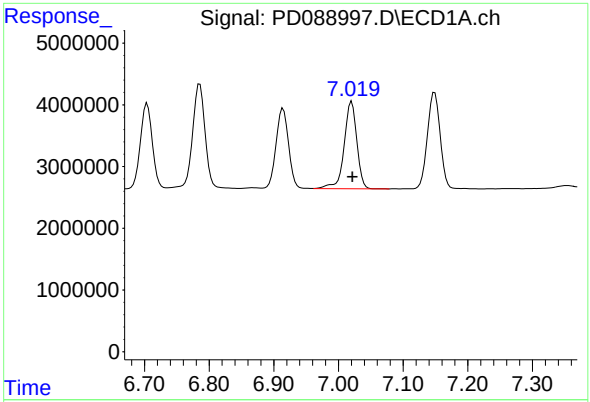
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 17603896
Conc: 5.16 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 114981099
Conc: 6.32 ng/ml



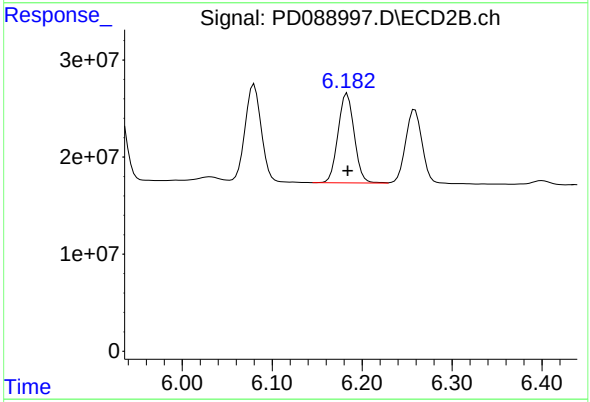
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 19332472
Conc: 5.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

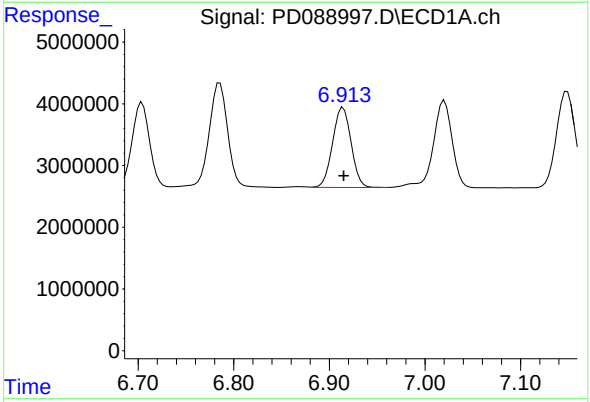
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



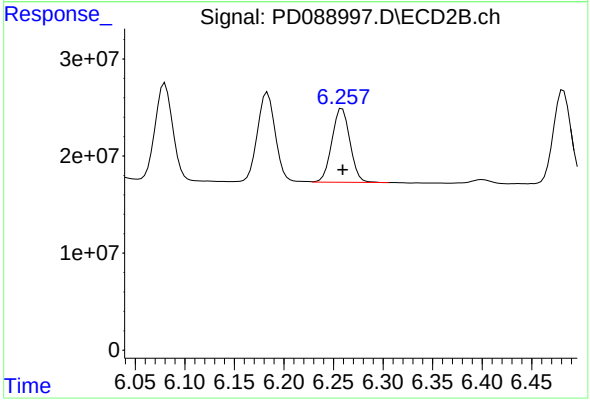
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 115392624
Conc: 5.89 ng/ml



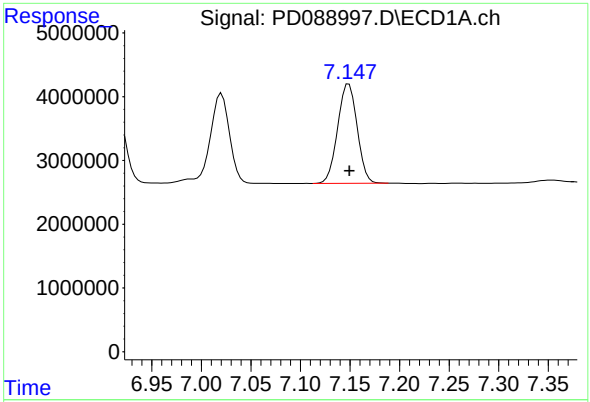
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 17443585
Conc: 5.88 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 96439397
Conc: 6.71 ng/ml



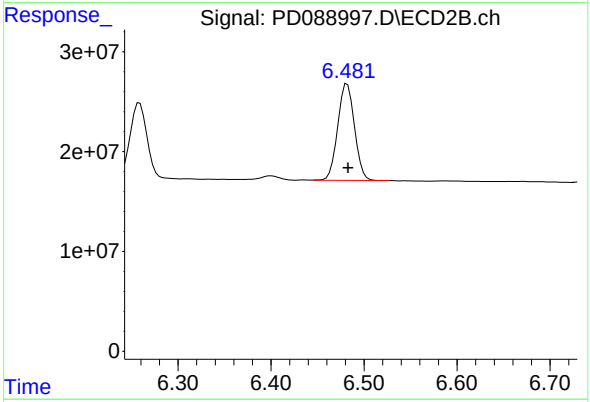
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 21359951
Conc: 5.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

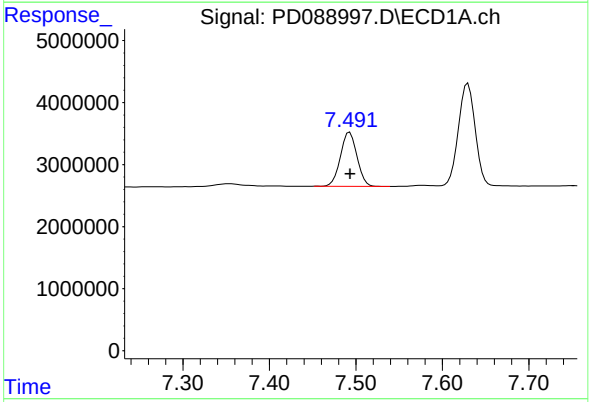
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



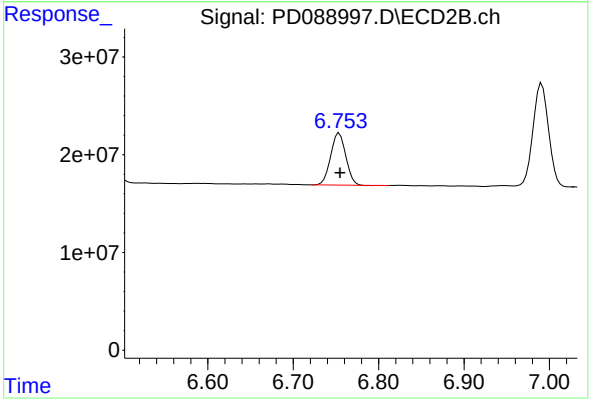
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 121172400
Conc: 6.55 ng/ml



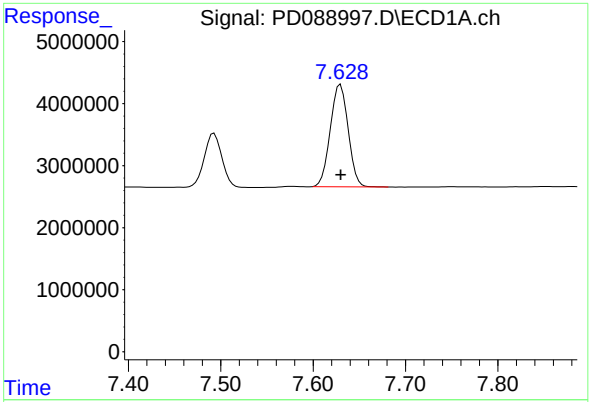
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 11522878
Conc: 5.84 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: -0.001 min
Response: 65700483
Conc: 6.40 ng/ml



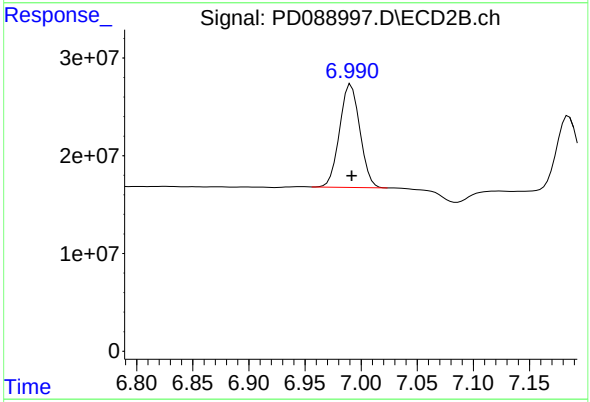
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 22217957
Conc: 5.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

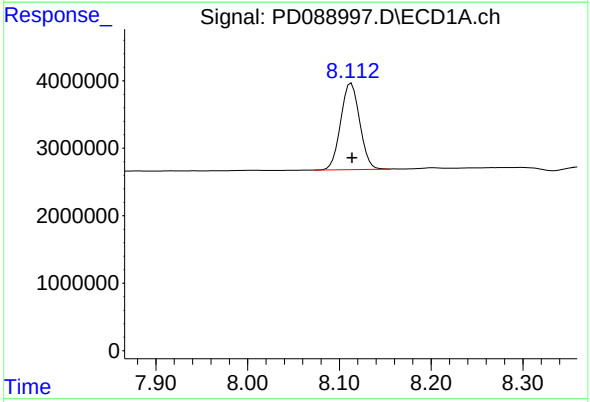
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



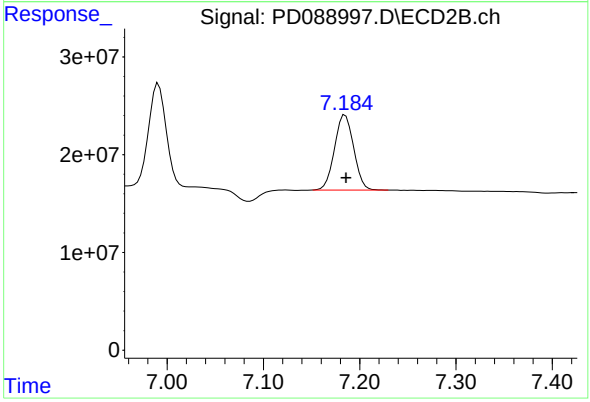
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 133073231
Conc: 6.51 ng/ml m



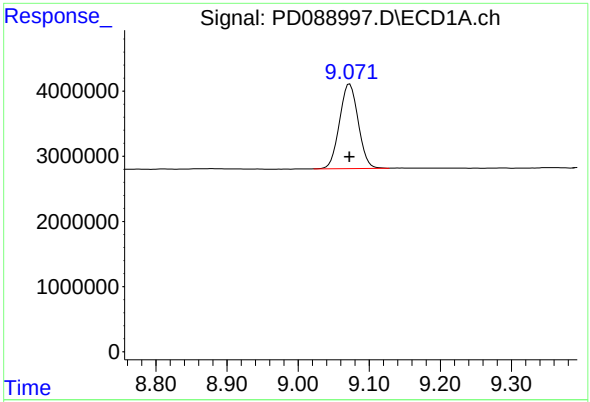
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 18484356
Conc: 6.37 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 106067660
Conc: 6.81 ng/ml



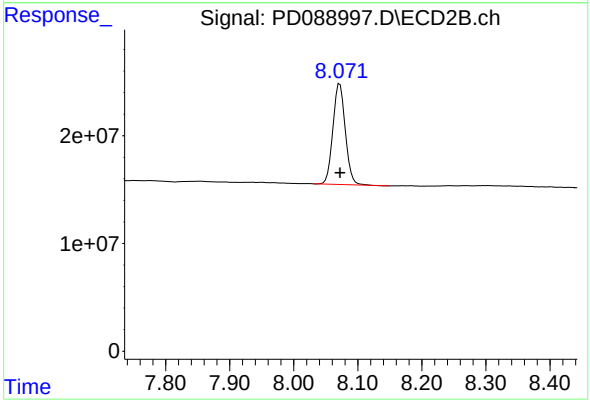
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 23699682
Conc: 6.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 125537439
Conc: 6.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
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: Jun 18 04:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:57:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.880	127.0E6	1003.3E6	50.000	50.000
28)	SA Decachlor...	9.072	8.072	175.3E6	940.3E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.715	3.905	103.3E6	448.7E6	500.000	500.000
24)	Chlordane-2	5.241	4.487	103.7E6	451.9E6	500.000	500.000
25)	Chlordane-3	5.946	5.126	425.8E6	1413.2E6	500.000	500.000
26)	Chlordane-4	6.032	5.190	511.2E6	1191.6E6	500.000	500.000
27)	Chlordane-5	6.870	6.090	88549137	546.3E6	500.000	500.000

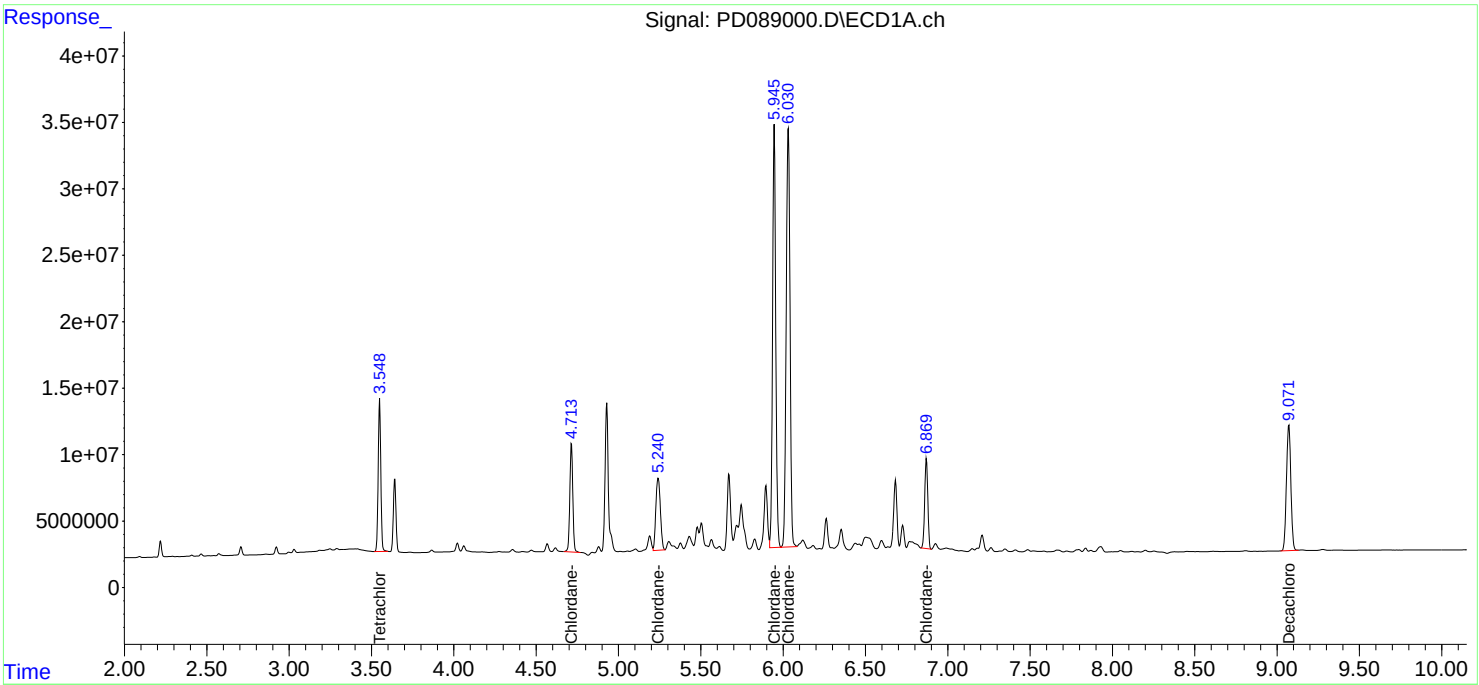
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

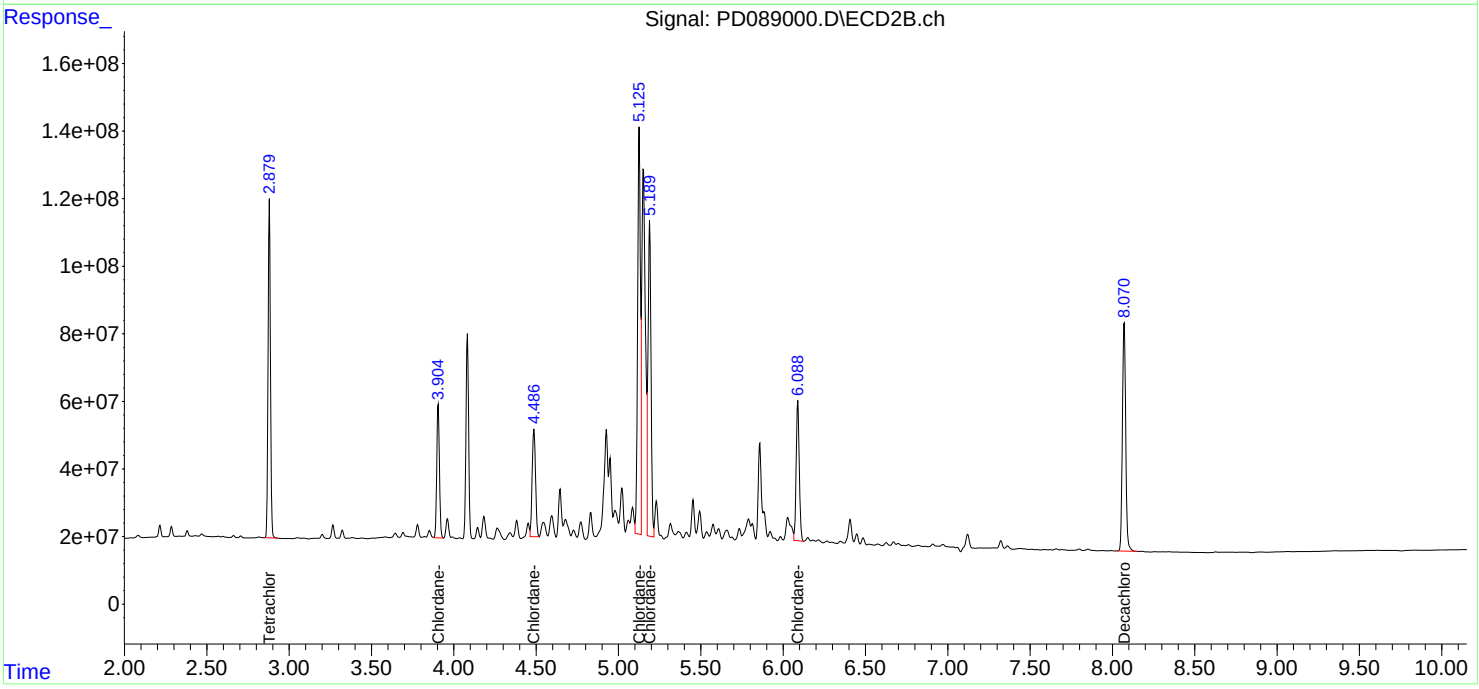
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

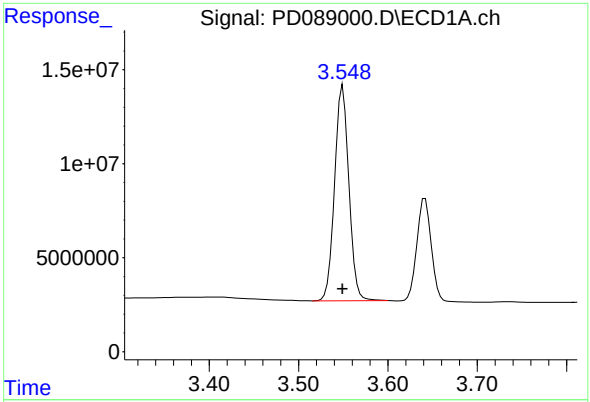
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:57:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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



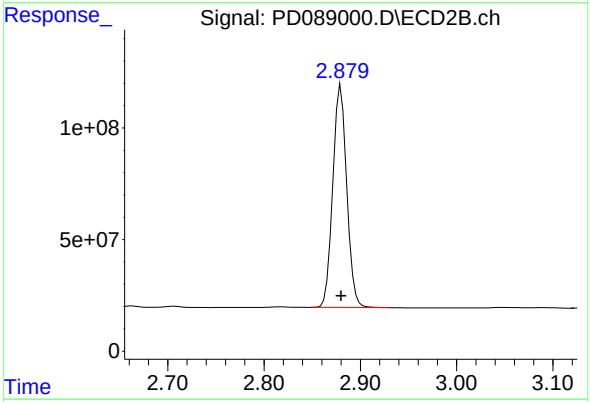




#1 Tetrachloro-m-xylene

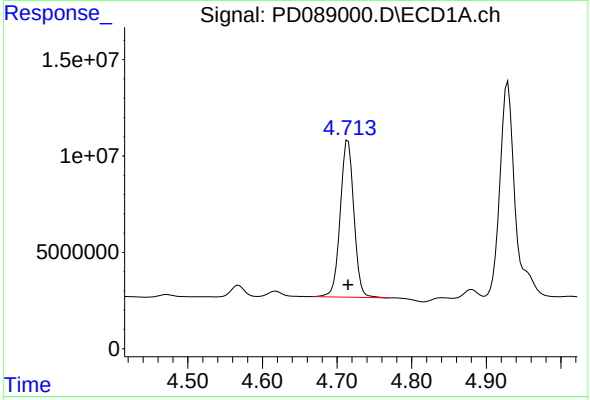
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 127024090
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



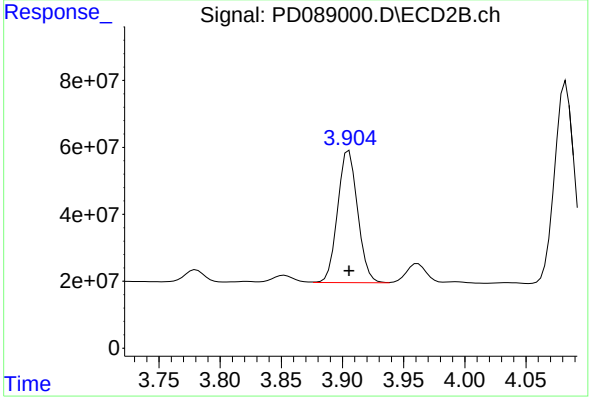
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 1003268429
Conc: 50.00 ng/ml



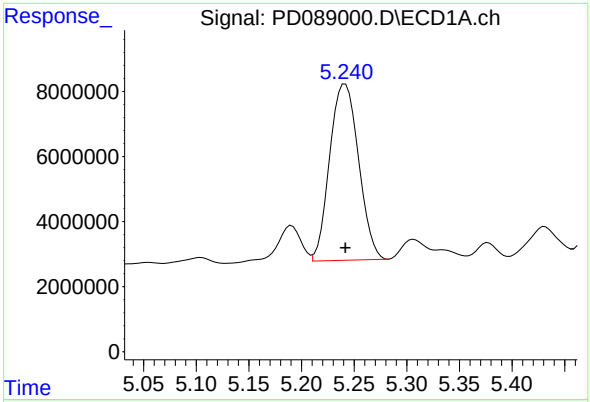
#23 Chlordane-1

R.T.: 4.715 min
Delta R.T.: 0.000 min
Response: 103313280
Conc: 500.00 ng/ml



#23 Chlordane-1

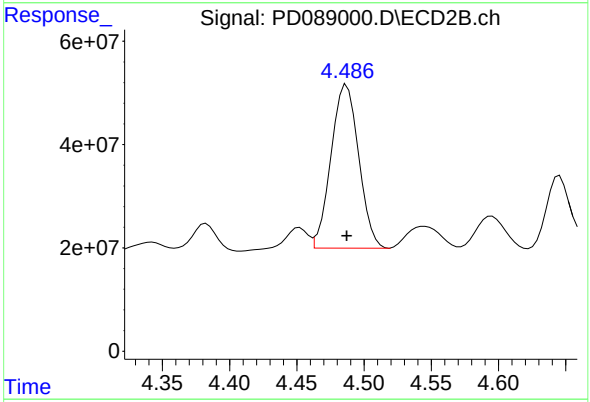
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 448703354
Conc: 500.00 ng/ml



#24 Chlordane-2

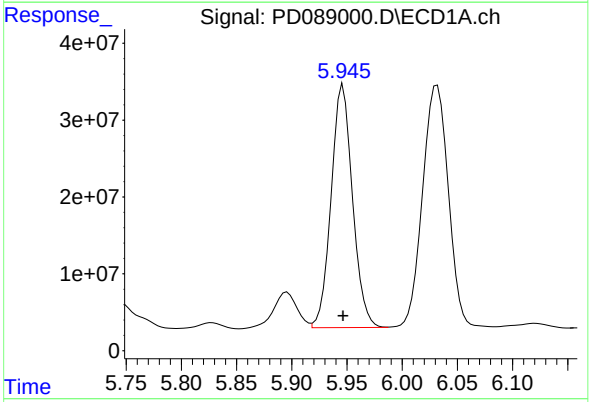
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 103710852
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



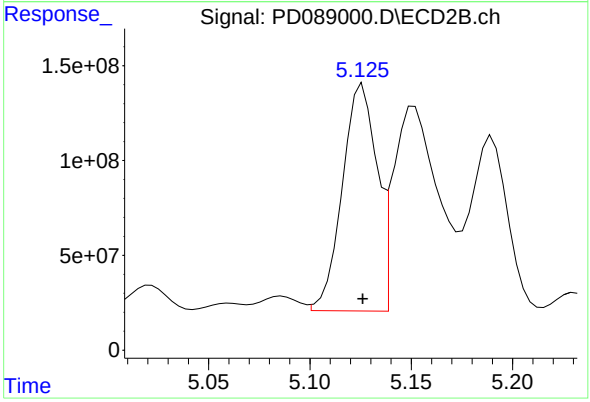
#24 Chlordane-2

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 451944418
Conc: 500.00 ng/ml



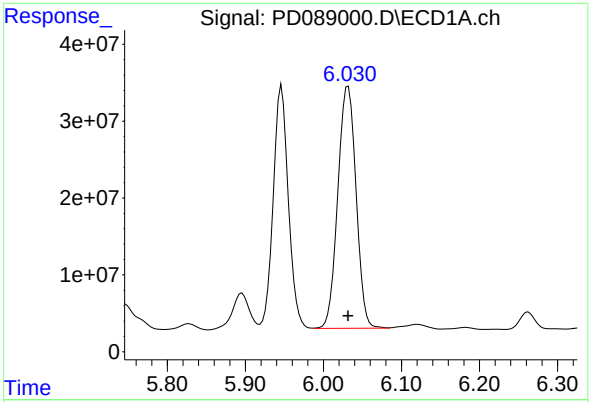
#25 Chlordane-3

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 425836419
Conc: 500.00 ng/ml



#25 Chlordane-3

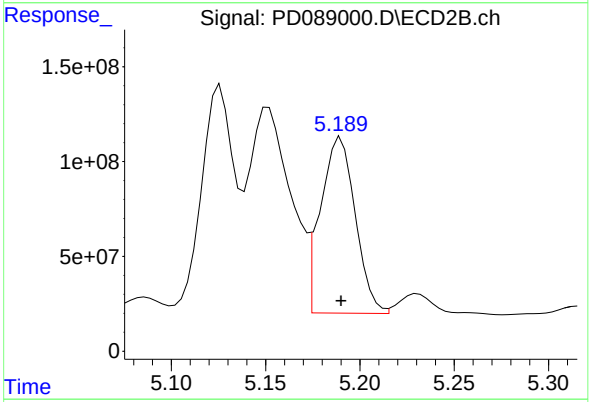
R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 1413195243
Conc: 500.00 ng/ml



#26 Chlordane-4

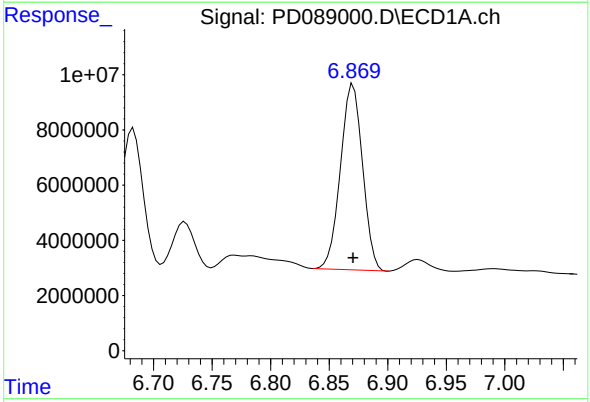
R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 511208180
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



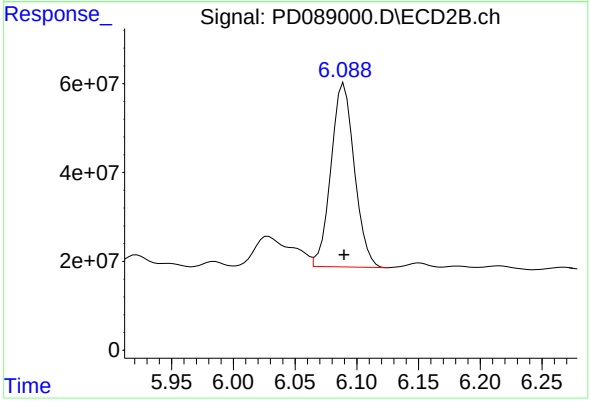
#26 Chlordane-4

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1191638120
Conc: 500.00 ng/ml



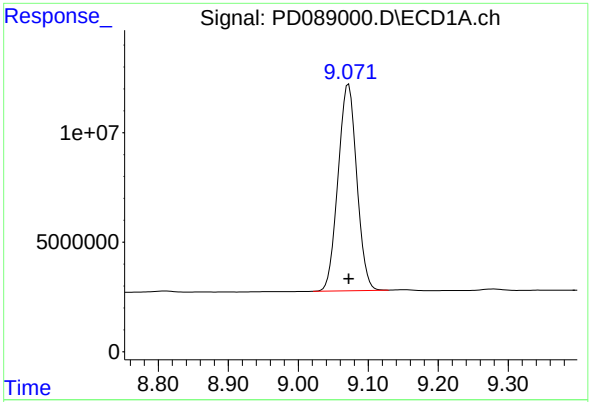
#27 Chlordane-5

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 88549137
Conc: 500.00 ng/ml



#27 Chlordane-5

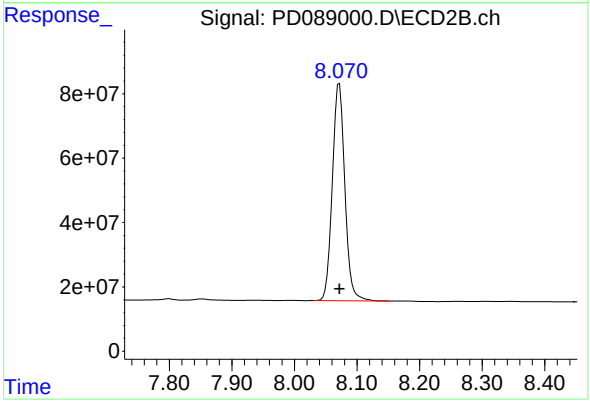
R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 546261535
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 175296764
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 940264020
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 18:36
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: Jun 18 04:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:29:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. 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...	3.549	2.880	143.6E6	868.2E6	50.000	50.000
7) SA	Decachlor...	9.071	8.071	194.1E6	1009.6E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.241	5.474	16800895	79079940	500.000	500.000
3)	Toxaphene-2	6.441	5.646	23764296	54409973	500.000	500.000
4)	Toxaphene-3	7.148	6.755	43646368	255.9E6	500.000	500.000
5)	Toxaphene-4	7.562	7.197	55678343	175.1E6	500.000	500.000
6)	Toxaphene-5	7.928	7.328	31556310	127.0E6	500.000	500.000

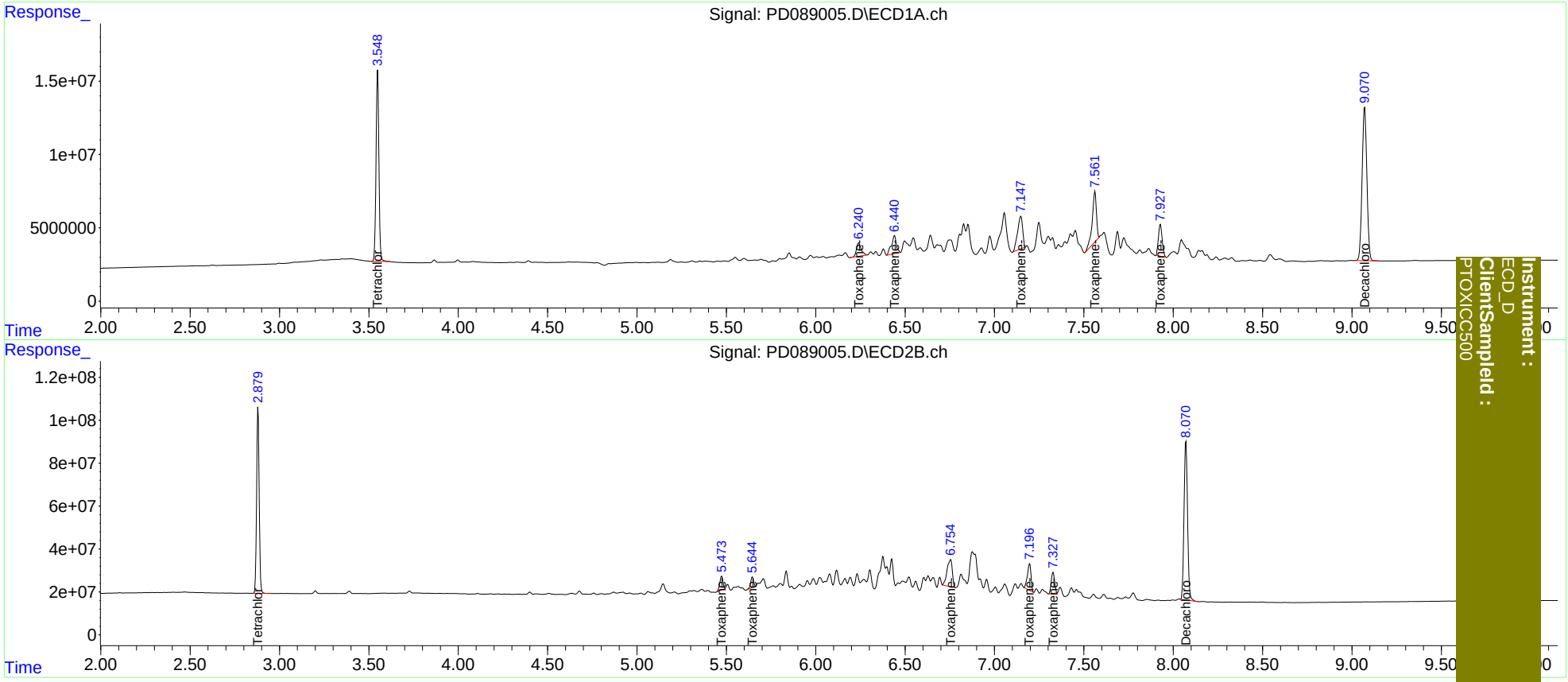
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

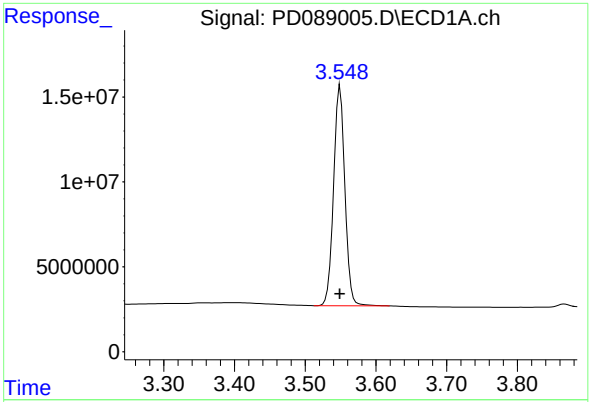
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 18:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:29:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

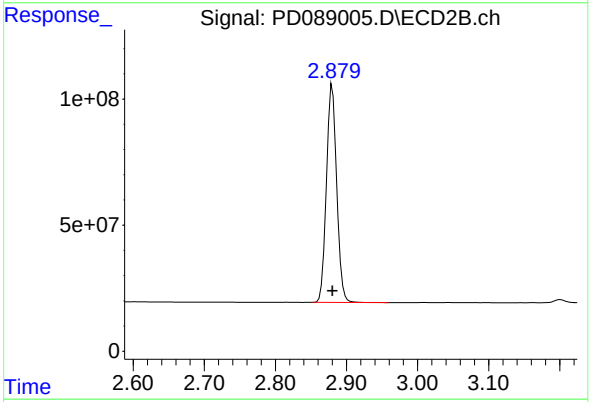




#1 Tetrachloro-m-xylene

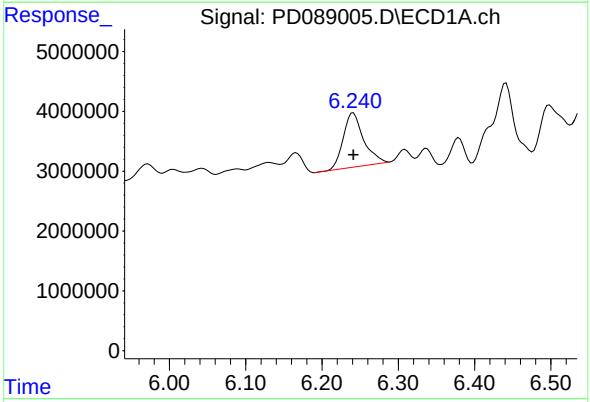
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 143642519
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



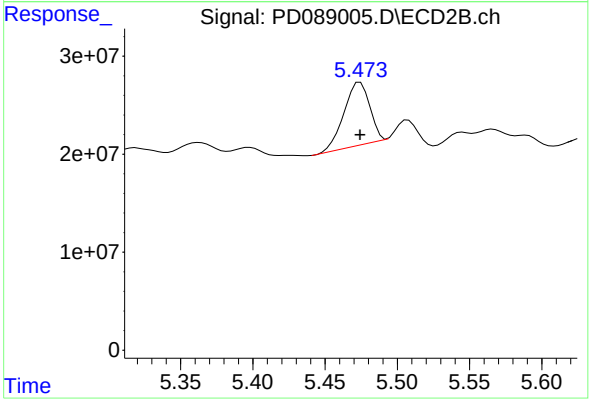
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 868171771
Conc: 50.00 ng/ml



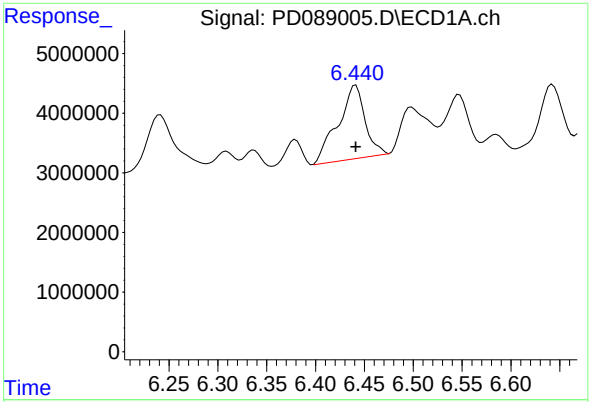
#2 Toxaphene-1

R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 16800895
Conc: 500.00 ng/ml



#2 Toxaphene-1

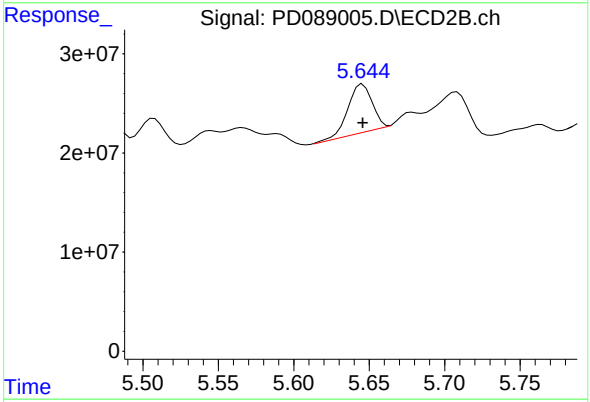
R.T.: 5.474 min
Delta R.T.: 0.000 min
Response: 79079940
Conc: 500.00 ng/ml



#3 Toxaphene-2

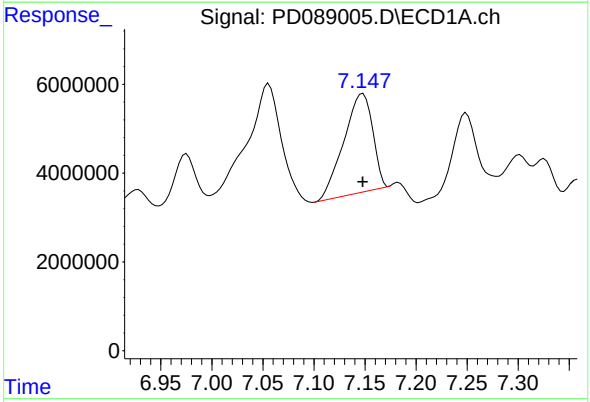
R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 23764296
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



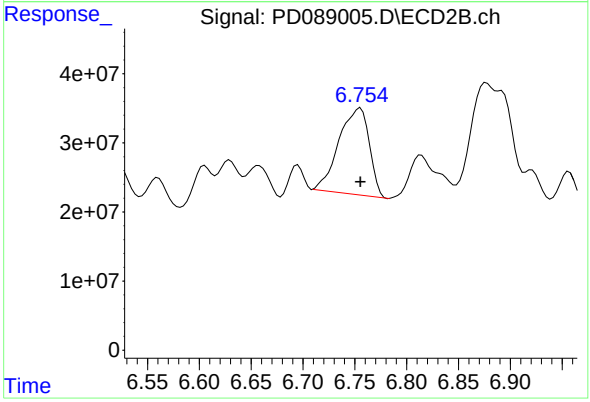
#3 Toxaphene-2

R.T.: 5.646 min
Delta R.T.: 0.000 min
Response: 54409973
Conc: 500.00 ng/ml



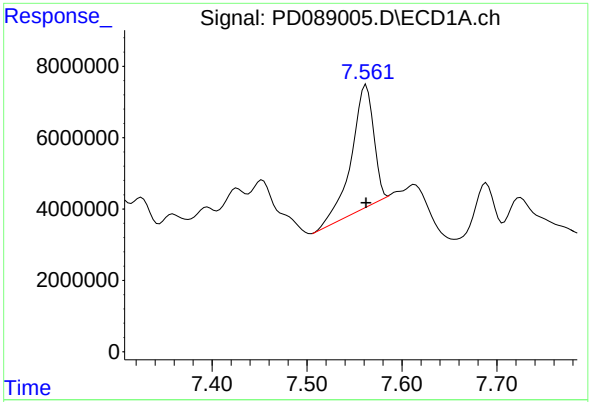
#4 Toxaphene-3

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 43646368
Conc: 500.00 ng/ml



#4 Toxaphene-3

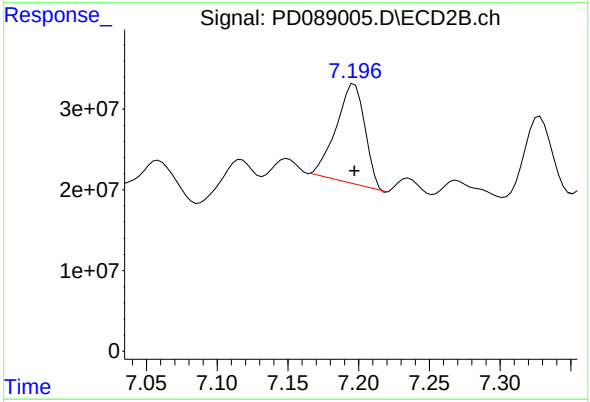
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 255927975
Conc: 500.00 ng/ml



#5 Toxaphene-4

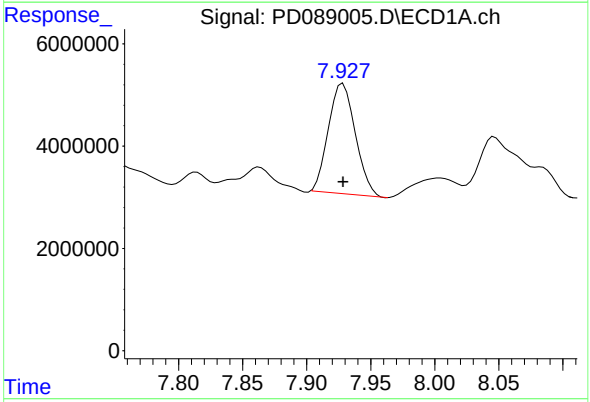
R.T.: 7.562 min
Delta R.T.: 0.000 min
Response: 55678343
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



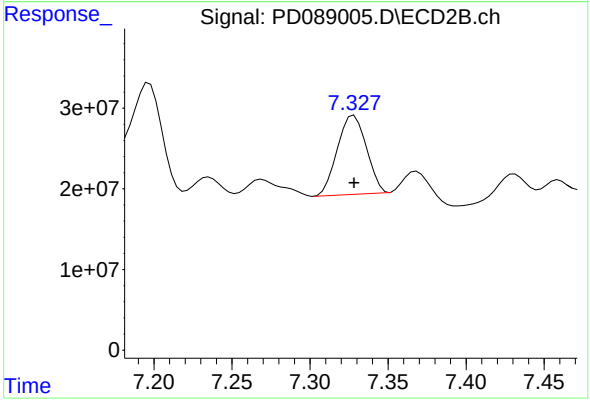
#5 Toxaphene-4

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 175072410
Conc: 500.00 ng/ml



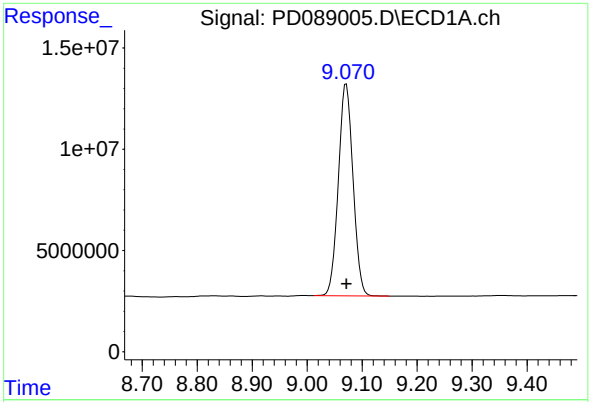
#6 Toxaphene-5

R.T.: 7.928 min
Delta R.T.: 0.000 min
Response: 31556310
Conc: 500.00 ng/ml



#6 Toxaphene-5

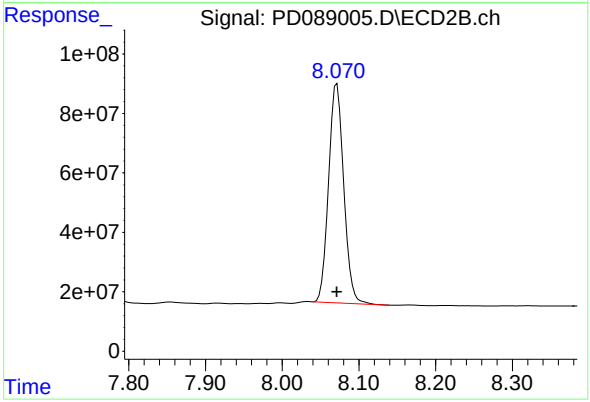
R.T.: 7.328 min
Delta R.T.: 0.000 min
Response: 126959914
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 194063906
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 1009589836
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD061825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.880	139.5E6	848.9E6	48.909	50.072
28)	SA Decachlor...	9.072	8.073	188.5E6	996.5E6	47.986	50.403
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	295.8E6	1350.4E6	50.737	50.394
3)	MA gamma-BHC...	4.330	3.729	280.5E6	1249.3E6	50.254	50.462
4)	MA Heptachlor	4.929	4.082	270.9E6	1252.2E6	49.682	50.010
5)	MB Aldrin	5.271	4.368	265.0E6	1218.5E6	49.876	50.317
6)	B beta-BHC	4.515	4.025	107.7E6	537.8E6	48.800	50.043
7)	B delta-BHC	4.764	4.262	261.5E6	1252.0E6	50.946	50.333
8)	B Heptachlo...	5.691	4.872	235.4E6	1093.7E6	48.806	49.946
9)	A Endosulfan I	6.075	5.247	222.0E6	1045.8E6	49.252	50.175
10)	B gamma-Chl...	5.946	5.126	237.3E6	1184.2E6	49.570	49.500
11)	B alpha-Chl...	6.027	5.190	238.3E6	1135.5E6	49.257	49.590
12)	B 4,4'-DDE	6.195	5.375	217.6E6	1145.1E6	49.901	49.970
13)	MA Dieldrin	6.347	5.513	238.9E6	1159.0E6	49.793	49.940
14)	MA Endrin	6.574	5.790	203.1E6	1100.0E6	49.223	50.657
15)	B Endosulfa...	6.786	6.081	195.6E6	1002.6E6	48.453	49.643
16)	A 4,4'-DDD	6.705	5.930	170.0E6	955.9E6	49.526	49.972
17)	MA 4,4'-DDT	7.021	6.184	188.0E6	1027.1E6	49.627	50.650
18)	B Endrin al...	6.915	6.259	149.8E6	759.8E6	48.894	49.621
19)	B Endosulfa...	7.149	6.483	187.3E6	976.2E6	48.824	49.755
20)	A Methoxychlor	7.493	6.755	98271542	536.8E6	48.634	49.853
21)	B Endrin ke...	7.630	6.992	200.8E6	1076.8E6	49.300	49.848
22)	Mirex	8.114	7.186	147.3E6	825.2E6	48.452	49.481

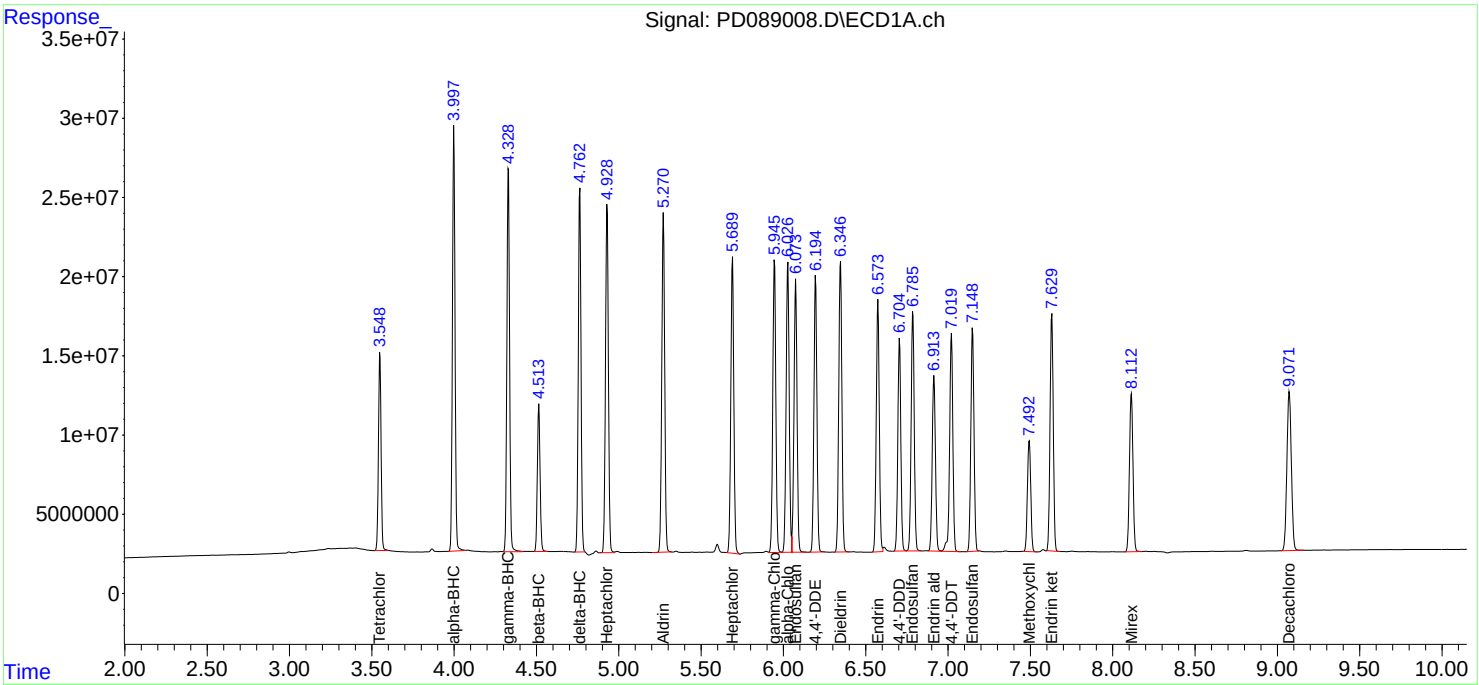
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

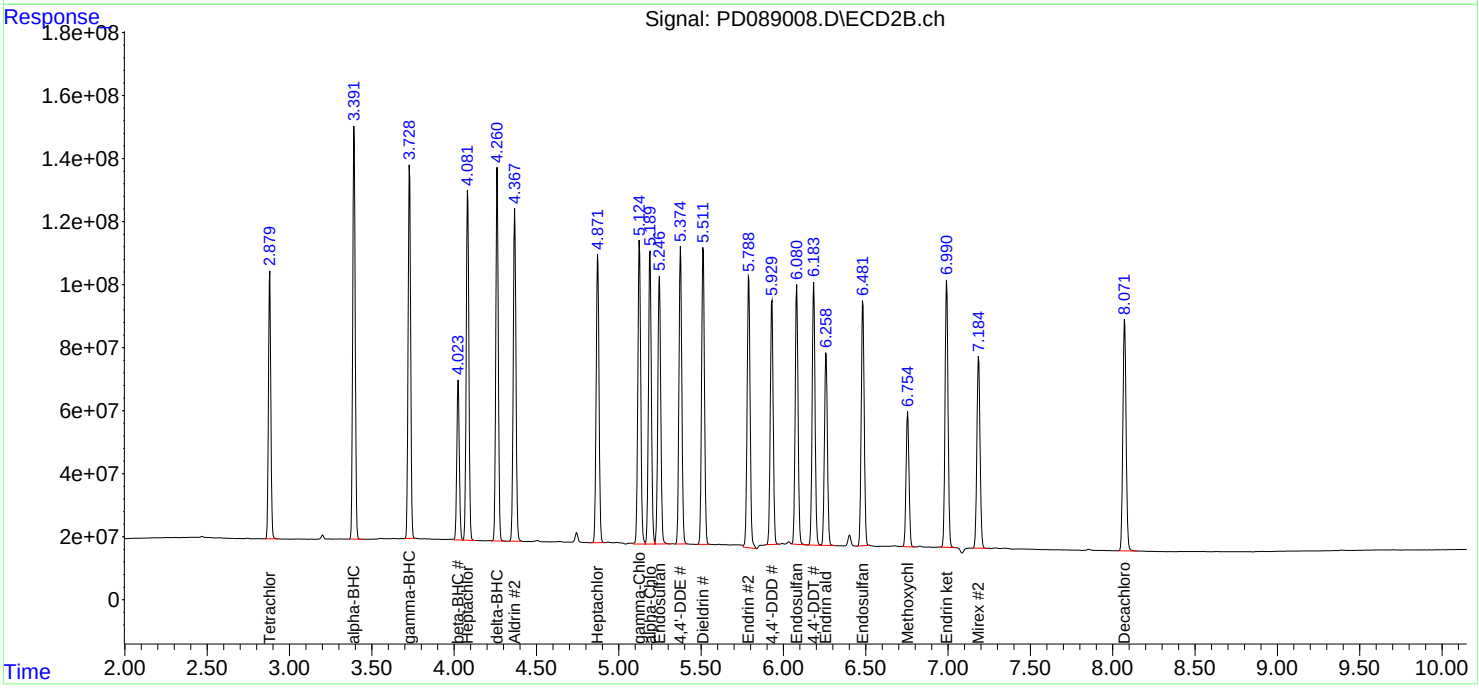
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

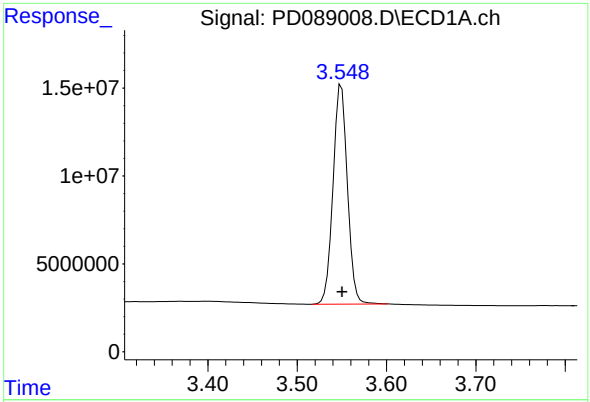
Instrument :
ECD_D
ClientSampleId :
ICVPD061825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



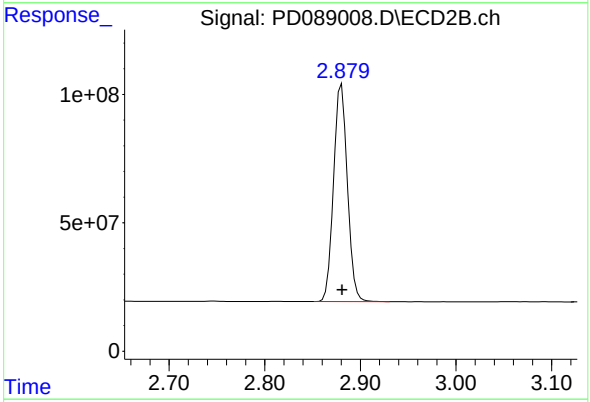




#1 Tetrachloro-m-xylene

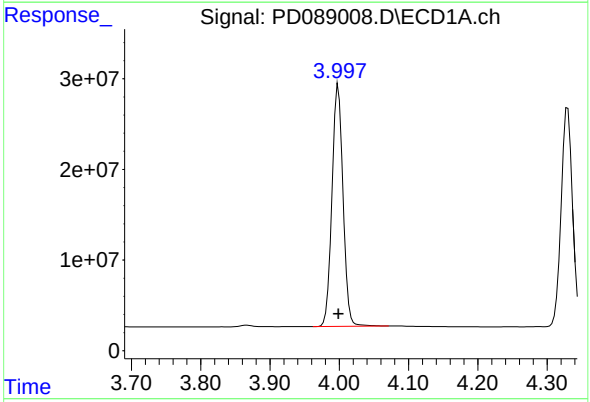
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 139544826
Conc: 48.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



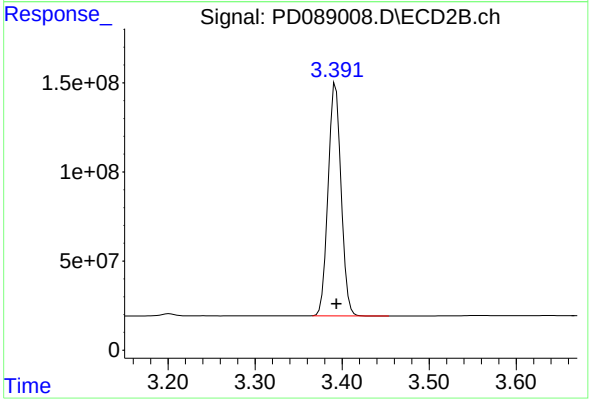
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 848884923
Conc: 50.07 ng/ml



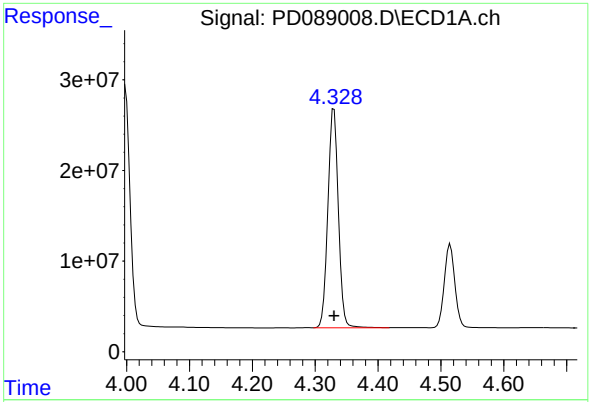
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 295751646
Conc: 50.74 ng/ml



#2 alpha-BHC

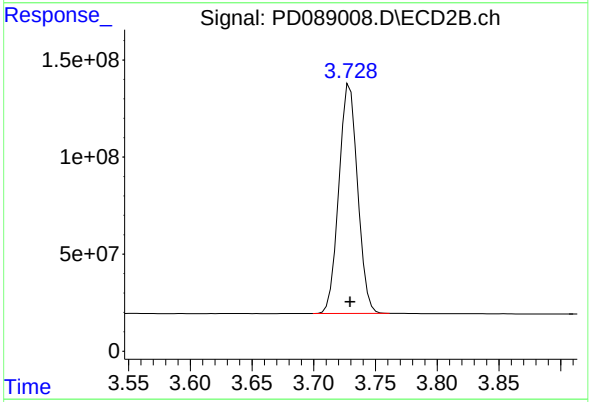
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1350410138
Conc: 50.39 ng/ml



#3 gamma-BHC (Lindane)

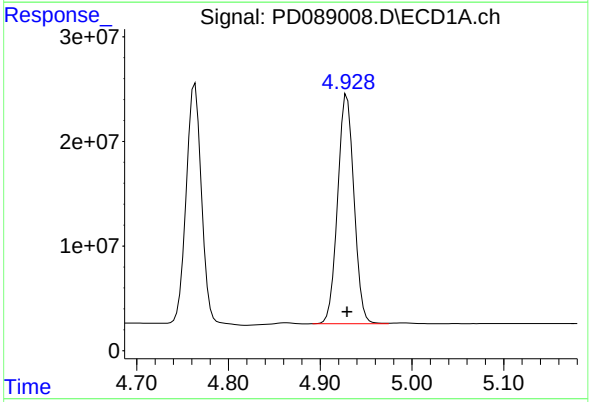
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 280502860
Conc: 50.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



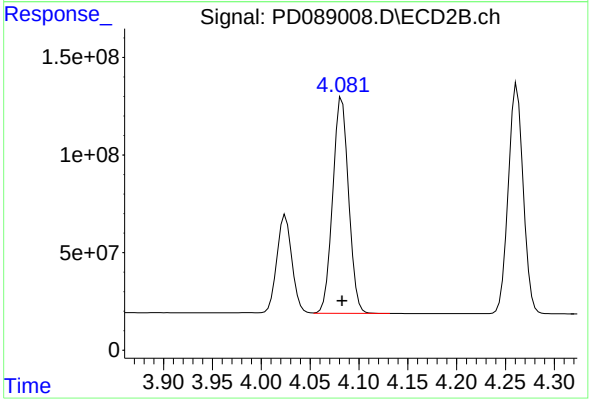
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1249284991
Conc: 50.46 ng/ml



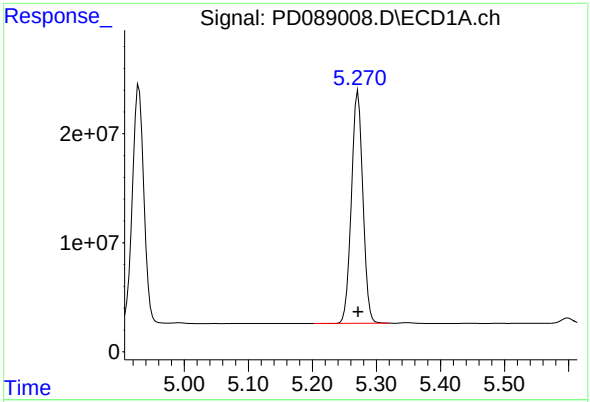
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 270866052
Conc: 49.68 ng/ml



#4 Heptachlor

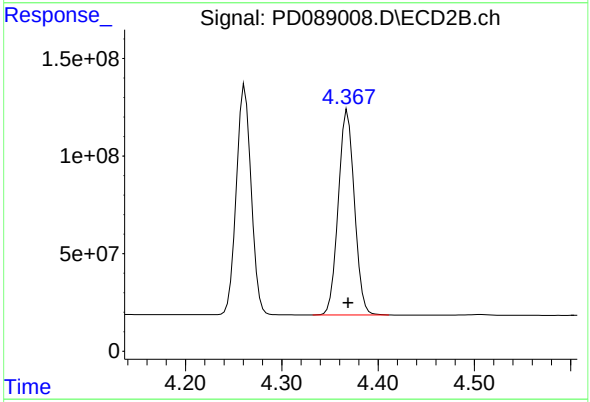
R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1252171539
Conc: 50.01 ng/ml



#5 Aldrin

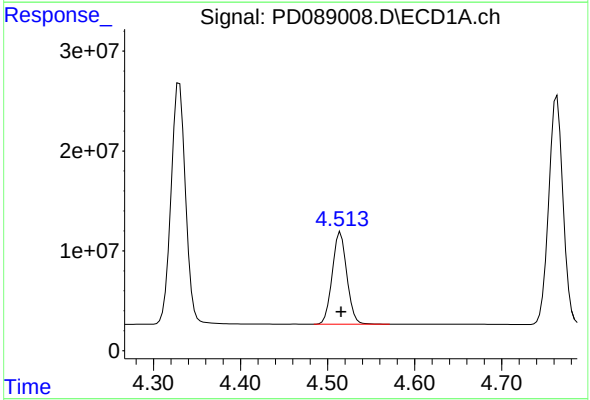
R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 264988878
Conc: 49.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



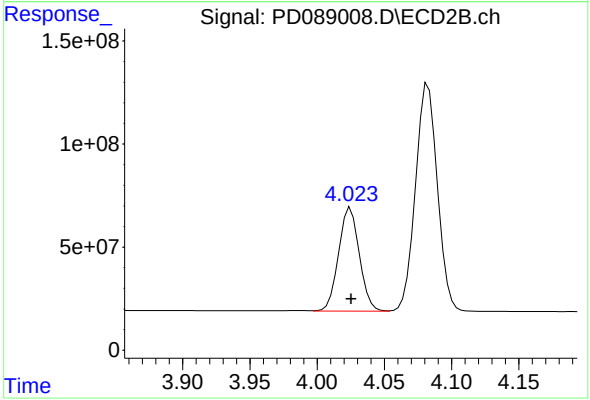
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1218536762
Conc: 50.32 ng/ml



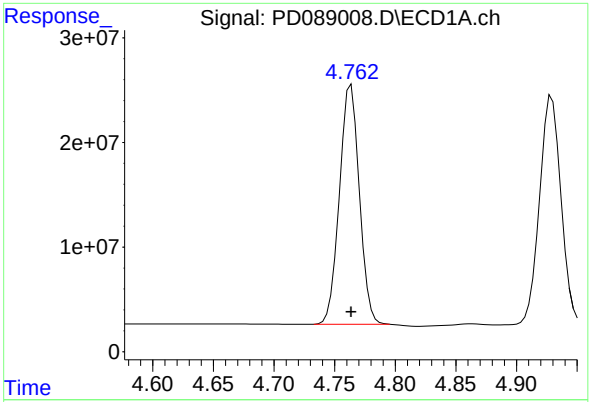
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 107708382
Conc: 48.80 ng/ml



#6 beta-BHC

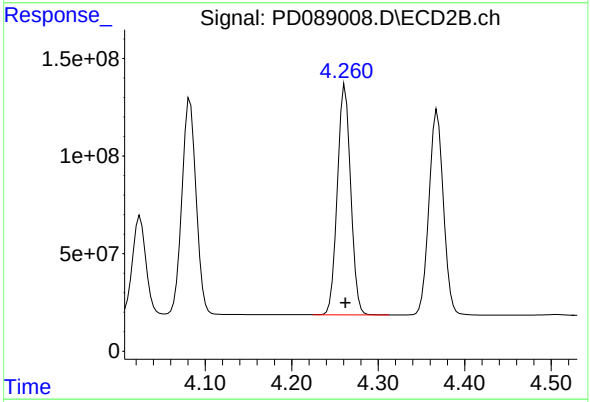
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 537772027
Conc: 50.04 ng/ml



#7 delta-BHC

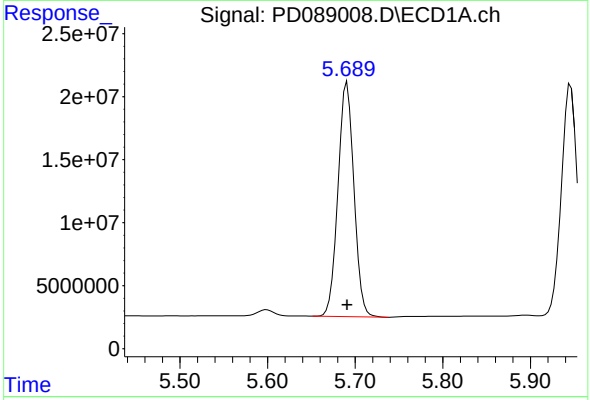
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 261499267
Conc: 50.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



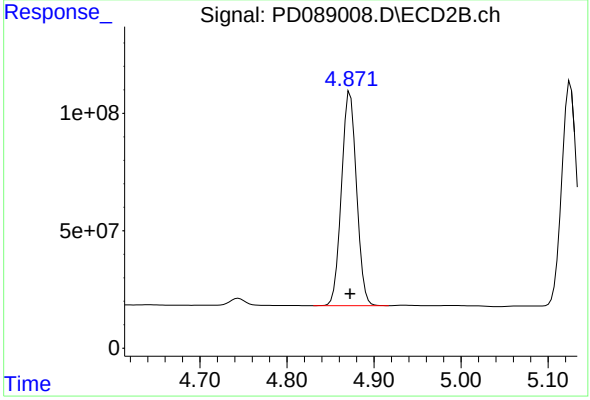
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1251961807
Conc: 50.33 ng/ml



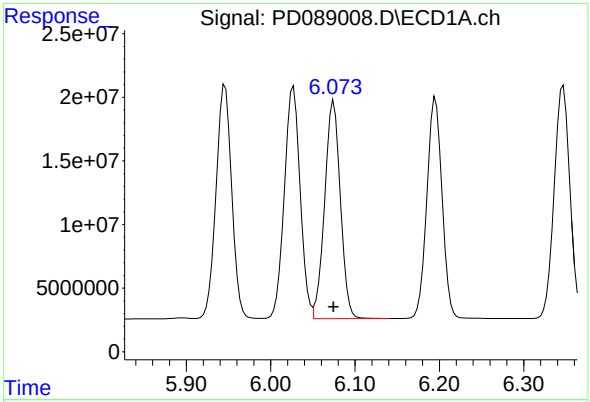
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 235435080
Conc: 48.81 ng/ml



#8 Heptachlor epoxide

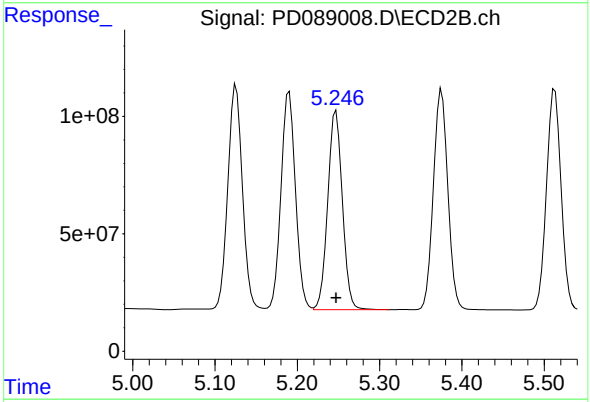
R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1093730440
Conc: 49.95 ng/ml



#9 Endosulfan I

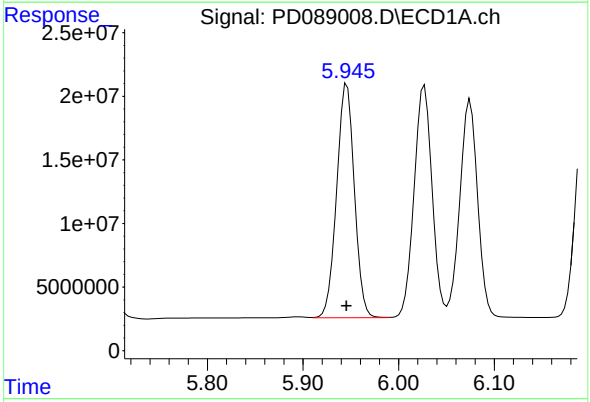
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 221998912
Conc: 49.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



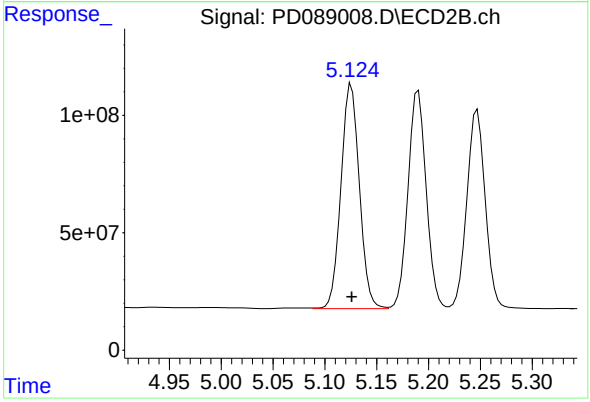
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 1045767955
Conc: 50.17 ng/ml



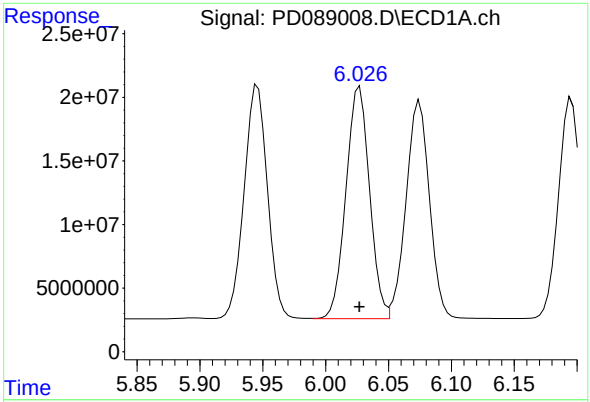
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 237344856
Conc: 49.57 ng/ml



#10 gamma-Chlordane

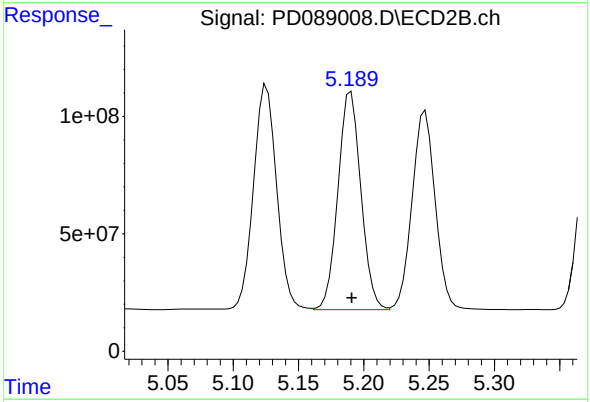
R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 1184180680
Conc: 49.50 ng/ml



#11 alpha-Chlordane

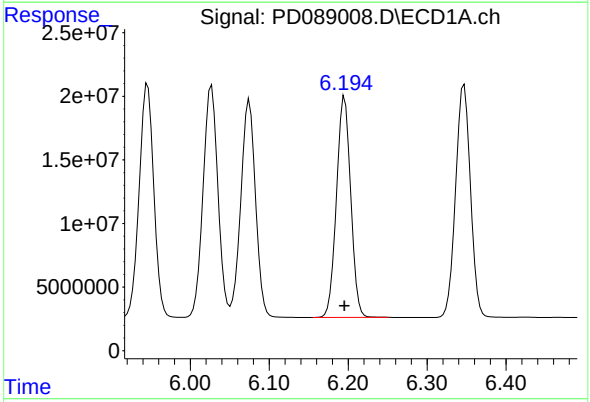
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 238332130
Conc: 49.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



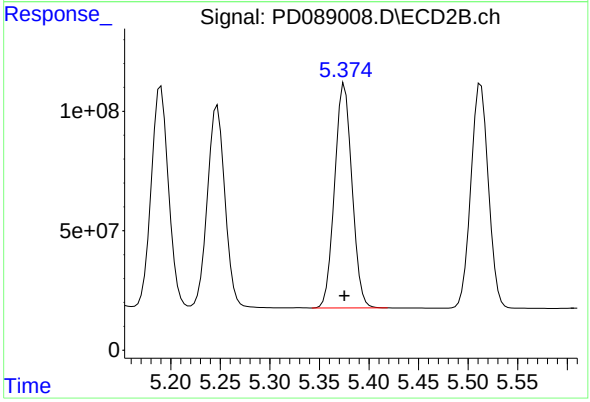
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1135454943
Conc: 49.59 ng/ml



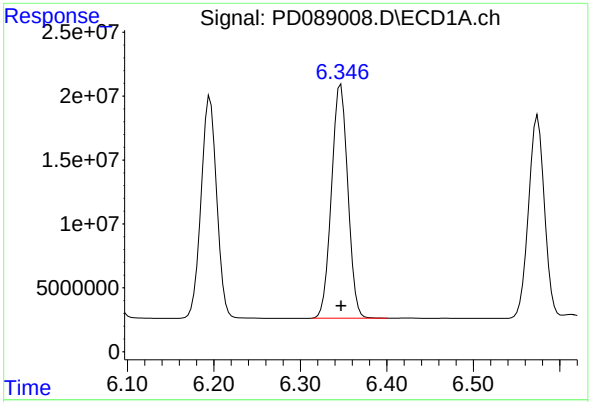
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 217619170
Conc: 49.90 ng/ml



#12 4,4'-DDE

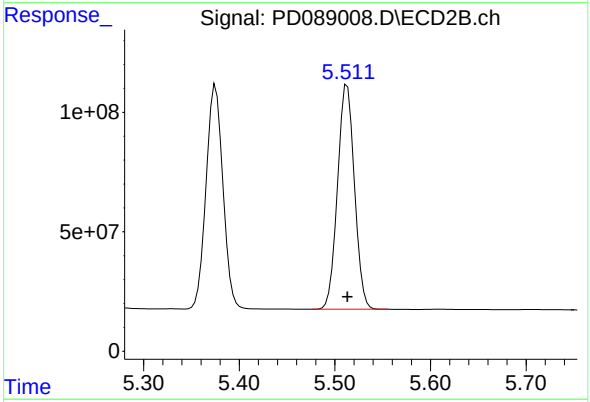
R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1145125883
Conc: 49.97 ng/ml



#13 Dieldrin

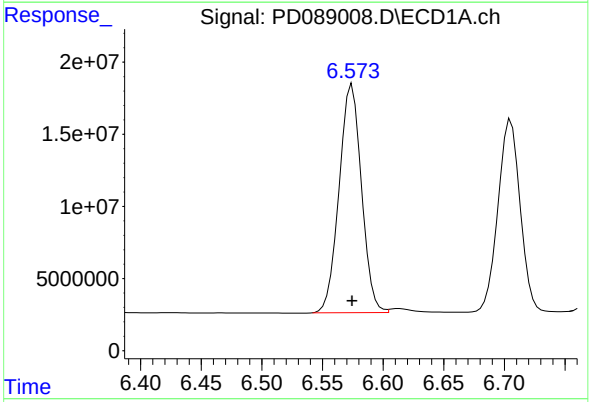
R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 238882588
Conc: 49.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



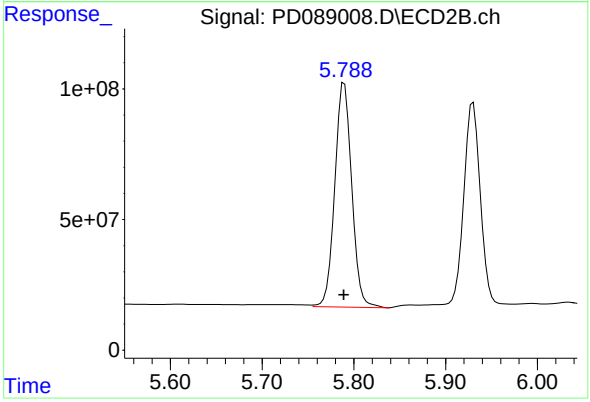
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 1159029578
Conc: 49.94 ng/ml



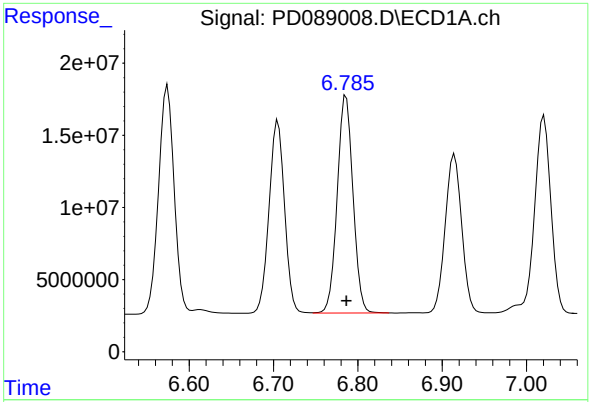
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 203075193
Conc: 49.22 ng/ml



#14 Endrin

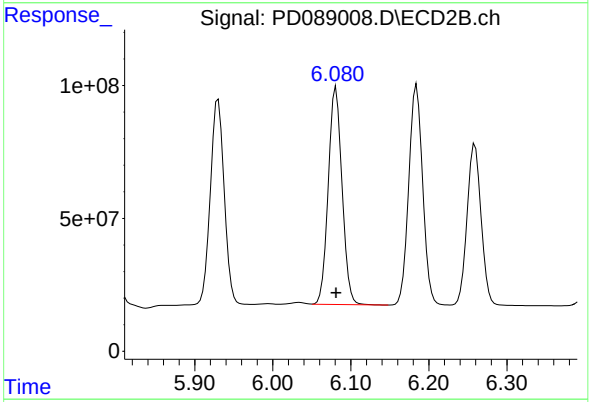
R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 1099952501
Conc: 50.66 ng/ml



#15 Endosulfan II

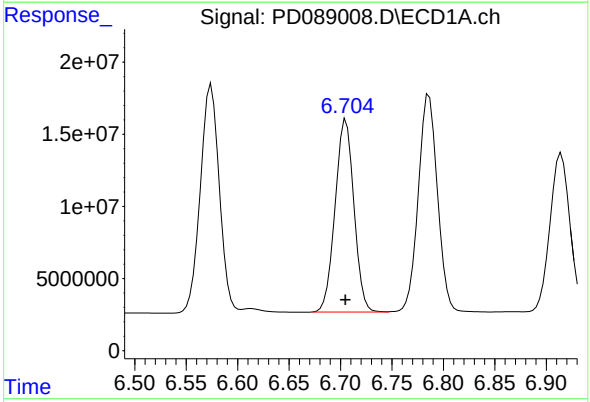
R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 195587109
Conc: 48.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



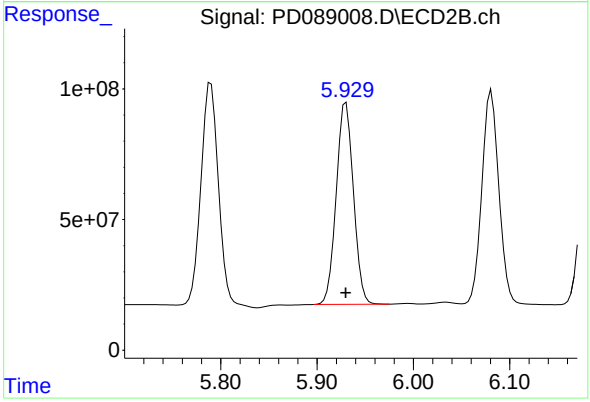
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 1002612311
Conc: 49.64 ng/ml



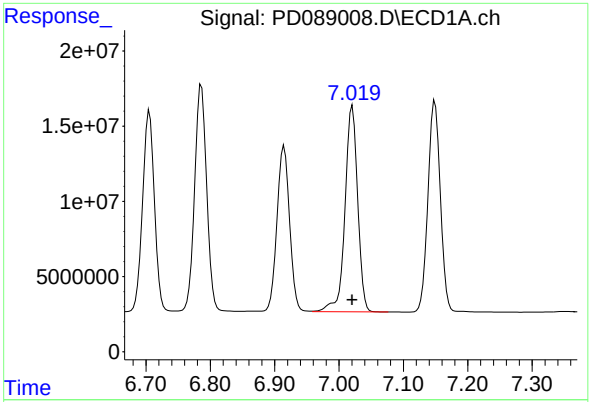
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 169976895
Conc: 49.53 ng/ml



#16 4,4'-DDD

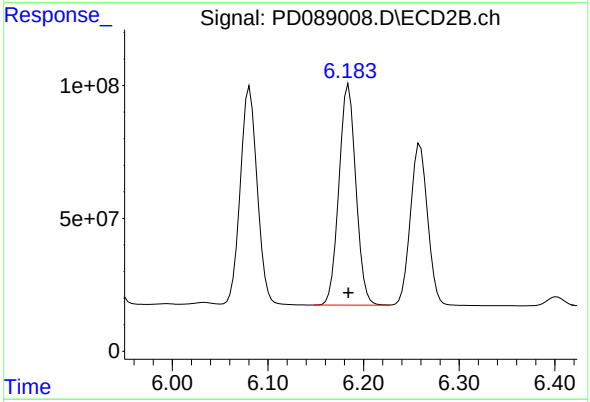
R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 955926869
Conc: 49.97 ng/ml



#17 4,4'-DDT

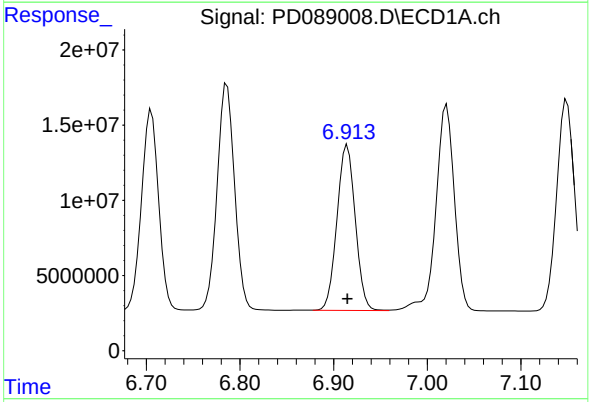
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 187996856
Conc: 49.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



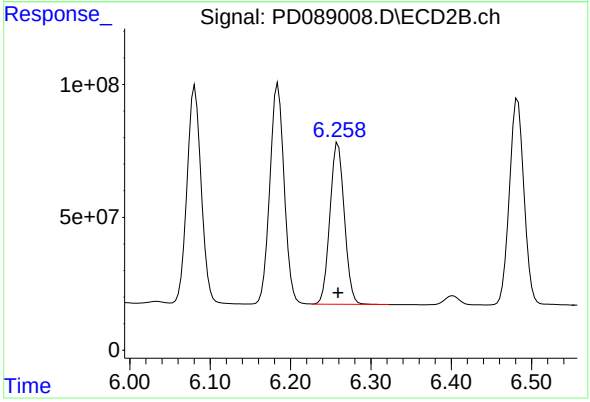
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 1027141421
Conc: 50.65 ng/ml



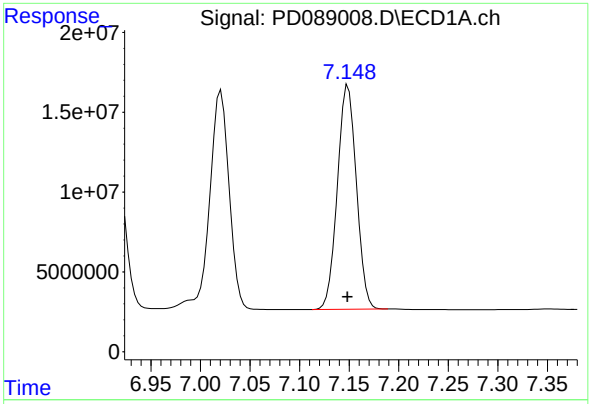
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 149807250
Conc: 48.89 ng/ml



#18 Endrin aldehyde

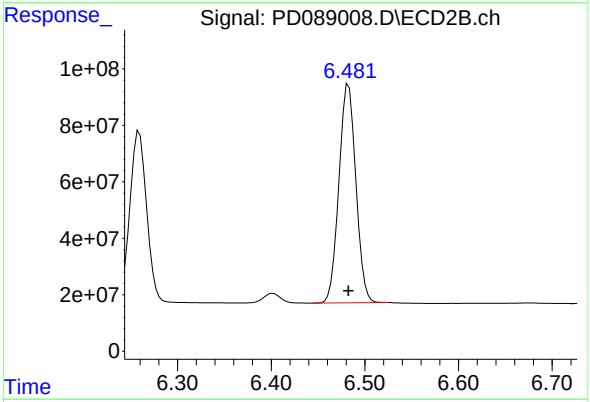
R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 759767052
Conc: 49.62 ng/ml



#19 Endosulfan Sulfate

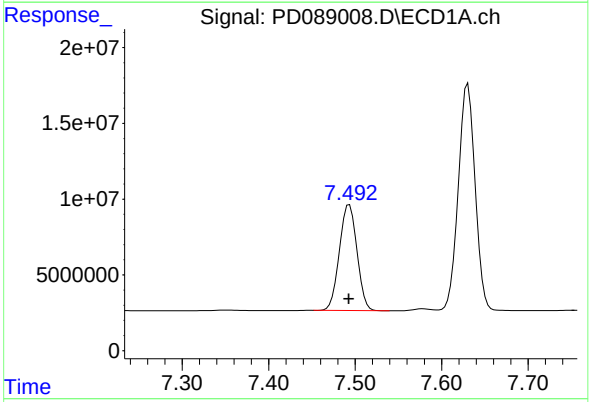
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 187348820
Conc: 48.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



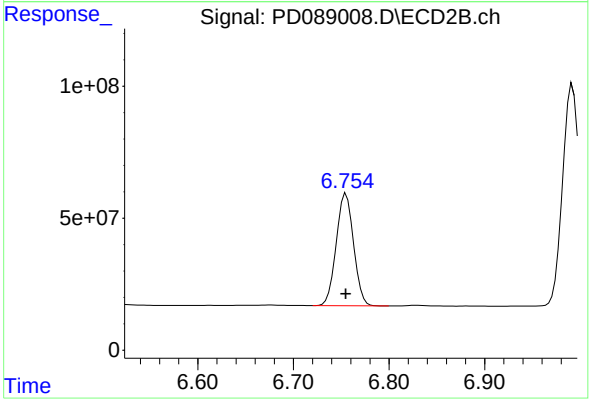
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 976245131
Conc: 49.75 ng/ml



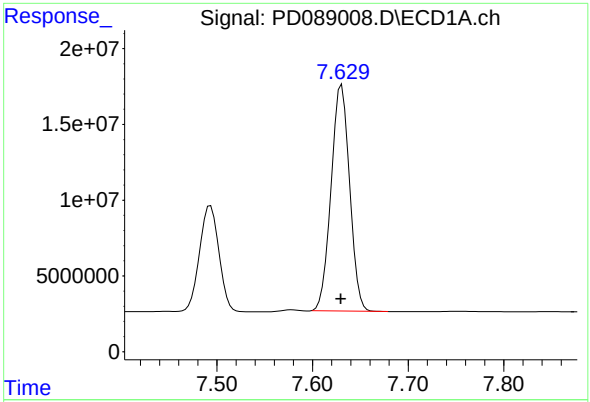
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 98271542
Conc: 48.63 ng/ml



#20 Methoxychlor

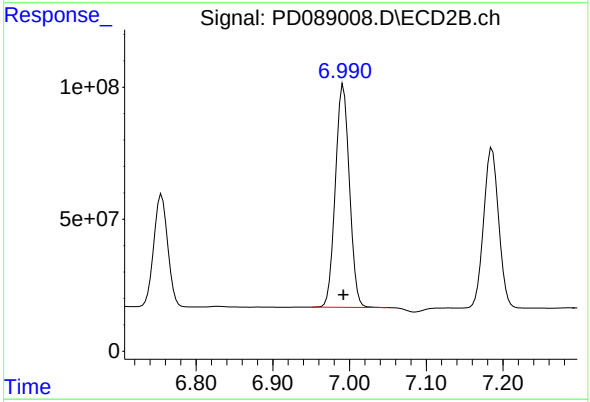
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 536819403
Conc: 49.85 ng/ml



#21 Endrin ketone

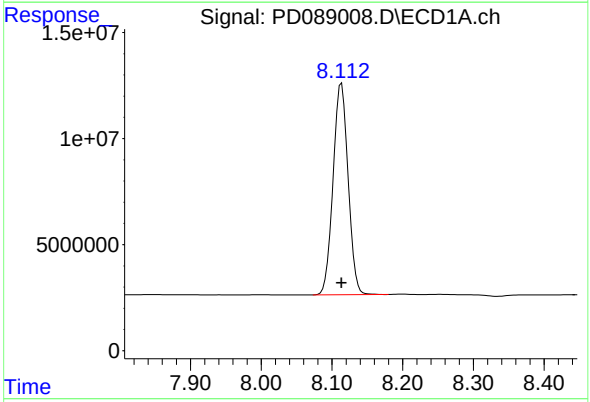
R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 200803078
Conc: 49.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



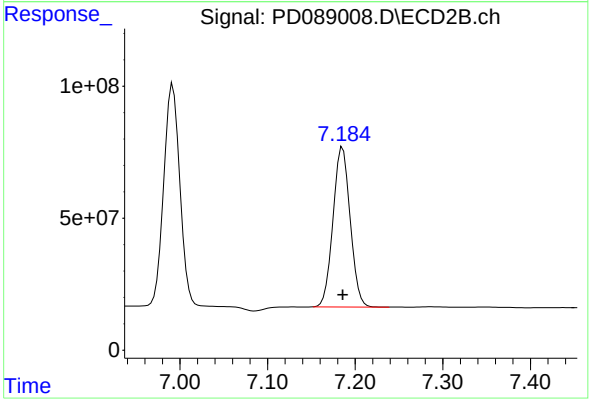
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 1076798159
Conc: 49.85 ng/ml



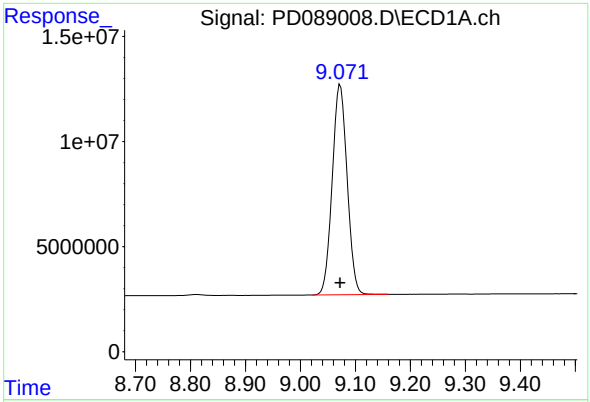
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 147299875
Conc: 48.45 ng/ml



#22 Mirex

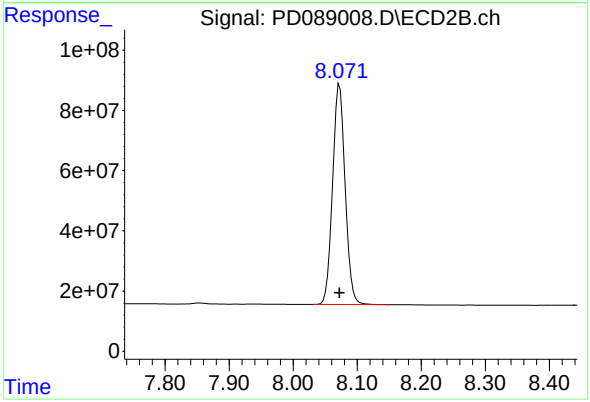
R.T.: 7.186 min
Delta R.T.: 0.000 min
Response: 825248119
Conc: 49.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 188469705
Conc: 47.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD061825



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 996463204
Conc: 50.40 ng/ml

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

LAB FILE ID: RT 100 = PD089540.D RT 075 = PD089541.D
RT 050 = PD089542.D RT 025 = PD089543.D RT 005 = PD089544.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	6.02	6.03	6.03	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	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	6.35	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	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

LAB FILE ID: RT 100 = PD089540.D RT 075 = PD089541.D
RT 050 = PD089542.D RT 025 = PD089543.D RT 005 = PD089544.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	4.37	4.27	4.47
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

Alliance TECHNICAL GROUP
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: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

LAB FILE ID: CF 100 = PD089540.D CF 075 = PD089541.D
CF 050 = PD089542.D CF 025 = PD089543.D CF 005 = PD089544.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3546710000	3306670000	3337750000	3274140000	3478430000	3388740000	3
4,4'-DDE	4522260000	4248340000	4241950000	4132450000	4324040000	4293810000	3
4,4'-DDT	3930390000	3708100000	3732720000	3663210000	3830280000	3772940000	3
Aldrin	5474110000	5165420000	5201760000	5043040000	5280270000	5232920000	3
alpha-BHC	6211010000	5830300000	5793630000	5432690000	5280340000	5709590000	6
alpha-Chlordane	4847780000	4605370000	4657210000	4635850000	5087200000	4766680000	4
beta-BHC	2104050000	2031110000	2103860000	2139440000	2402280000	2156150000	7
Decachlorobiphenyl	3778830000	3726250000	3920080000	4172650000	4937350000	4107030000	12
delta-BHC	5702740000	5351530000	5333270000	5028430000	5009830000	5285160000	5
Dieldrin	4895070000	4635810000	4672490000	4574920000	4825060000	4720670000	3
Endosulfan I	4479840000	4272380000	4352050000	4341650000	4782350000	4445650000	5
Endosulfan II	4043580000	3846170000	3940370000	3970080000	4544370000	4068910000	7
Endosulfan sulfate	3744900000	3585230000	3667920000	3719370000	4153480000	3774180000	6
Endrin	4220470000	3970910000	4009040000	3935340000	4227020000	4072560000	3
Endrin aldehyde	2828430000	2731560000	2809060000	2899180000	3309830000	2915610000	8
Endrin ketone	4022640000	3858210000	3937060000	3969130000	4334240000	4024260000	5
gamma-BHC (Lindane)	5831570000	5501940000	5515460000	5260670000	5477580000	5517450000	4
gamma-Chlordane	4888600000	4651540000	4660300000	4590900000	4913850000	4741040000	3
Heptachlor	5683730000	5375760000	5408440000	5254920000	5546500000	5453870000	3
Heptachlor epoxide	4774830000	4538910000	4623950000	4578050000	5102280000	4723600000	5
Methoxychlor	1928970000	1871790000	1948840000	2024640000	2250230000	2004890000	7
Tetrachloro-m-xylene	2861200000	2751560000	2837820000	2840900000	3115350000	2881370000	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

LAB FILE ID: CF 100 = PD089540.D CF 075 = PD089541.D
CF 050 = PD089542.D CF 025 = PD089543.D CF 005 = PD089544.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	20477600000	20255800000	21091400000	22179700000	25604900000	21921900000	10
4,4'-DDE	24569100000	24207200000	25320900000	26478800000	30705400000	26256200000	10
4,4'-DDT	22316700000	22065900000	22865900000	23799600000	25987600000	23407100000	7
Aldrin	25825700000	25415900000	26660900000	27560900000	31468400000	27386400000	9
alpha-BHC	28631100000	28136600000	29329200000	29877800000	34249100000	30044800000	8
alpha-Chlordane	24083300000	23760200000	24855100000	25980200000	30282000000	25792200000	10
beta-BHC	11020300000	10942900000	11533600000	12035800000	13980700000	11902700000	10
Decachlorobiphenyl	22483400000	22341200000	23337400000	24766100000	29913700000	24568400000	13
delta-BHC	26556500000	26106300000	27254800000	27875100000	31688500000	27896200000	8
Dieldrin	24513400000	24260900000	25547300000	26668700000	31143400000	26426700000	11
Endosulfan I	21703200000	21774700000	22892800000	24109100000	28250500000	23746000000	11
Endosulfan II	21105100000	21003800000	22069300000	23384500000	27278000000	22968100000	11
Endosulfan sulfate	20342700000	20429000000	21246000000	22686800000	26285700000	22198000000	11
Endrin	22221400000	22119900000	23268200000	24542100000	28755900000	24181500000	11
Endrin aldehyde	15031000000	15069000000	15779800000	16936900000	20170600000	16597500000	13
Endrin ketone	22291500000	22370000000	23425000000	25122500000	29235500000	24488900000	12
gamma-BHC (Lindane)	26417200000	26004200000	27090700000	27637900000	31661500000	27762300000	8
gamma-Chlordane	25118500000	24724000000	25810900000	26855300000	31254900000	26752700000	10
Heptachlor	26144800000	25924100000	27192000000	28328900000	32502000000	28018400000	10
Heptachlor epoxide	22879600000	22776700000	24015400000	25146900000	29489500000	24861600000	11
Methoxychlor	10964900000	11074700000	11733900000	12584100000	14602000000	12191900000	12
Tetrachloro-m-xylene	18220100000	18058900000	18987900000	19622400000	22941400000	19566100000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_D **Date(s) Analyzed:** 07/21/2025 07/21/2025

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	38650400
		2	6.44	6.34	6.54	53066200
		3	7.15	7.05	7.25	100896000
		4	7.56	7.46	7.66	131991000
		5	7.93	7.83	8.03	73924900

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_D **Date(s) Analyzed:** 07/21/2025 07/21/2025

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	200100000
		2	5.64	5.54	5.74	130237000
		3	6.75	6.65	6.85	667274000
		4	7.20	7.10	7.30	456670000
		5	7.33	7.23	7.43	342929000

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089540.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:49
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: Jul 22 03:51:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	286.1E6	1822.0E6	100.824	95.957
28)	SA Decachlor...	9.071	8.069	377.9E6	2248.3E6	96.397	96.340
	Target Compounds						
2)	A alpha-BHC	3.998	3.391	621.1E6	2863.1E6	107.204	97.620
3)	MA gamma-BHC...	4.329	3.728	583.2E6	2641.7E6	105.731	97.514
4)	MA Heptachlor	4.928	4.081	568.4E6	2614.5E6	105.090	96.149
5)	MB Aldrin	5.269	4.367	547.4E6	2582.6E6	105.236	96.867
6)	B beta-BHC	4.514	4.023	210.4E6	1102.0E6	100.009	95.549
7)	B delta-BHC	4.763	4.260	570.3E6	2655.7E6	106.928	97.438
8)	B Heptachlo...	5.689	4.870	477.5E6	2288.0E6	103.263	95.271
9)	A Endosulfan I	6.072	5.244	448.0E6	2170.3E6	102.936	94.804
10)	B gamma-Chl...	5.944	5.122	488.9E6	2511.9E6	104.899	97.317
11)	B alpha-Chl...	6.025	5.187	484.8E6	2408.3E6	104.092	96.895
12)	B 4,4'-DDE	6.194	5.372	452.2E6	2456.9E6	106.608	97.031
13)	MA Dieldrin	6.345	5.510	489.5E6	2451.3E6	104.764	95.953
14)	MA Endrin	6.572	5.786	422.0E6	2222.1E6	105.274	95.501
15)	B Endosulfa...	6.784	6.078	404.4E6	2110.5E6	102.619	95.631
16)	A 4,4'-DDD	6.704	5.927	354.7E6	2047.8E6	106.260	97.090
17)	MA 4,4'-DDT	7.019	6.181	393.0E6	2231.7E6	105.295	97.598
18)	B Endrin al...	6.914	6.256	282.8E6	1503.1E6	100.689	95.255
19)	B Endosulfa...	7.148	6.480	374.5E6	2034.3E6	102.099	95.749
20)	A Methoxychlor	7.492	6.751	192.9E6	1096.5E6	98.980	93.446
21)	B Endrin ke...	7.628	6.989	402.3E6	2229.2E6	102.174	95.161
22)	Mirex	8.111	7.182	284.7E6	1748.4E6	97.312	95.300

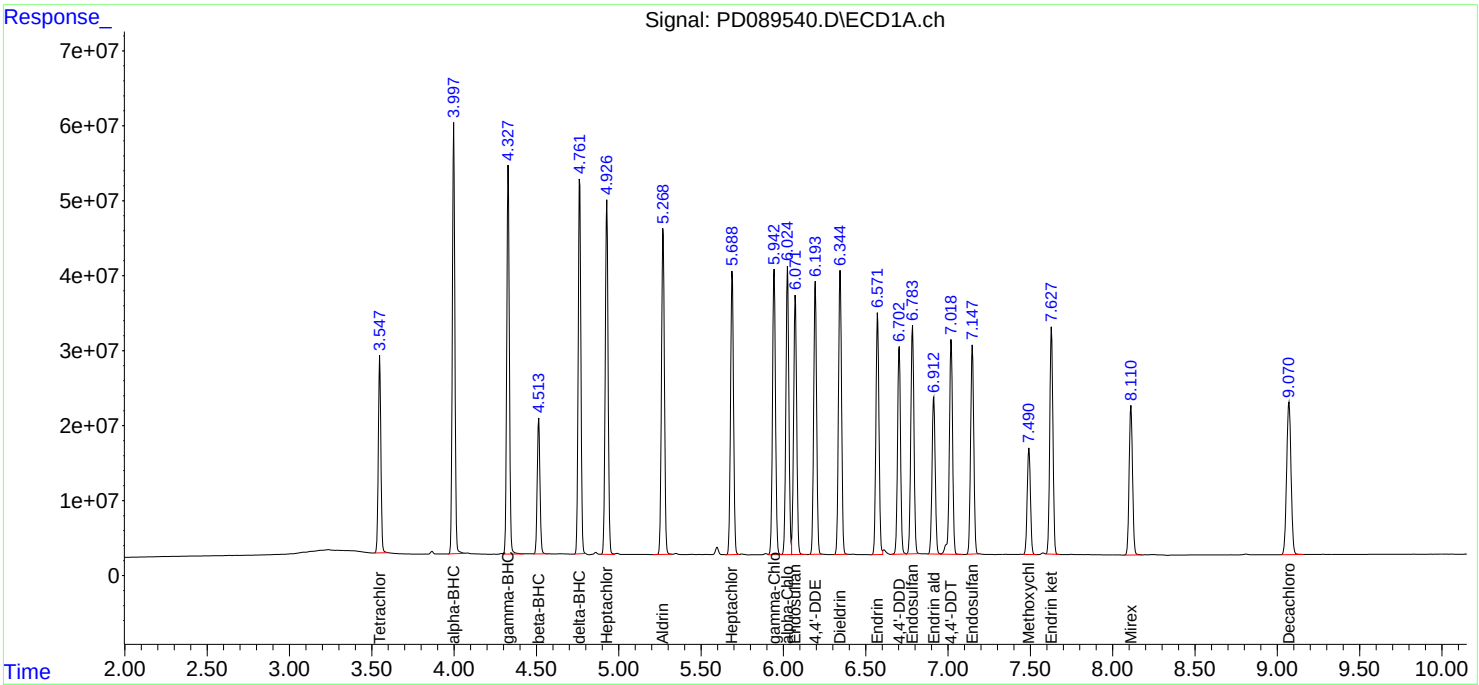
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

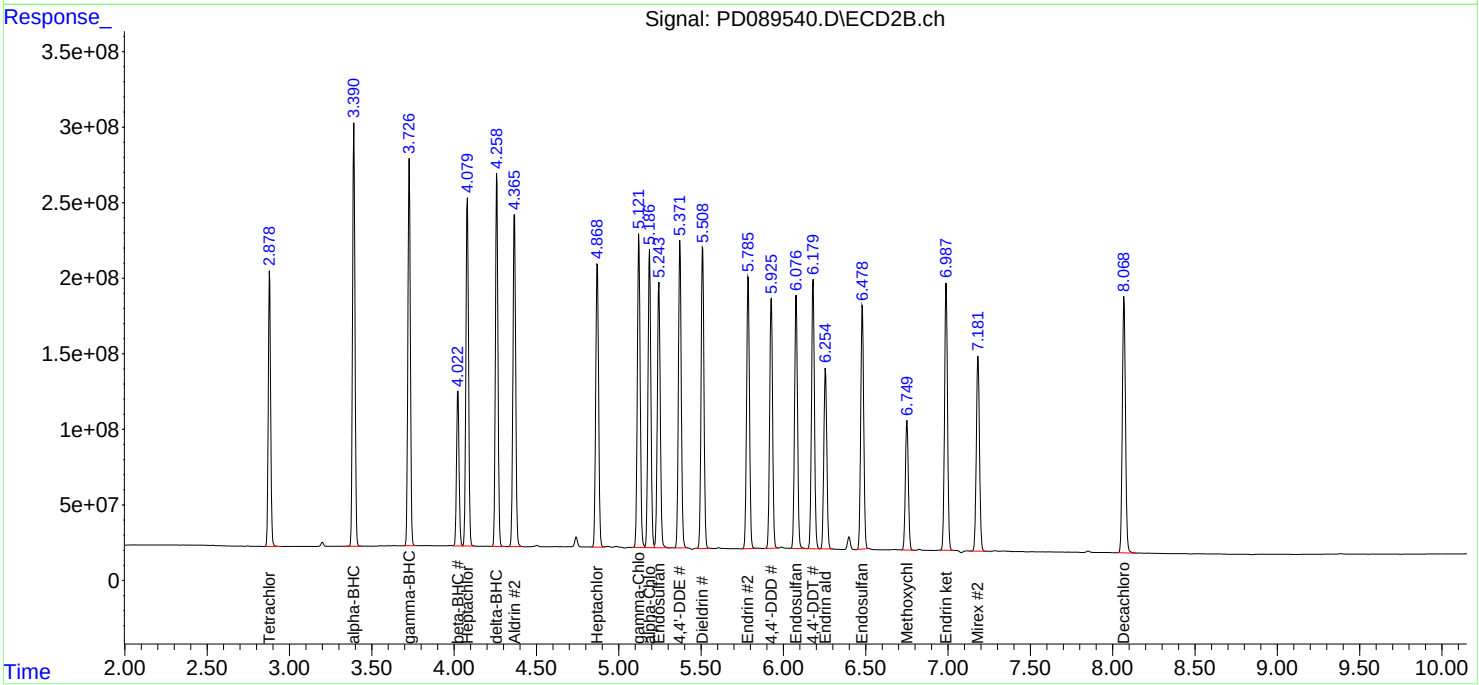
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089540.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:49
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

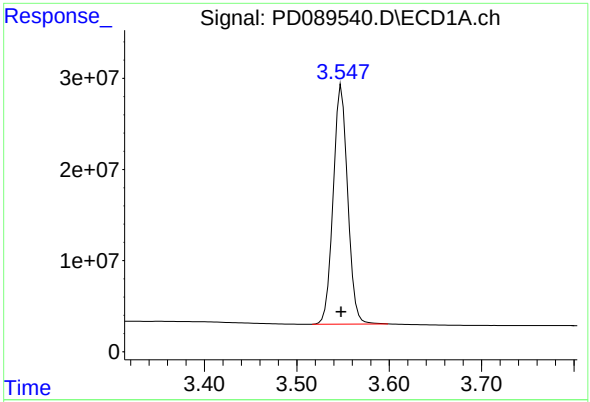
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:51:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



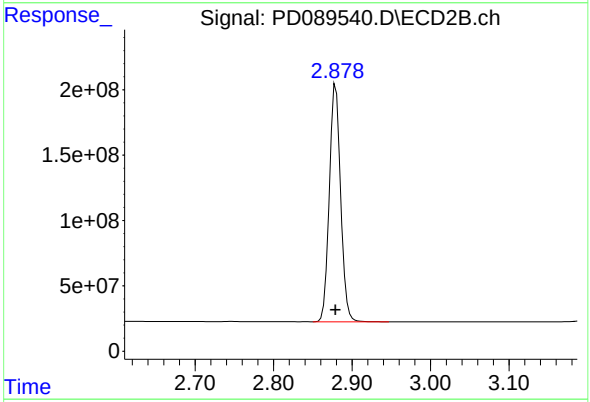




#1 Tetrachloro-m-xylene

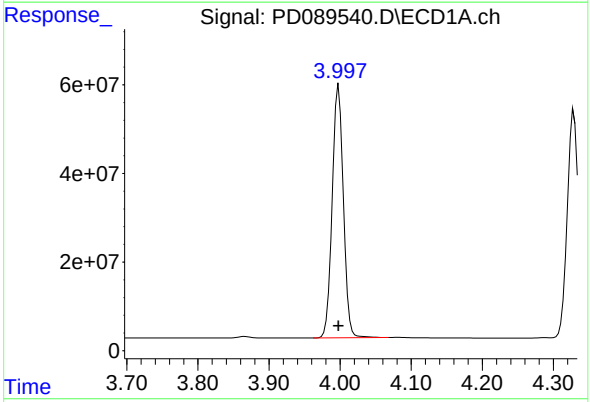
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 286119917
Conc: 100.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



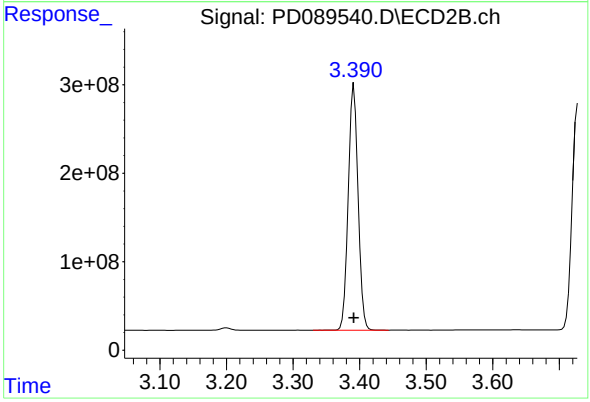
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 1822012390
Conc: 95.96 ng/ml



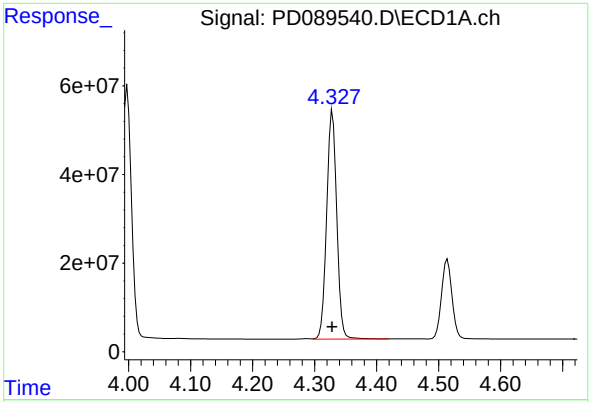
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 621101303
Conc: 107.20 ng/ml



#2 alpha-BHC

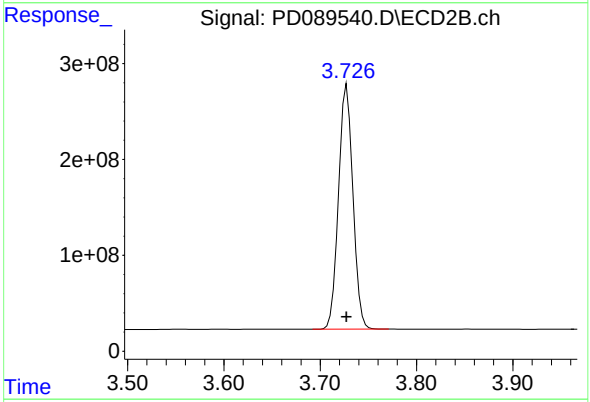
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 2863111820
Conc: 97.62 ng/ml



#3 gamma-BHC (Lindane)

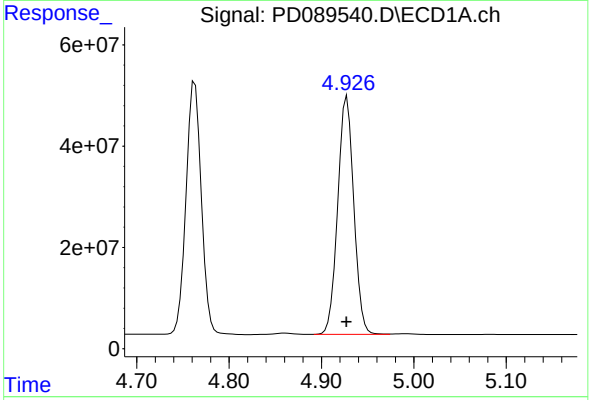
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 583156558
Conc: 105.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



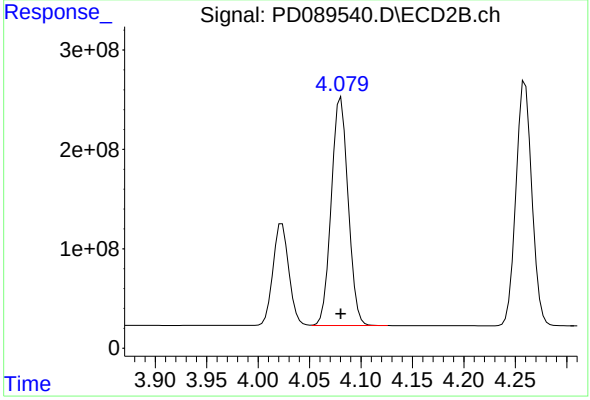
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 2641715042
Conc: 97.51 ng/ml



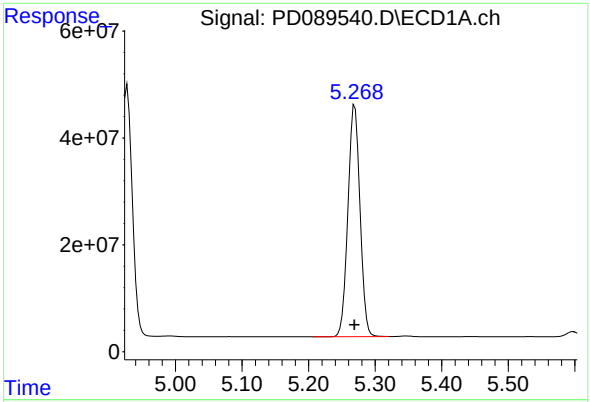
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.000 min
Response: 568372739
Conc: 105.09 ng/ml



#4 Heptachlor

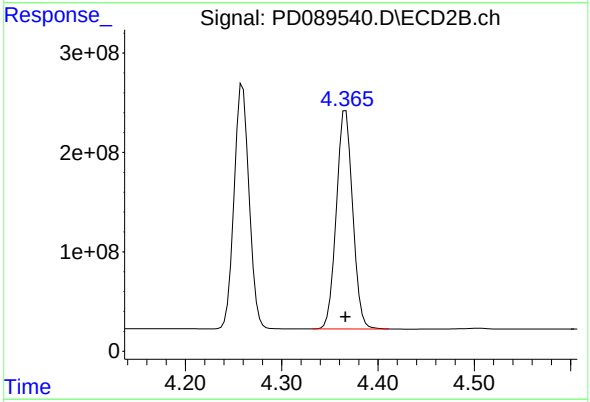
R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 2614484799
Conc: 96.15 ng/ml



#5 Aldrin

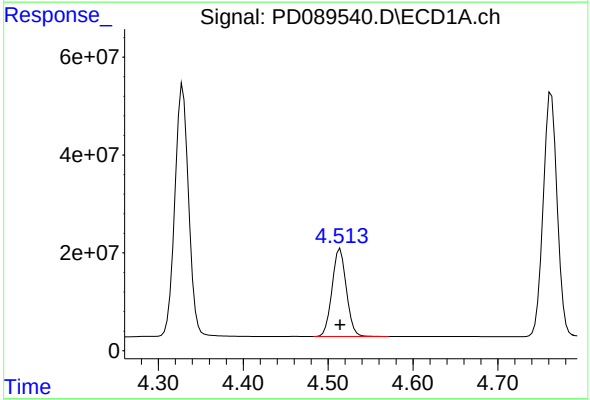
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 547410961
Conc: 105.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



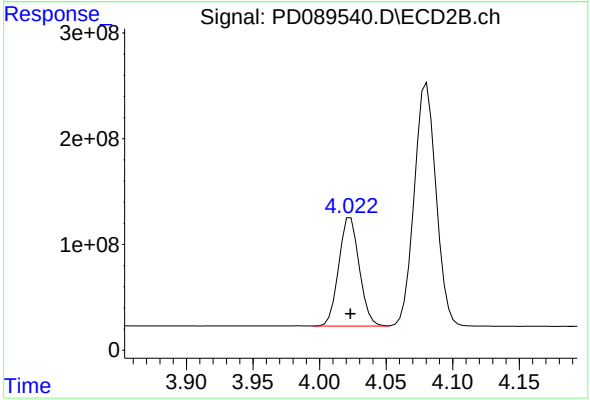
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 2582567147
Conc: 96.87 ng/ml



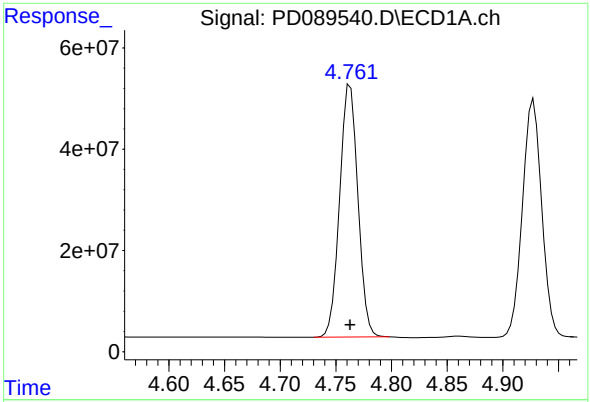
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 210404671
Conc: 100.01 ng/ml



#6 beta-BHC

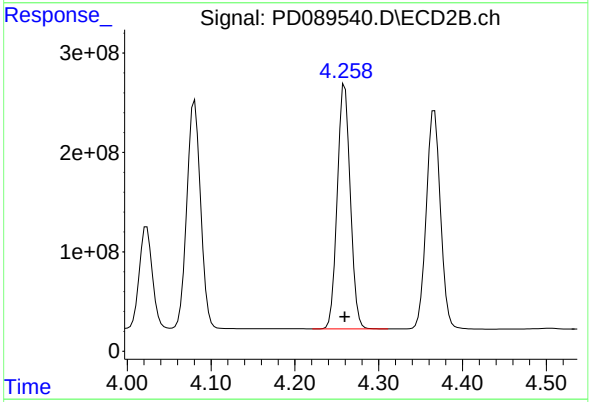
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 1102033476
Conc: 95.55 ng/ml



#7 delta-BHC

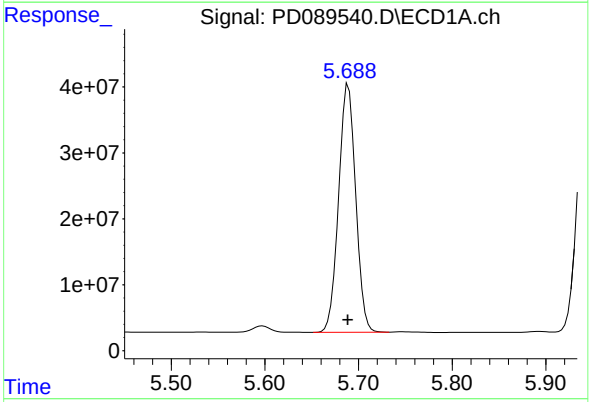
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 570274072
Conc: 106.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



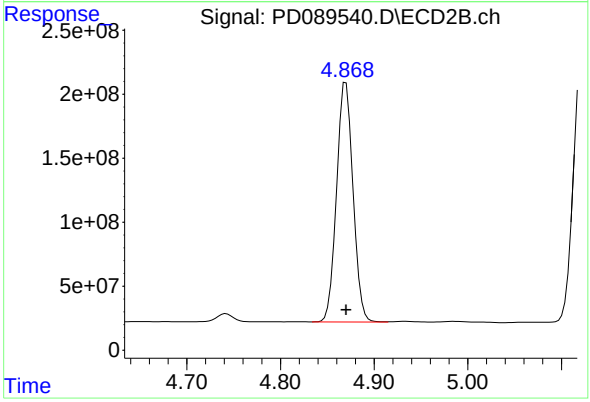
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 2655651979
Conc: 97.44 ng/ml



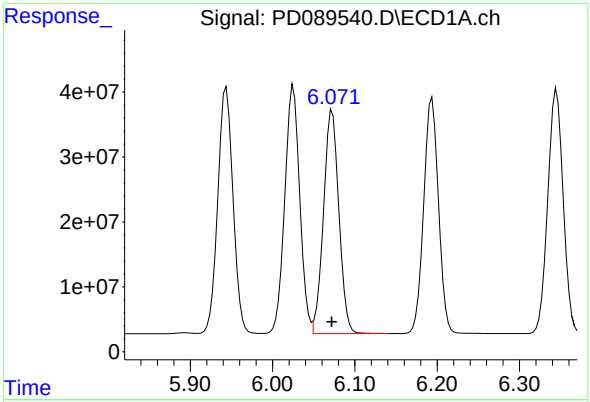
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 477483264
Conc: 103.26 ng/ml



#8 Heptachlor epoxide

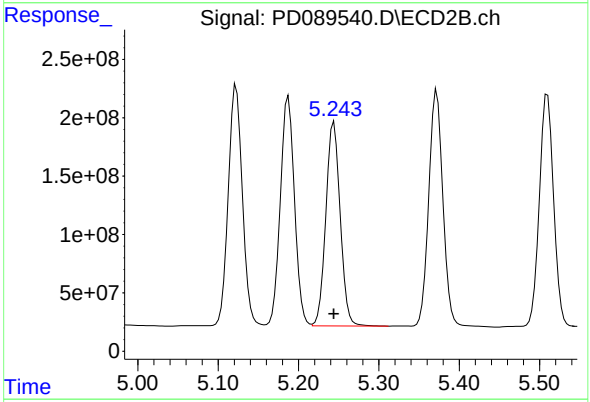
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 2287957679
Conc: 95.27 ng/ml



#9 Endosulfan I

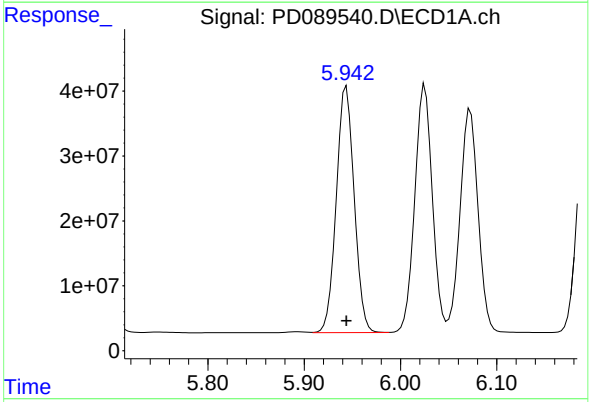
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 447983659
Conc: 102.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



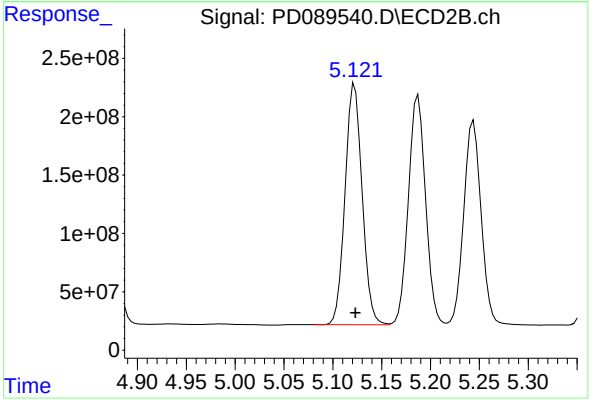
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 2170319529
Conc: 94.80 ng/ml



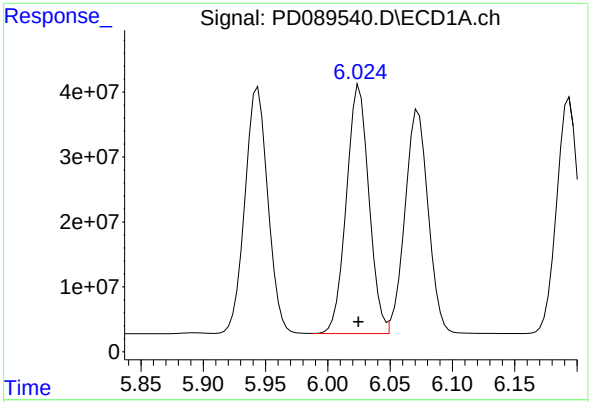
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 488860216
Conc: 104.90 ng/ml



#10 gamma-Chlordane

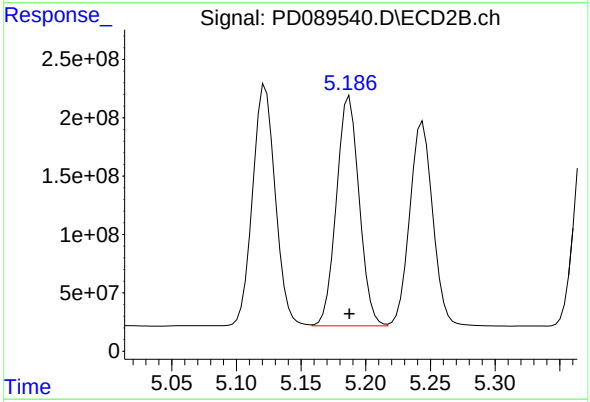
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 2511852667
Conc: 97.32 ng/ml



#11 alpha-Chlordane

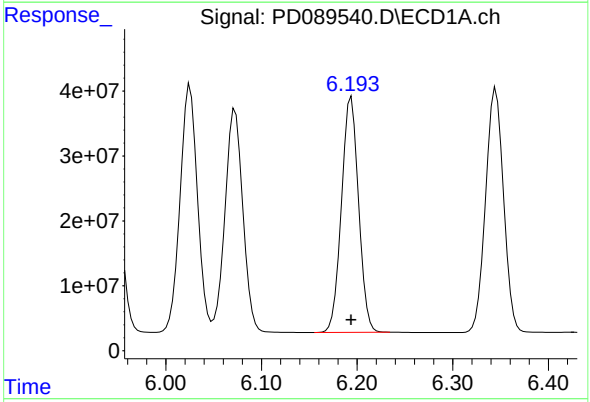
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 484777537
Conc: 104.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



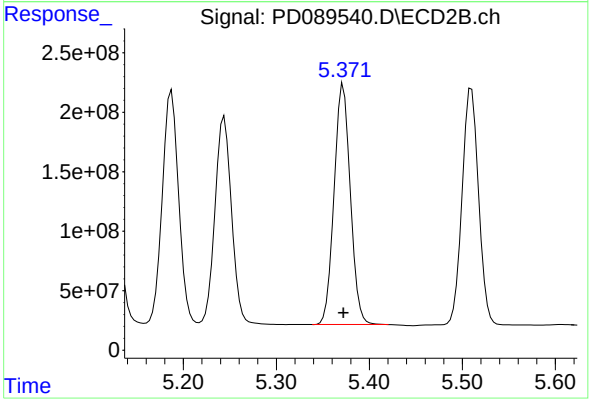
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 2408329699
Conc: 96.89 ng/ml



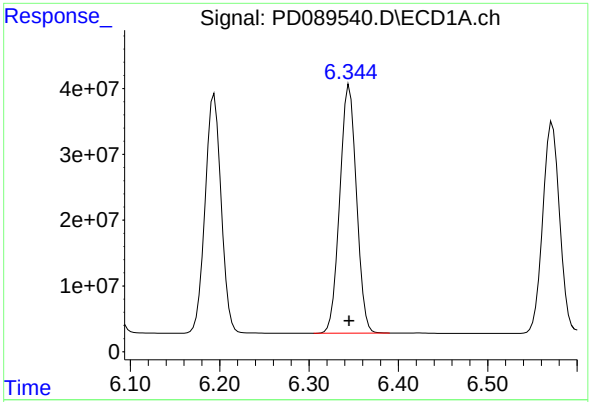
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 452226014
Conc: 106.61 ng/ml



#12 4,4'-DDE

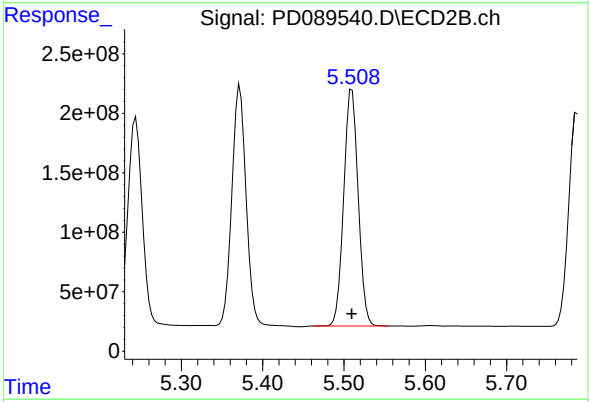
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 2456906476
Conc: 97.03 ng/ml



#13 Dieldrin

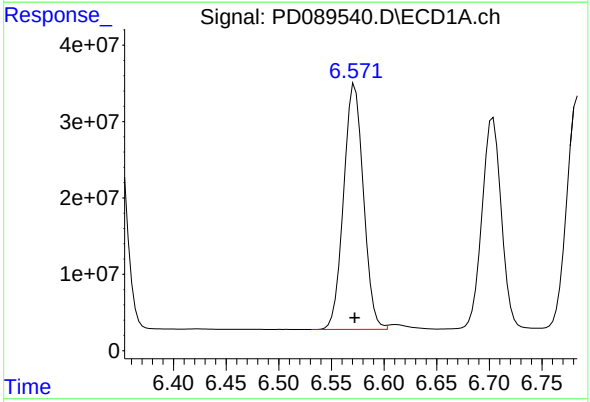
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 489507270
Conc: 104.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



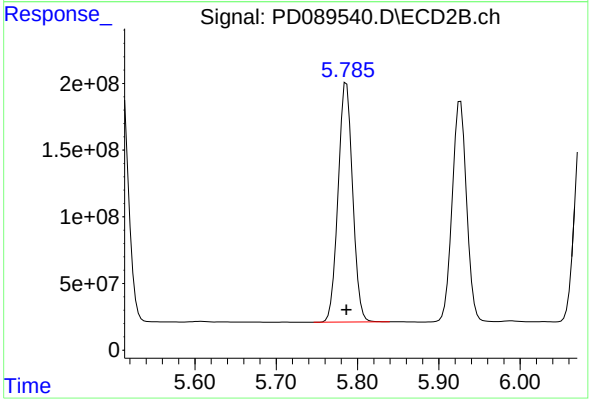
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 2451337061
Conc: 95.95 ng/ml



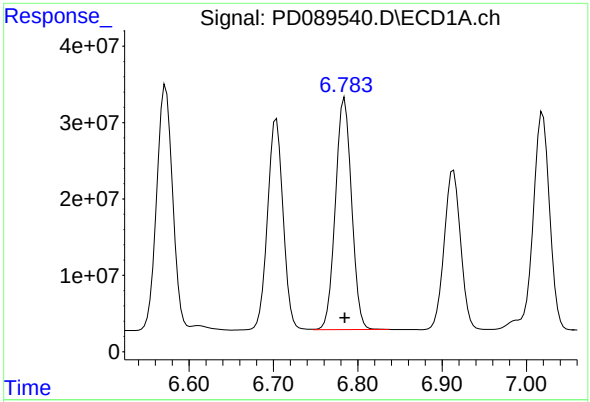
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 422047401
Conc: 105.27 ng/ml



#14 Endrin

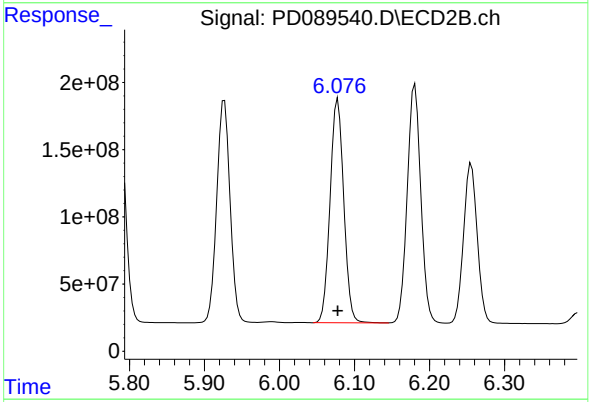
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 2222143904
Conc: 95.50 ng/ml



#15 Endosulfan II

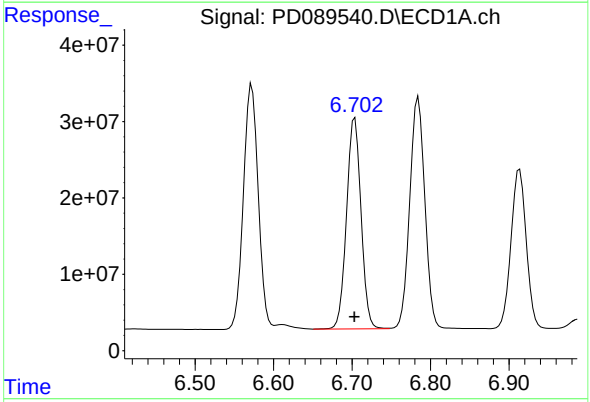
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 404357542
Conc: 102.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



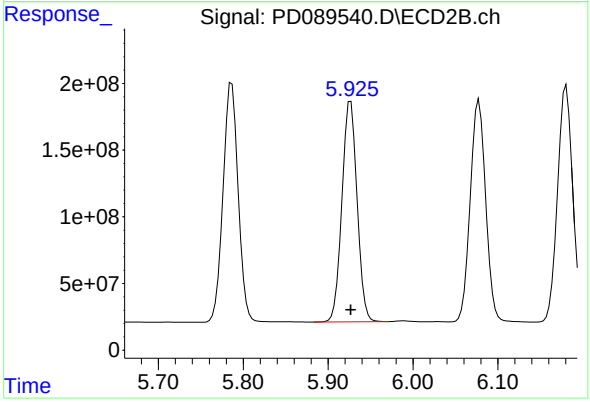
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 2110507739
Conc: 95.63 ng/ml



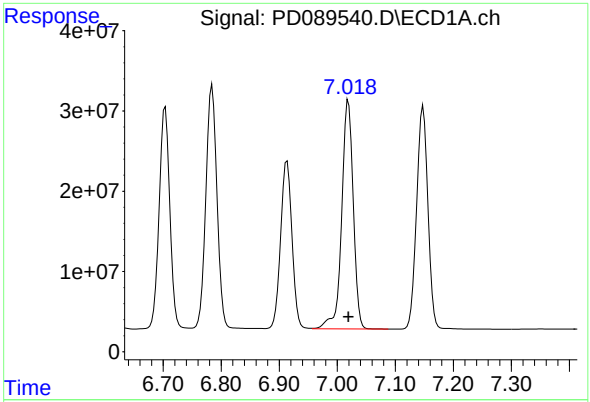
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 354670850
Conc: 106.26 ng/ml



#16 4,4'-DDD

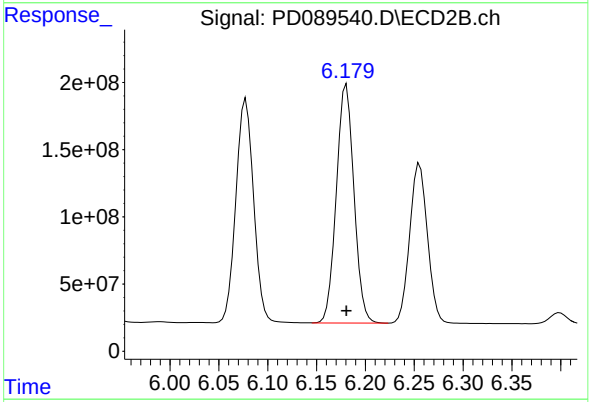
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 2047757920
Conc: 97.09 ng/ml



#17 4,4'-DDT

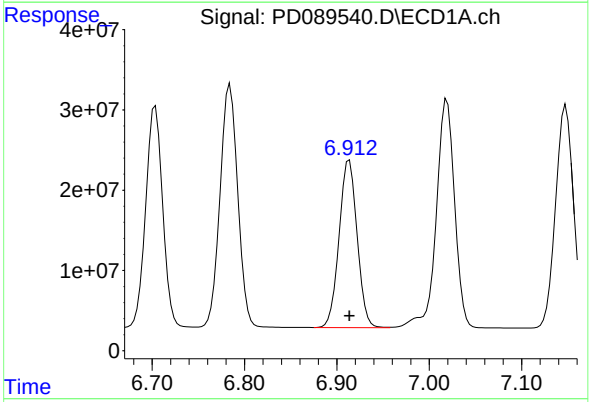
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 393038747
Conc: 105.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



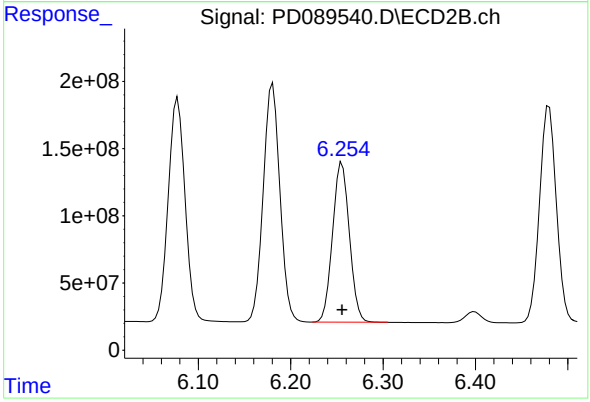
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 2231669770
Conc: 97.60 ng/ml



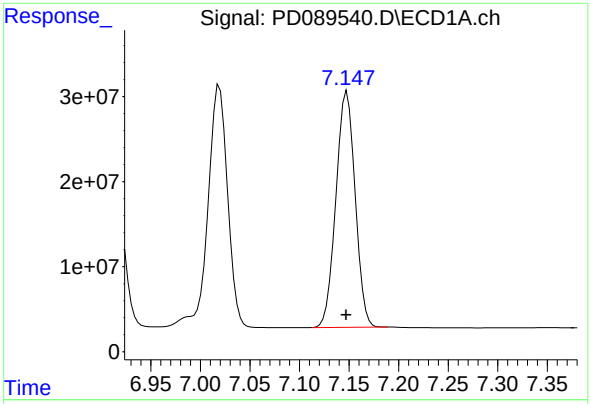
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 282842643
Conc: 100.69 ng/ml



#18 Endrin aldehyde

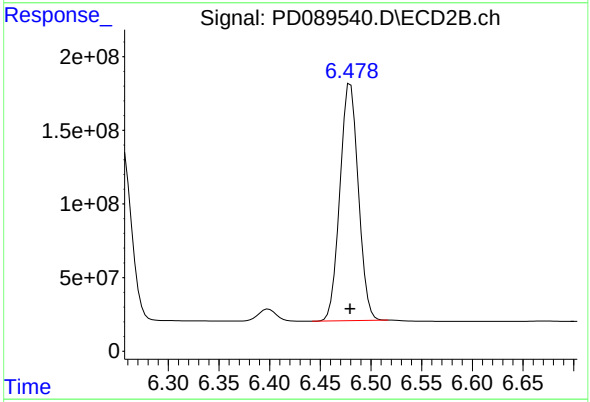
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 1503098798
Conc: 95.25 ng/ml



#19 Endosulfan Sulfate

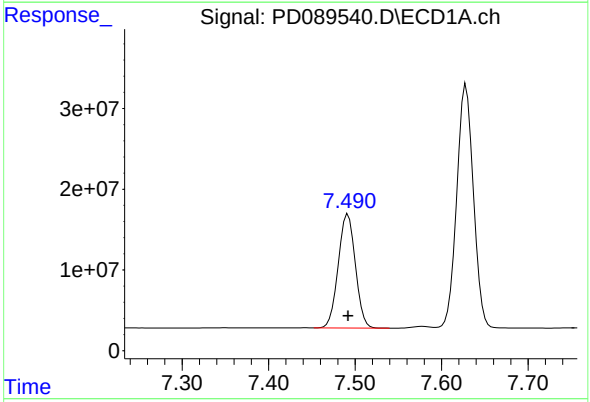
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 374489898
Conc: 102.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



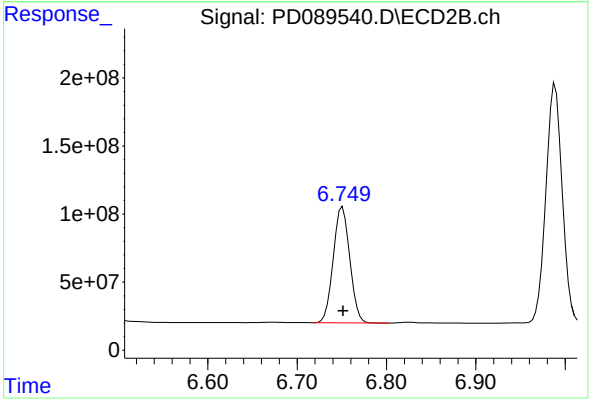
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 2034274092
Conc: 95.75 ng/ml



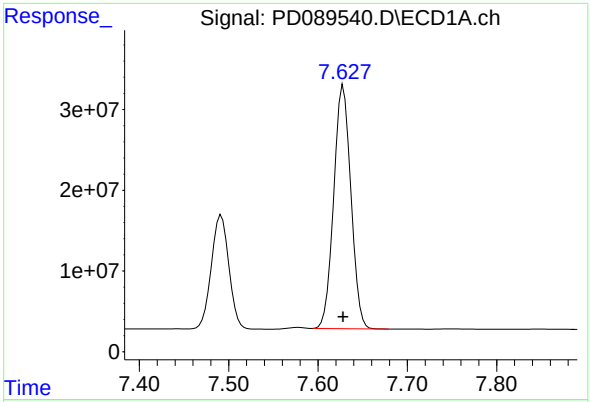
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 192896753
Conc: 98.98 ng/ml



#20 Methoxychlor

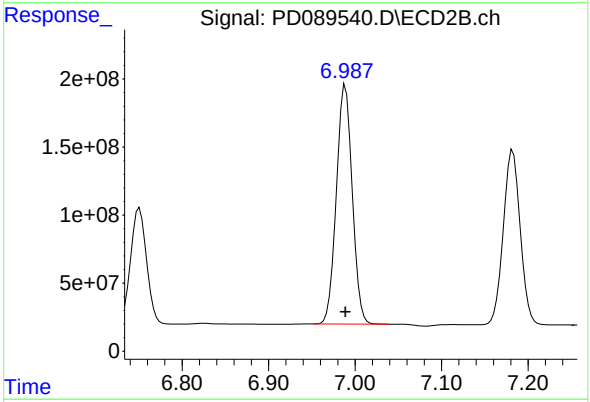
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 1096489853
Conc: 93.45 ng/ml



#21 Endrin ketone

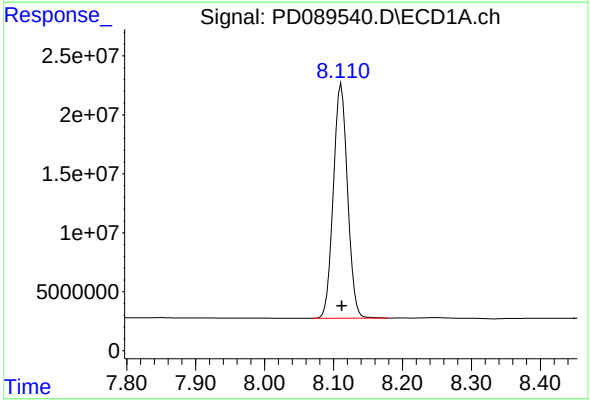
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 402264257
Conc: 102.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



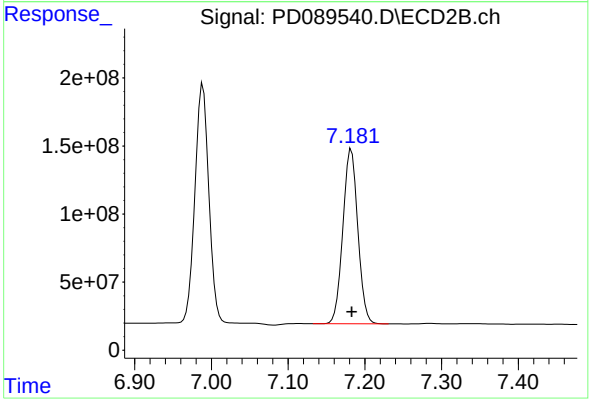
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 2229151502
Conc: 95.16 ng/ml



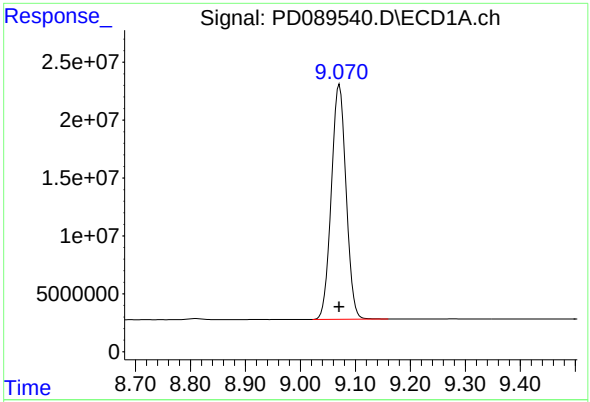
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 284725174
Conc: 97.31 ng/ml



#22 Mirex

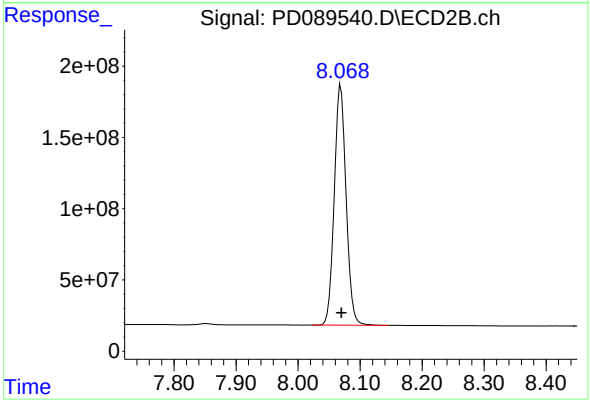
R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 1748387576
Conc: 95.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 377882846
Conc: 96.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 2248338494
Conc: 96.34 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:03
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: Jul 22 03:51:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	206.4E6	1354.4E6	72.720	71.331
28)	SA Decachlor...	9.071	8.069	279.5E6	1675.6E6	71.292	71.798
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	437.3E6	2110.2E6	75.475	71.950
3)	MA gamma-BHC...	4.328	3.727	412.6E6	1950.3E6	74.816	71.992
4)	MA Heptachlor	4.927	4.080	403.2E6	1944.3E6	74.547	71.503
5)	MB Aldrin	5.269	4.366	387.4E6	1906.2E6	74.476	71.498
6)	B beta-BHC	4.514	4.023	152.3E6	820.7E6	72.407	71.159
7)	B delta-BHC	4.762	4.260	401.4E6	1958.0E6	75.257	71.840
8)	B Heptachlo...	5.688	4.870	340.4E6	1708.3E6	73.621	71.132
9)	A Endosulfan I	6.073	5.244	320.4E6	1633.1E6	73.627	71.337
10)	B gamma-Chl...	5.944	5.123	348.9E6	1854.3E6	74.859	71.842
11)	B alpha-Chl...	6.025	5.187	345.4E6	1782.0E6	74.165	71.696
12)	B 4,4'-DDE	6.194	5.372	318.6E6	1815.5E6	75.113	71.701
13)	MA Dieldrin	6.345	5.510	347.7E6	1819.6E6	74.411	71.224
14)	MA Endrin	6.573	5.786	297.8E6	1659.0E6	74.287	71.299
15)	B Endosulfa...	6.784	6.078	288.5E6	1575.3E6	73.207	71.379
16)	A 4,4'-DDD	6.703	5.927	248.0E6	1519.2E6	74.302	72.029
17)	MA 4,4'-DDT	7.020	6.180	278.1E6	1654.9E6	74.505	72.376
18)	B Endrin al...	6.913	6.256	204.9E6	1130.2E6	72.931	71.622
19)	B Endosulfa...	7.147	6.480	268.9E6	1532.2E6	73.309	72.116
20)	A Methoxychlor	7.492	6.751	140.4E6	830.6E6	72.035	70.787
21)	B Endrin ke...	7.629	6.988	289.4E6	1677.7E6	73.498	71.622
22)	Mirex	8.112	7.182	209.3E6	1307.5E6	71.545	71.270

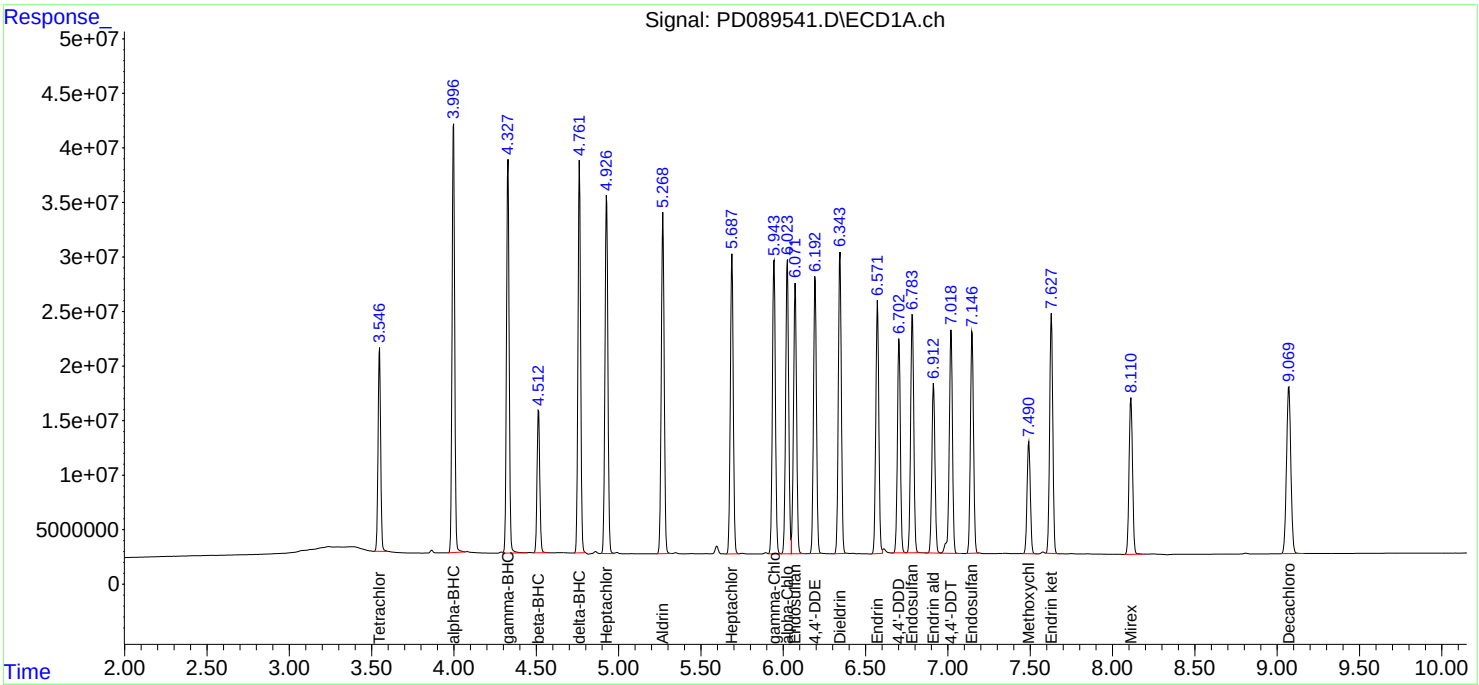
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

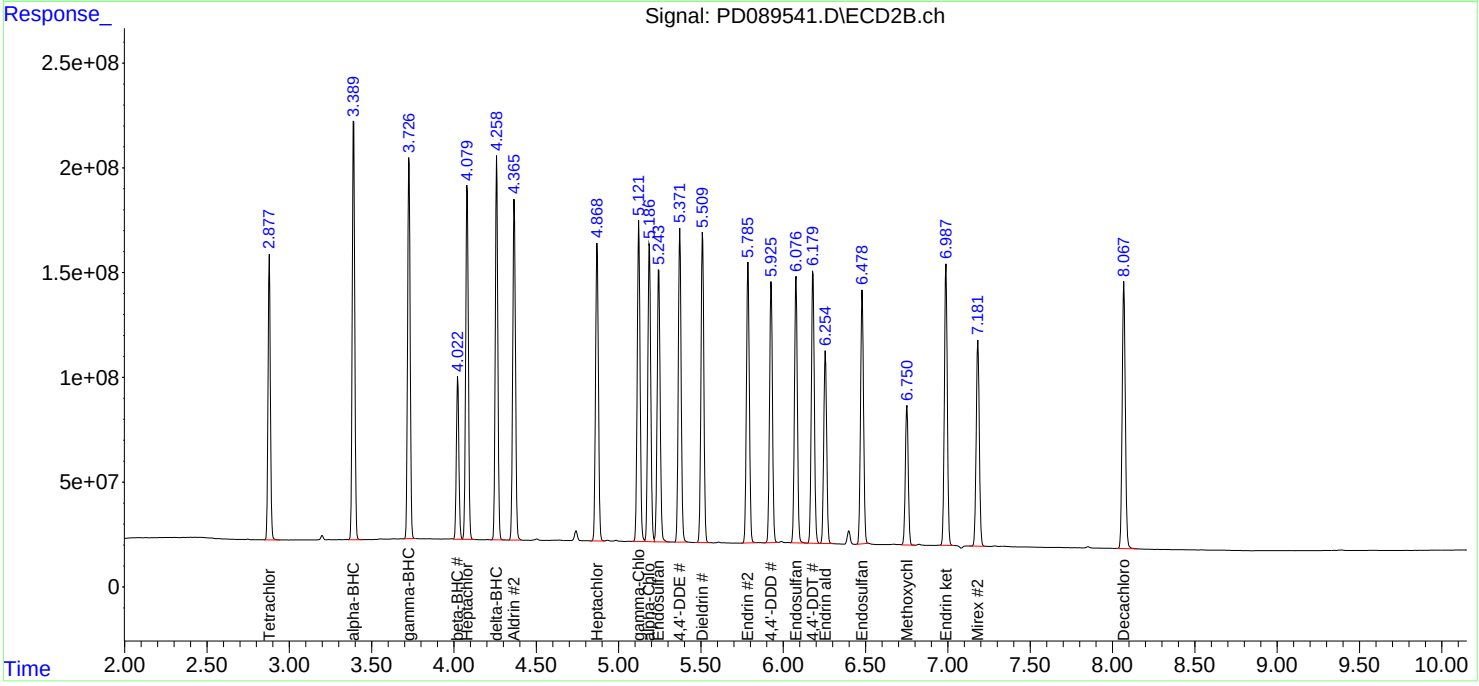
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:03
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

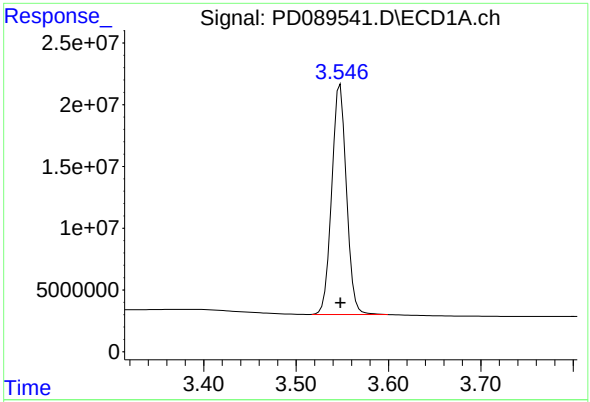
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:51:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



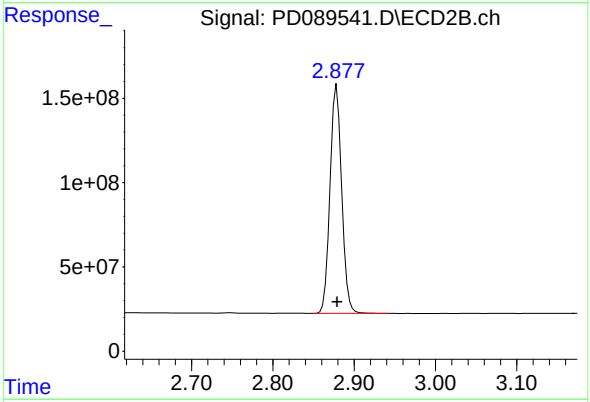




#1 Tetrachloro-m-xylene

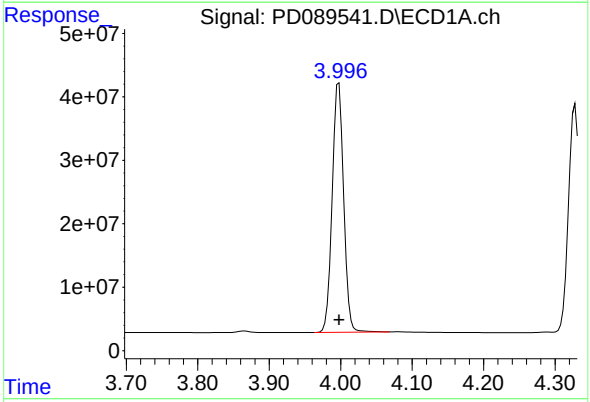
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 206367124
Conc: 72.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



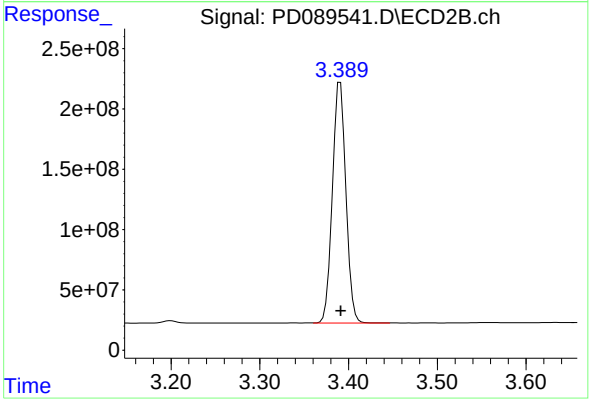
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 1354415995
Conc: 71.33 ng/ml



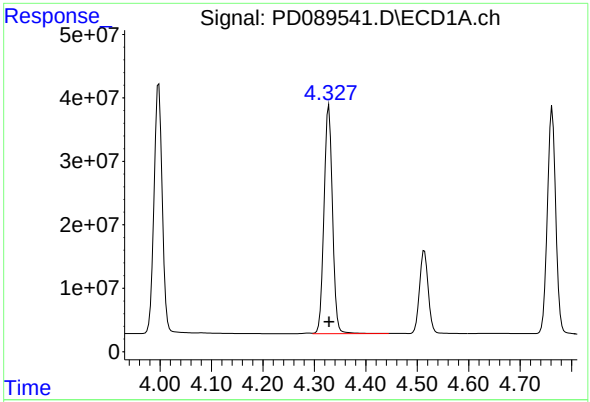
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 437272634
Conc: 75.47 ng/ml



#2 alpha-BHC

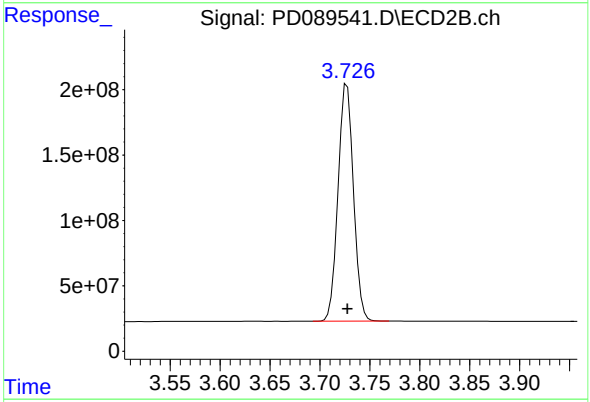
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 2110243224
Conc: 71.95 ng/ml



#3 gamma-BHC (Lindane)

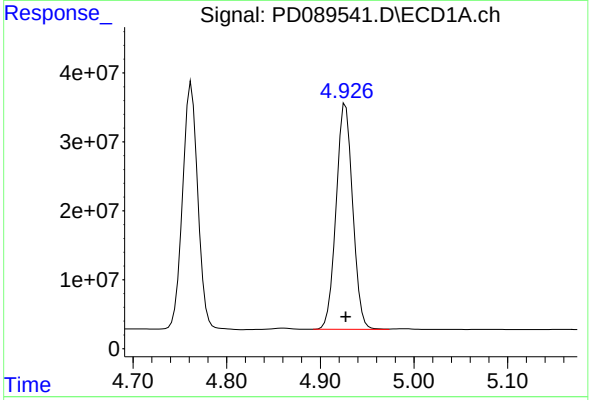
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 412645611
Conc: 74.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



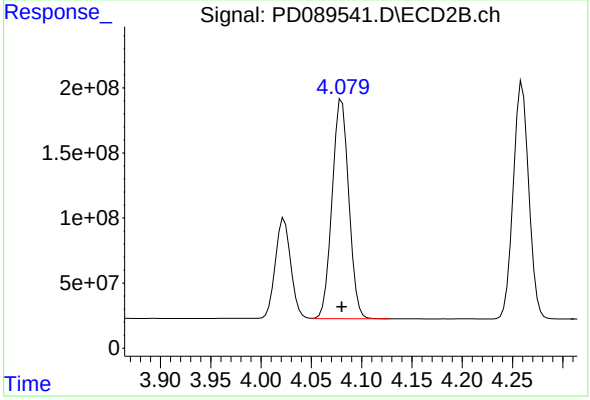
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1950315034
Conc: 71.99 ng/ml



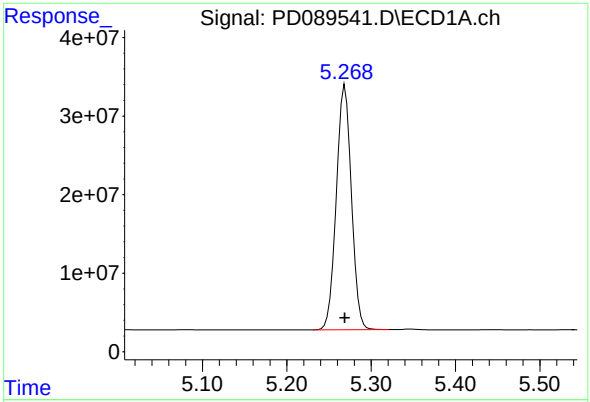
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 403182295
Conc: 74.55 ng/ml



#4 Heptachlor

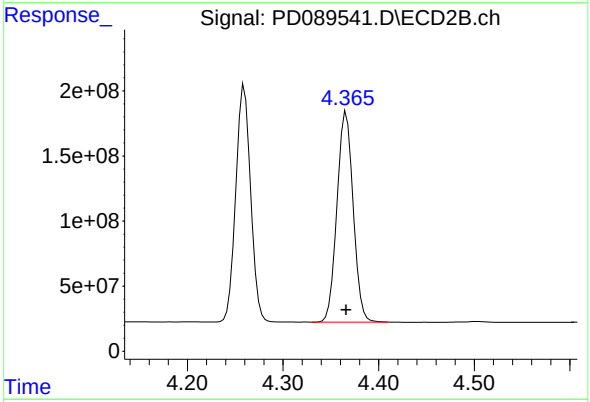
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1944305912
Conc: 71.50 ng/ml



#5 Aldrin

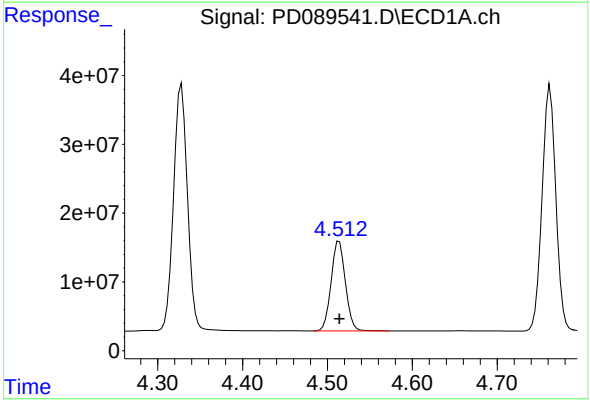
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 387406596
Conc: 74.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



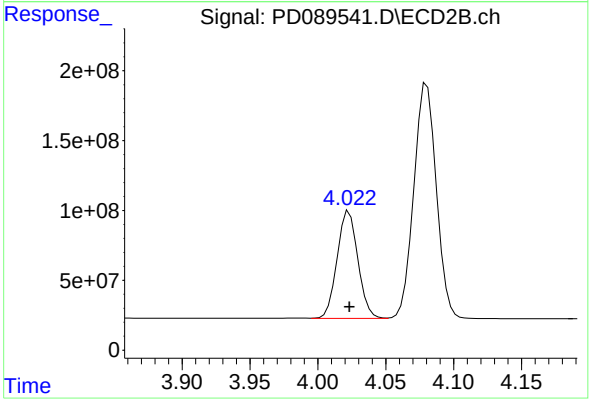
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1906193943
Conc: 71.50 ng/ml



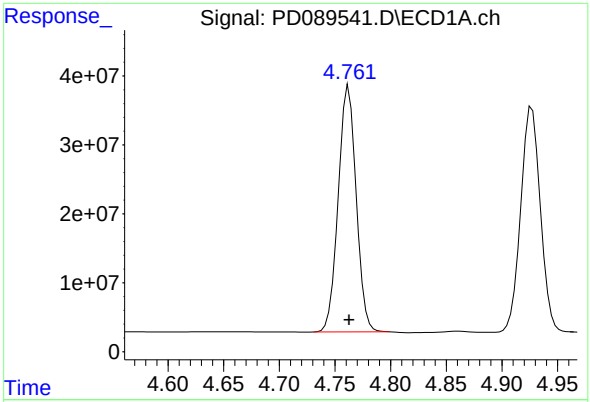
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 152333463
Conc: 72.41 ng/ml



#6 beta-BHC

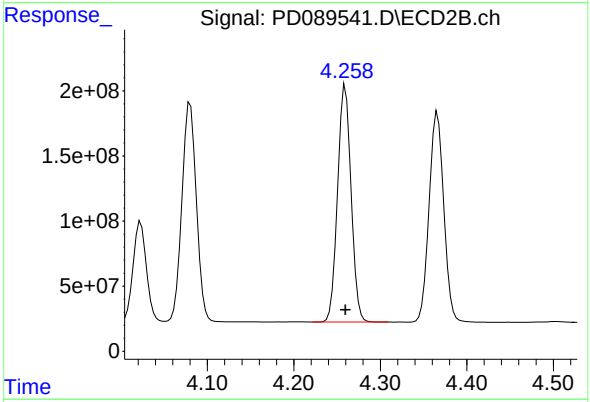
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 820720249
Conc: 71.16 ng/ml



#7 delta-BHC

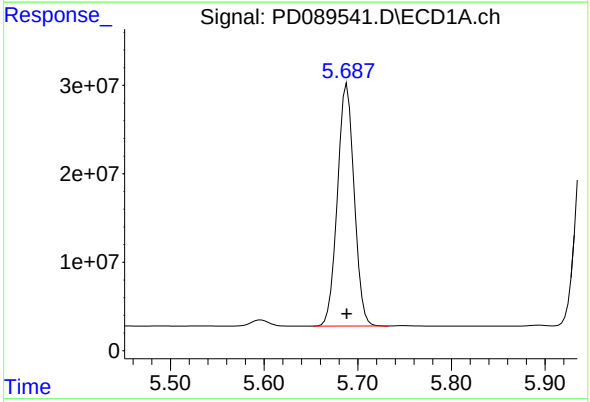
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 401364935
Conc: 75.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



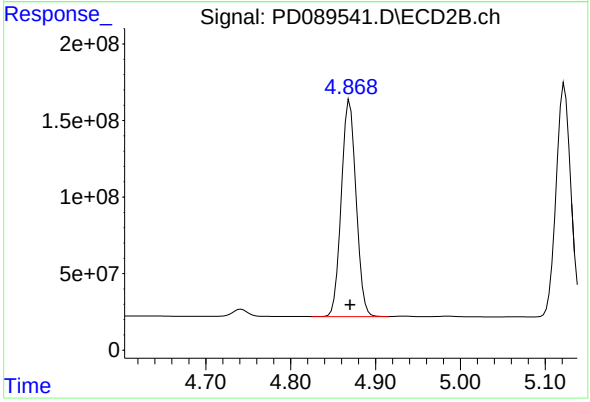
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1957972784
Conc: 71.84 ng/ml



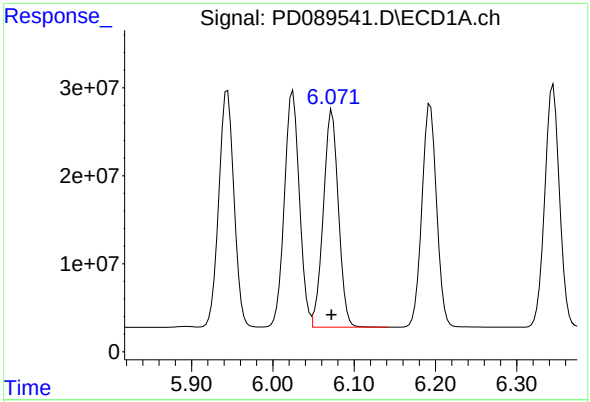
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 340418489
Conc: 73.62 ng/ml



#8 Heptachlor epoxide

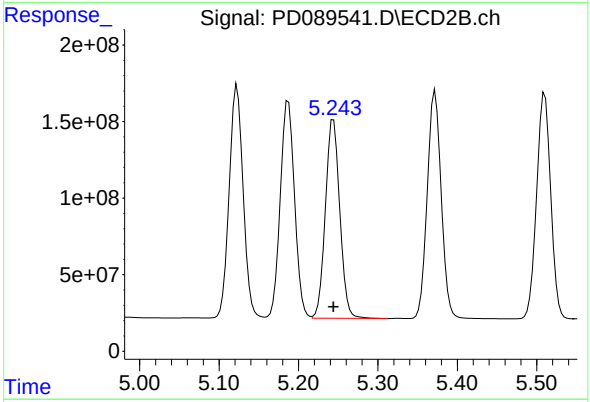
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 1708254170
Conc: 71.13 ng/ml



#9 Endosulfan I

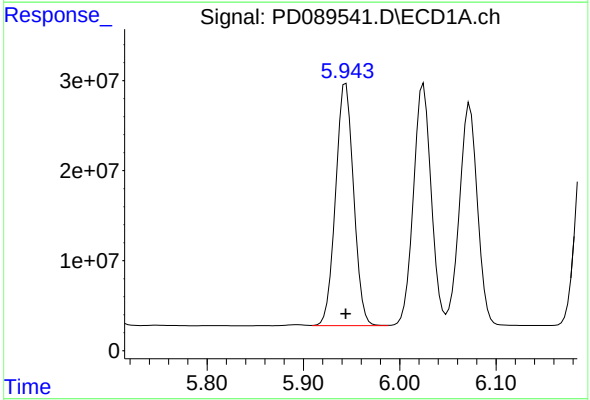
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 320428396
Conc: 73.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



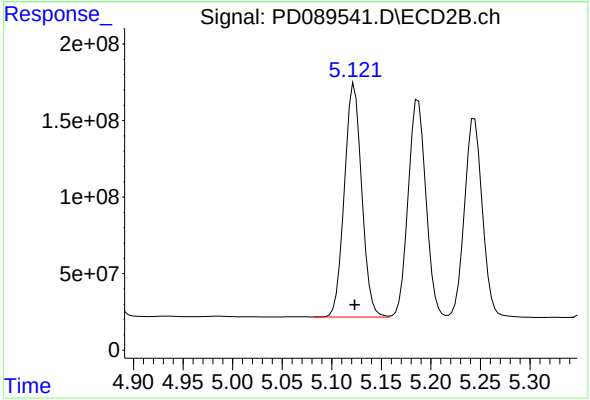
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 1633100862
Conc: 71.34 ng/ml



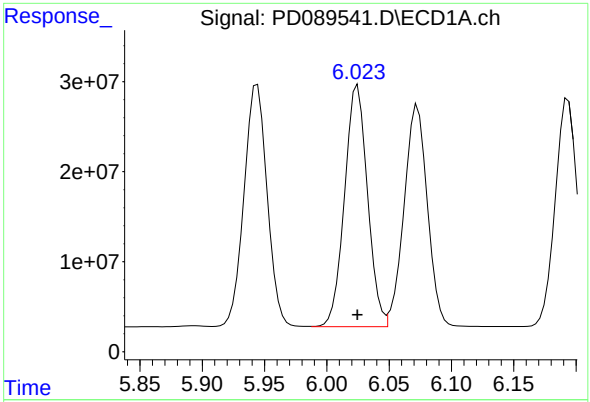
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 348865234
Conc: 74.86 ng/ml



#10 gamma-Chlordane

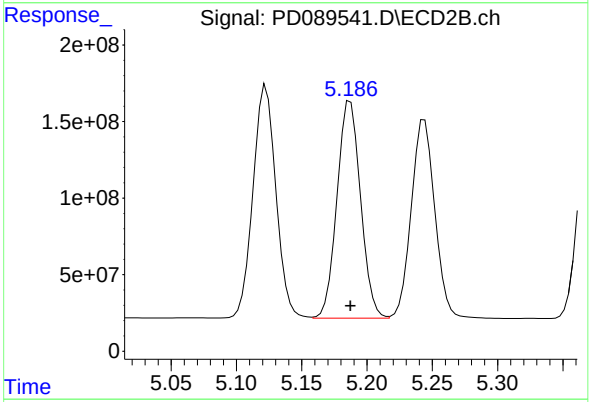
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1854300839
Conc: 71.84 ng/ml



#11 alpha-Chlordane

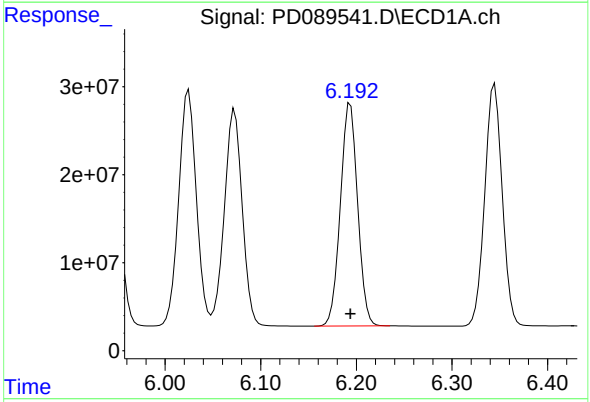
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 345402938
Conc: 74.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



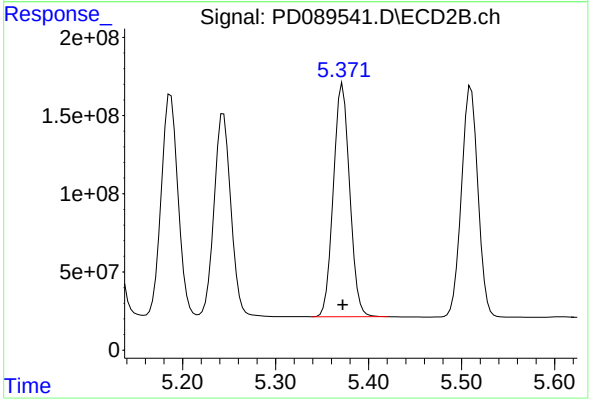
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 1782014473
Conc: 71.70 ng/ml



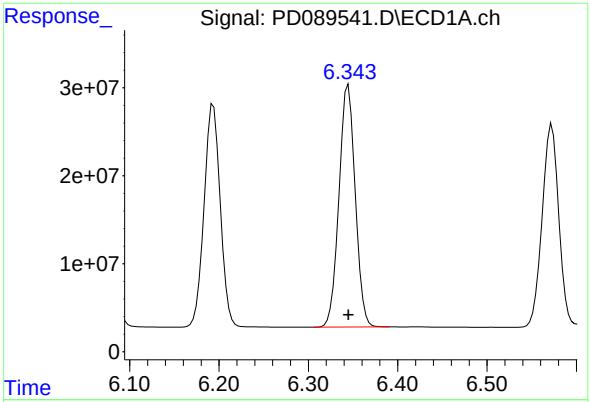
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 318625205
Conc: 75.11 ng/ml



#12 4,4'-DDE

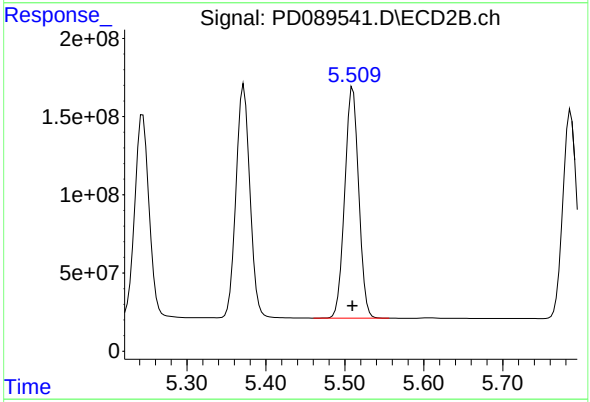
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1815537120
Conc: 71.70 ng/ml



#13 Dieldrin

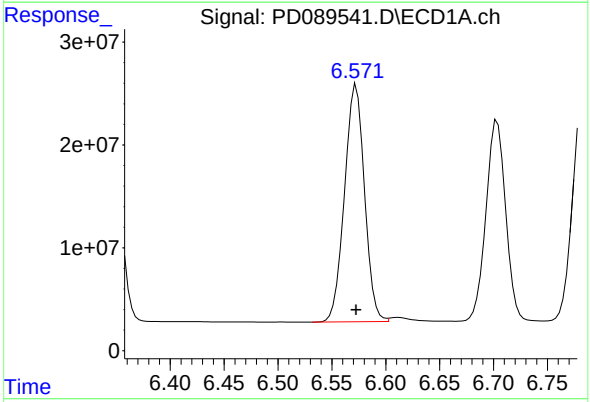
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 347685381
Conc: 74.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



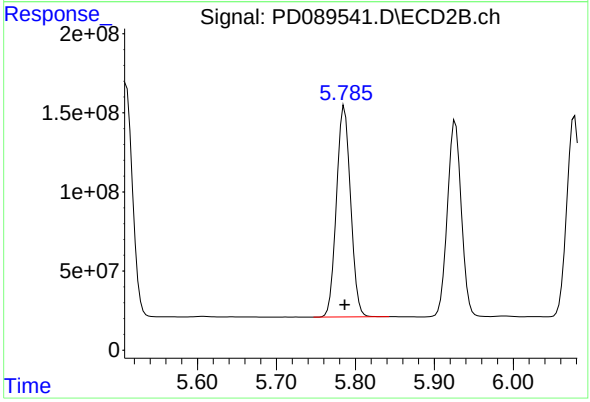
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 1819571030
Conc: 71.22 ng/ml



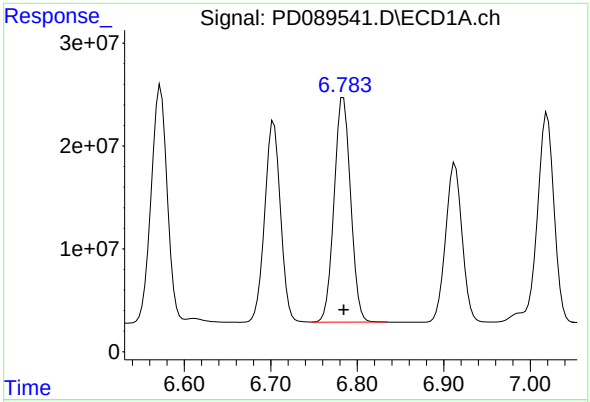
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 297818127
Conc: 74.29 ng/ml



#14 Endrin

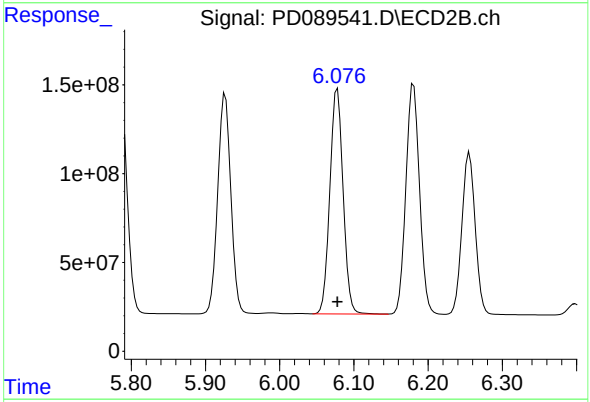
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 1658990909
Conc: 71.30 ng/ml



#15 Endosulfan II

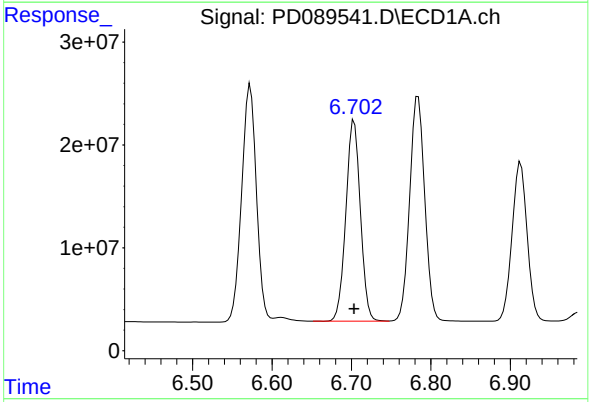
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 288462619
Conc: 73.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



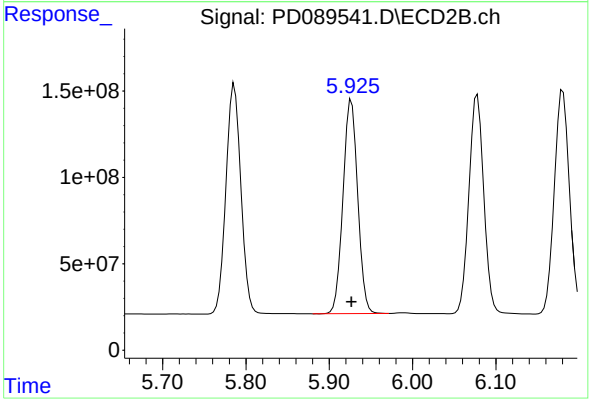
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 1575287050
Conc: 71.38 ng/ml



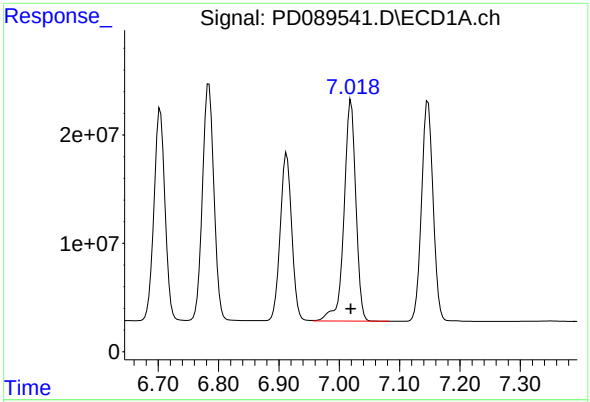
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 248000138
Conc: 74.30 ng/ml



#16 4,4'-DDD

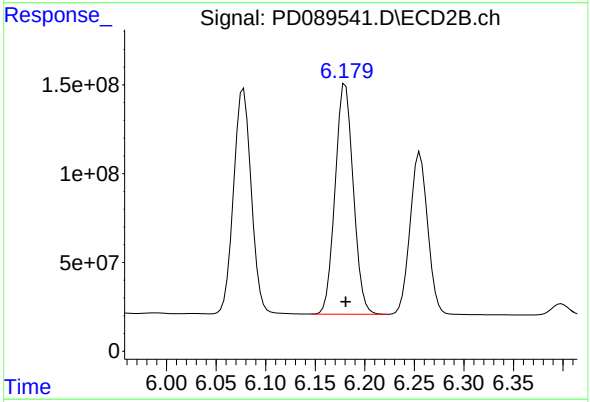
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 1519185098
Conc: 72.03 ng/ml



#17 4,4'-DDT

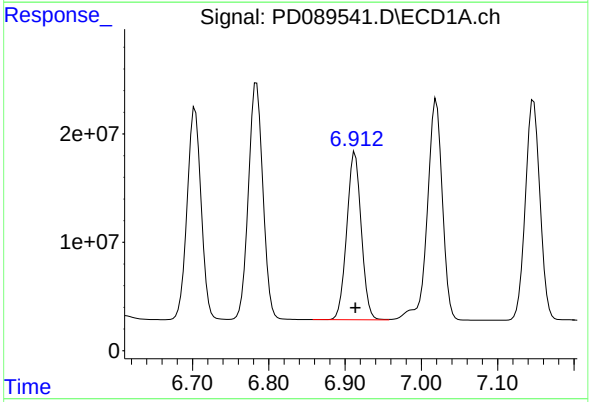
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 278107257
Conc: 74.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



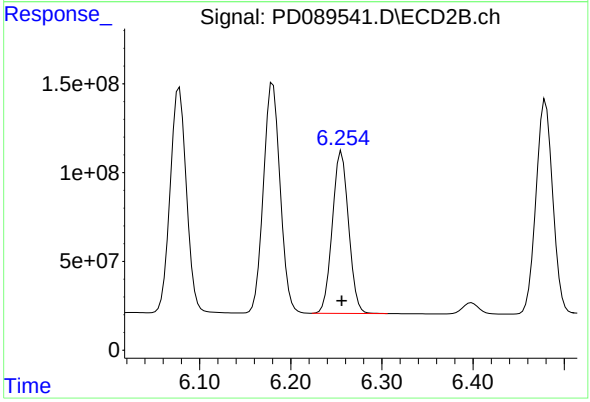
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 1654942774
Conc: 72.38 ng/ml



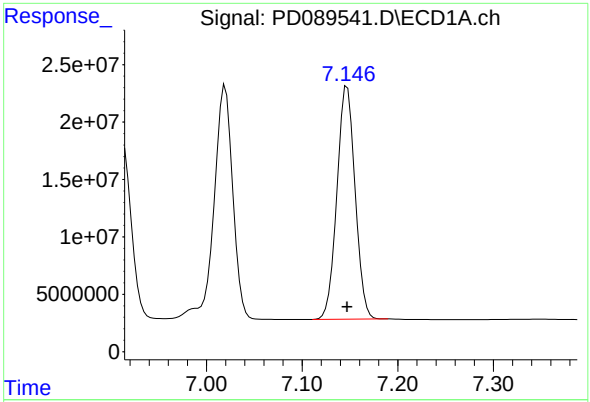
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 204867195
Conc: 72.93 ng/ml



#18 Endrin aldehyde

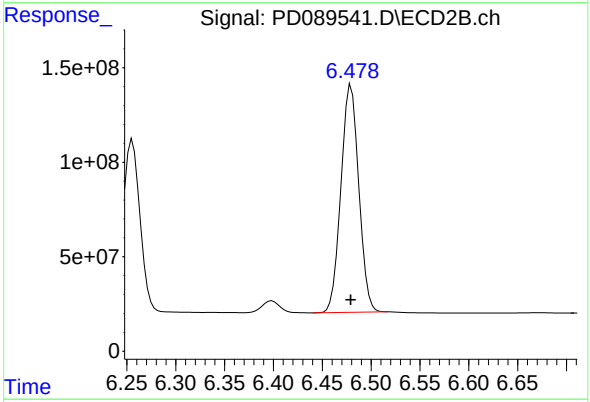
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 1130173852
Conc: 71.62 ng/ml



#19 Endosulfan Sulfate

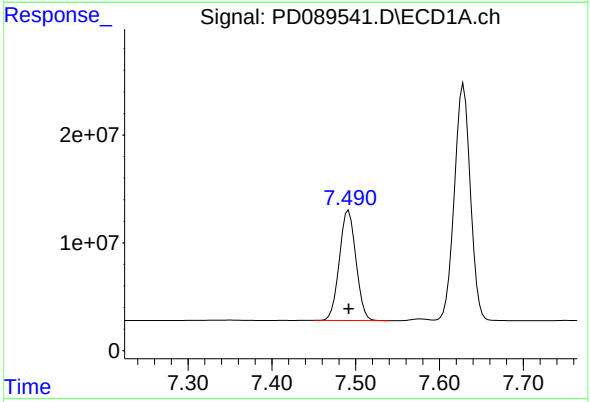
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 268892407
Conc: 73.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



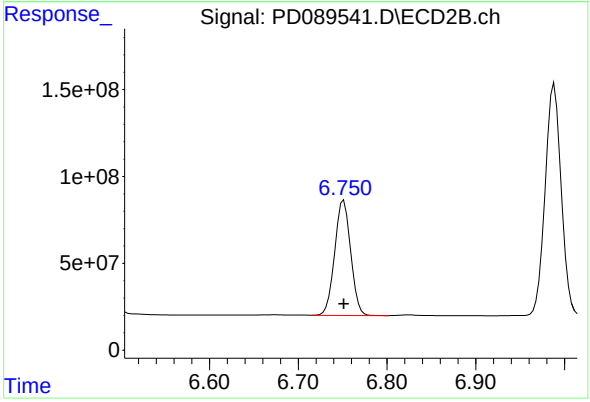
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 1532171990
Conc: 72.12 ng/ml



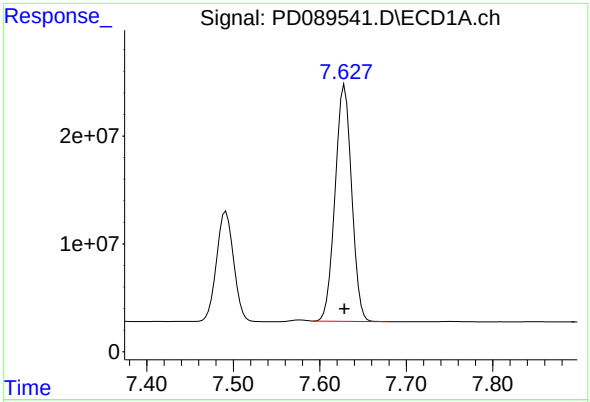
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 140384328
Conc: 72.03 ng/ml



#20 Methoxychlor

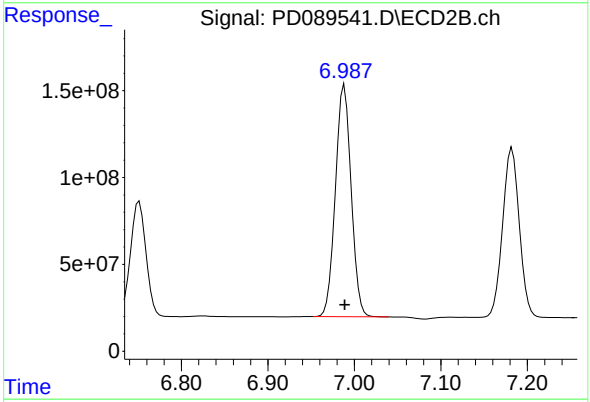
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 830605433
Conc: 70.79 ng/ml



#21 Endrin ketone

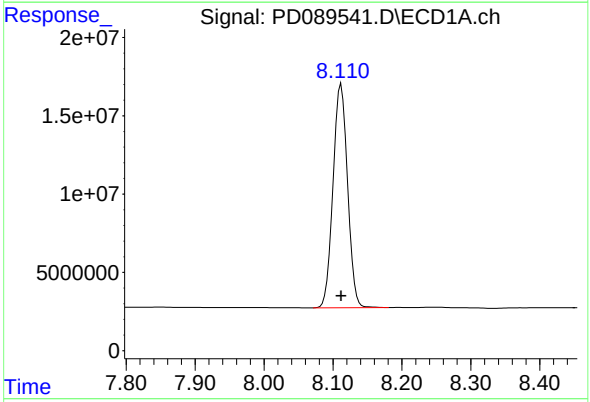
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 289365660
Conc: 73.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



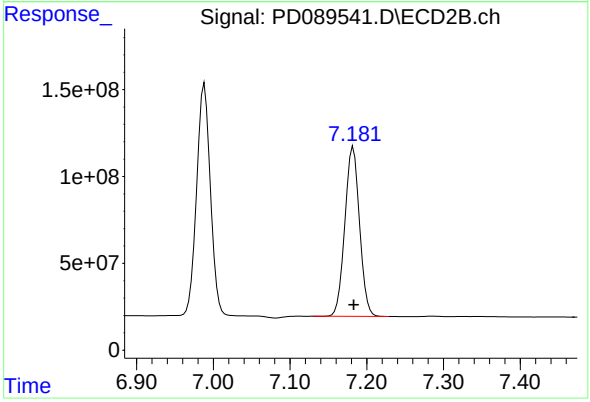
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 1677749190
Conc: 71.62 ng/ml



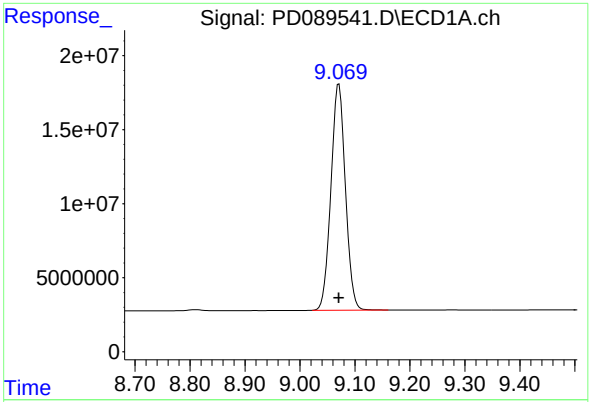
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 209333504
Conc: 71.54 ng/ml



#22 Mirex

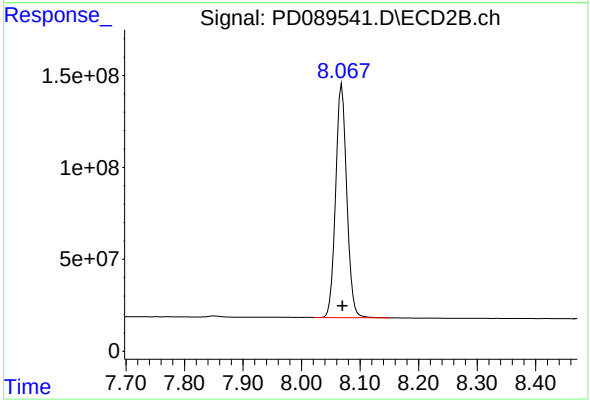
R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 1307537618
Conc: 71.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 279468461
Conc: 71.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.001 min
Response: 1675592345
Conc: 71.80 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089542.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:16
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: Jul 22 03:52:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	141.9E6	949.4E6	50.000	50.000
28)	SA Decachlor...	9.071	8.070	196.0E6	1166.9E6	50.000	50.000
	Target Compounds						
2)	A alpha-BHC	3.998	3.391	289.7E6	1466.5E6	50.000	50.000
3)	MA gamma-BHC...	4.328	3.727	275.8E6	1354.5E6	50.000	50.000
4)	MA Heptachlor	4.927	4.080	270.4E6	1359.6E6	50.000	50.000
5)	MB Aldrin	5.269	4.366	260.1E6	1333.0E6	50.000	50.000
6)	B beta-BHC	4.514	4.023	105.2E6	576.7E6	50.000	50.000
7)	B delta-BHC	4.763	4.260	266.7E6	1362.7E6	50.000	50.000
8)	B Heptachlo...	5.688	4.870	231.2E6	1200.8E6	50.000	50.000
9)	A Endosulfan I	6.072	5.244	217.6E6	1144.6E6	50.000	50.000
10)	B gamma-Chl...	5.944	5.123	233.0E6	1290.5E6	50.000	50.000
11)	B alpha-Chl...	6.024	5.187	232.9E6	1242.8E6	50.000	50.000
12)	B 4,4'-DDE	6.194	5.372	212.1E6	1266.0E6	50.000	50.000
13)	MA Dieldrin	6.345	5.510	233.6E6	1277.4E6	50.000	50.000
14)	MA Endrin	6.572	5.787	200.5E6	1163.4E6	50.000	50.000
15)	B Endosulfa...	6.784	6.078	197.0E6	1103.5E6	50.000	50.000
16)	A 4,4'-DDD	6.703	5.927	166.9E6	1054.6E6	50.000	50.000
17)	MA 4,4'-DDT	7.019	6.181	186.6E6	1143.3E6	50.000	50.000
18)	B Endrin al...	6.913	6.256	140.5E6	789.0E6	50.000	50.000
19)	B Endosulfa...	7.147	6.479	183.4E6	1062.3E6	50.000	50.000
20)	A Methoxychlor	7.492	6.751	97441869	586.7E6	50.000	50.000
21)	B Endrin ke...	7.628	6.989	196.9E6	1171.2E6	50.000	50.000
22)	Mirex	8.112	7.183	146.3E6	917.3E6	50.000	50.000

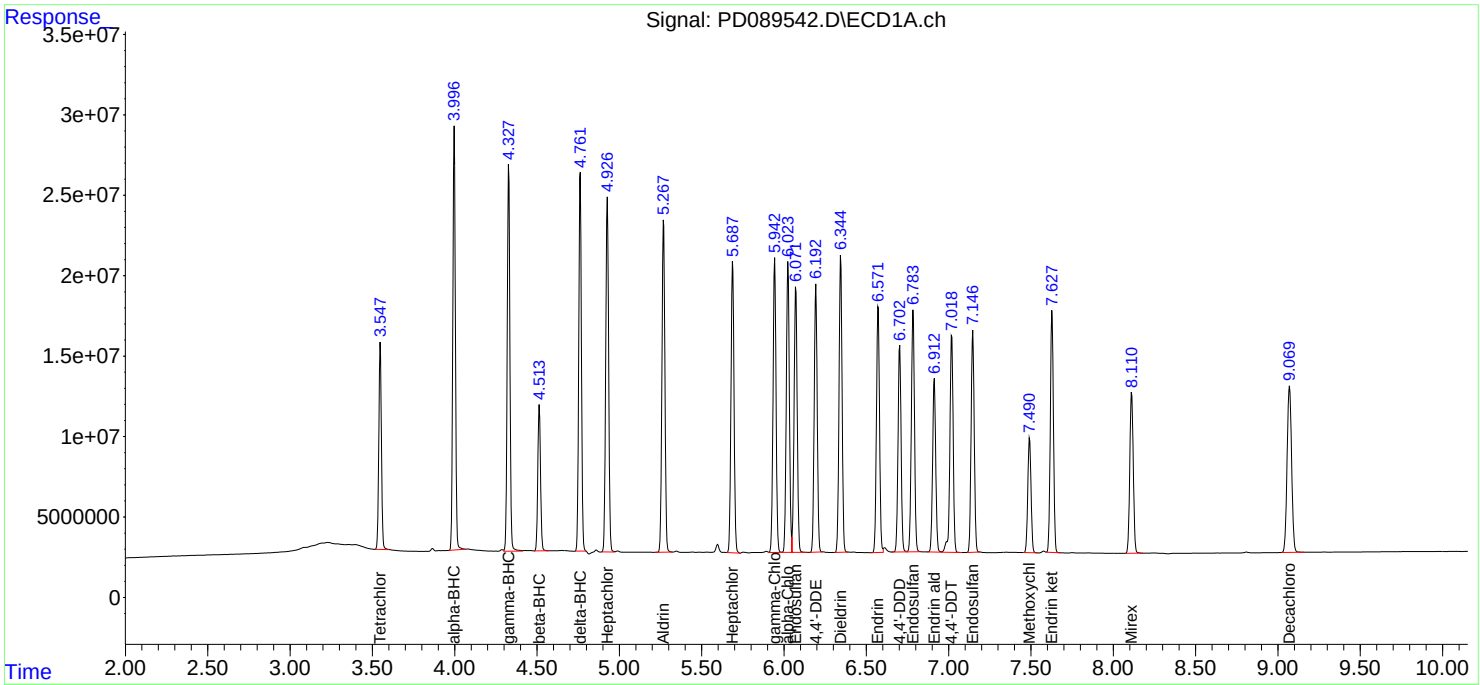
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

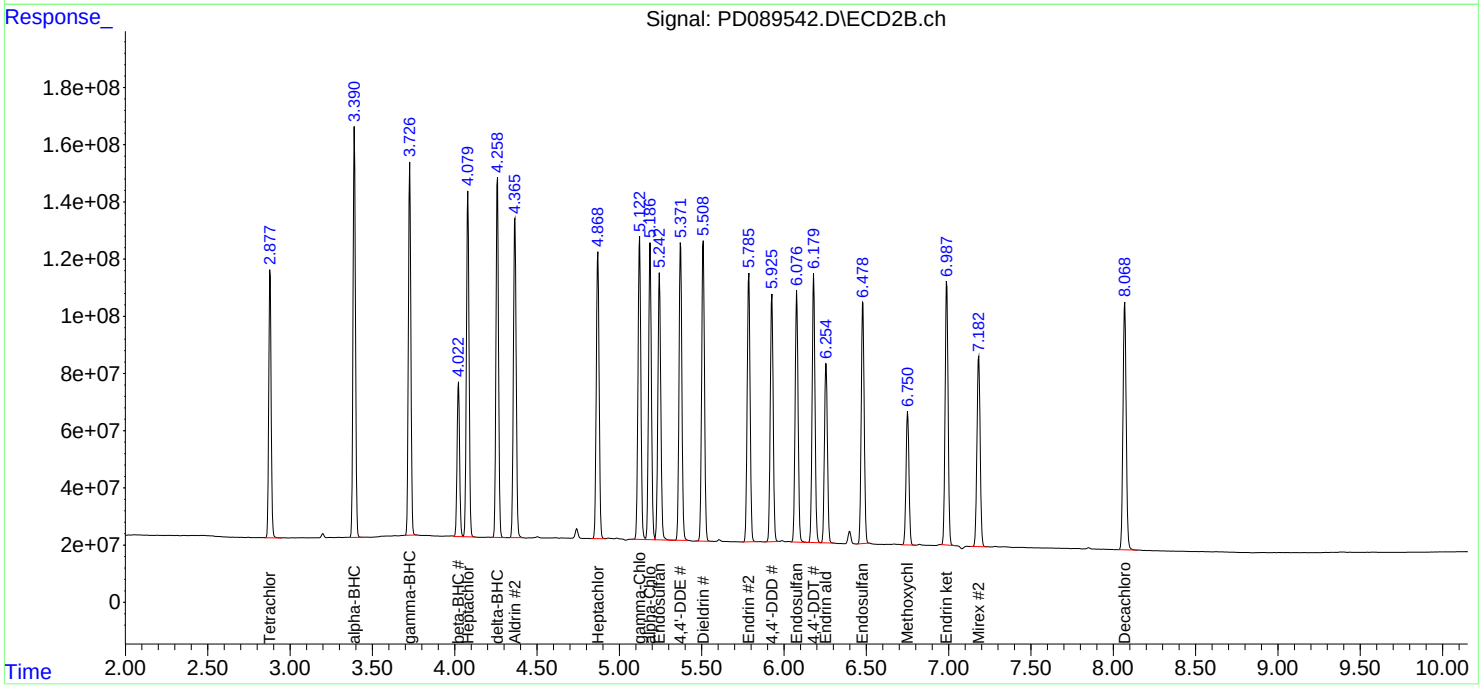
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089542.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:16
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

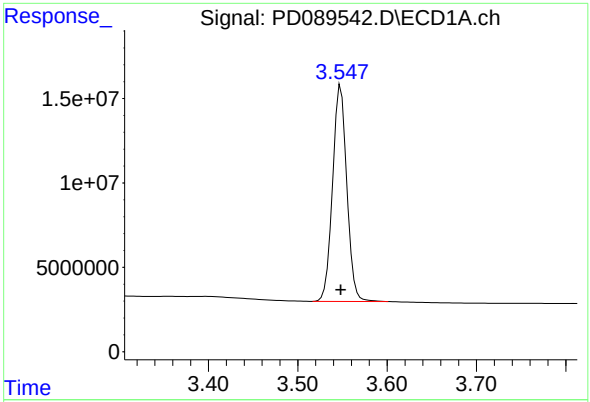
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:52:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



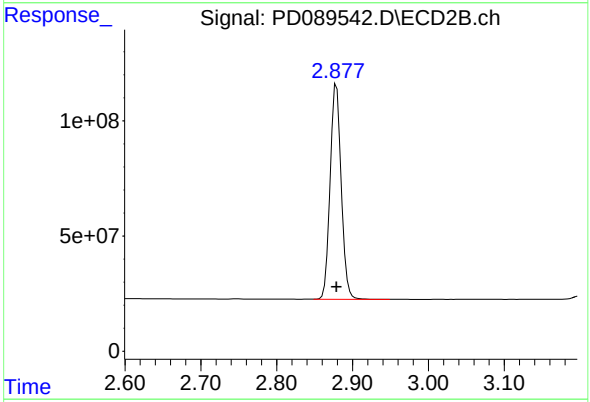




#1 Tetrachloro-m-xylene

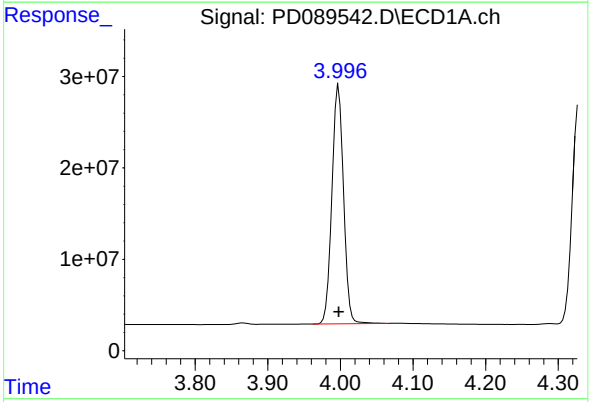
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 141890981
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



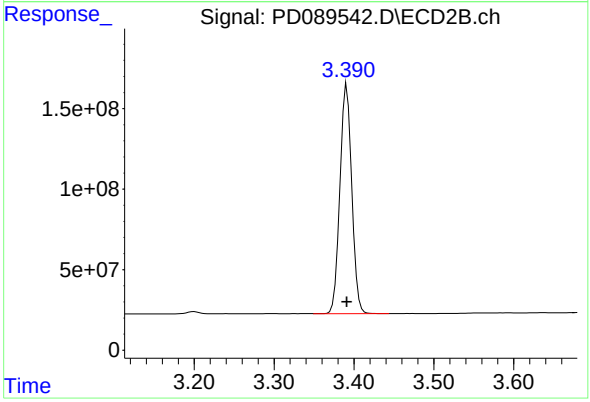
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 949394110
Conc: 50.00 ng/ml



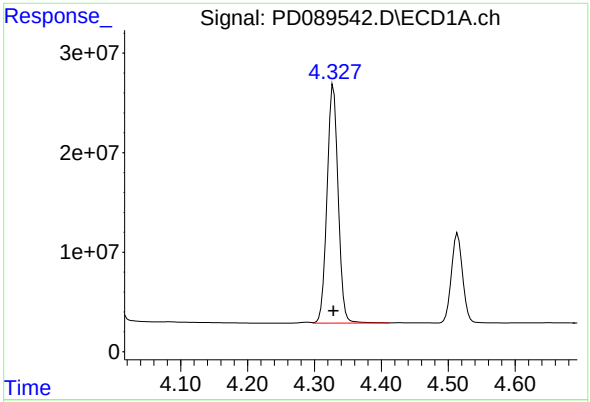
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 289681416
Conc: 50.00 ng/ml



#2 alpha-BHC

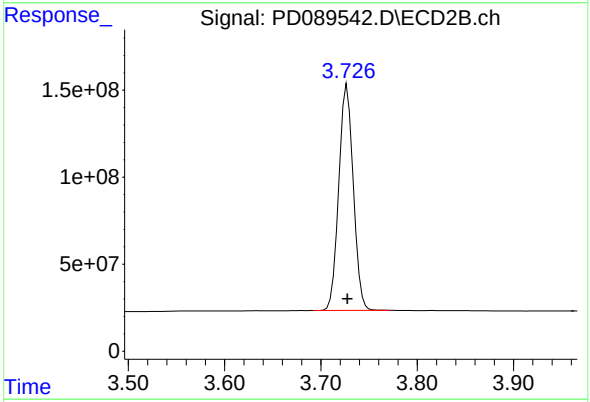
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1466460793
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

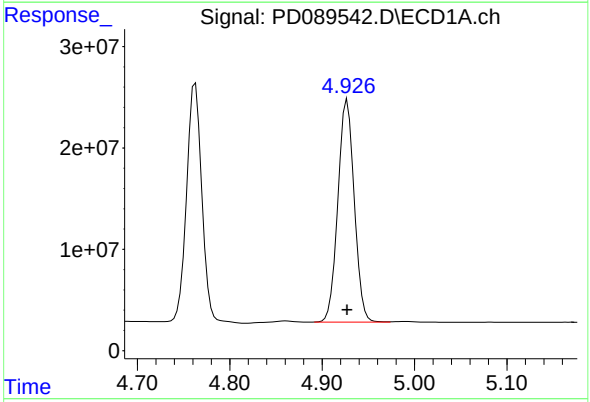
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 275773228
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



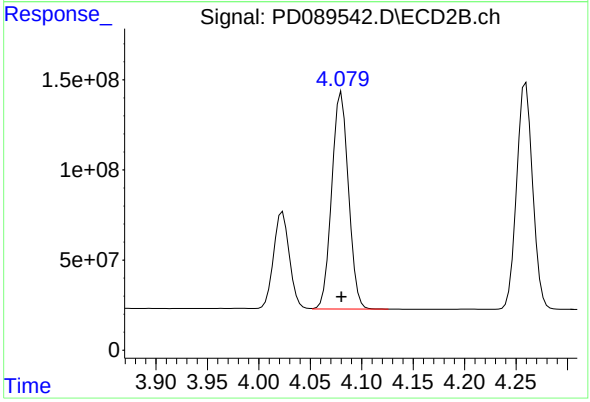
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1354537306
Conc: 50.00 ng/ml



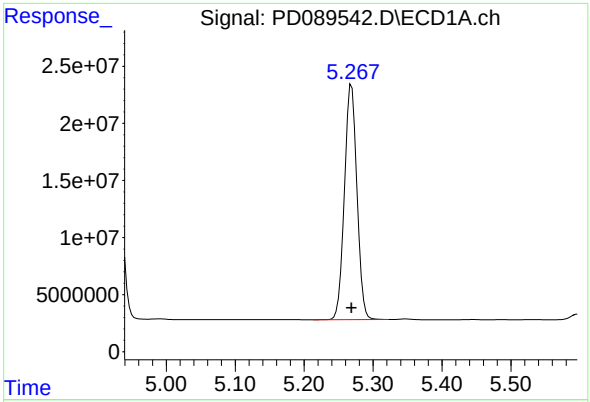
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 270421753
Conc: 50.00 ng/ml



#4 Heptachlor

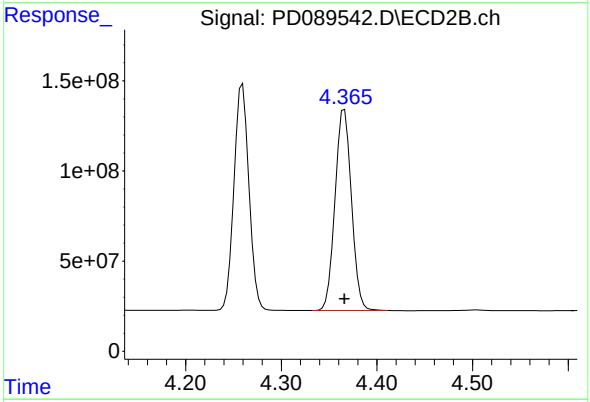
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1359602305
Conc: 50.00 ng/ml



#5 Aldrin

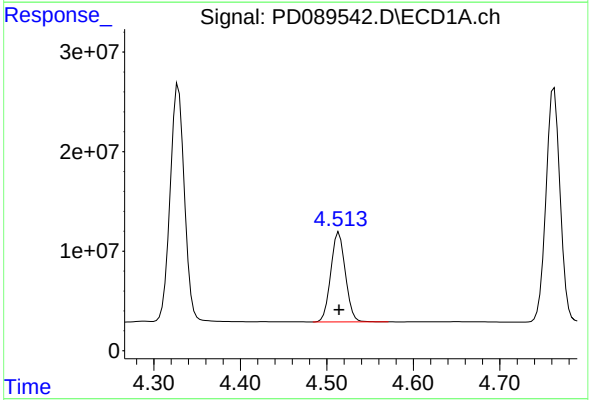
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 260088033
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



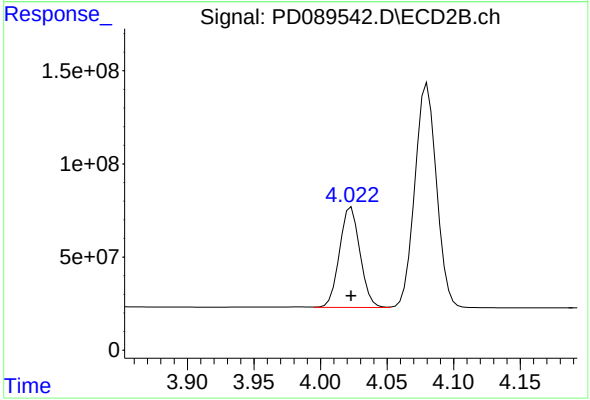
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1333043621
Conc: 50.00 ng/ml



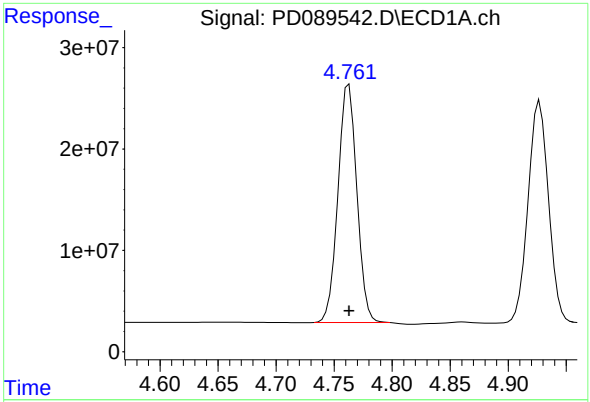
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 105192754
Conc: 50.00 ng/ml



#6 beta-BHC

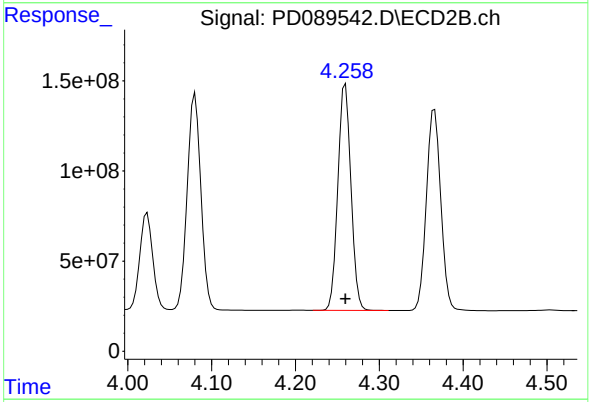
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 576682160
Conc: 50.00 ng/ml



#7 delta-BHC

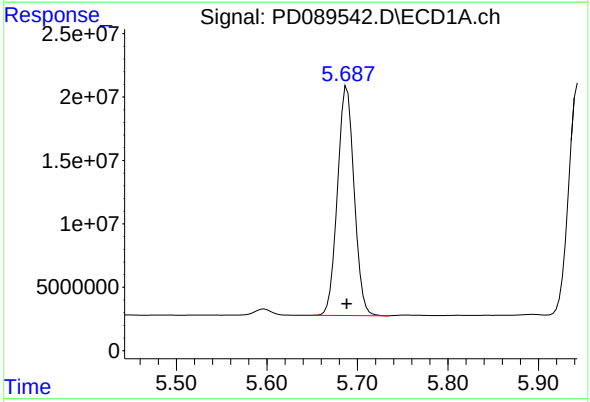
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 266663515
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



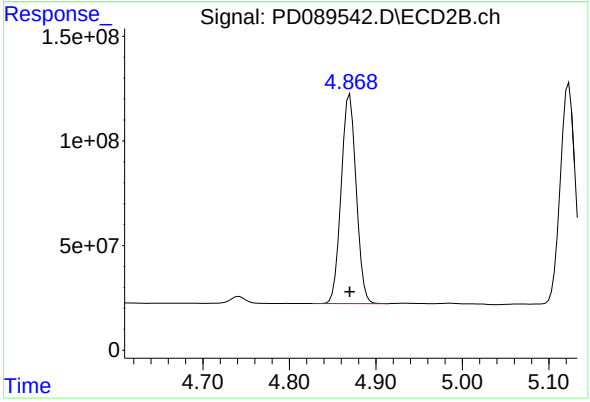
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1362740760
Conc: 50.00 ng/ml



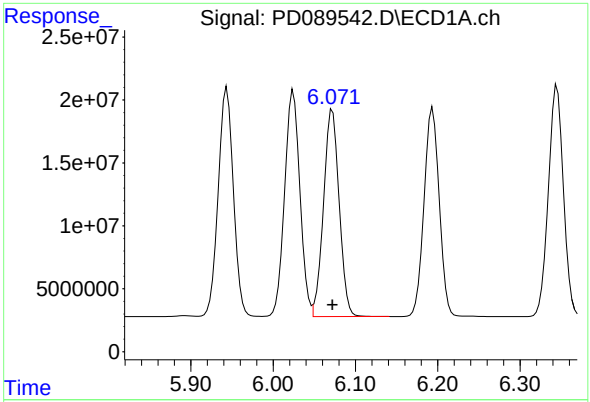
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 231197356
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

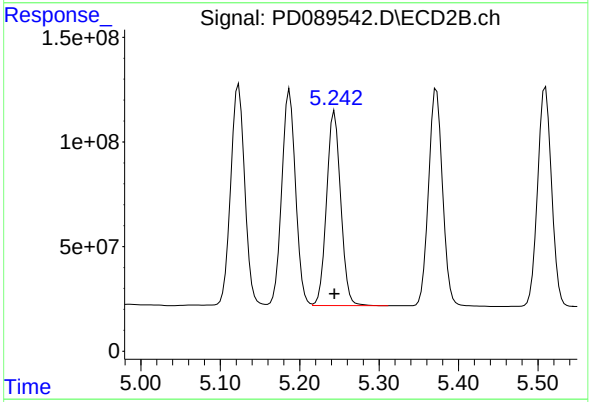
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 1200767945
Conc: 50.00 ng/ml



#9 Endosulfan I

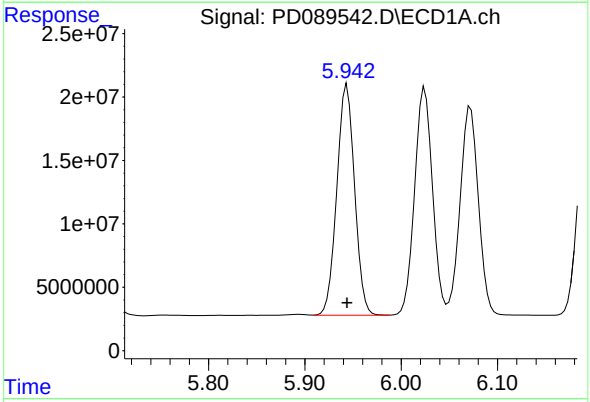
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 217602728
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



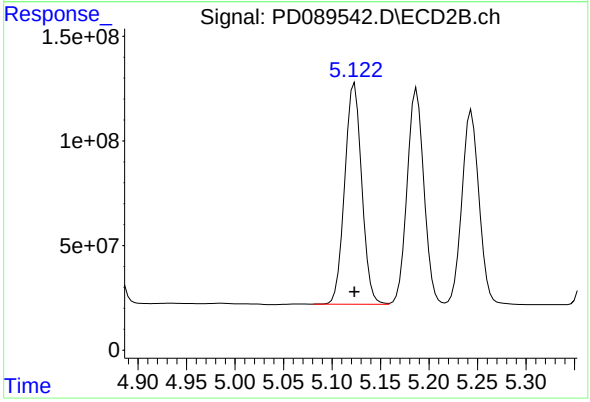
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 1144637578
Conc: 50.00 ng/ml



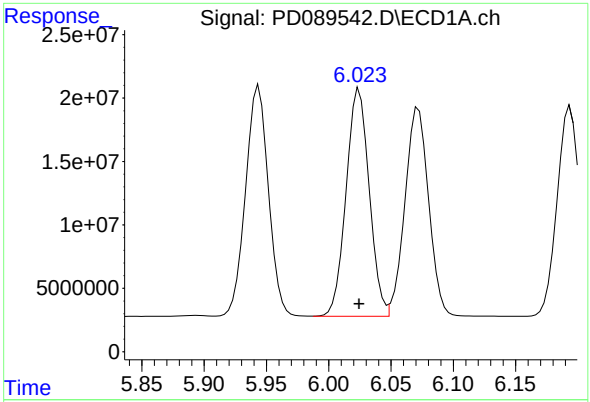
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 233015109
Conc: 50.00 ng/ml



#10 gamma-Chlordane

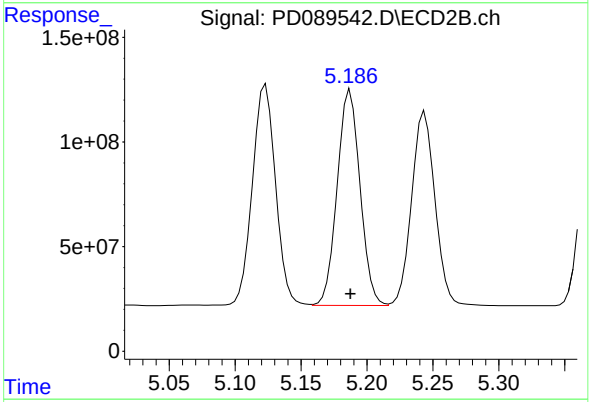
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1290546110
Conc: 50.00 ng/ml



#11 alpha-Chlordane

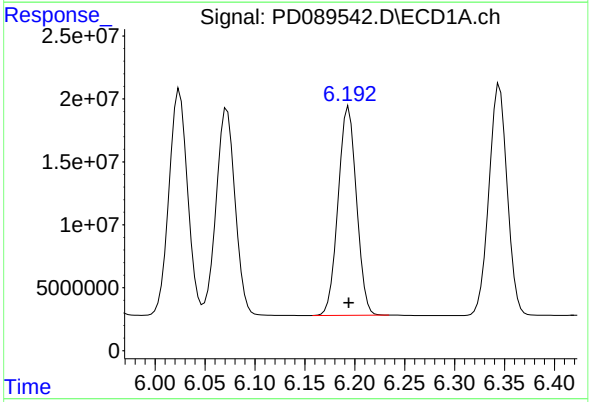
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 232860412
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



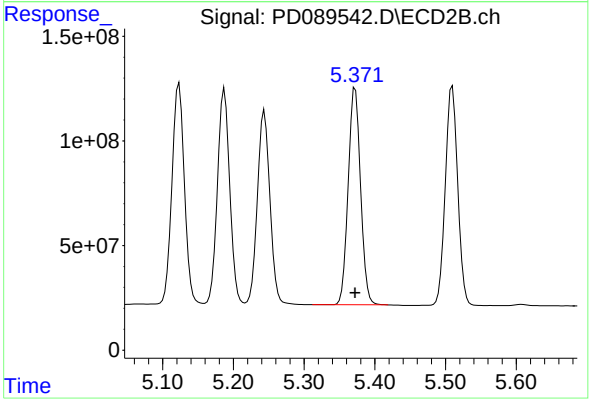
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 1242753907
Conc: 50.00 ng/ml



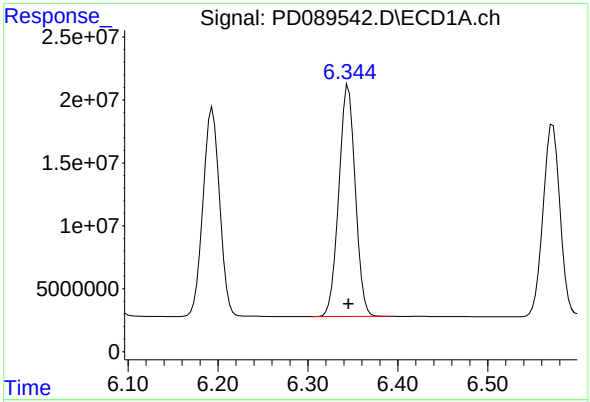
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 212097277
Conc: 50.00 ng/ml



#12 4,4'-DDE

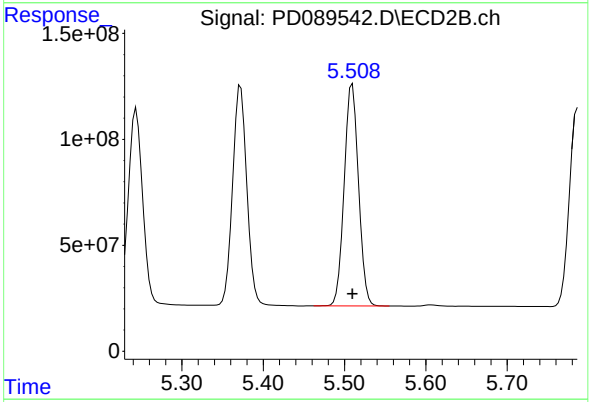
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1266044965
Conc: 50.00 ng/ml



#13 Dieldrin

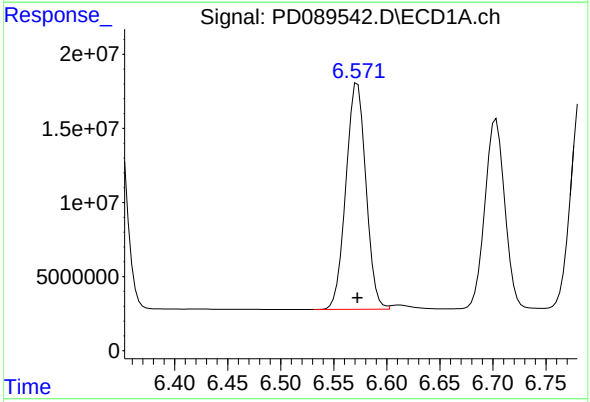
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 233624613
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



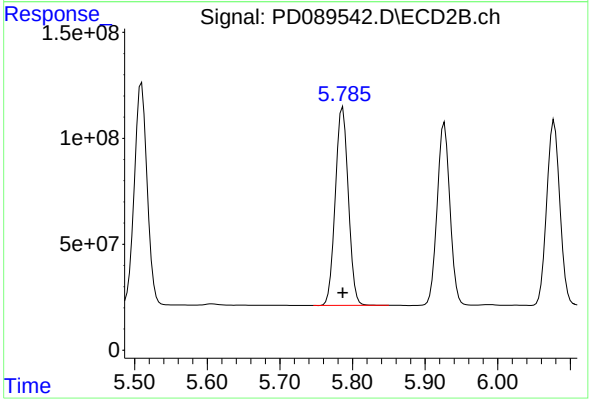
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 1277363881
Conc: 50.00 ng/ml



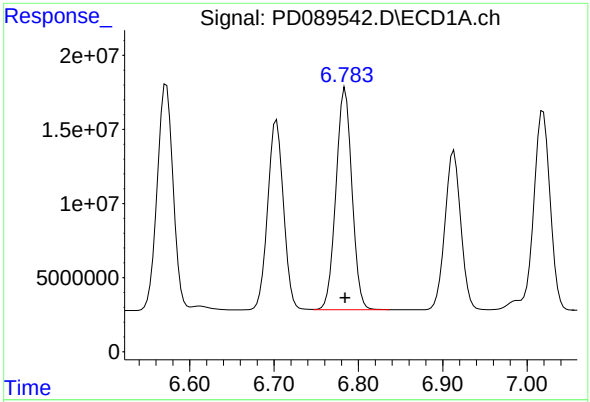
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 200451760
Conc: 50.00 ng/ml



#14 Endrin

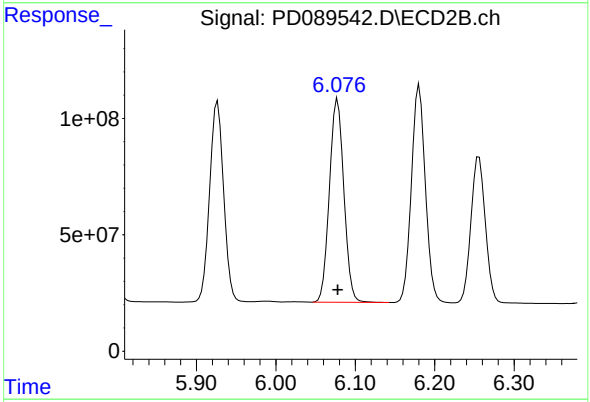
R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 1163411691
Conc: 50.00 ng/ml



#15 Endosulfan II

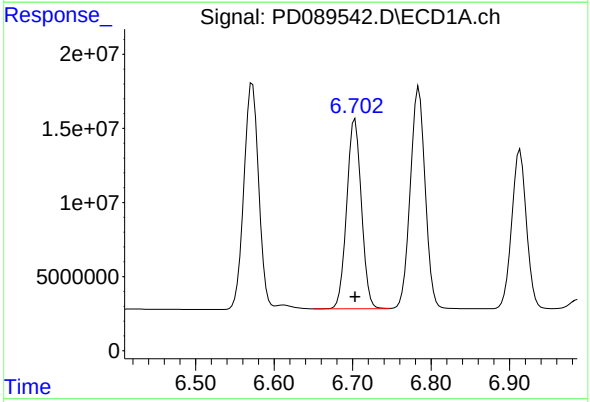
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 197018314
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



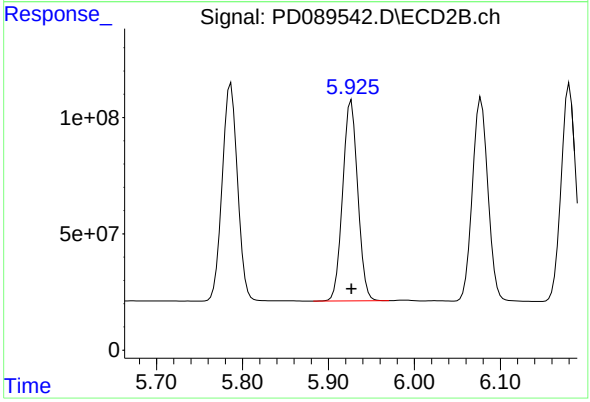
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 1103463632
Conc: 50.00 ng/ml



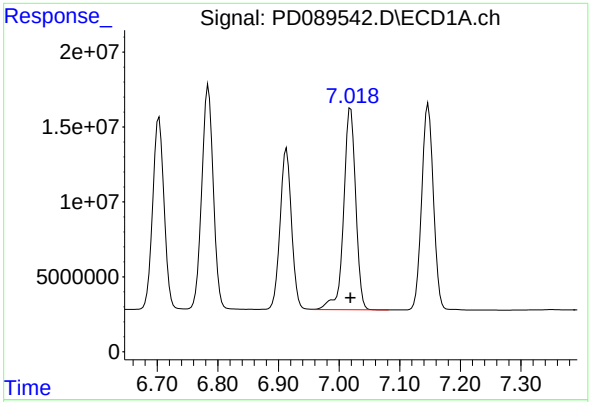
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 166887641
Conc: 50.00 ng/ml



#16 4,4'-DDD

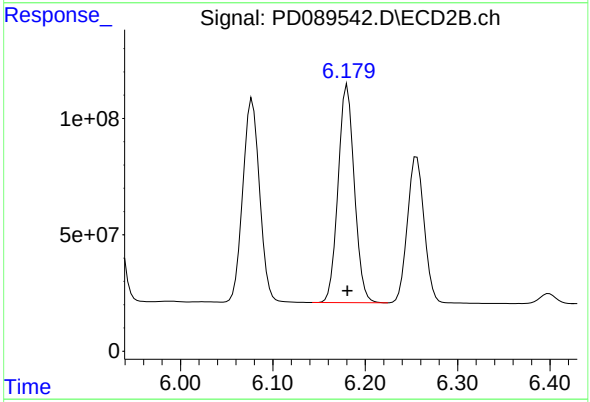
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 1054571011
Conc: 50.00 ng/ml



#17 4,4'-DDT

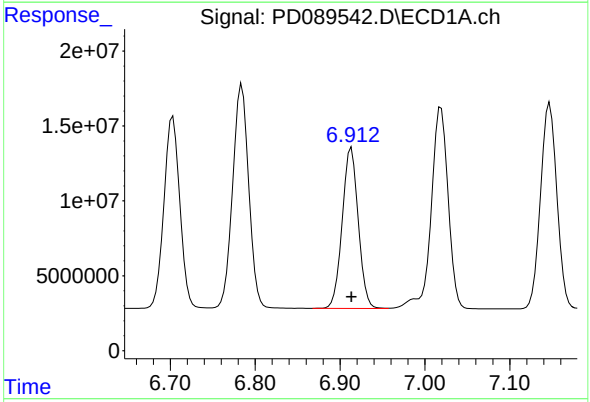
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 186636167
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



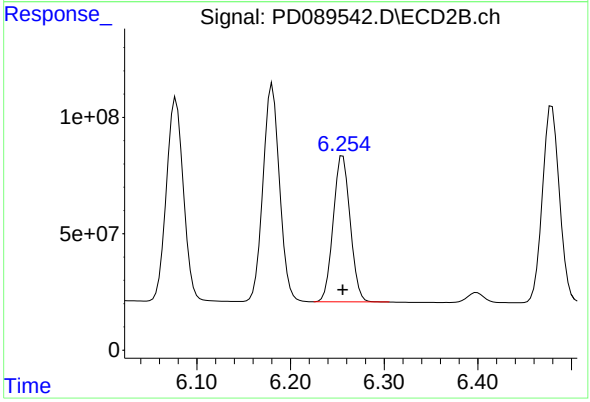
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 1143296466
Conc: 50.00 ng/ml



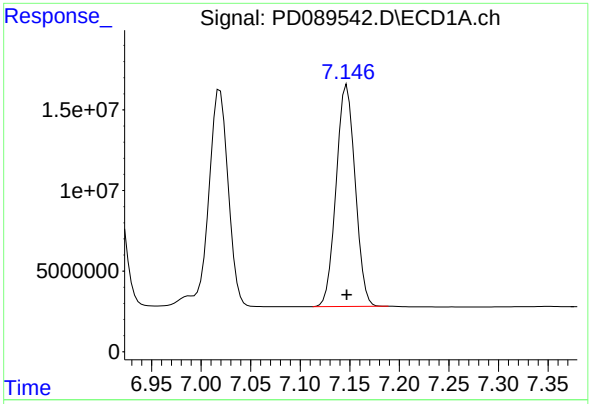
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 140453230
Conc: 50.00 ng/ml



#18 Endrin aldehyde

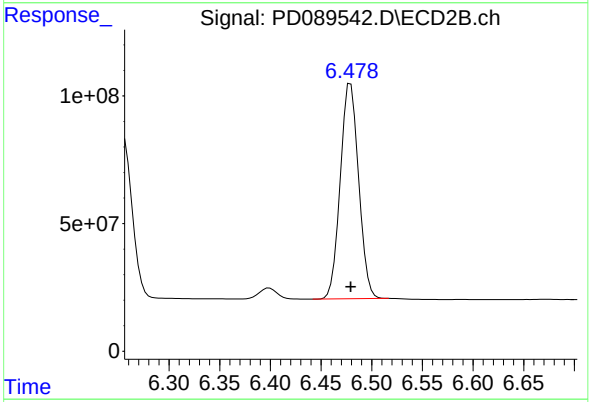
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 788987848
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

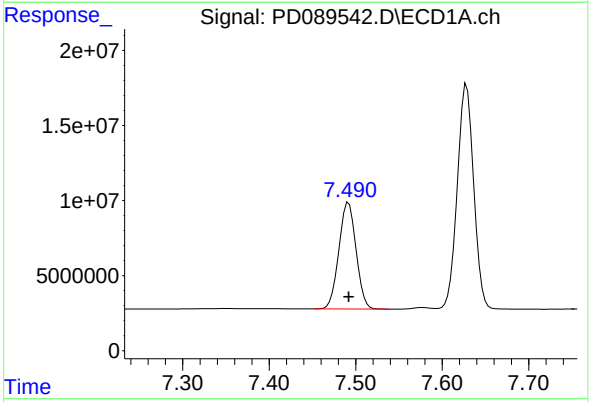
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 183396187
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



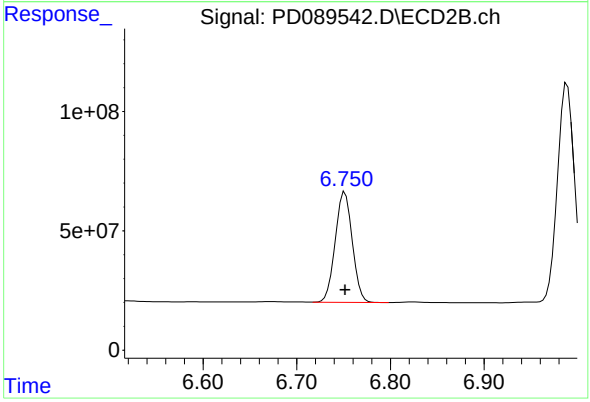
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 1062298521
Conc: 50.00 ng/ml



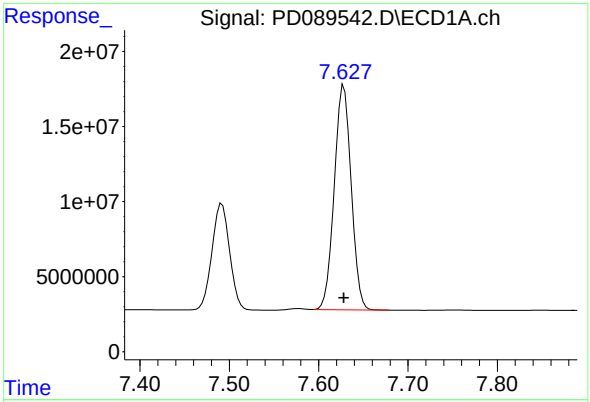
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 97441869
Conc: 50.00 ng/ml



#20 Methoxychlor

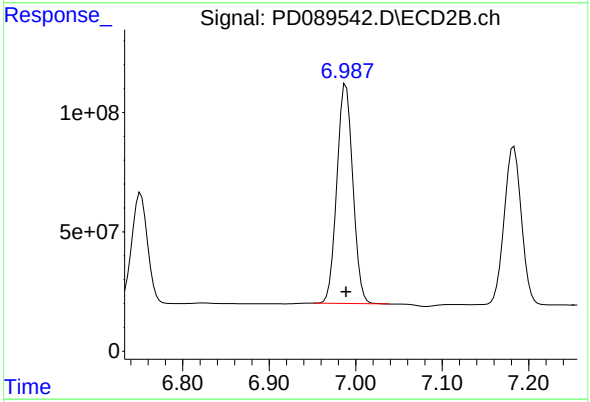
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 586696866
Conc: 50.00 ng/ml



#21 Endrin ketone

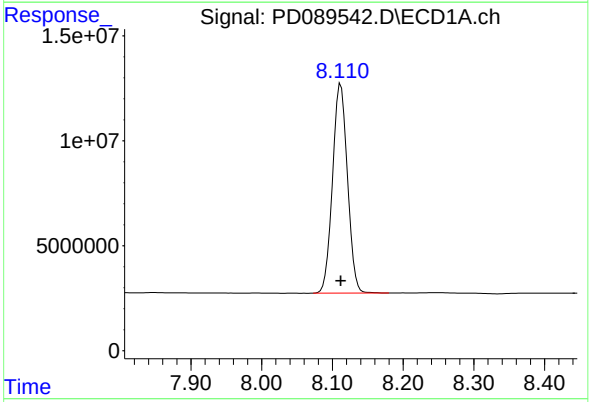
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 196853240
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



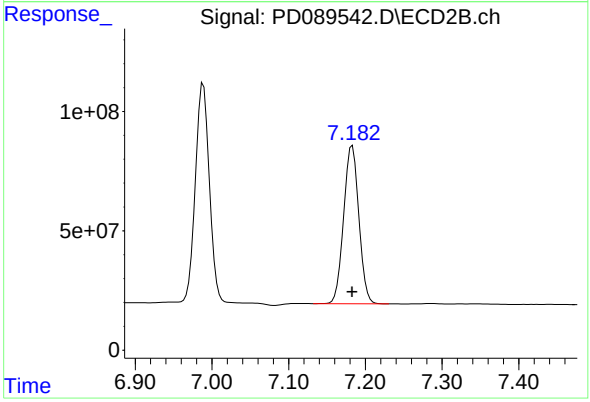
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 1171249946
Conc: 50.00 ng/ml



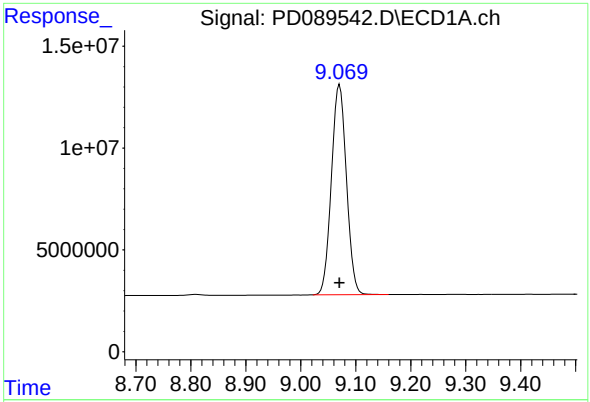
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 146295135
Conc: 50.00 ng/ml



#22 Mirex

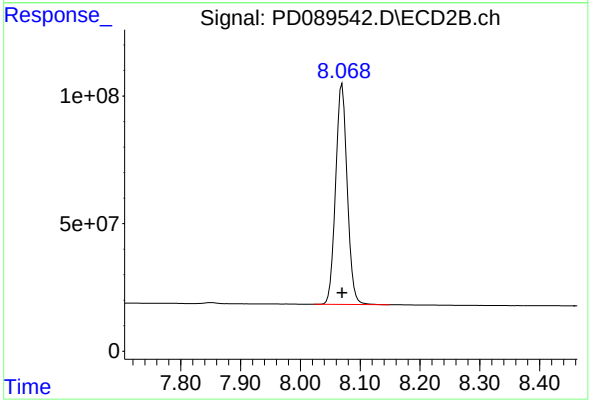
R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 917308070
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 196003825
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 1166871550
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:30
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: Jul 22 03:52:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	71022500	490.6E6	25.027	25.835
28)	SA Decachlor...	9.070	8.069	104.3E6	619.2E6	26.611	26.530
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	135.8E6	746.9E6	23.443	25.468
3)	MA gamma-BHC...	4.328	3.727	131.5E6	690.9E6	23.845	25.505
4)	MA Heptachlor	4.927	4.080	131.4E6	708.2E6	24.290	26.045
5)	MB Aldrin	5.269	4.366	126.1E6	689.0E6	24.237	25.844
6)	B beta-BHC	4.514	4.024	53486113	300.9E6	25.423	26.088
7)	B delta-BHC	4.762	4.260	125.7E6	696.9E6	23.571	25.569
8)	B Heptachlo...	5.688	4.870	114.5E6	628.7E6	24.752	26.178
9)	A Endosulfan I	6.072	5.244	108.5E6	602.7E6	24.940	26.328
10)	B gamma-Chl...	5.944	5.123	114.8E6	671.4E6	24.628	26.012
11)	B alpha-Chl...	6.025	5.188	115.9E6	649.5E6	24.885	26.132
12)	B 4,4'-DDE	6.194	5.373	103.3E6	662.0E6	24.355	26.143
13)	MA Dieldrin	6.345	5.510	114.4E6	666.7E6	24.478	26.097
14)	MA Endrin	6.572	5.786	98383432	613.6E6	24.540	26.369
15)	B Endosulfa...	6.784	6.078	99251875	584.6E6	25.188	26.490
16)	A 4,4'-DDD	6.703	5.927	81853481	554.5E6	24.524	26.290
17)	MA 4,4'-DDT	7.019	6.181	91580250	595.0E6	24.534	26.021
18)	B Endrin al...	6.913	6.256	72479554	423.4E6	25.802	26.833
19)	B Endosulfa...	7.148	6.480	92984156	567.2E6	25.351	26.695
20)	A Methoxychlor	7.491	6.752	50616003	314.6E6	25.972	26.811
21)	B Endrin ke...	7.628	6.989	99228164	628.1E6	25.204	26.812
22)	Mirex	8.112	7.183	77743035	496.1E6	26.571	27.042

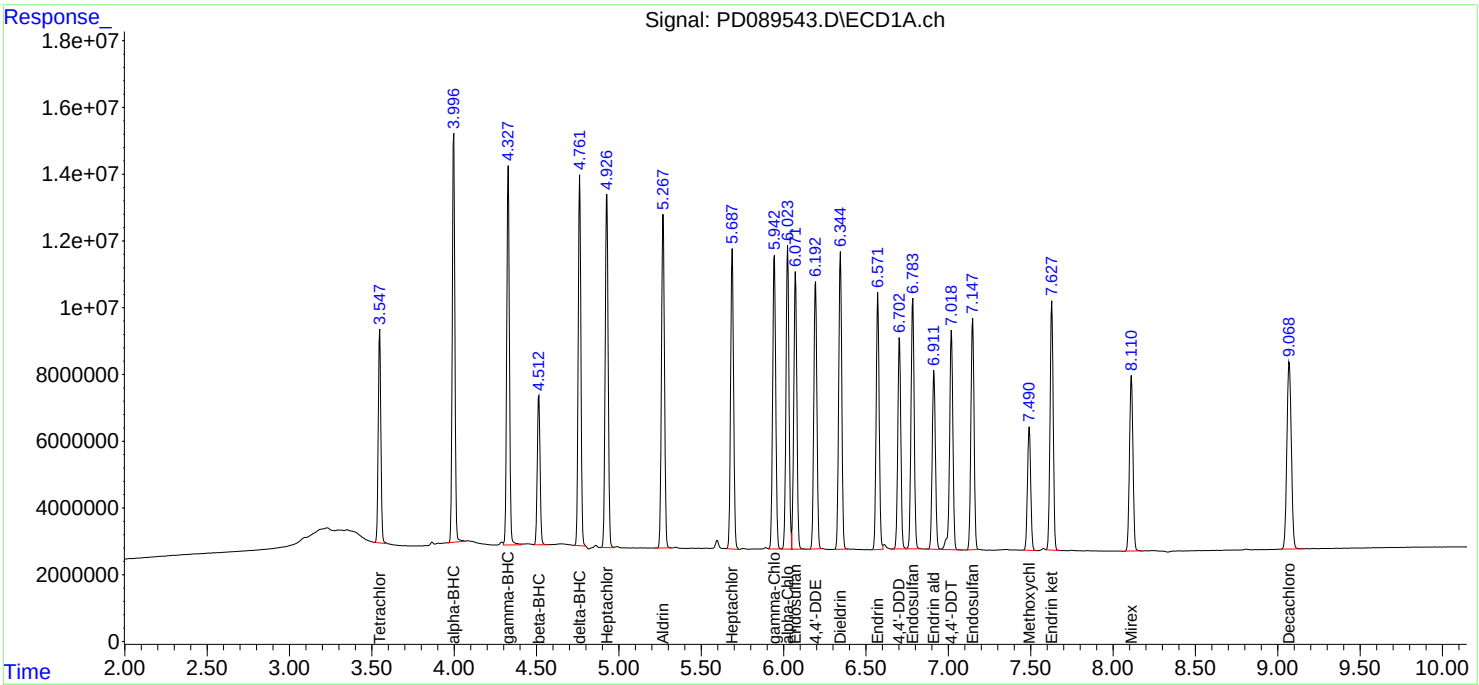
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

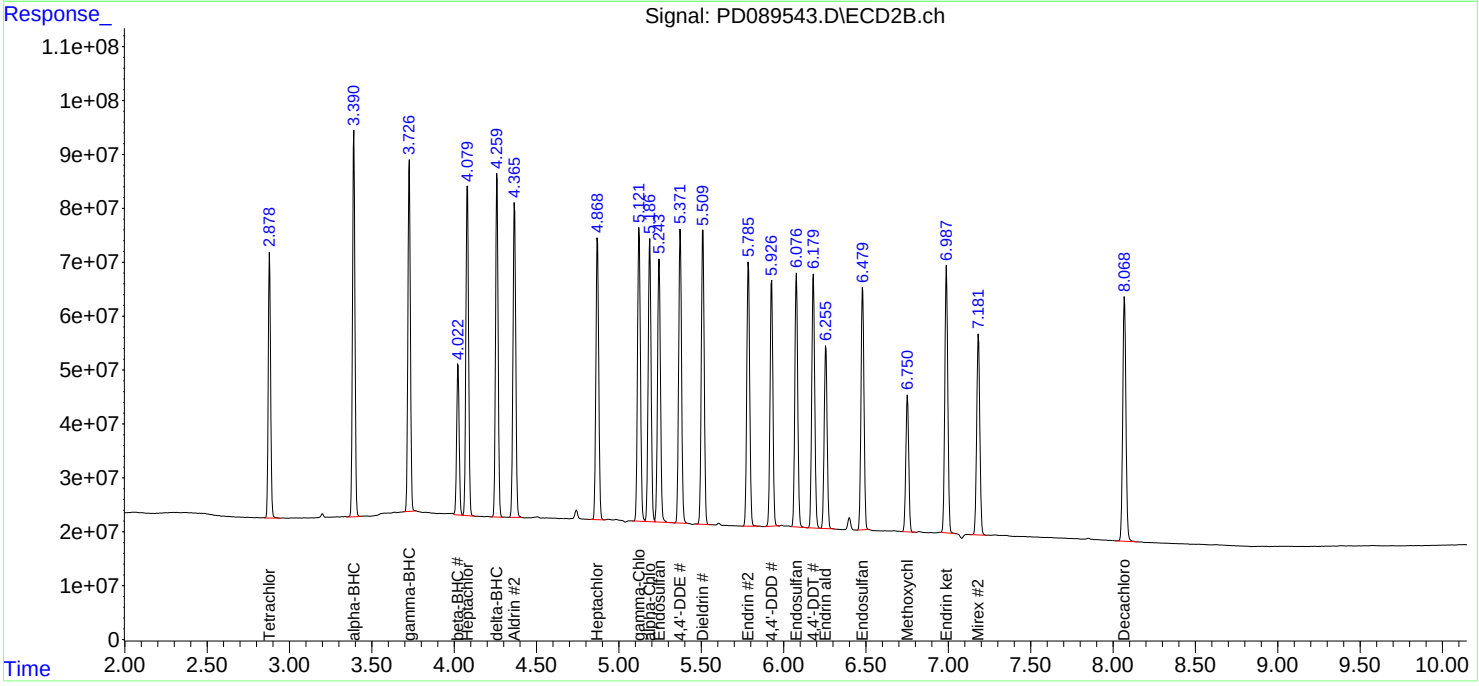
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:30
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

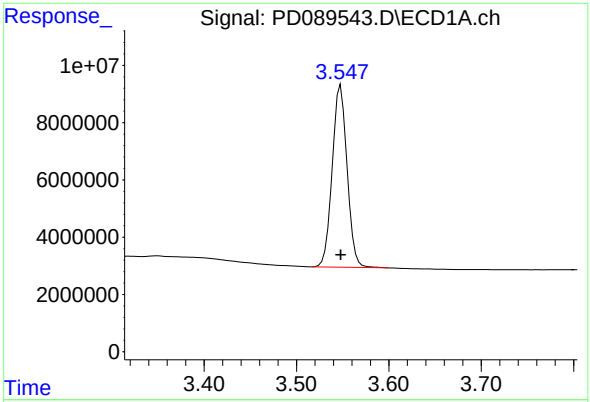
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:52:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



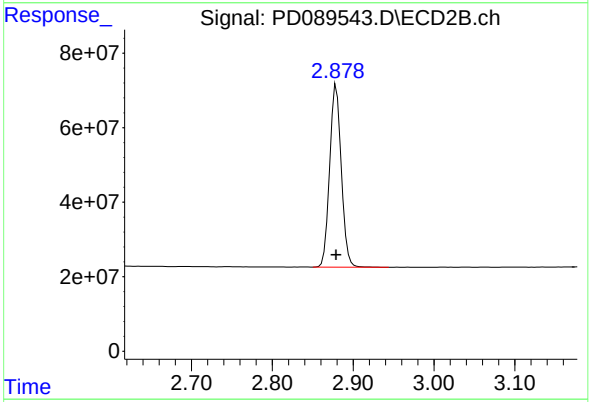




#1 Tetrachloro-m-xylene

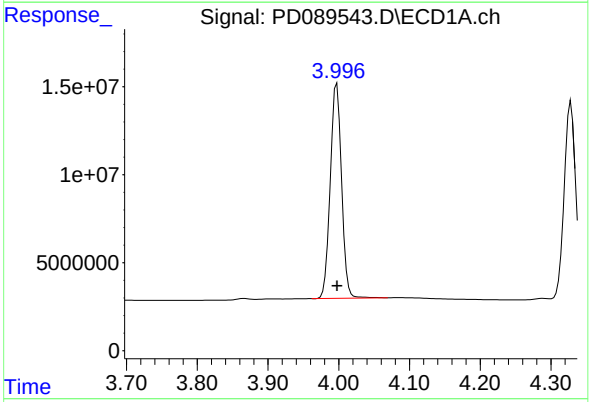
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 71022500
Conc: 25.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



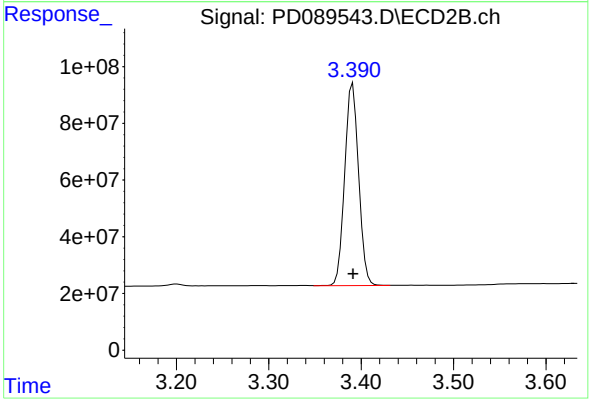
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 490560877
Conc: 25.84 ng/ml



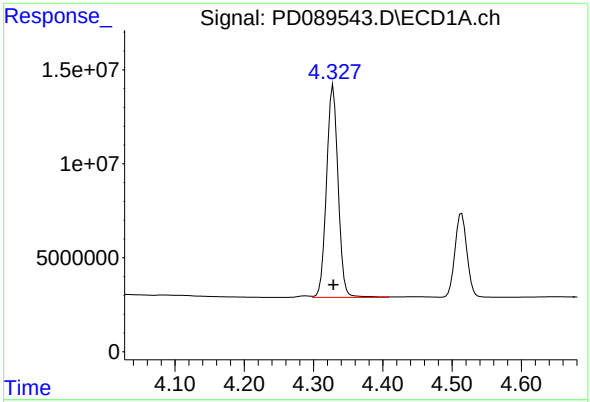
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 135817226
Conc: 23.44 ng/ml



#2 alpha-BHC

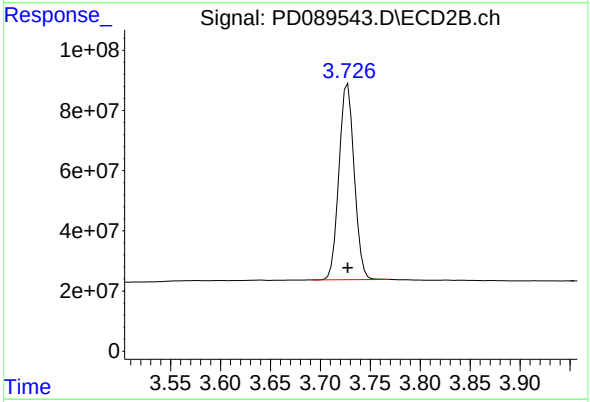
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 746945086
Conc: 25.47 ng/ml



#3 gamma-BHC (Lindane)

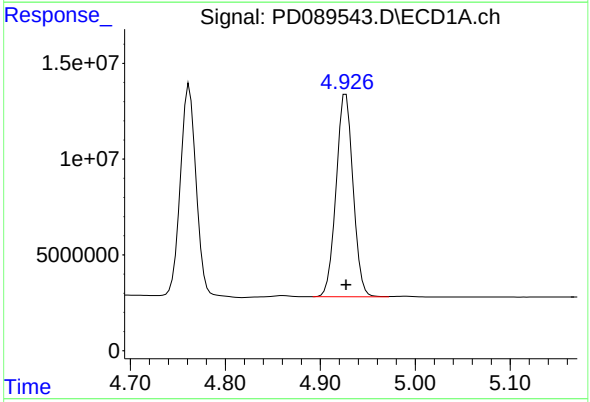
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 131516800
Conc: 23.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



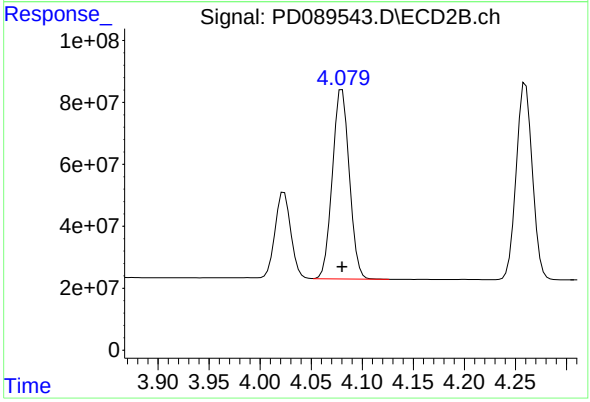
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 690948453
Conc: 25.50 ng/ml



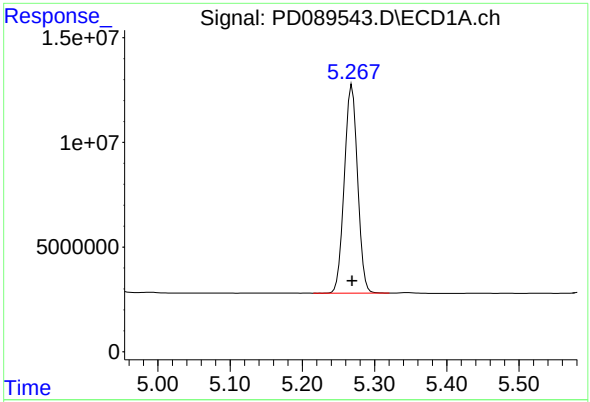
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 131372955
Conc: 24.29 ng/ml



#4 Heptachlor

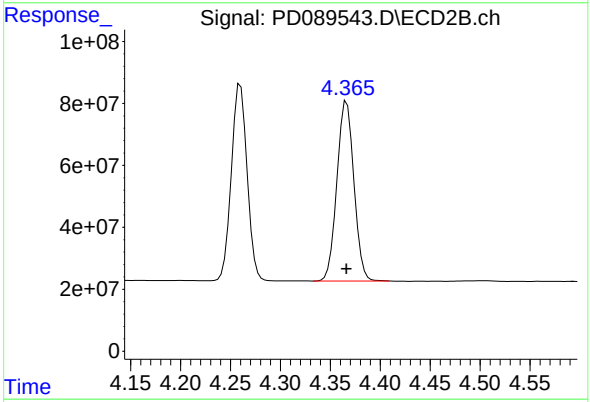
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 708223096
Conc: 26.05 ng/ml



#5 Aldrin

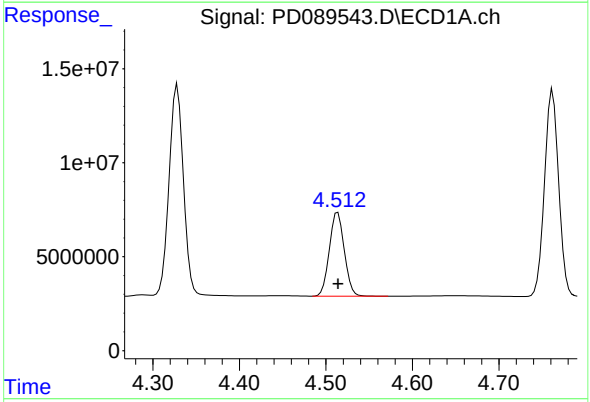
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 126076081
Conc: 24.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



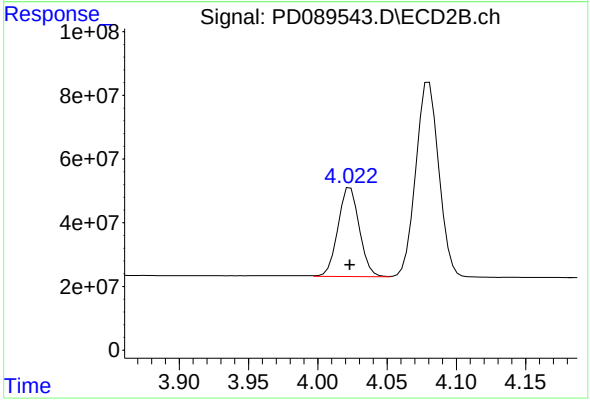
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 689023712
Conc: 25.84 ng/ml



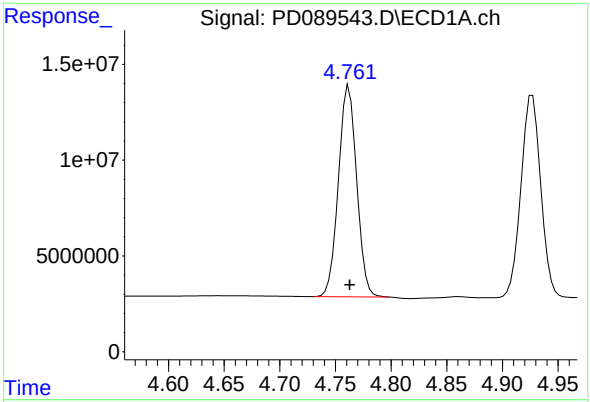
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 53486113
Conc: 25.42 ng/ml



#6 beta-BHC

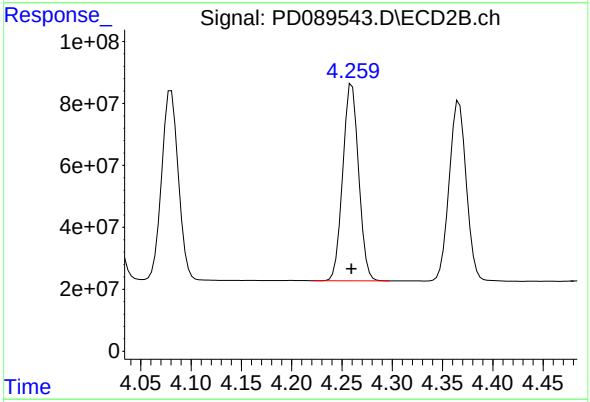
R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 300893975
Conc: 26.09 ng/ml



#7 delta-BHC

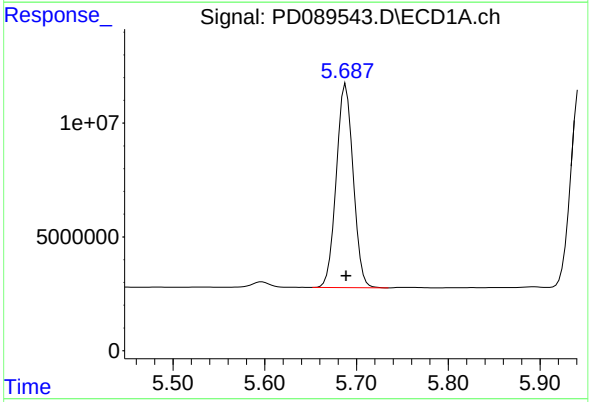
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 125710820
Conc: 23.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



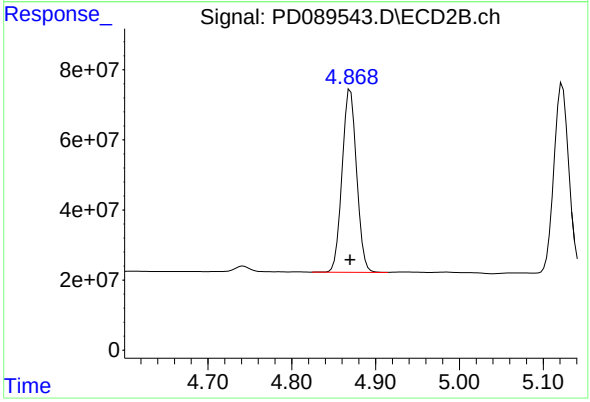
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 696877407
Conc: 25.57 ng/ml



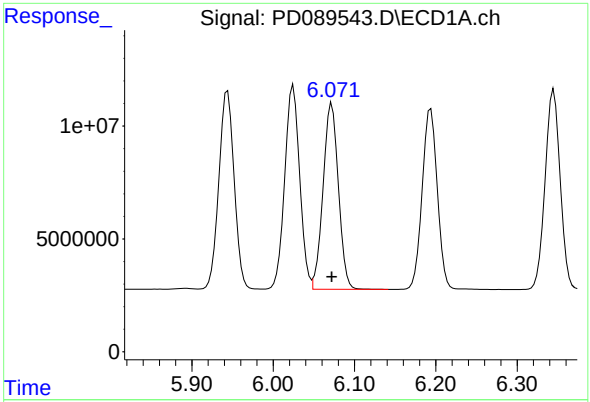
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 114451171
Conc: 24.75 ng/ml



#8 Heptachlor epoxide

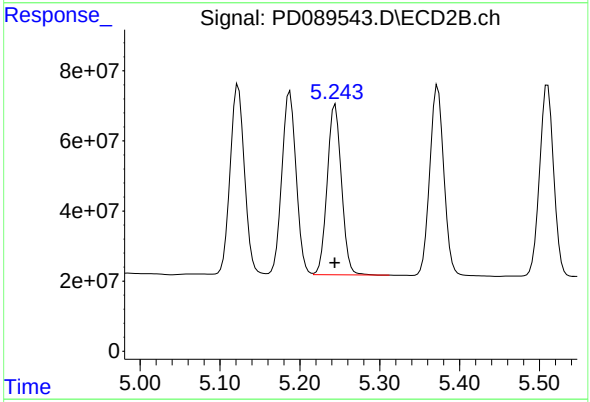
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 628673691
Conc: 26.18 ng/ml



#9 Endosulfan I

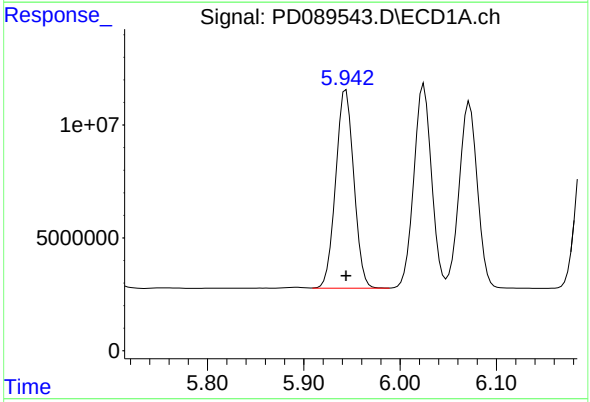
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 108541143
Conc: 24.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



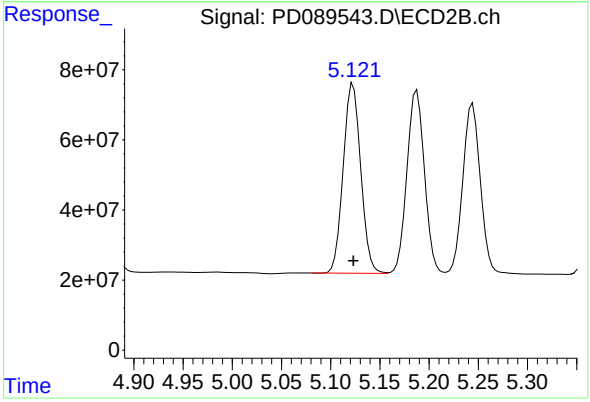
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 602728463
Conc: 26.33 ng/ml



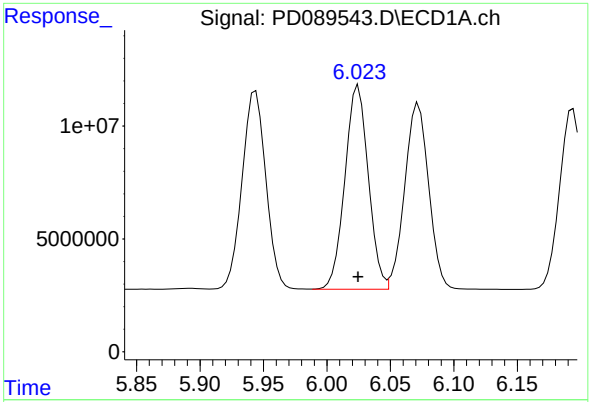
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 114772404
Conc: 24.63 ng/ml



#10 gamma-Chlordane

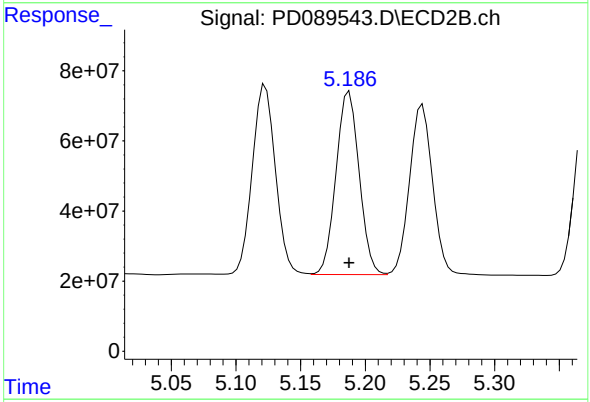
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 671381587
Conc: 26.01 ng/ml



#11 alpha-Chlordane

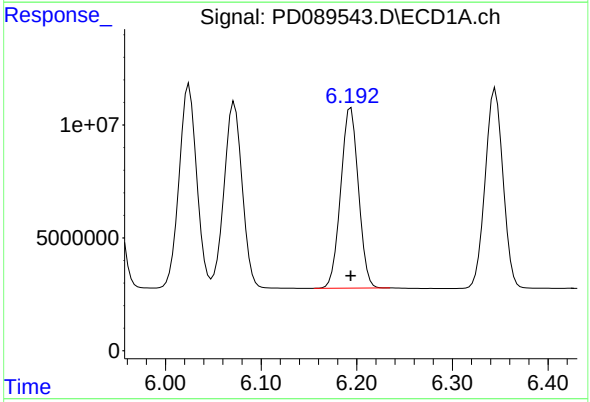
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 115896292
Conc: 24.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



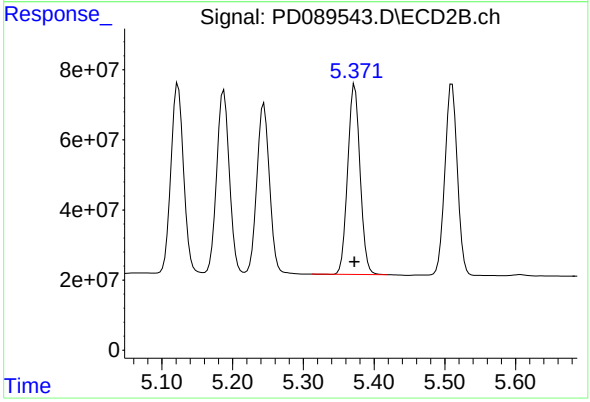
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.000 min
Response: 649504897
Conc: 26.13 ng/ml



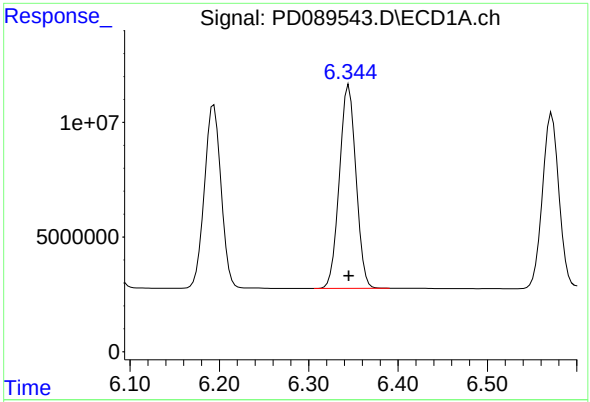
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 103311184
Conc: 24.35 ng/ml



#12 4,4'-DDE

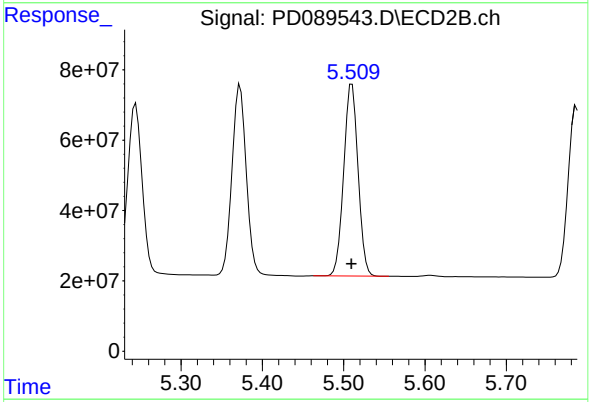
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 661968986
Conc: 26.14 ng/ml



#13 Dieldrin

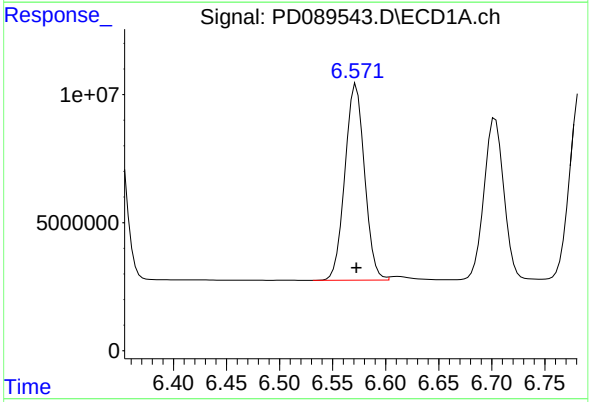
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 114372953
Conc: 24.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



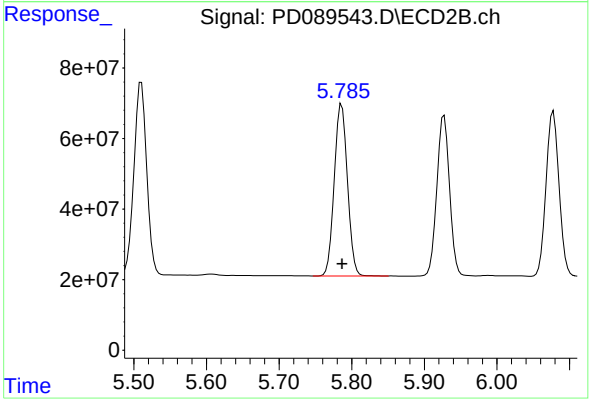
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 666716492
Conc: 26.10 ng/ml



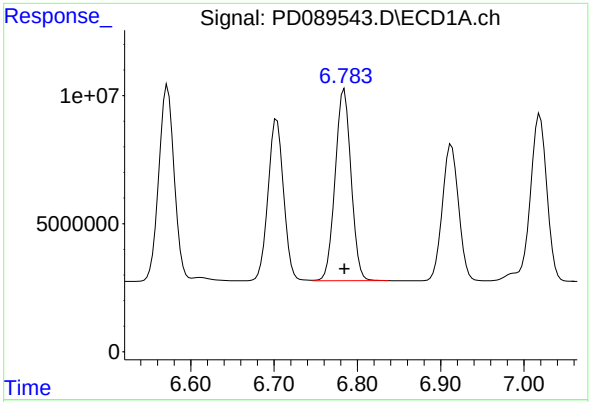
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 98383432
Conc: 24.54 ng/ml



#14 Endrin

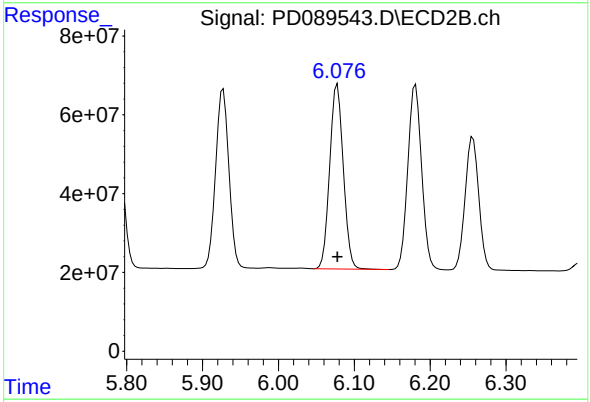
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 613552417
Conc: 26.37 ng/ml



#15 Endosulfan II

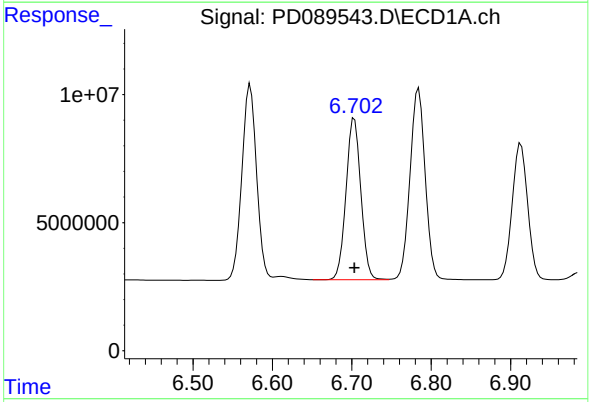
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 99251875
Conc: 25.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



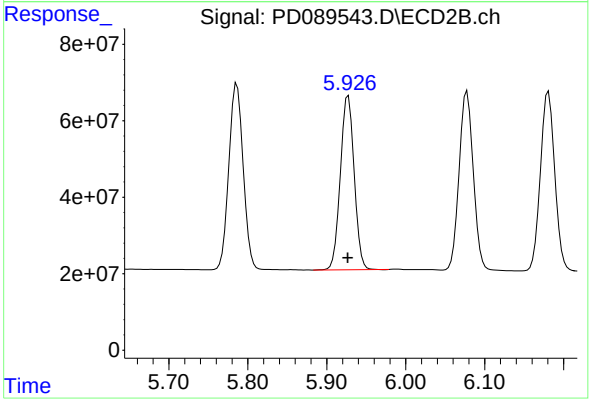
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 584611321
Conc: 26.49 ng/ml



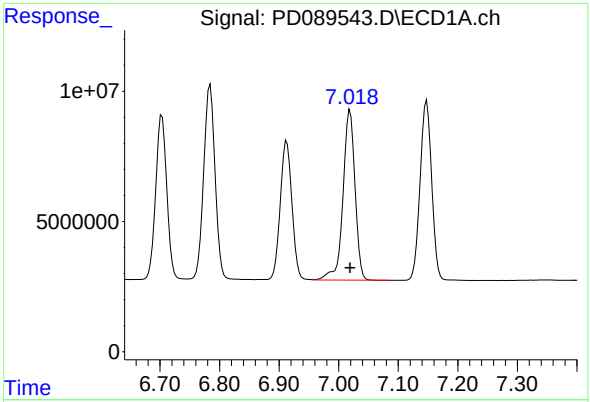
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 81853481
Conc: 24.52 ng/ml



#16 4,4'-DDD

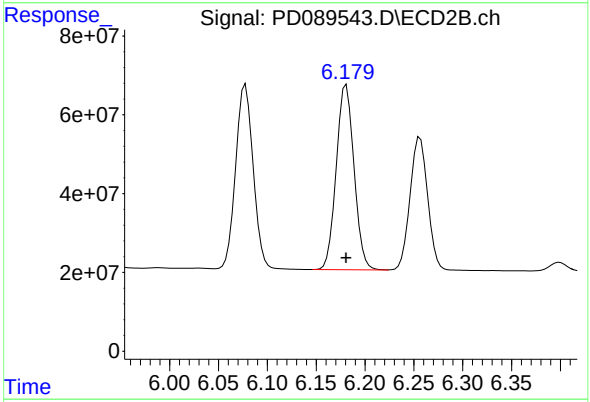
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 554493386
Conc: 26.29 ng/ml



#17 4,4'-DDT

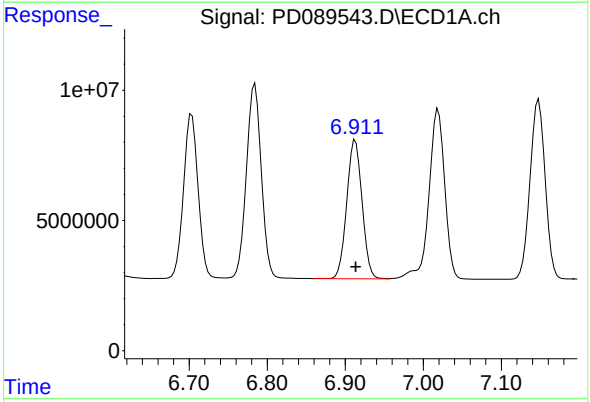
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 91580250
Conc: 24.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



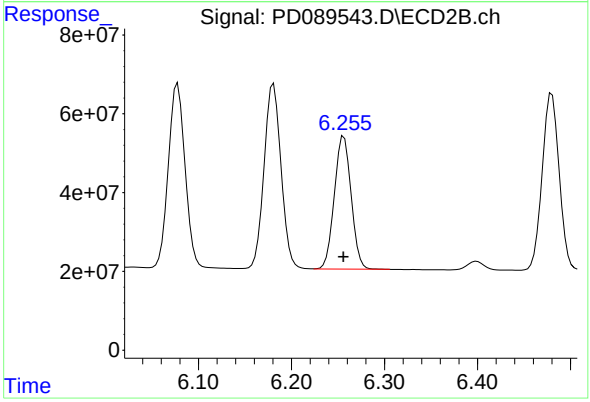
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 594988754
Conc: 26.02 ng/ml



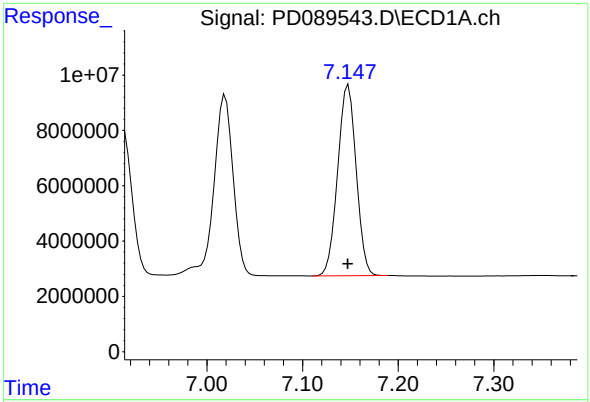
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 72479554
Conc: 25.80 ng/ml



#18 Endrin aldehyde

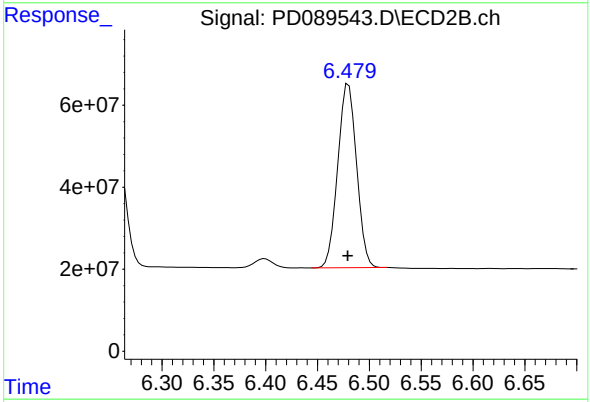
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 423423269
Conc: 26.83 ng/ml



#19 Endosulfan Sulfate

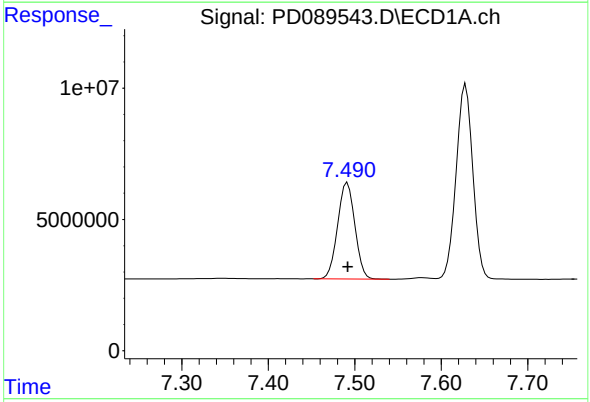
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 92984156
Conc: 25.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



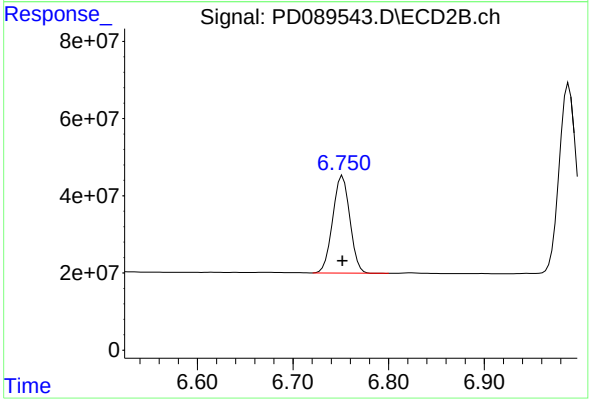
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 567168949
Conc: 26.70 ng/ml



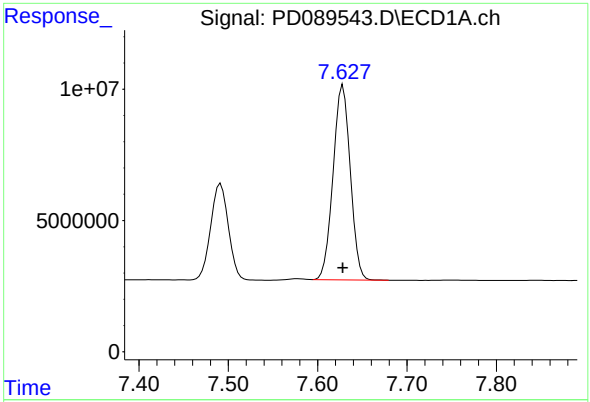
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 50616003
Conc: 25.97 ng/ml



#20 Methoxychlor

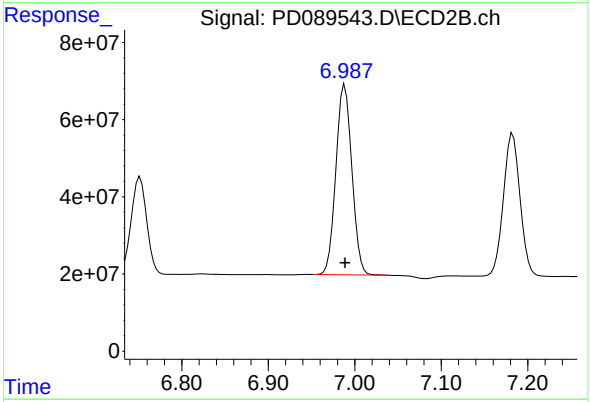
R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 314603279
Conc: 26.81 ng/ml



#21 Endrin ketone

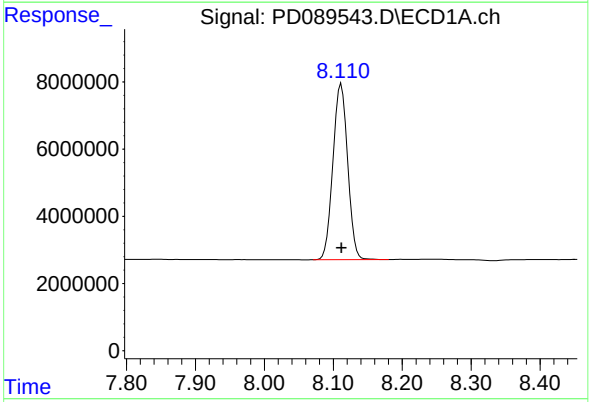
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 99228164
Conc: 25.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



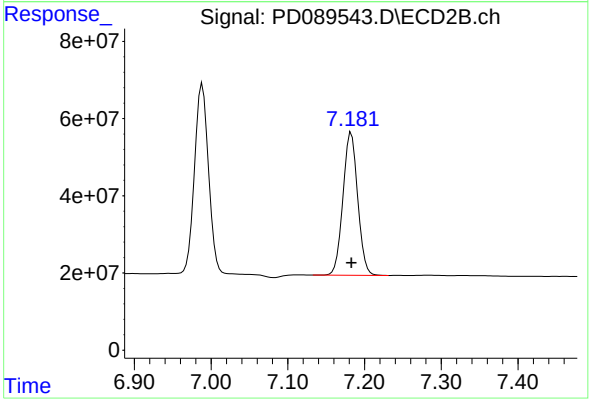
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 628062260
Conc: 26.81 ng/ml



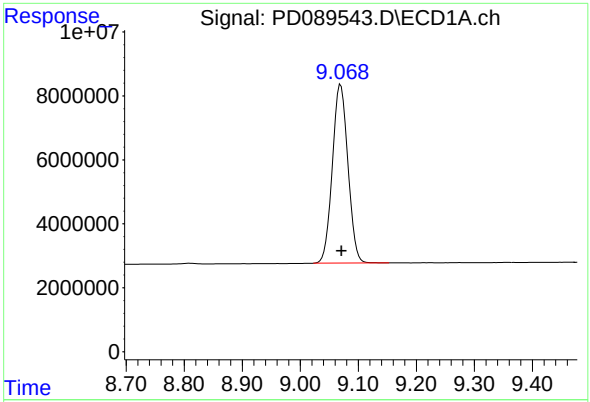
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 77743035
Conc: 26.57 ng/ml



#22 Mirex

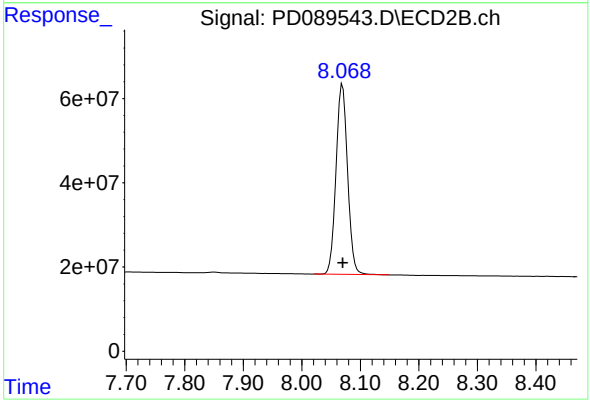
R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 496117043
Conc: 27.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 104316288
Conc: 26.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 619151808
Conc: 26.53 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089544.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:44
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: Jul 22 03:53:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.879	15576738	114.7E6	5.489	6.041
28)	SA Decachlor...	9.071	8.069	24686736	149.6E6	6.298	6.409
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	26401682	171.2E6	4.557	5.839 #
3)	MA gamma-BHC...	4.328	3.727	27387909	158.3E6	4.966	5.844
4)	MA Heptachlor	4.927	4.080	27732521	162.5E6	5.128	5.976
5)	MB Aldrin	5.269	4.366	26401339	157.3E6	5.075	5.902
6)	B beta-BHC	4.514	4.023	12011392	69903317	5.709	6.061
7)	B delta-BHC	4.762	4.259	25049162	158.4E6	4.697	5.813
8)	B Heptachlo...	5.689	4.870	25511397	147.4E6	5.517	6.140
9)	A Endosulfan I	6.073	5.244	23911772	141.3E6	5.494	6.170
10)	B gamma-Chl...	5.944	5.123	24569237	156.3E6	5.272	6.055
11)	B alpha-Chl...	6.025	5.187	25436019	151.4E6	5.462	6.092
12)	B 4,4'-DDE	6.194	5.373	21620216	153.5E6	5.097	6.063
13)	MA Dieldrin	6.345	5.510	24125303	155.7E6	5.163	6.095
14)	MA Endrin	6.573	5.787	21135120	143.8E6	5.272	6.179
15)	B Endosulfa...	6.784	6.078	22721865	136.4E6	5.766	6.180
16)	A 4,4'-DDD	6.703	5.927	17392137	128.0E6	5.211	6.070
17)	MA 4,4'-DDT	7.020	6.181	19151396	129.9E6	5.131	5.683
18)	B Endrin al...	6.914	6.256	16549138	100.9E6	5.891	6.391
19)	B Endosulfa...	7.148	6.480	20767401	131.4E6	5.662	6.186
20)	A Methoxychlor	7.492	6.752	11251140	73009900	5.773	6.222
21)	B Endrin ke...	7.628	6.989	21671222	146.2E6	5.504	6.240
22)	Mirex	8.112	7.183	18534934	117.7E6	6.335	6.415

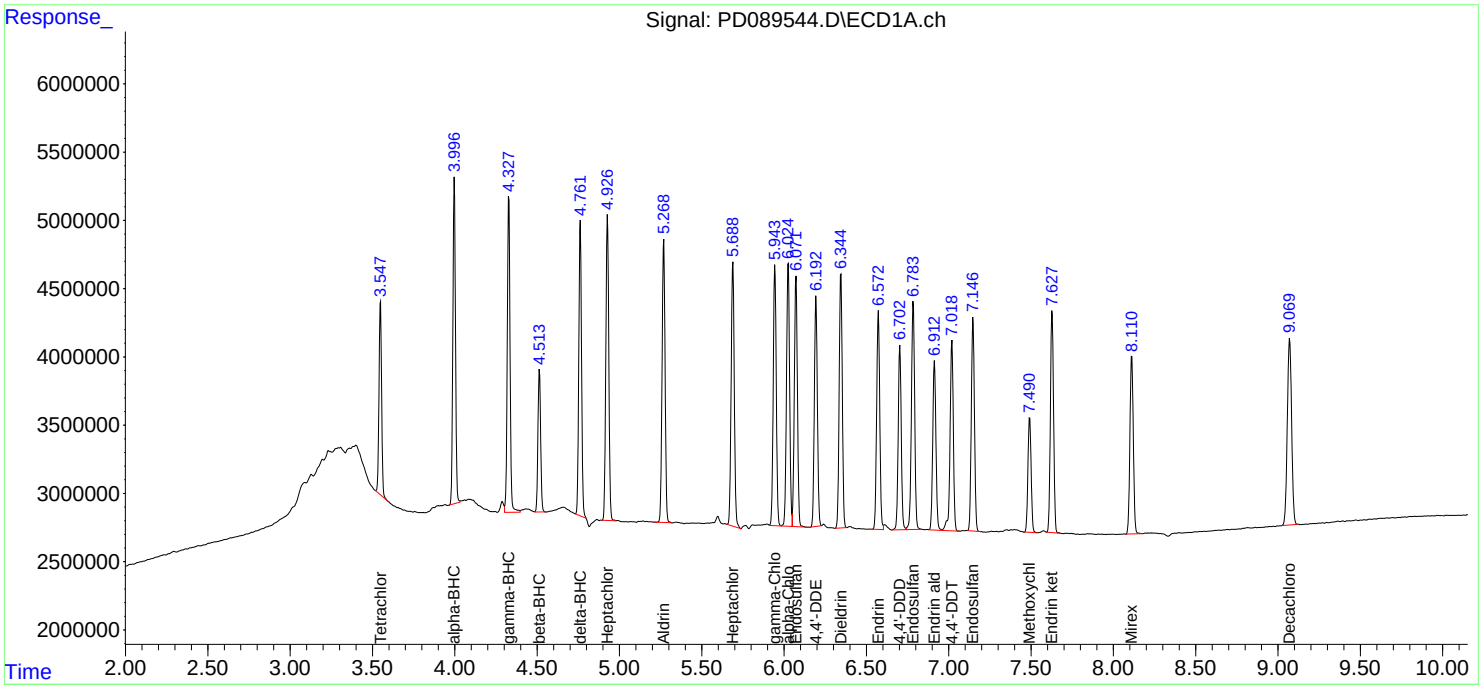
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

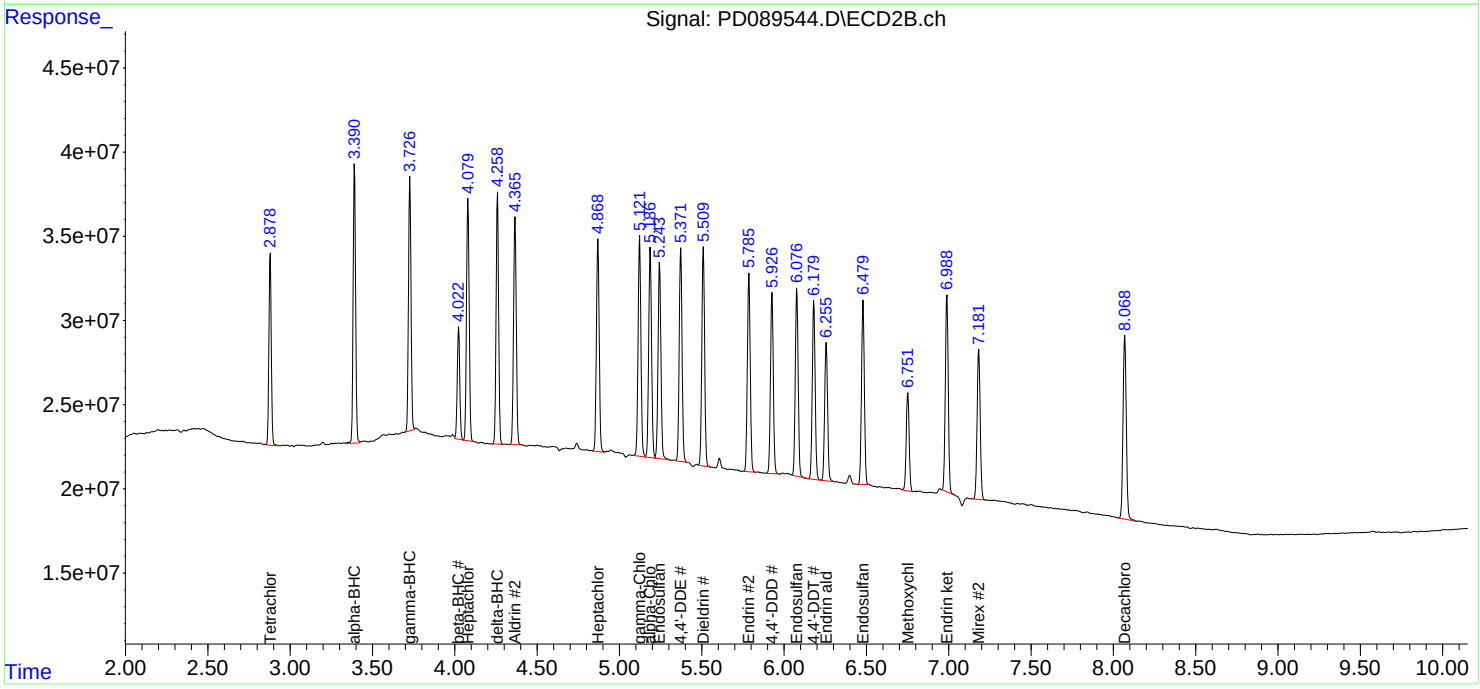
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089544.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:44
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

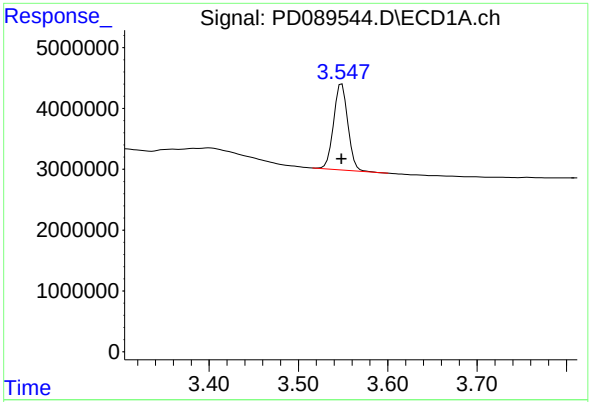
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:53:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



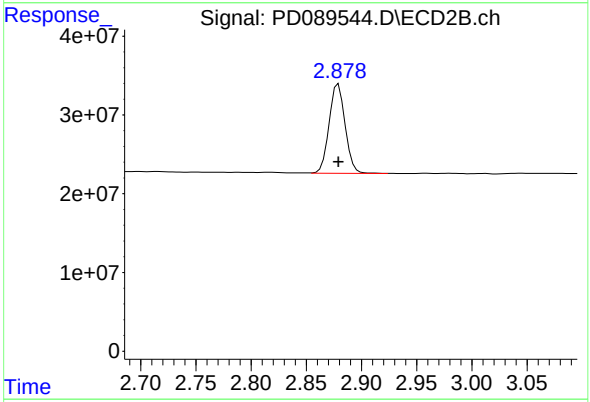




#1 Tetrachloro-m-xylene

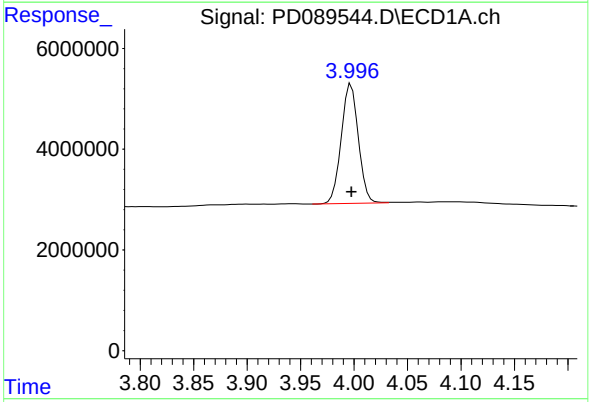
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 15576738
Conc: 5.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



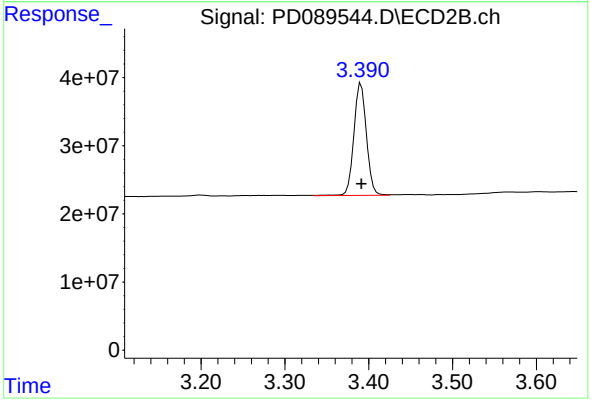
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 114706830
Conc: 6.04 ng/ml



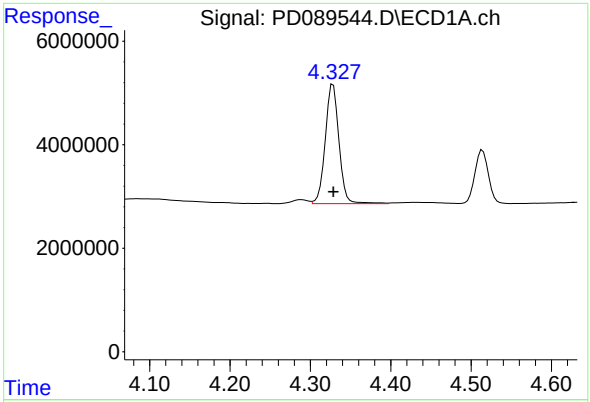
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 26401682
Conc: 4.56 ng/ml



#2 alpha-BHC

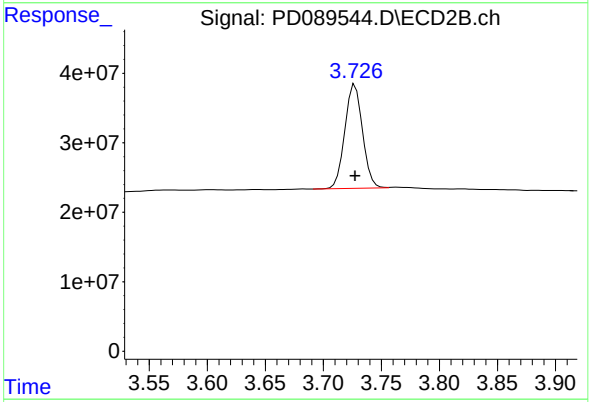
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 171245298
Conc: 5.84 ng/ml



#3 gamma-BHC (Lindane)

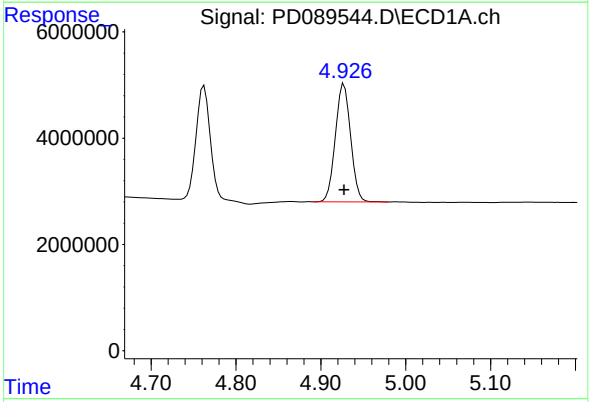
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 27387909
Conc: 4.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



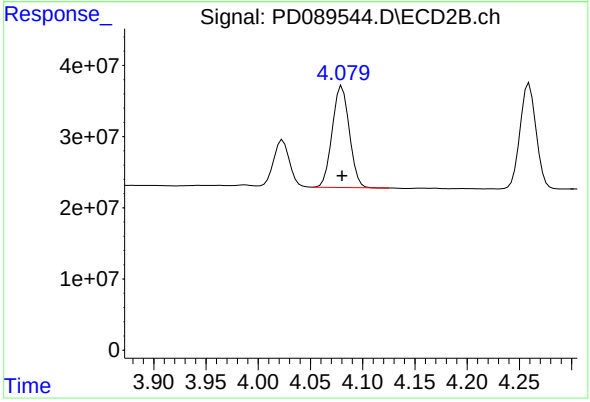
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 158307448
Conc: 5.84 ng/ml



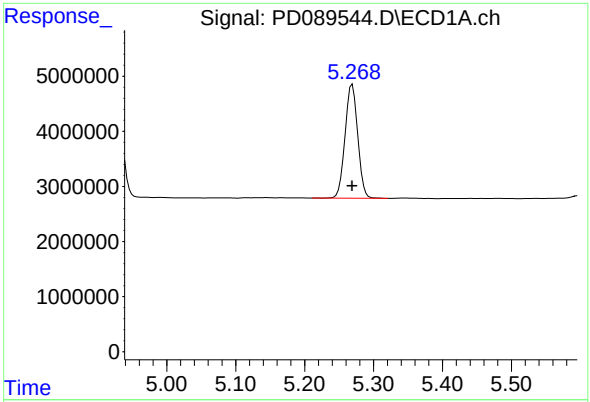
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 27732521
Conc: 5.13 ng/ml



#4 Heptachlor

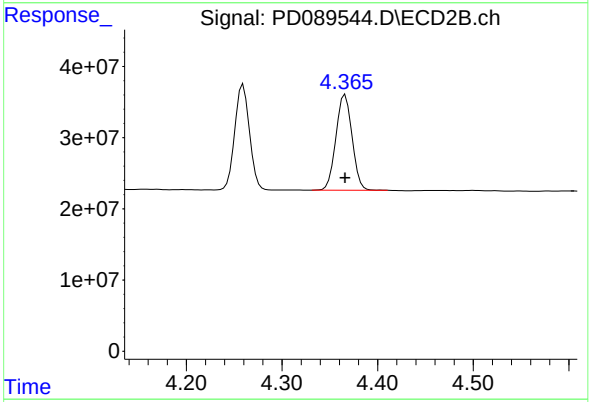
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 162509751
Conc: 5.98 ng/ml



#5 Aldrin

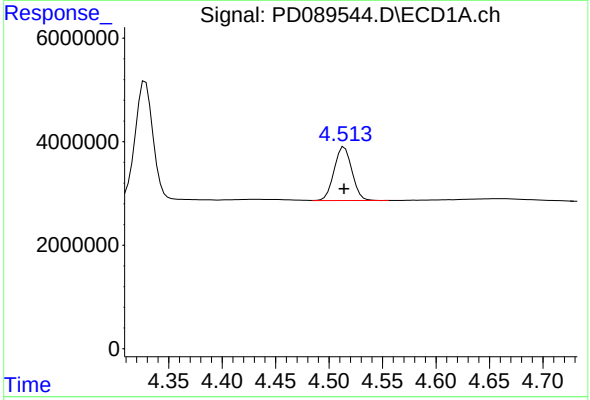
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 26401339
Conc: 5.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



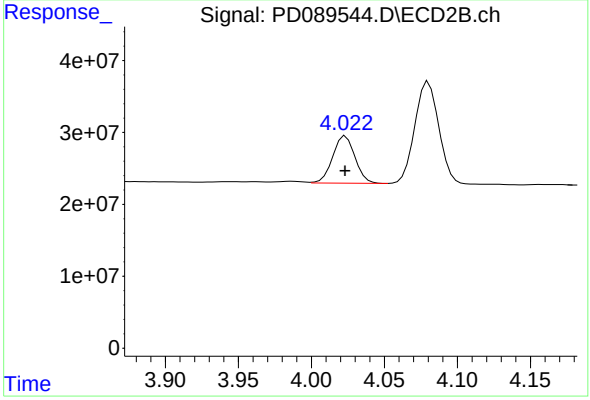
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 157341789
Conc: 5.90 ng/ml



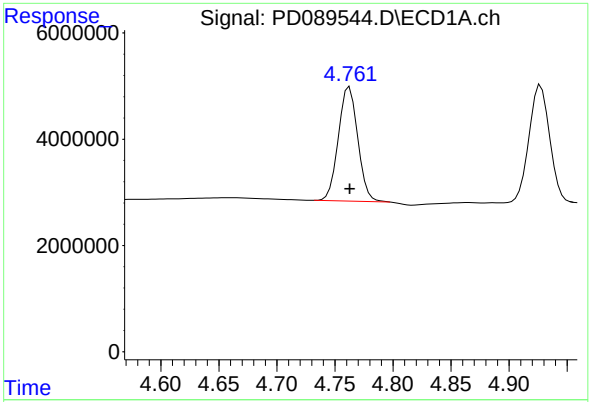
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 12011392
Conc: 5.71 ng/ml



#6 beta-BHC

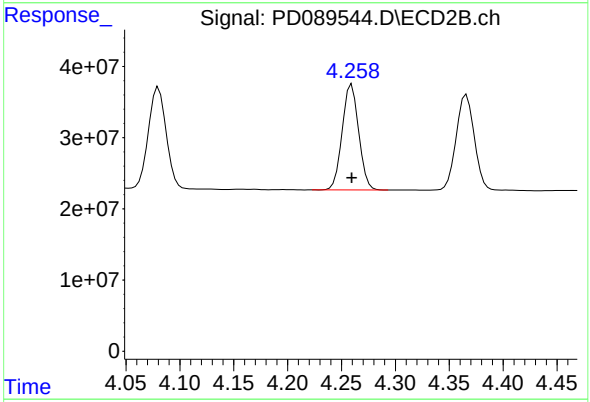
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 69903317
Conc: 6.06 ng/ml



#7 delta-BHC

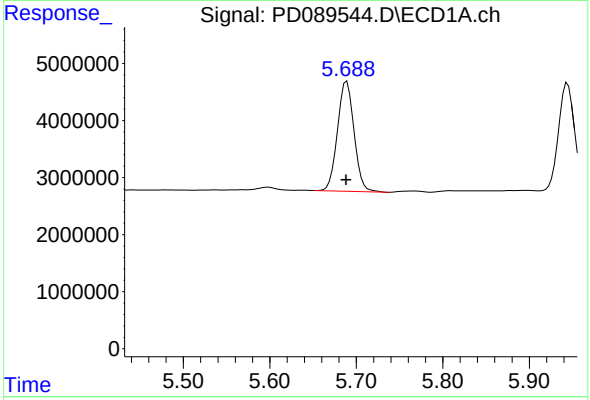
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 25049162
Conc: 4.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



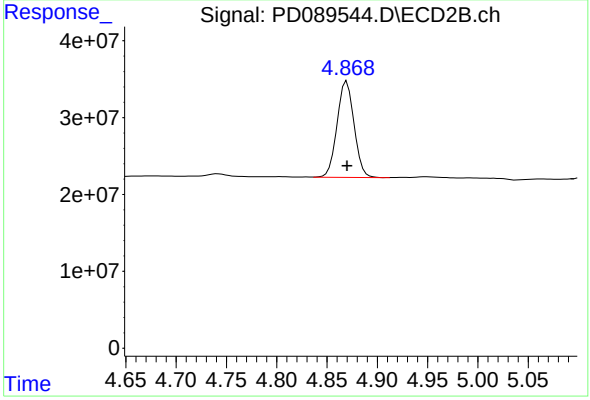
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 158442389
Conc: 5.81 ng/ml



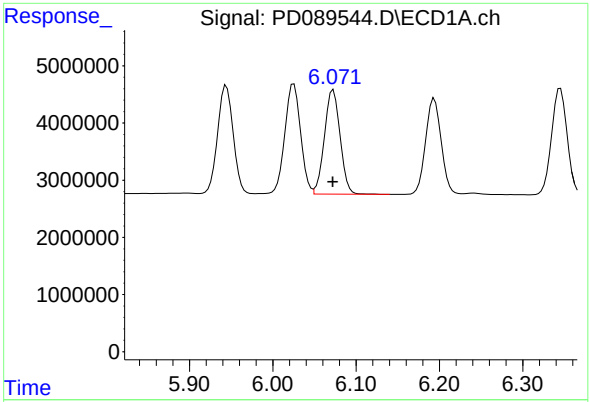
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 25511397
Conc: 5.52 ng/ml



#8 Heptachlor epoxide

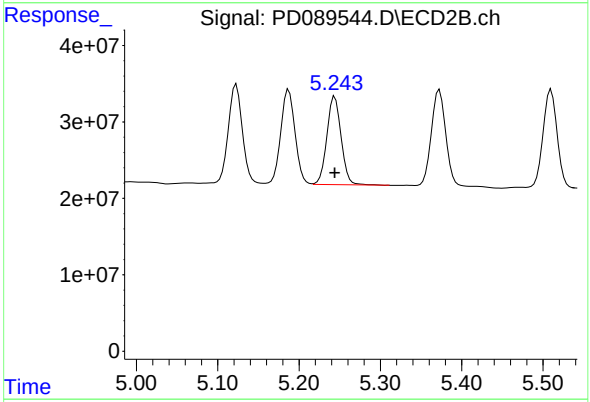
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 147447405
Conc: 6.14 ng/ml



#9 Endosulfan I

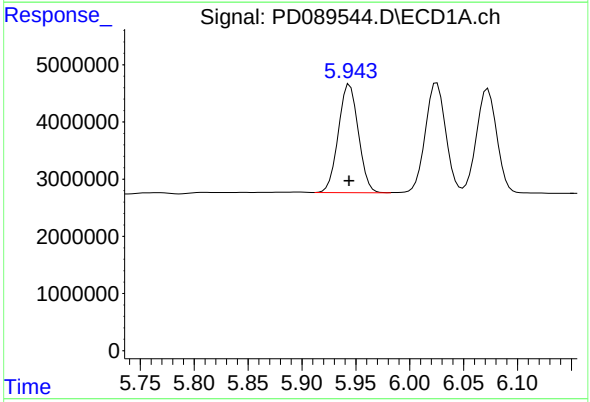
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 23911772
Conc: 5.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



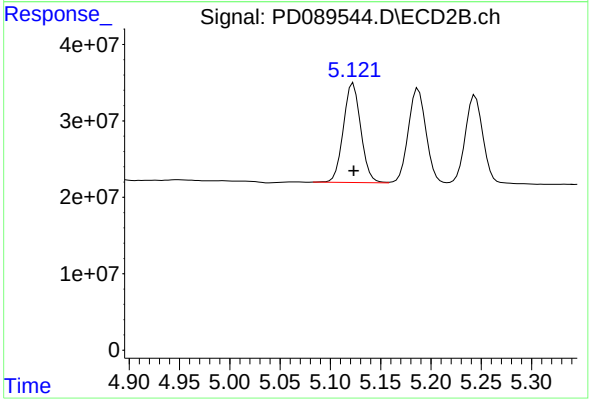
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 141252257
Conc: 6.17 ng/ml



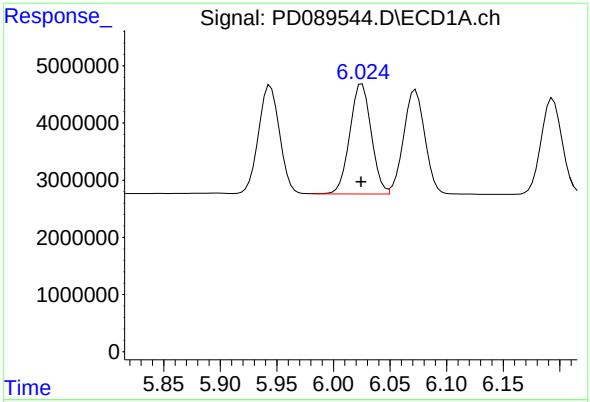
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 24569237
Conc: 5.27 ng/ml



#10 gamma-Chlordane

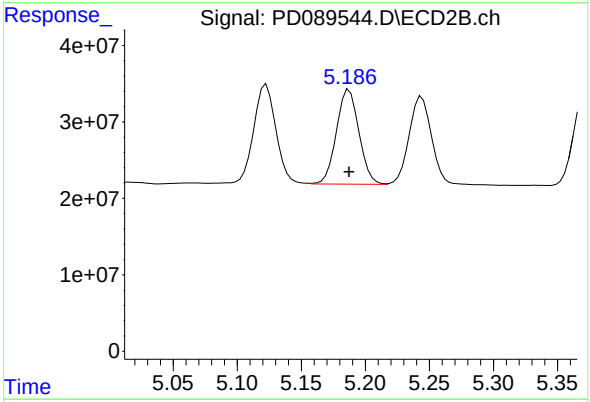
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 156274446
Conc: 6.05 ng/ml



#11 alpha-Chlordane

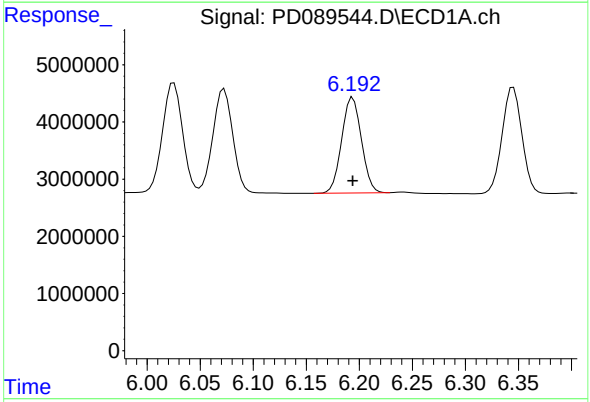
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 25436019
Conc: 5.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



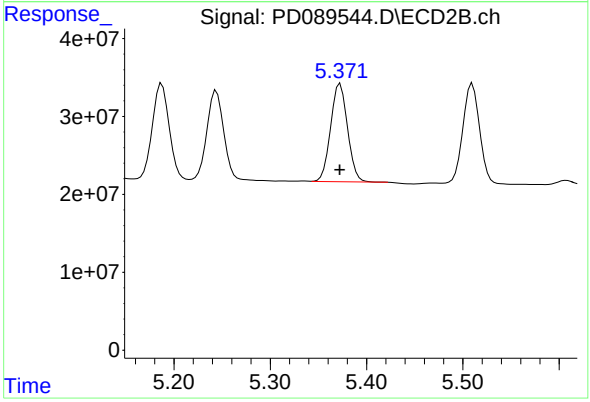
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 151410101
Conc: 6.09 ng/ml



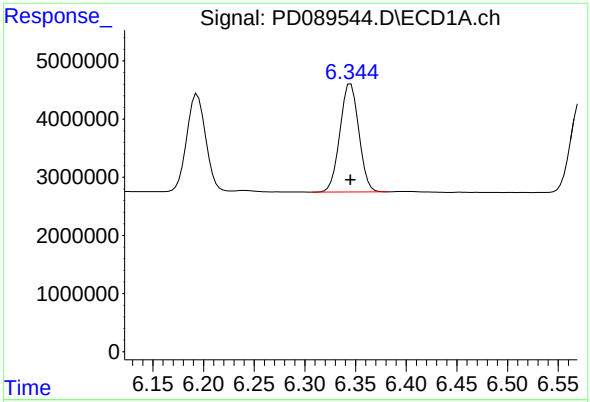
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 21620216
Conc: 5.10 ng/ml



#12 4,4'-DDE

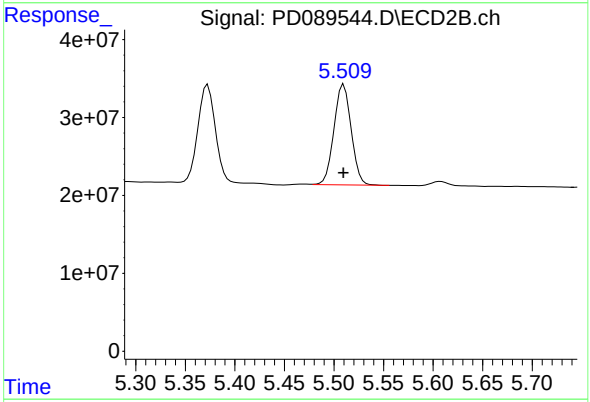
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 153526785
Conc: 6.06 ng/ml



#13 Dieldrin

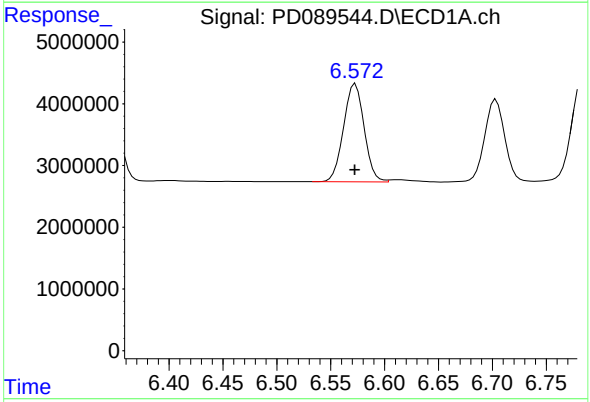
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 24125303
Conc: 5.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



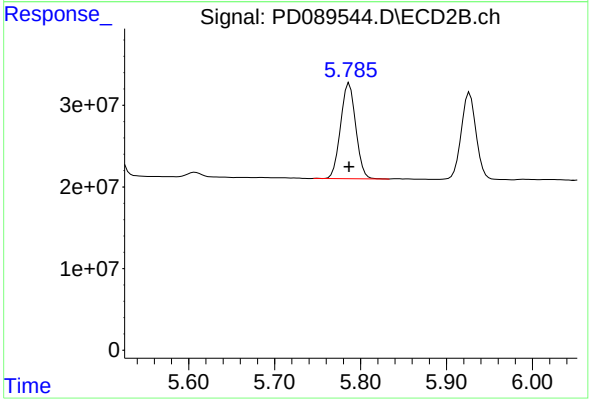
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 155716815
Conc: 6.10 ng/ml



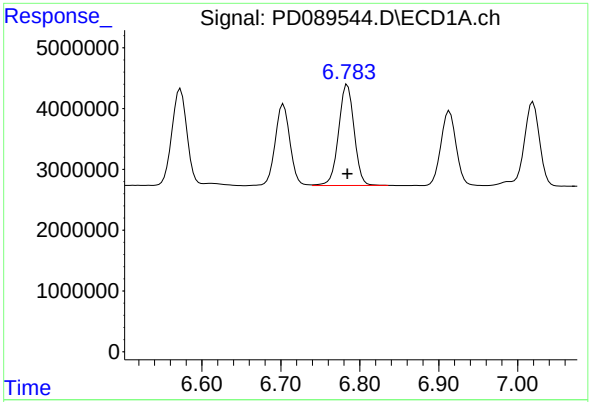
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 21135120
Conc: 5.27 ng/ml



#14 Endrin

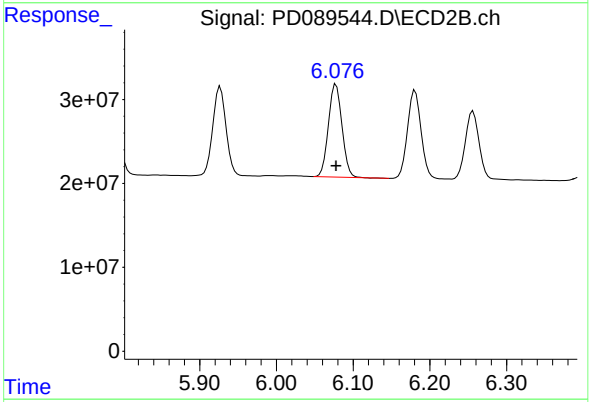
R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 143779493
Conc: 6.18 ng/ml



#15 Endosulfan II

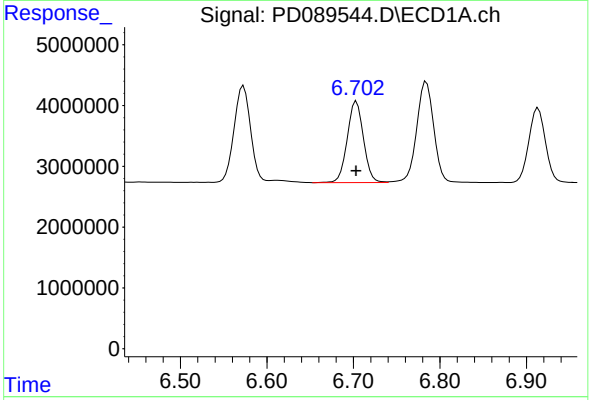
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 22721865
Conc: 5.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



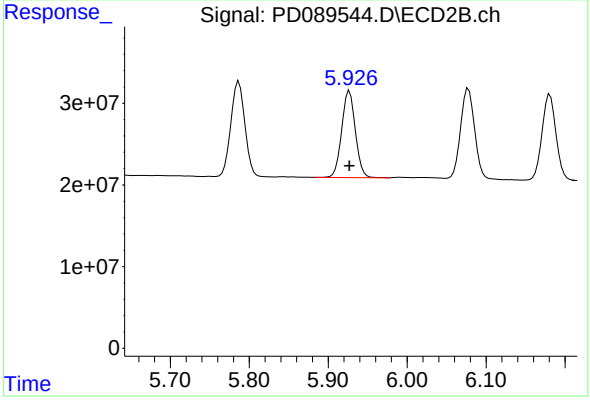
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 136389761
Conc: 6.18 ng/ml



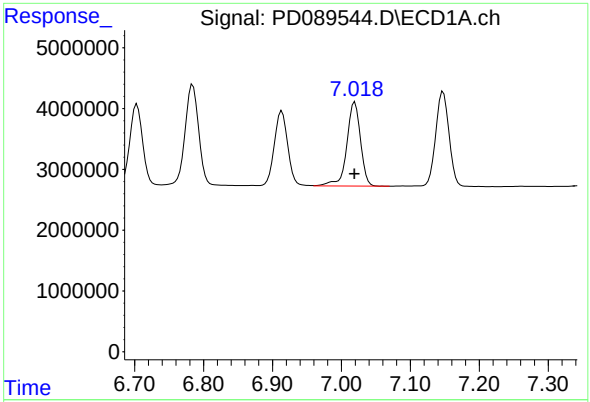
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 17392137
Conc: 5.21 ng/ml



#16 4,4'-DDD

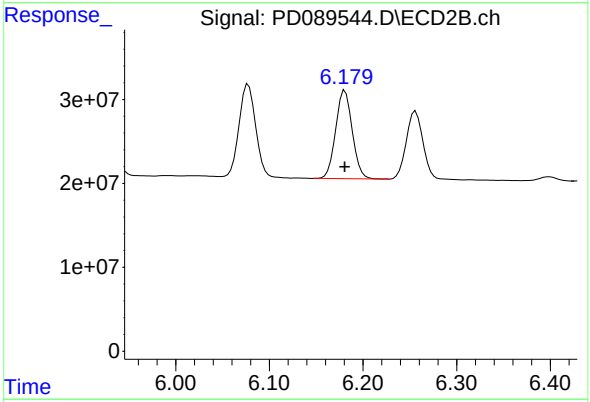
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 128024662
Conc: 6.07 ng/ml



#17 4,4'-DDT

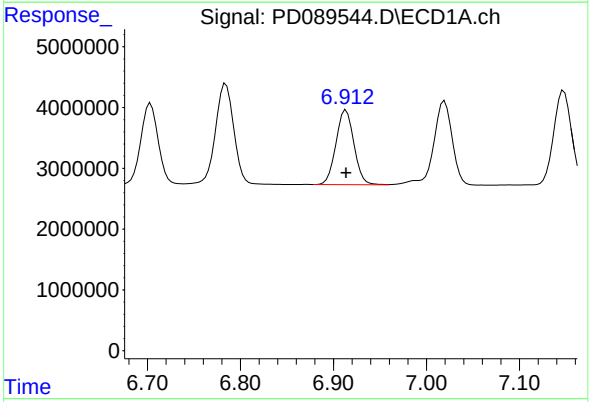
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 19151396
Conc: 5.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



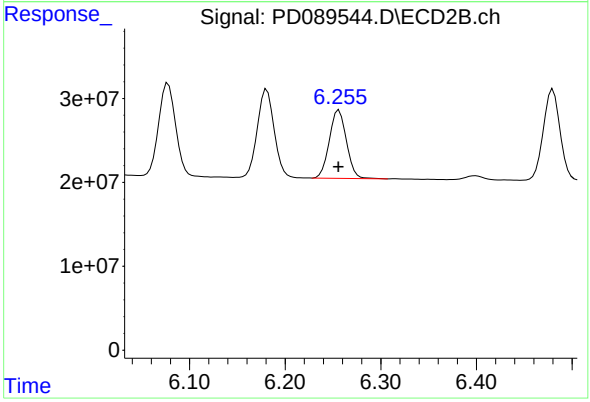
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 129937806
Conc: 5.68 ng/ml



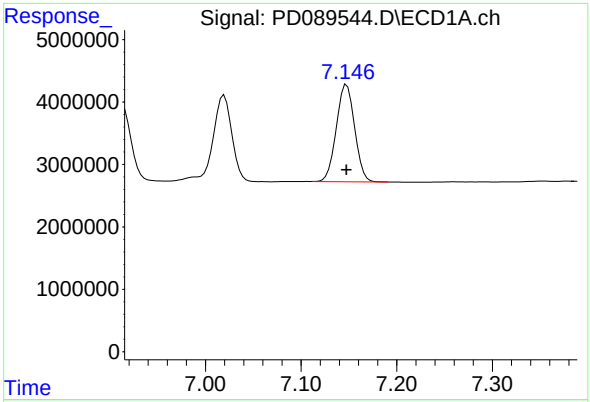
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 16549138
Conc: 5.89 ng/ml



#18 Endrin aldehyde

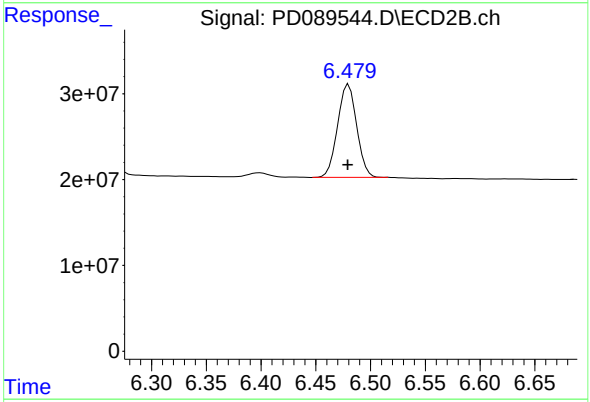
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 100852985
Conc: 6.39 ng/ml



#19 Endosulfan Sulfate

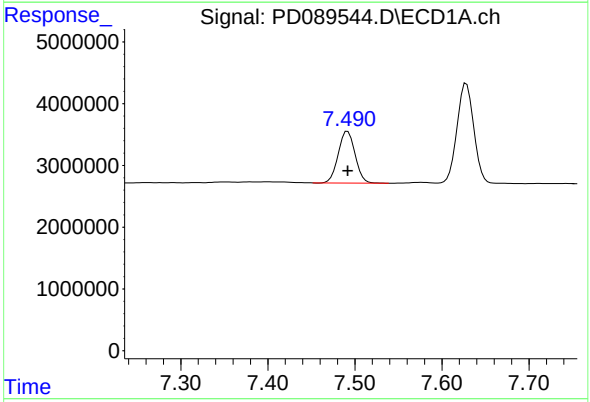
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 20767401
Conc: 5.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



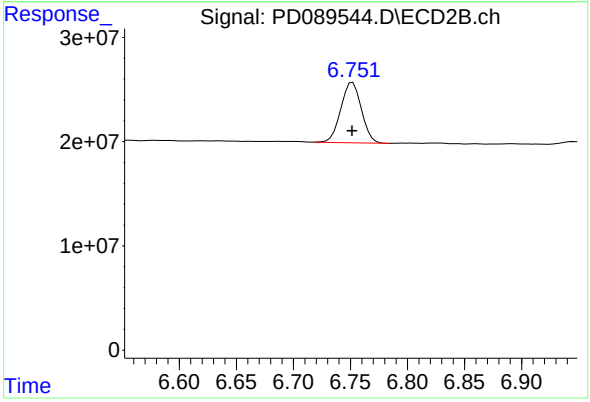
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 131428571
Conc: 6.19 ng/ml



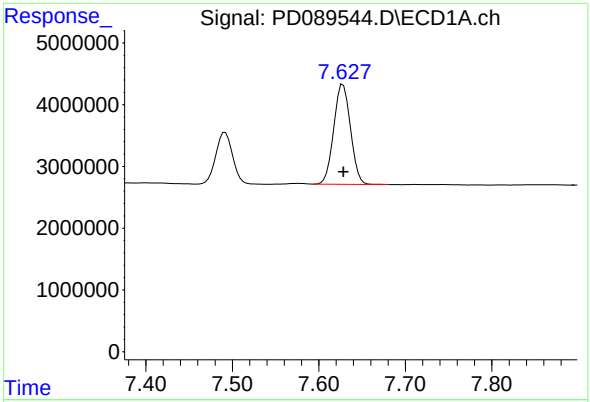
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 11251140
Conc: 5.77 ng/ml



#20 Methoxychlor

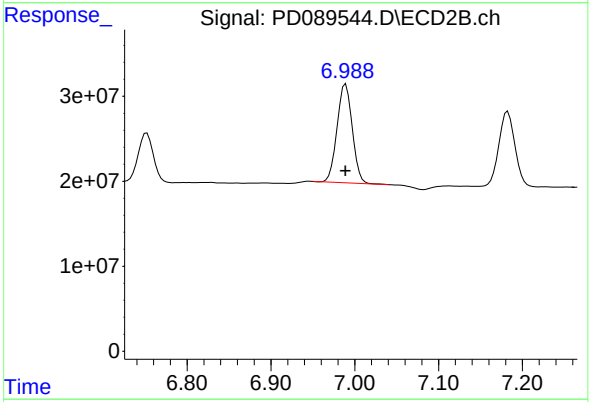
R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 73009900
Conc: 6.22 ng/ml



#21 Endrin ketone

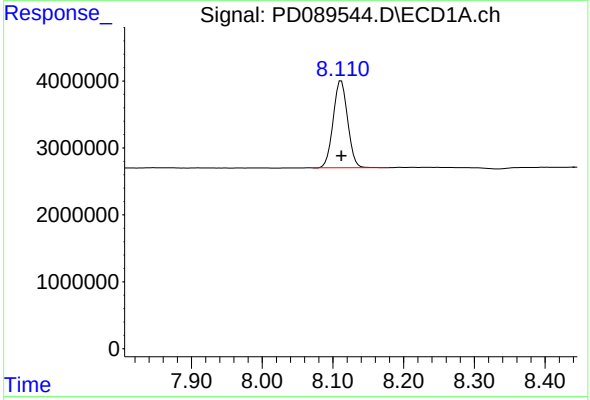
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 21671222
Conc: 5.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



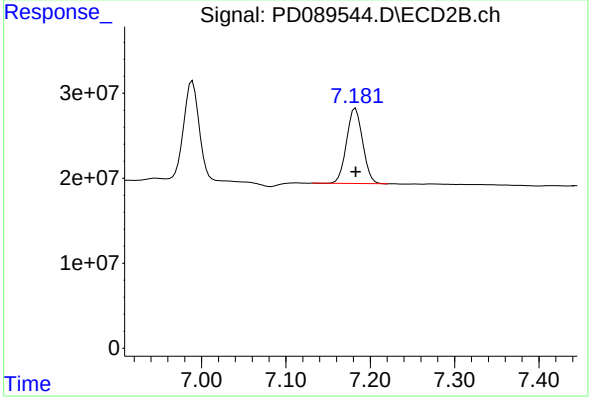
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 146177735
Conc: 6.24 ng/ml



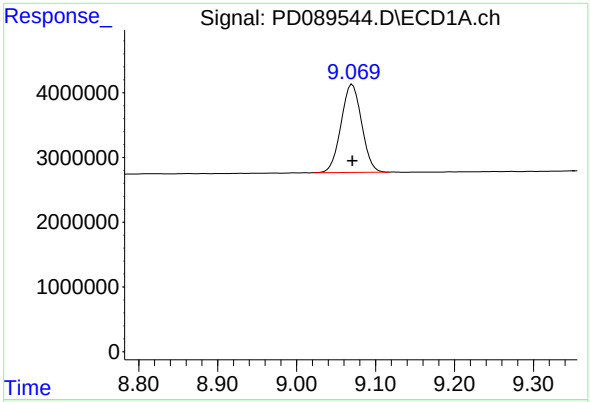
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 18534934
Conc: 6.33 ng/ml



#22 Mirex

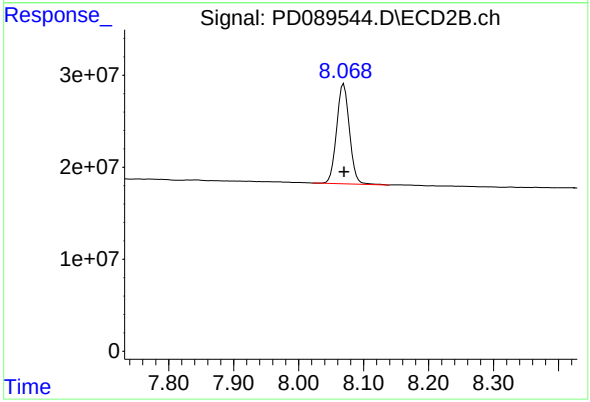
R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 117699408
Conc: 6.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 24686736
Conc: 6.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 149568521
Conc: 6.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:25
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: Jul 22 04:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:15:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	137.0E6	1147.5E6	50.000	50.000
28)	SA Decachlor...	9.071	8.070	191.4E6	1159.2E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.713	3.904	95759549	451.9E6	500.000	500.000
24)	Chlordane-2	5.239	4.485	96700402	471.2E6	500.000	500.000
25)	Chlordane-3	5.944	5.123	384.7E6	1387.3E6	500.000	500.000
26)	Chlordane-4	6.029	5.188	464.4E6	1166.3E6	500.000	500.000
27)	Chlordane-5	6.869	6.088	81273058	568.6E6	500.000	500.000

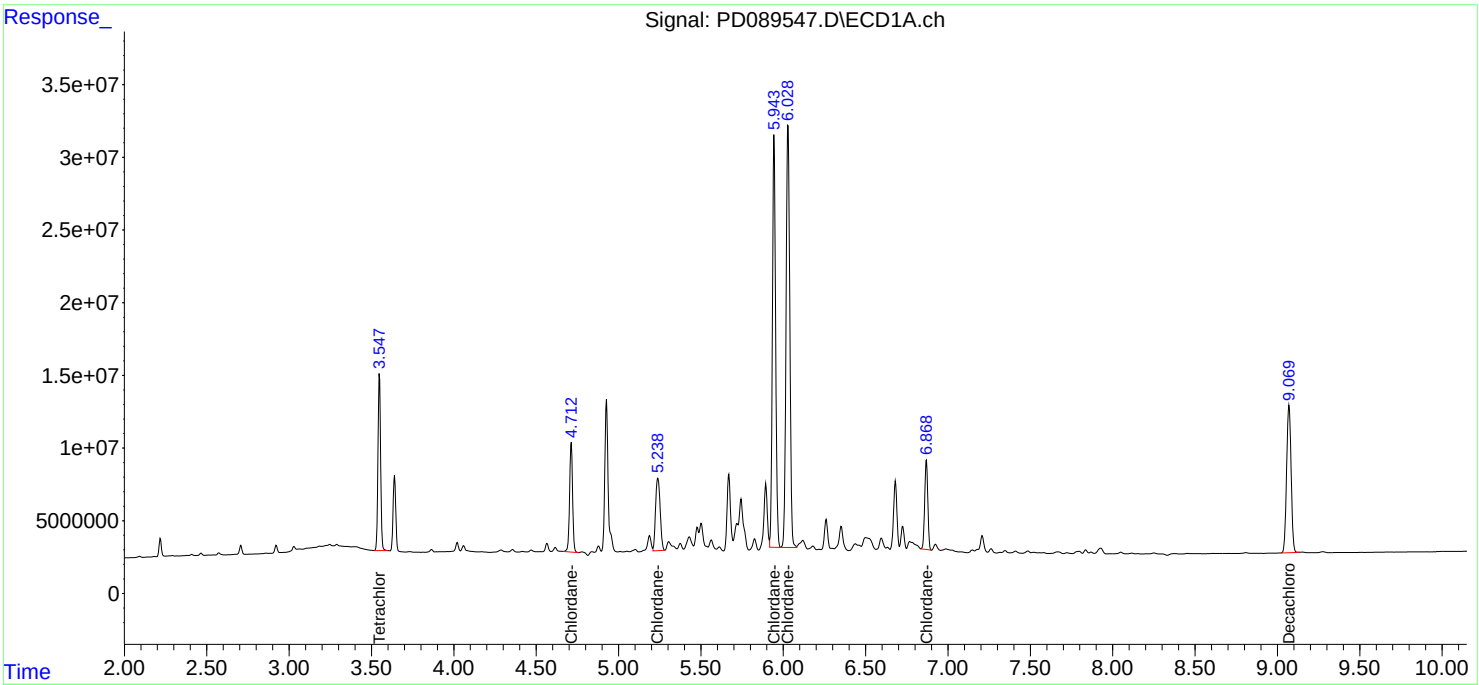
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

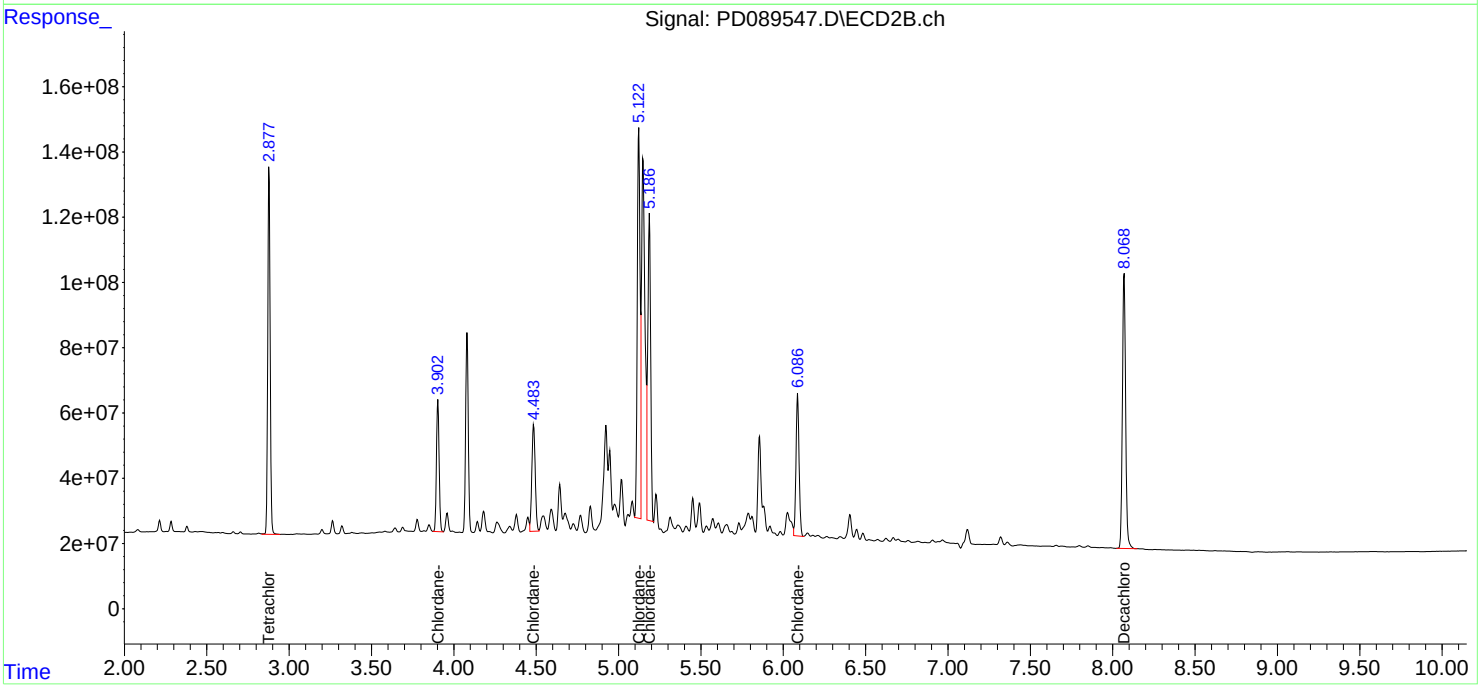
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:25
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

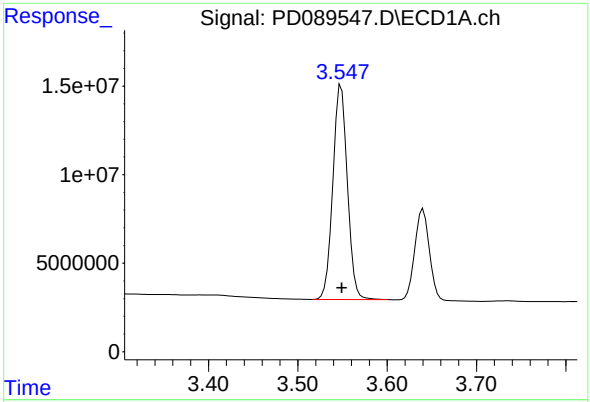
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:15:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



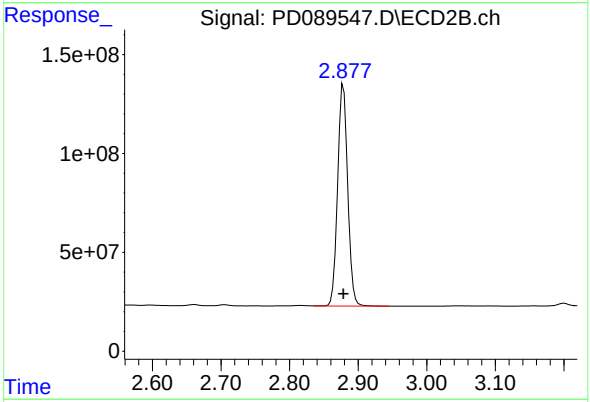




#1 Tetrachloro-m-xylene

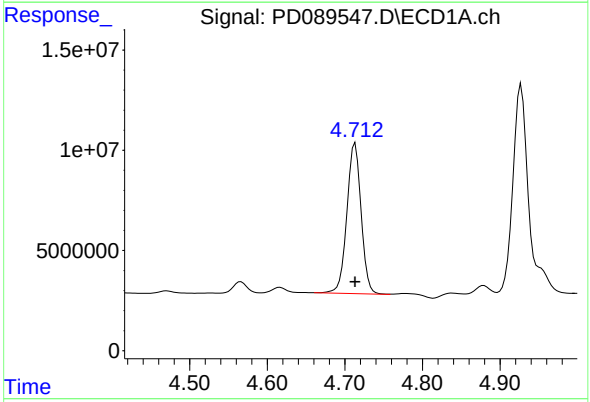
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 136988831
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



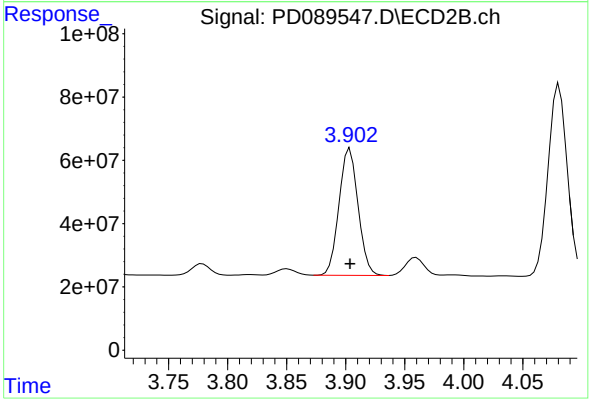
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 1147510938
Conc: 50.00 ng/ml



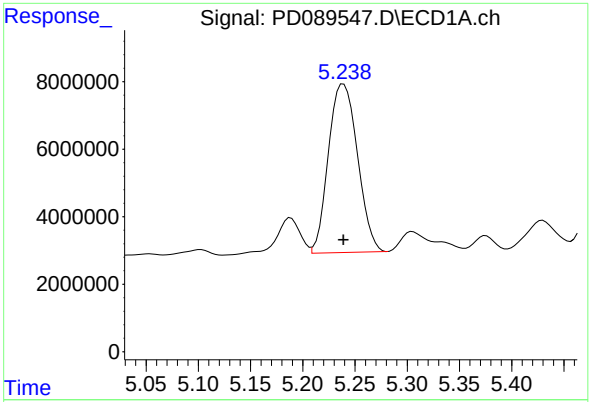
#23 Chlordane-1

R.T.: 4.713 min
Delta R.T.: 0.000 min
Response: 95759549
Conc: 500.00 ng/ml



#23 Chlordane-1

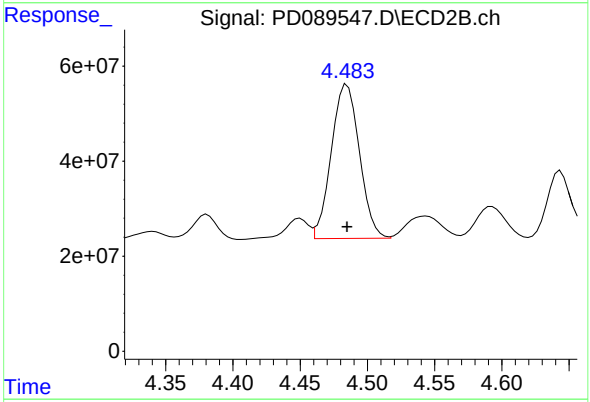
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 451936761
Conc: 500.00 ng/ml



#24 Chlordane-2

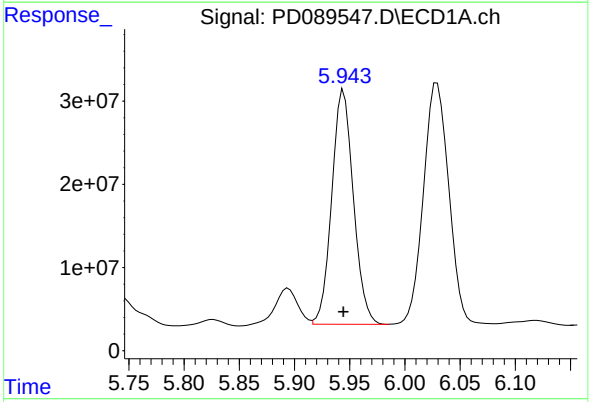
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 96700402
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



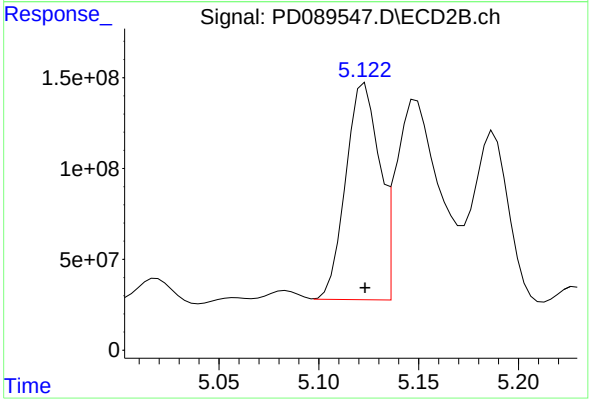
#24 Chlordane-2

R.T.: 4.485 min
Delta R.T.: 0.000 min
Response: 471219127
Conc: 500.00 ng/ml



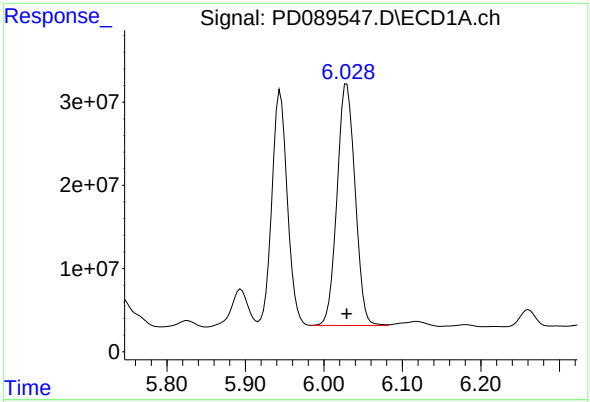
#25 Chlordane-3

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 384734362
Conc: 500.00 ng/ml



#25 Chlordane-3

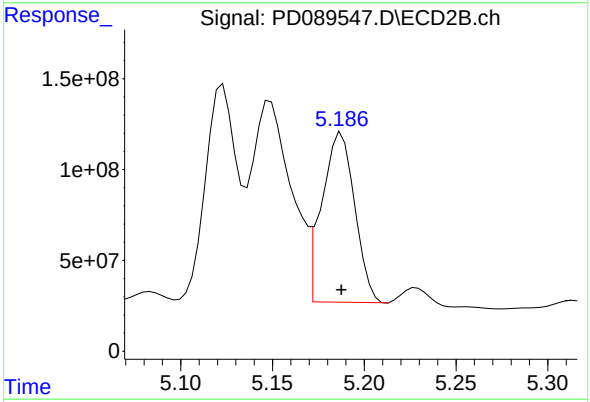
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1387289900
Conc: 500.00 ng/ml



#26 Chlordane-4

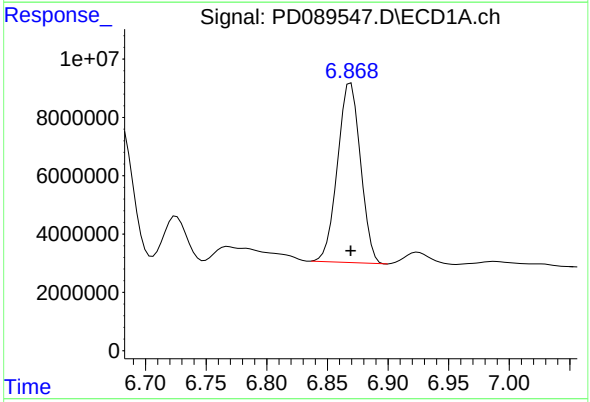
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 464421533
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



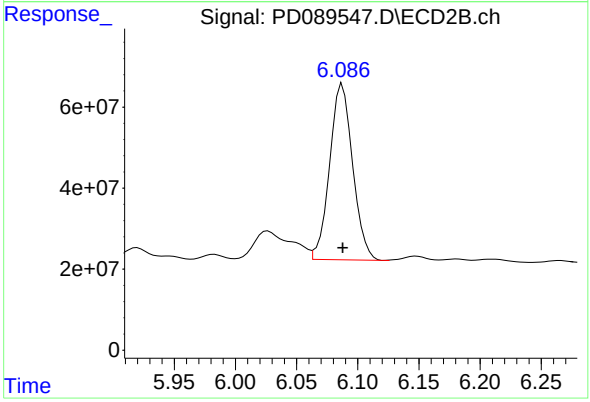
#26 Chlordane-4

R.T.: 5.188 min
Delta R.T.: 0.000 min
Response: 1166286432
Conc: 500.00 ng/ml



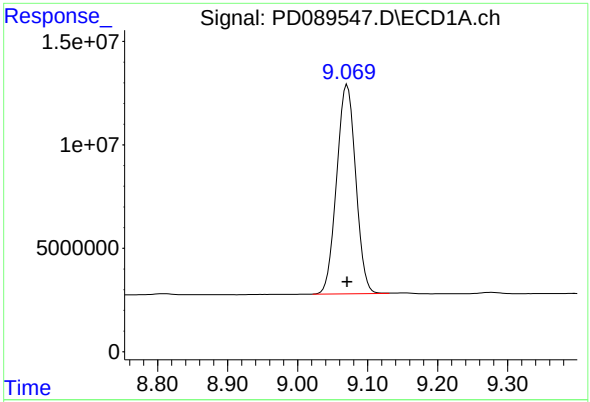
#27 Chlordane-5

R.T.: 6.869 min
Delta R.T.: 0.000 min
Response: 81273058
Conc: 500.00 ng/ml



#27 Chlordane-5

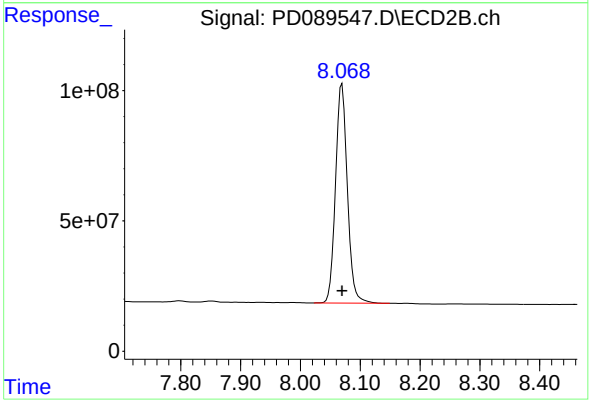
R.T.: 6.088 min
Delta R.T.: 0.000 min
Response: 568647475
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 191372995
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 1159232979
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:32
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: Jul 22 05:11:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 05:10:39 2025
Response via : Initial 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...	3.548	2.879	142.0E6	951.5E6	50.000	50.000
7)	SA Decachlor...	9.070	8.070	197.1E6	1187.5E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.240	5.473	19325202	100.0E6	500.000	500.000
3)	Toxaphene-2	6.440	5.644	26533094	65118541	500.000	500.000
4)	Toxaphene-3	7.148	6.754	50447927	333.6E6	500.000	500.000
5)	Toxaphene-4	7.562	7.196	65995374	228.3E6	500.000	500.000
6)	Toxaphene-5	7.928	7.327	36962427	171.5E6	500.000	500.000

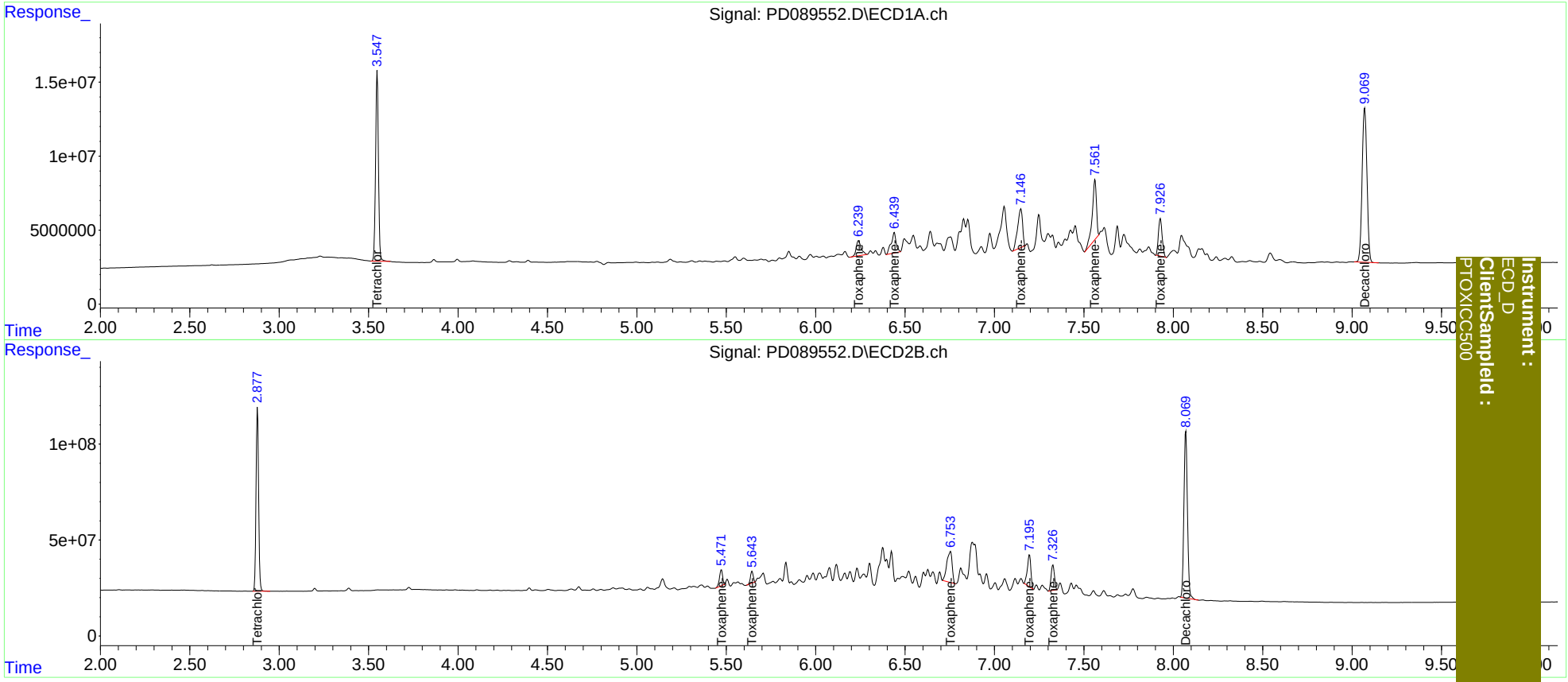
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

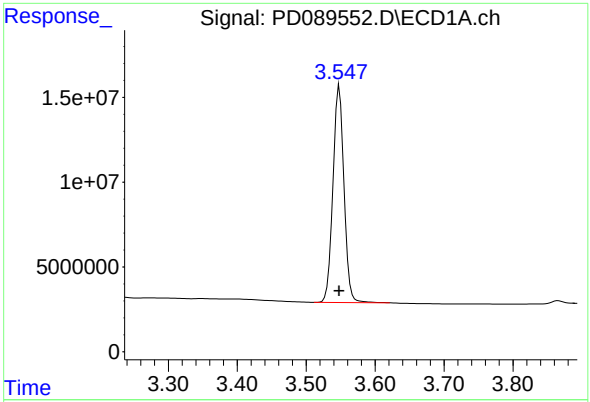
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:32
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 05:11:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 05:10:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

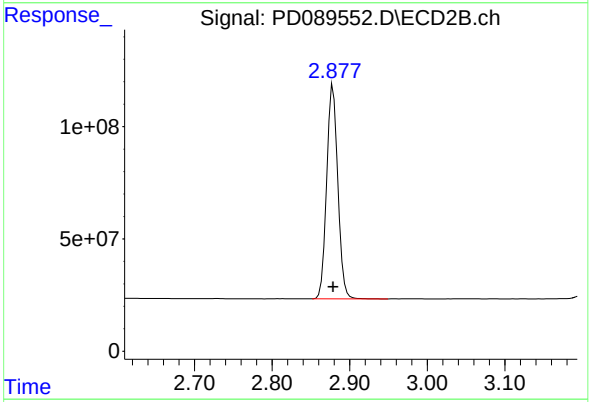




#1 Tetrachloro-m-xylene

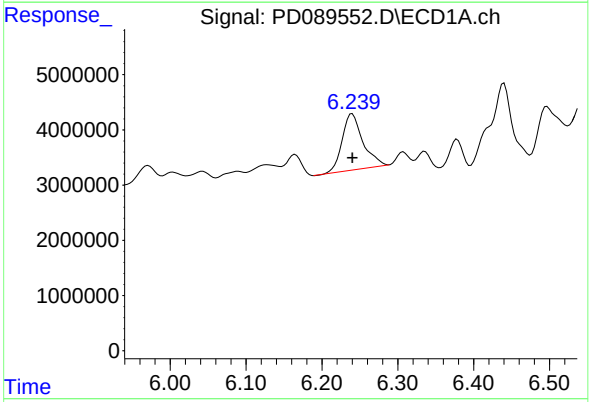
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 141988279
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



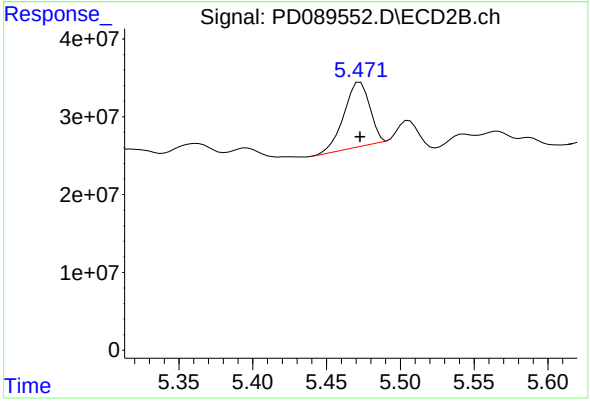
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 951523880
Conc: 50.00 ng/ml



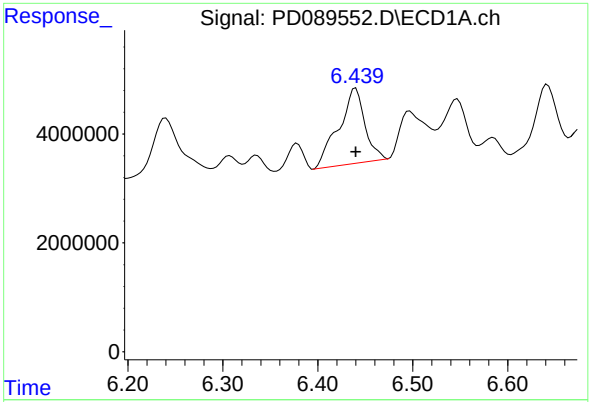
#2 Toxaphene-1

R.T.: 6.240 min
Delta R.T.: 0.000 min
Response: 19325202
Conc: 500.00 ng/ml



#2 Toxaphene-1

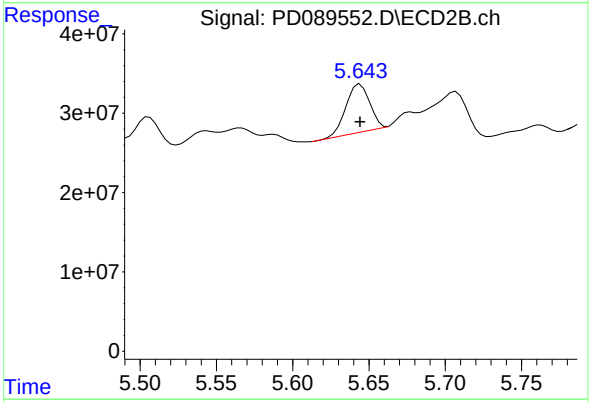
R.T.: 5.473 min
Delta R.T.: 0.000 min
Response: 100049976
Conc: 500.00 ng/ml



#3 Toxaphene-2

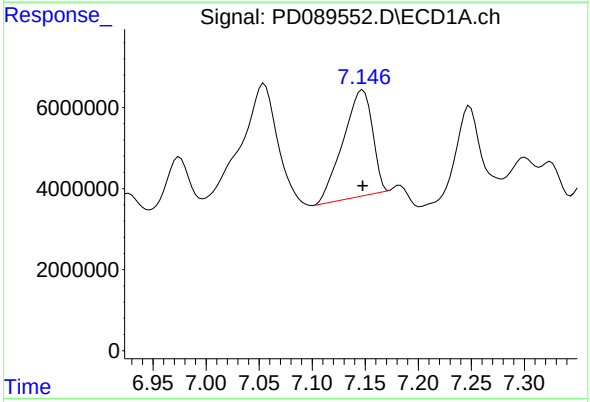
R.T.: 6.440 min
Delta R.T.: 0.000 min
Response: 26533094
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



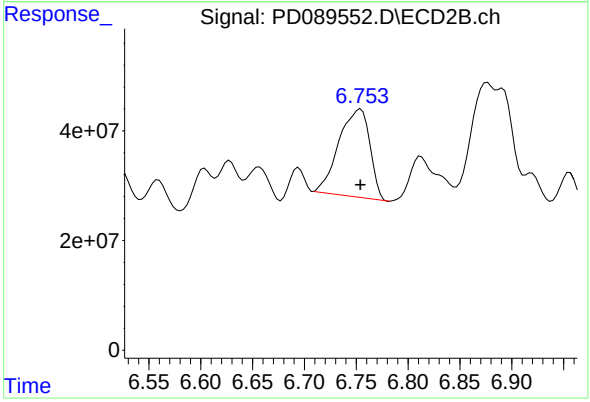
#3 Toxaphene-2

R.T.: 5.644 min
Delta R.T.: 0.000 min
Response: 65118541
Conc: 500.00 ng/ml



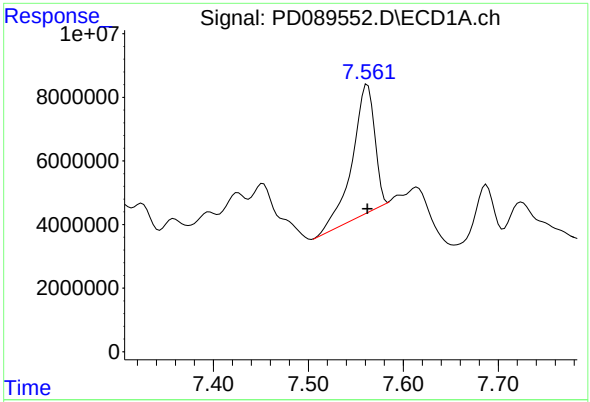
#4 Toxaphene-3

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 50447927
Conc: 500.00 ng/ml



#4 Toxaphene-3

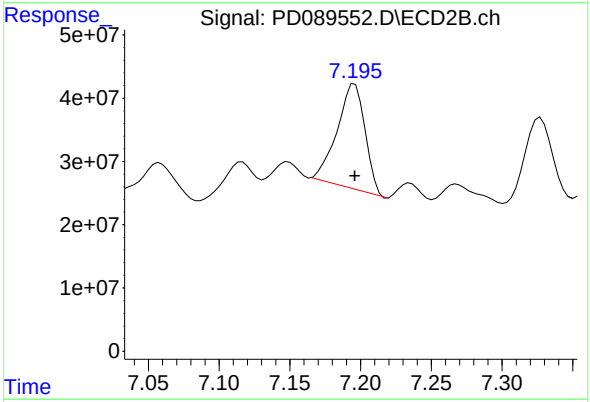
R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 333637075
Conc: 500.00 ng/ml



#5 Toxaphene-4

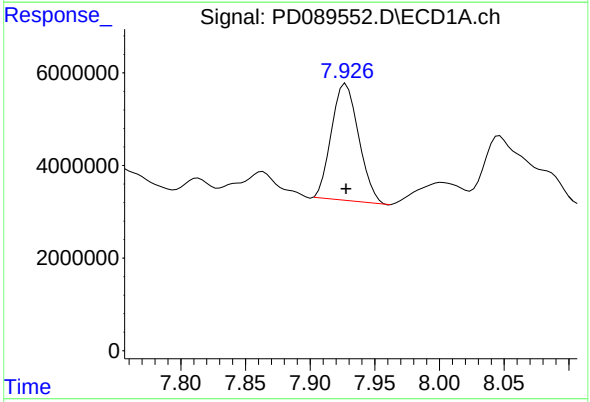
R.T.: 7.562 min
Delta R.T.: 0.000 min
Response: 65995374
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



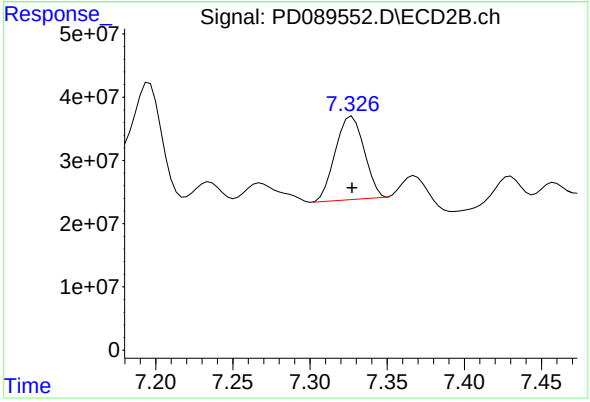
#5 Toxaphene-4

R.T.: 7.196 min
Delta R.T.: 0.000 min
Response: 228335237
Conc: 500.00 ng/ml



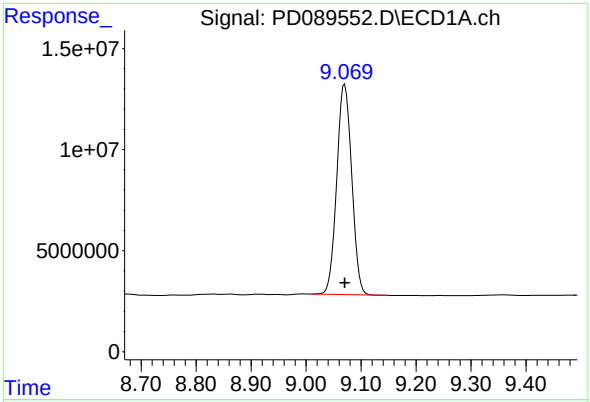
#6 Toxaphene-5

R.T.: 7.928 min
Delta R.T.: 0.000 min
Response: 36962427
Conc: 500.00 ng/ml



#6 Toxaphene-5

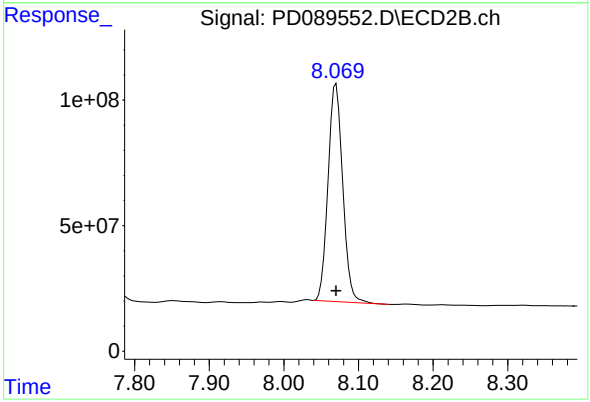
R.T.: 7.327 min
Delta R.T.: 0.000 min
Response: 171464528
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 197137875
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 1187480460
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:25
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD072125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:42:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	143.7E6	971.9E6	49.883	49.675
28)	SA Decachlor...	9.080	8.072	201.1E6	1226.4E6	48.964	49.919
	Target Compounds						
2)	A alpha-BHC	4.005	3.391	297.7E6	1502.7E6	52.142	50.015
3)	MA gamma-BHC...	4.335	3.727	281.4E6	1385.5E6	50.994	49.904
4)	MA Heptachlor	4.935	4.080	278.6E6	1392.2E6	51.090	49.689
5)	MB Aldrin	5.277	4.367	267.5E6	1366.3E6	51.110	49.891
6)	B beta-BHC	4.522	4.023	106.3E6	588.6E6	49.304	49.448
7)	B delta-BHC	4.770	4.260	270.1E6	1396.1E6	51.107	50.048
8)	B Heptachlo...	5.697	4.870	236.5E6	1233.3E6	50.064	49.607
9)	A Endosulfan I	6.080	5.245	224.0E6	1167.7E6	50.390	49.174
10)	B gamma-Chl...	5.952	5.124	240.0E6	1332.6E6	50.622	49.811
11)	B alpha-Chl...	6.033	5.188	240.2E6	1280.9E6	50.396	49.662
12)	B 4,4'-DDE	6.202	5.374	218.4E6	1307.2E6	50.868	49.788
13)	MA Dieldrin	6.353	5.511	240.4E6	1324.7E6	50.926	50.126
14)	MA Endrin	6.580	5.788	206.9E6	1202.0E6	50.804	49.706
15)	B Endosulfa...	6.792	6.079	203.5E6	1142.8E6	50.012	49.757
16)	A 4,4'-DDD	6.711	5.928	174.5E6	1094.7E6	51.498	49.936
17)	MA 4,4'-DDT	7.027	6.182	192.5E6	1192.7E6	51.031	50.953
18)	B Endrin al...	6.921	6.258	146.9E6	835.1E6	50.396	50.316
19)	B Endosulfa...	7.155	6.481	189.5E6	1109.1E6	50.222	49.962
20)	A Methoxychlor	7.499	6.753	100.7E6	612.6E6	50.211	50.250
21)	B Endrin ke...	7.636	6.990	203.2E6	1230.4E6	50.502	50.241
22)	Mirex	8.119	7.184	151.3E6	957.6E6	49.179	49.538

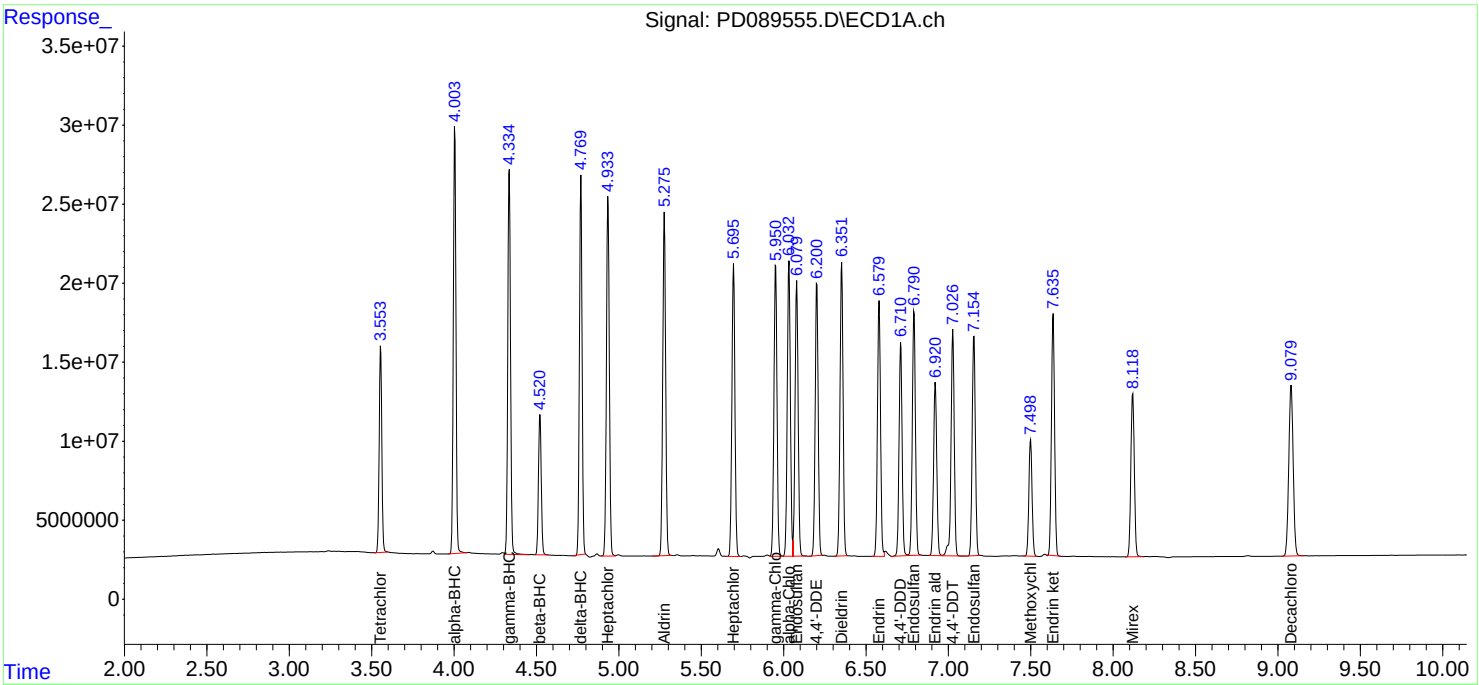
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

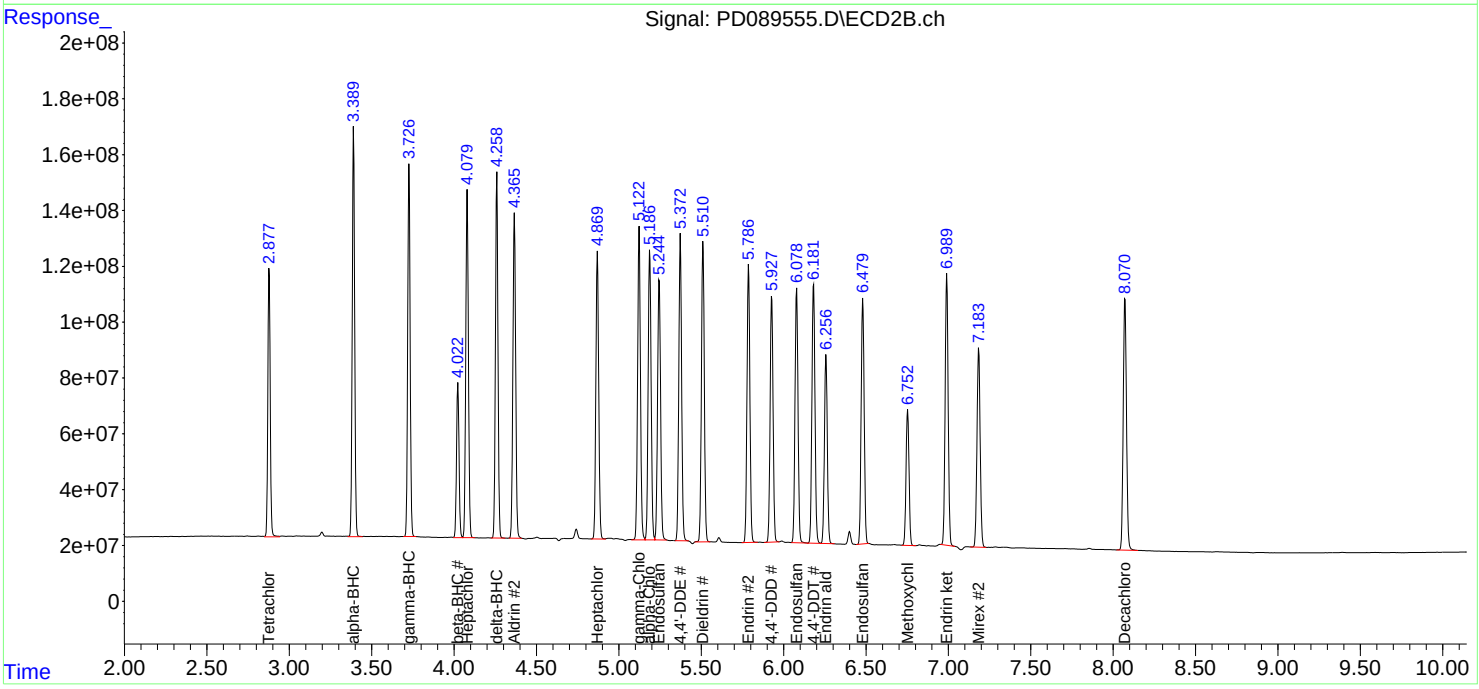
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:25
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

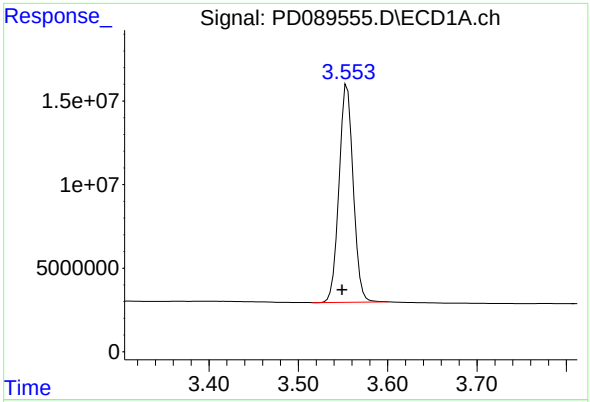
Instrument :
ECD_D
ClientSampleId :
ICVPD072125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:42:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



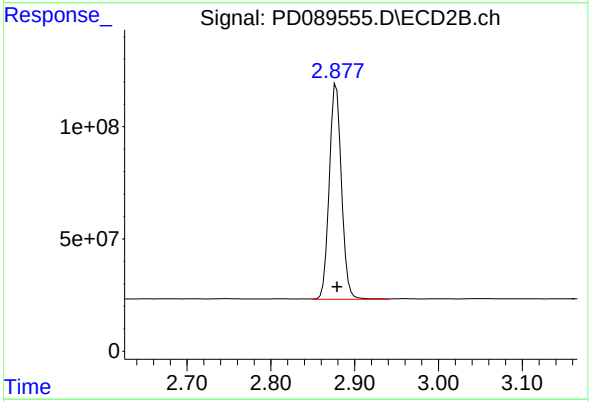




#1 Tetrachloro-m-xylene

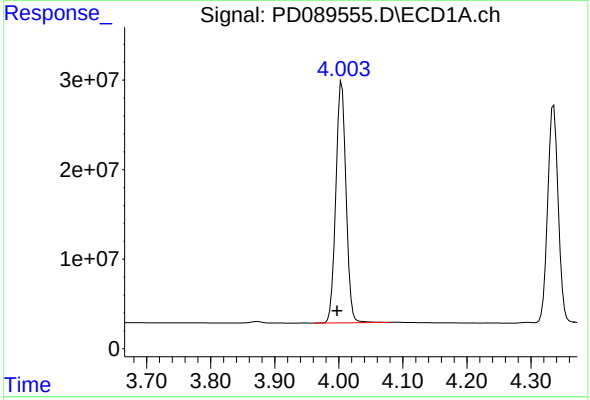
R.T.: 3.555 min
Delta R.T.: 0.006 min
Response: 143732439
Conc: 49.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



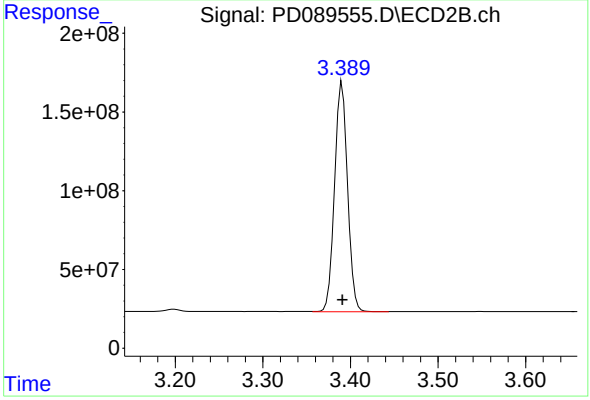
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 971942704
Conc: 49.67 ng/ml



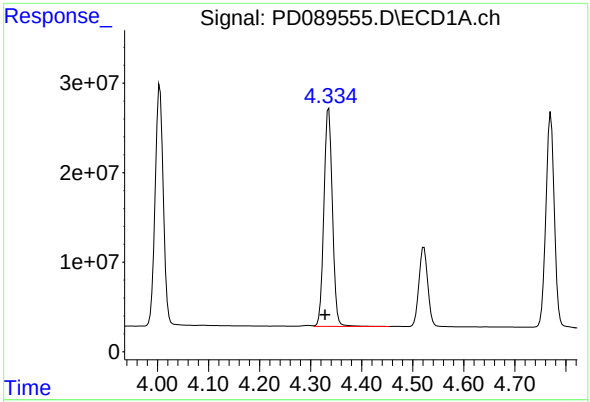
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.007 min
Response: 297712356
Conc: 52.14 ng/ml



#2 alpha-BHC

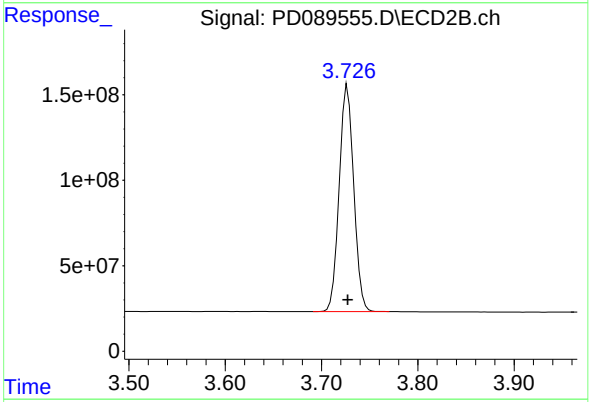
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1502674616
Conc: 50.01 ng/ml



#3 gamma-BHC (Lindane)

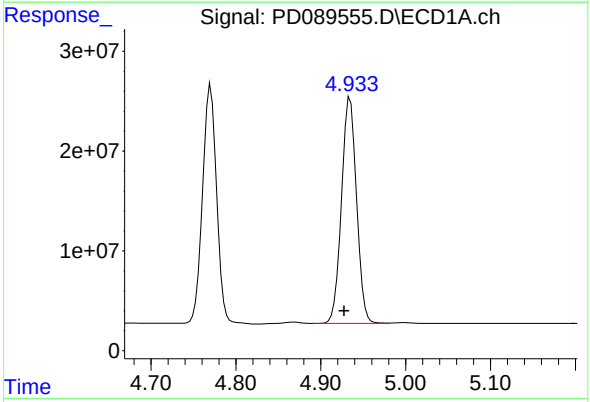
R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 281358653
Conc: 50.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



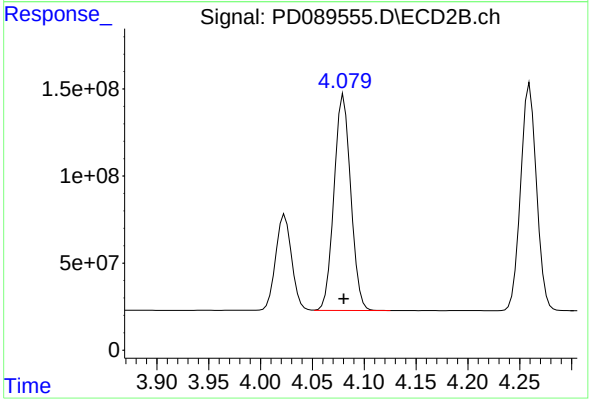
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1385455410
Conc: 49.90 ng/ml



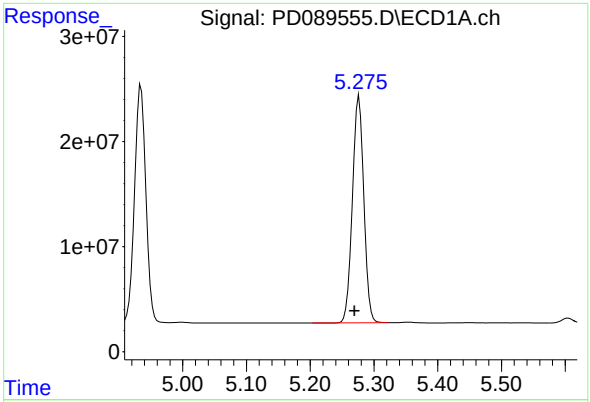
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.007 min
Response: 278637998
Conc: 51.09 ng/ml



#4 Heptachlor

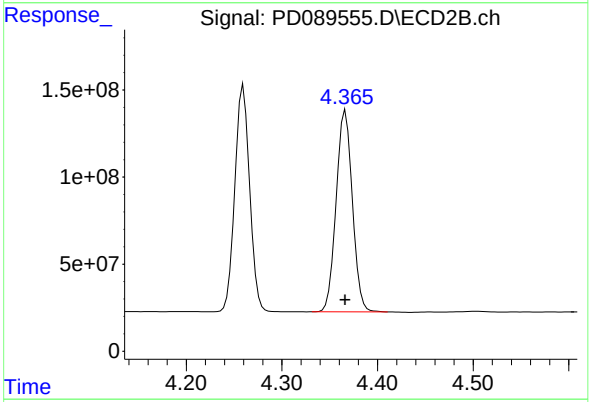
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1392205014
Conc: 49.69 ng/ml



#5 Aldrin

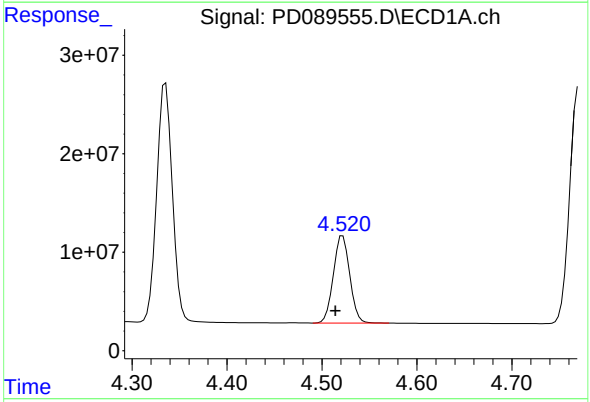
R.T.: 5.277 min
Delta R.T.: 0.008 min
Response: 267454072
Conc: 51.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



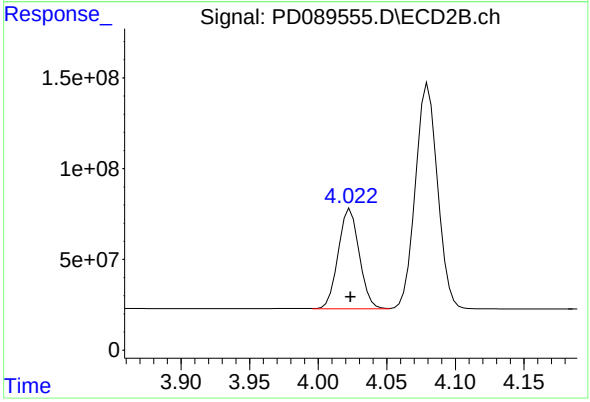
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 1366342108
Conc: 49.89 ng/ml



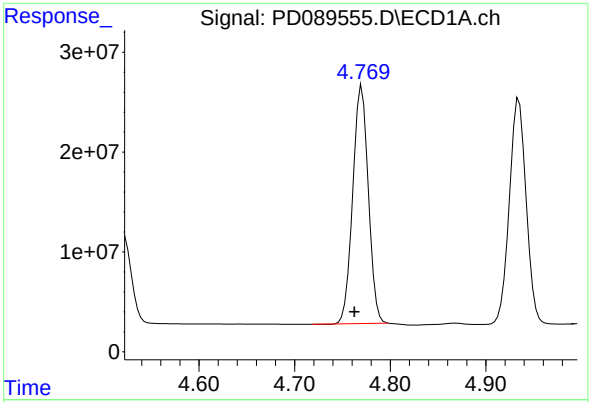
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.008 min
Response: 106306482
Conc: 49.30 ng/ml



#6 beta-BHC

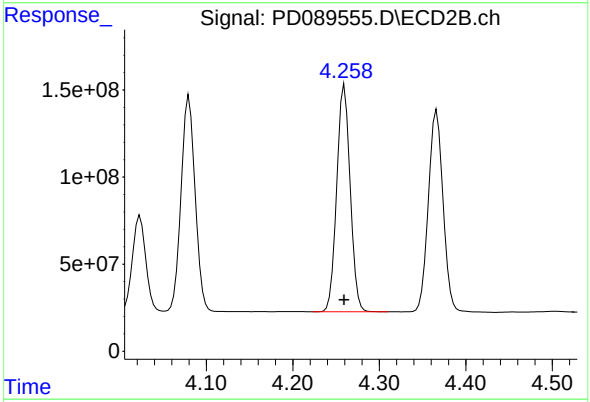
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 588563824
Conc: 49.45 ng/ml



#7 delta-BHC

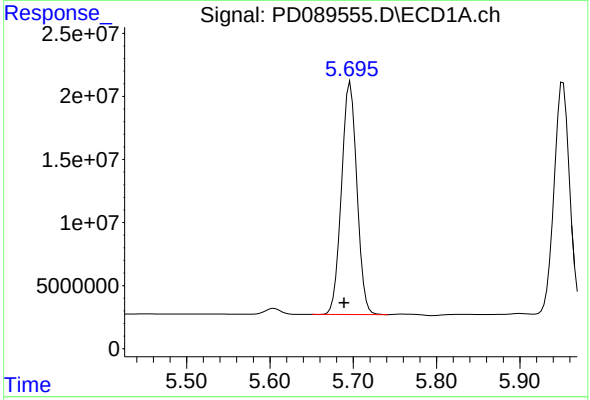
R.T.: 4.770 min
Delta R.T.: 0.008 min
Response: 270109183
Conc: 51.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



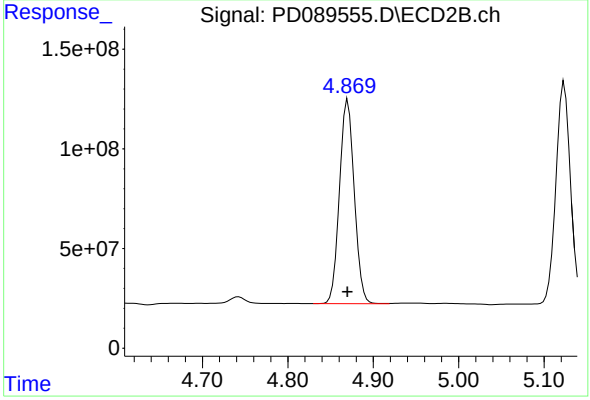
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1396140661
Conc: 50.05 ng/ml



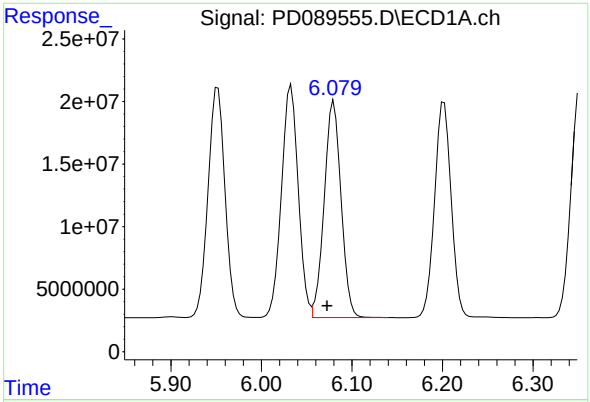
#8 Heptachlor epoxide

R.T.: 5.697 min
Delta R.T.: 0.008 min
Response: 236482595
Conc: 50.06 ng/ml



#8 Heptachlor epoxide

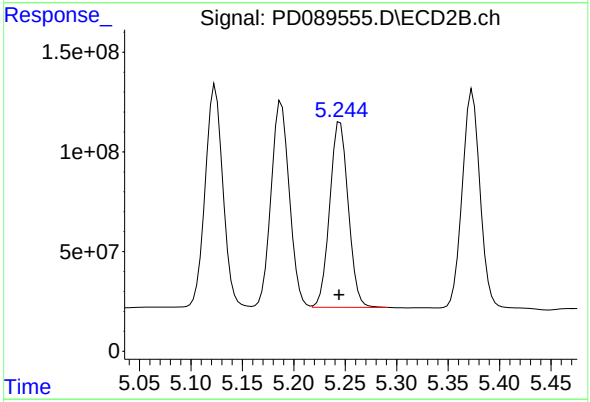
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 1233300214
Conc: 49.61 ng/ml



#9 Endosulfan I

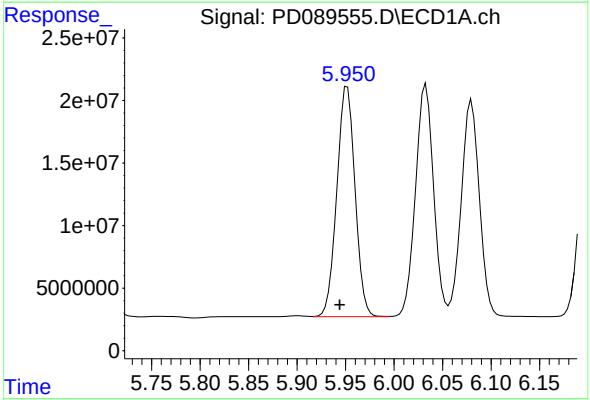
R.T.: 6.080 min
Delta R.T.: 0.007 min
Response: 224014330
Conc: 50.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



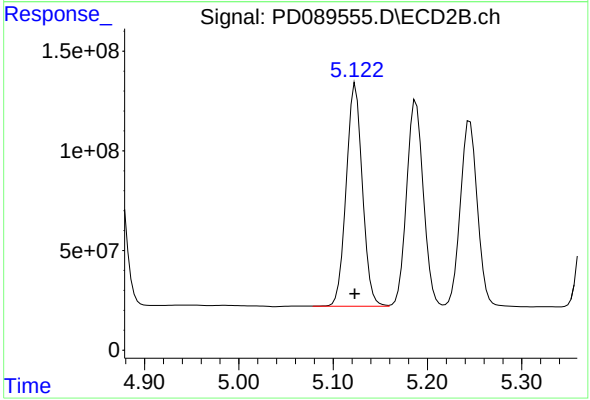
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.001 min
Response: 1167685327
Conc: 49.17 ng/ml



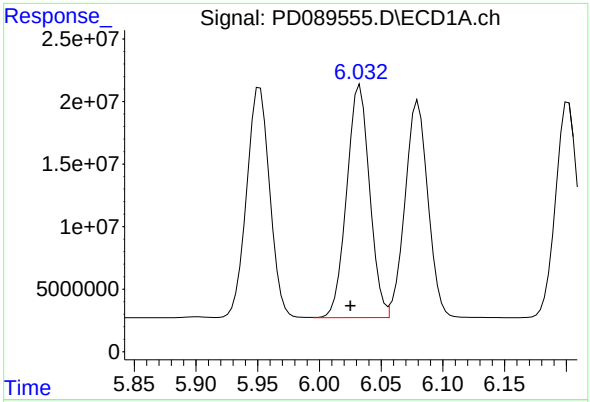
#10 gamma-Chlordane

R.T.: 5.952 min
Delta R.T.: 0.008 min
Response: 240000109
Conc: 50.62 ng/ml



#10 gamma-Chlordane

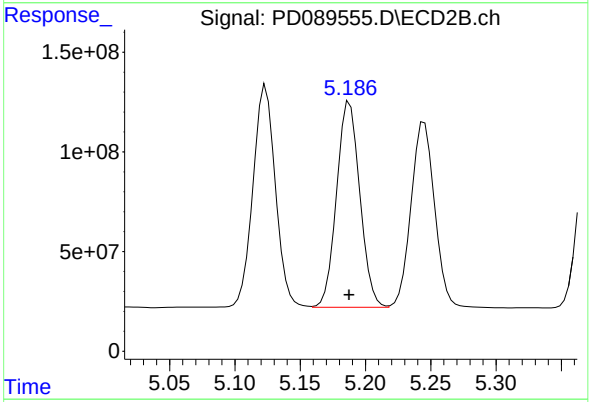
R.T.: 5.124 min
Delta R.T.: 0.000 min
Response: 1332588918
Conc: 49.81 ng/ml



#11 alpha-Chlordane

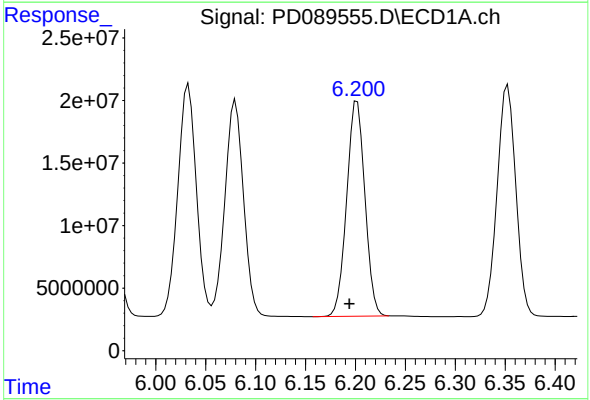
R.T.: 6.033 min
Delta R.T.: 0.008 min
Response: 240222273
Conc: 50.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



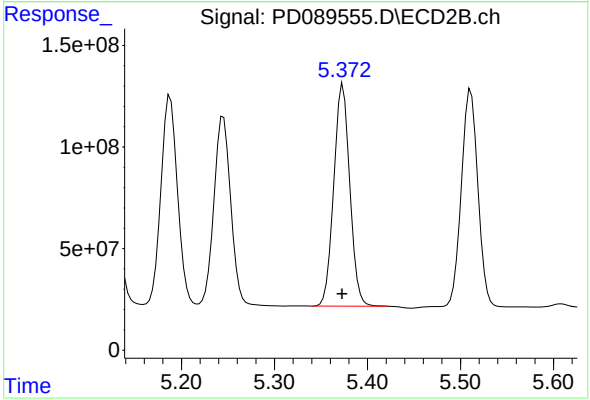
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.000 min
Response: 1280880623
Conc: 49.66 ng/ml



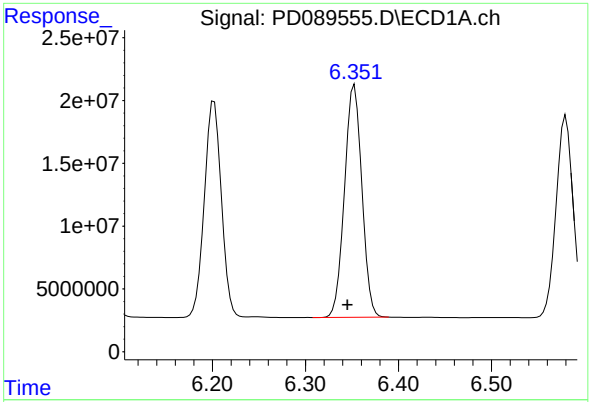
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.008 min
Response: 218418892
Conc: 50.87 ng/ml



#12 4,4'-DDE

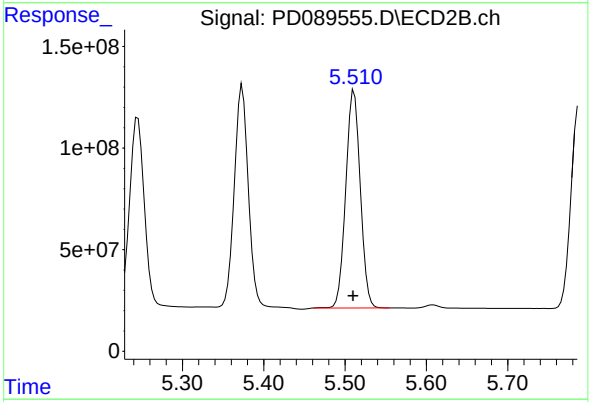
R.T.: 5.374 min
Delta R.T.: 0.001 min
Response: 1307237161
Conc: 49.79 ng/ml



#13 Dieldrin

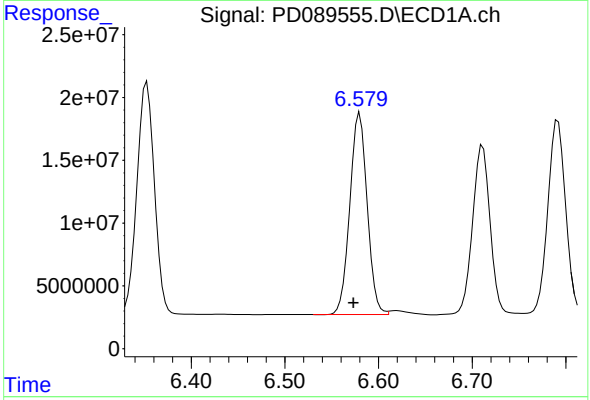
R.T.: 6.353 min
Delta R.T.: 0.008 min
Response: 240406045
Conc: 50.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



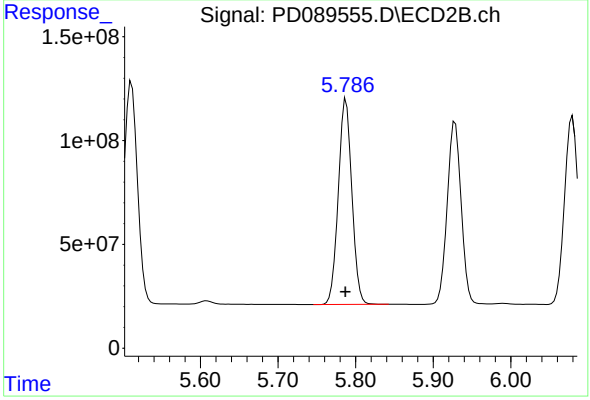
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: 0.001 min
Response: 1324662344
Conc: 50.13 ng/ml



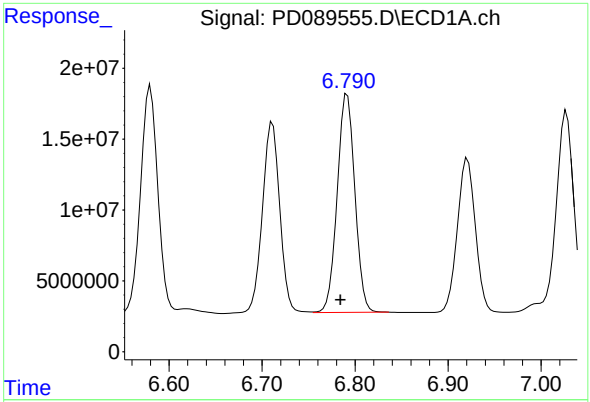
#14 Endrin

R.T.: 6.580 min
Delta R.T.: 0.007 min
Response: 206900320
Conc: 50.80 ng/ml



#14 Endrin

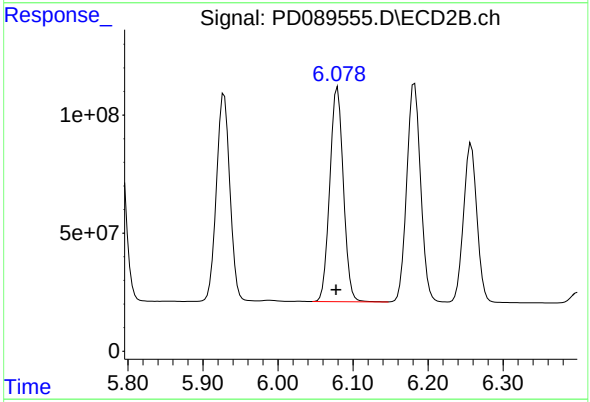
R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 1201961478
Conc: 49.71 ng/ml



#15 Endosulfan II

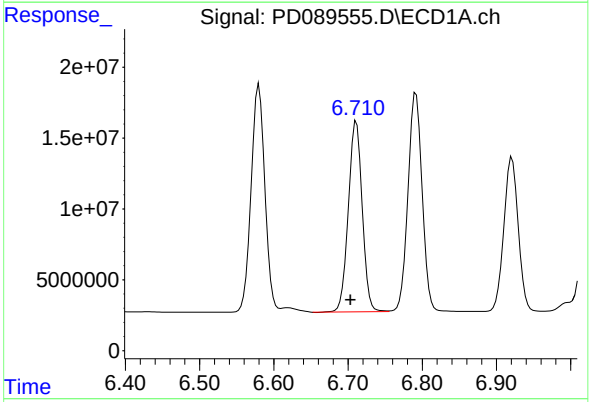
R.T.: 6.792 min
Delta R.T.: 0.007 min
Response: 203494231
Conc: 50.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



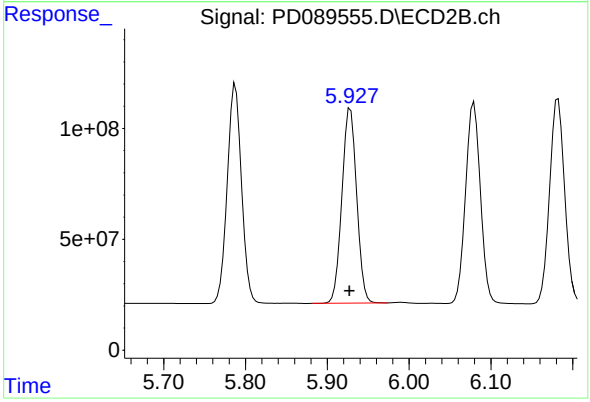
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: 0.002 min
Response: 1142816592
Conc: 49.76 ng/ml



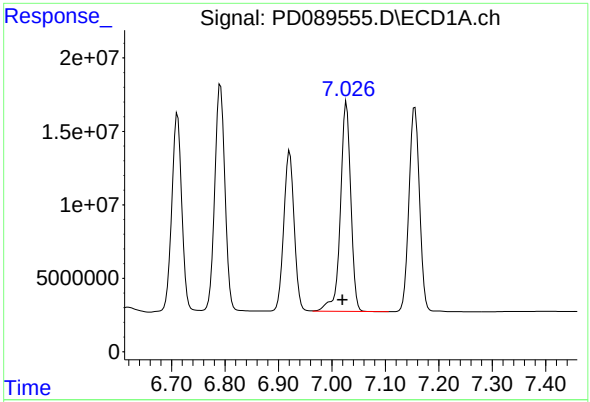
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.008 min
Response: 174514030
Conc: 51.50 ng/ml



#16 4,4'-DDD

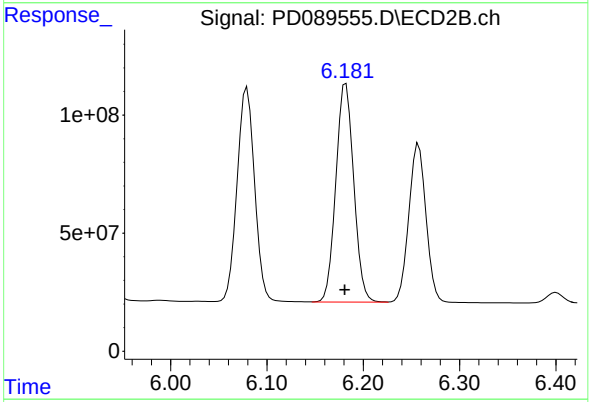
R.T.: 5.928 min
Delta R.T.: 0.001 min
Response: 1094687682
Conc: 49.94 ng/ml



#17 4,4'-DDT

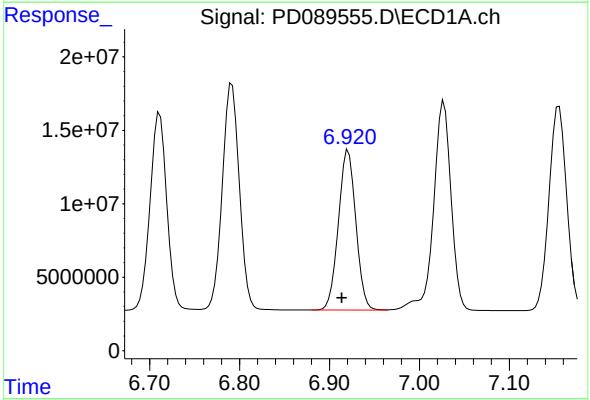
R.T.: 7.027 min
Delta R.T.: 0.008 min
Response: 192538565
Conc: 51.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



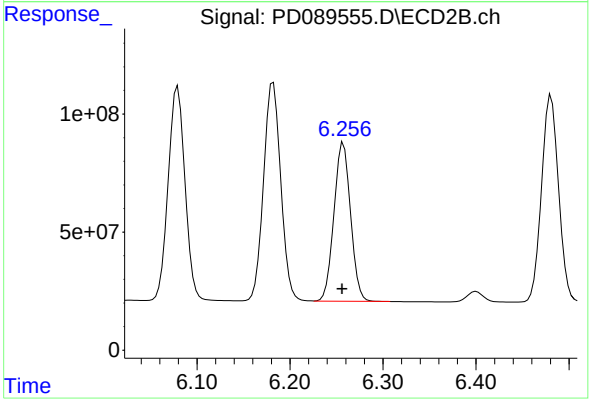
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: 0.001 min
Response: 1192653117
Conc: 50.95 ng/ml



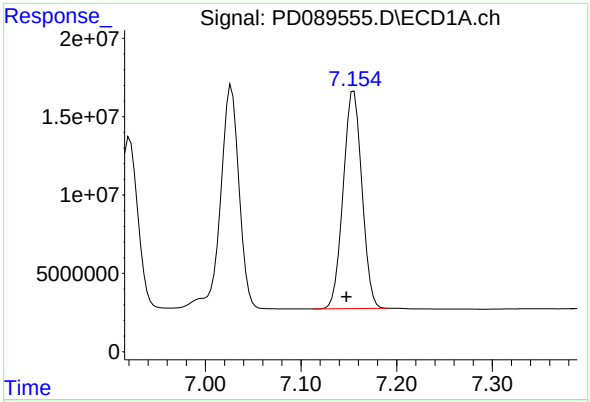
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.007 min
Response: 146935572
Conc: 50.40 ng/ml



#18 Endrin aldehyde

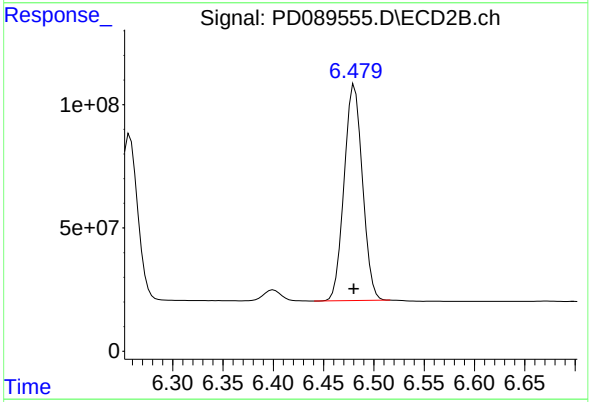
R.T.: 6.258 min
Delta R.T.: 0.001 min
Response: 835118568
Conc: 50.32 ng/ml



#19 Endosulfan Sulfate

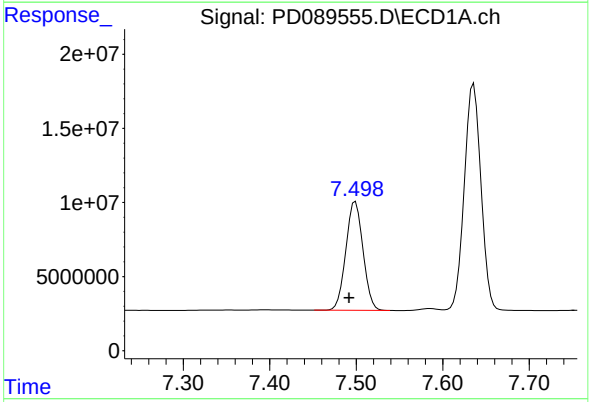
R.T.: 7.155 min
Delta R.T.: 0.008 min
Response: 189545042
Conc: 50.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



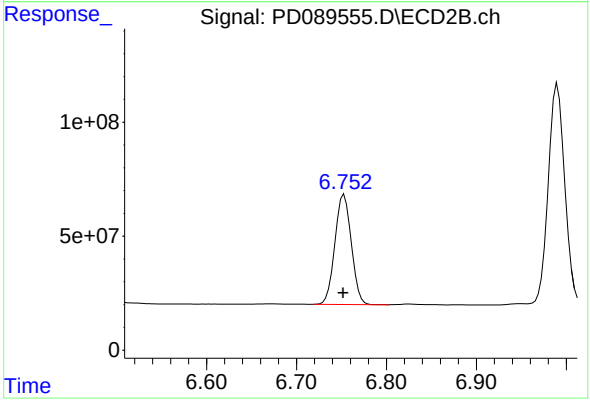
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: 0.000 min
Response: 1109056008
Conc: 49.96 ng/ml



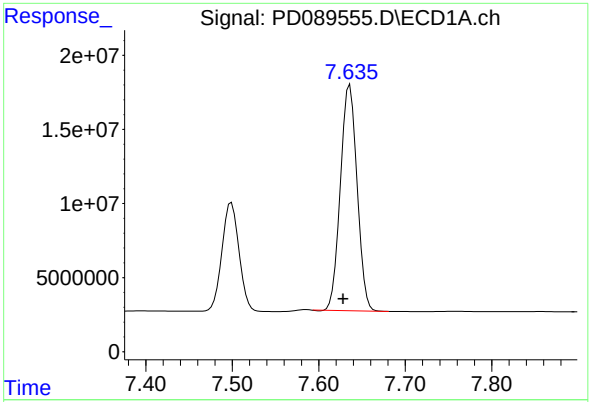
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.007 min
Response: 100668257
Conc: 50.21 ng/ml



#20 Methoxychlor

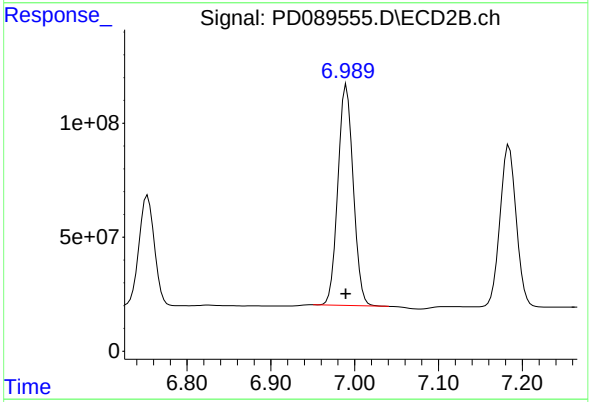
R.T.: 6.753 min
Delta R.T.: 0.001 min
Response: 612649620
Conc: 50.25 ng/ml



#21 Endrin ketone

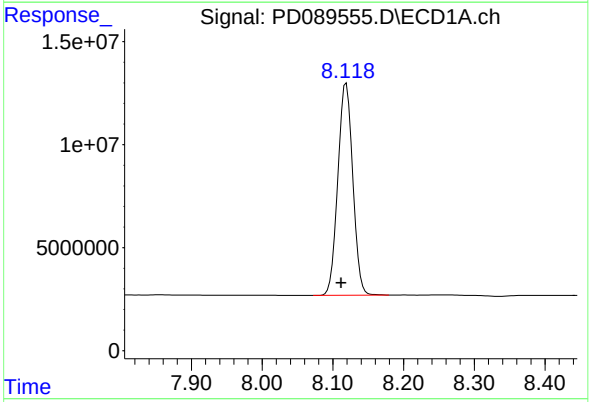
R.T.: 7.636 min
Delta R.T.: 0.008 min
Response: 203231388
Conc: 50.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



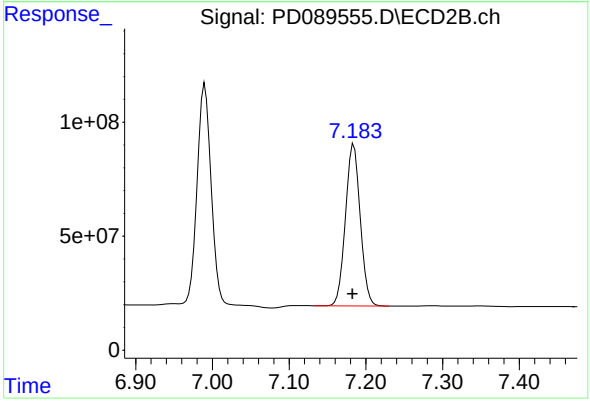
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 1230358275
Conc: 50.24 ng/ml



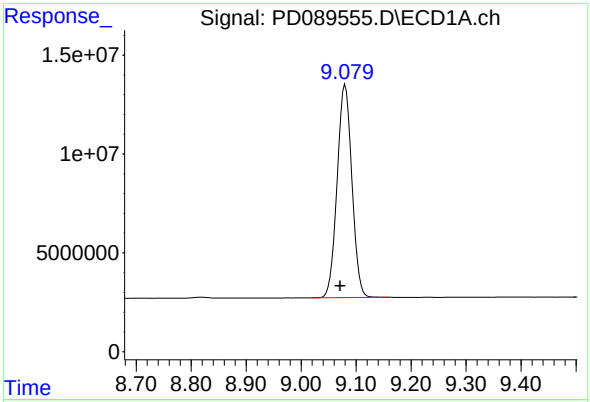
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.007 min
Response: 151284111
Conc: 49.18 ng/ml



#22 Mirex

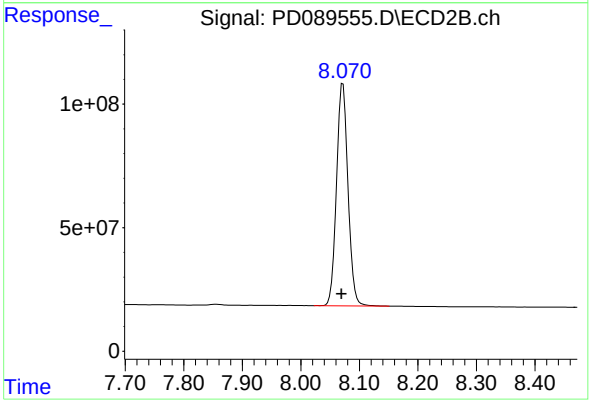
R.T.: 7.184 min
Delta R.T.: 0.002 min
Response: 957551311
Conc: 49.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.010 min
Response: 201098640
Conc: 48.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.002 min
Response: 1226431617
Conc: 49.92 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 11:25 **Initial Calibration Time(s):** 15:52 16:47

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	4.52	4.42	4.62	0.00
delta-BHC	4.77	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	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 11:25 **Initial Calibration Time(s):** 15:52 16:47

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	4.03	3.93	4.13	0.01
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	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
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	6.76	6.66	6.86	0.01
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	5.13	5.03	5.23	0.01

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/11/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089452.D **Time Analyzed:** 11:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.605	6.805	50.220	50.000	0.4
4,4'-DDE	6.196	6.096	6.296	50.220	50.000	0.4
4,4'-DDT	7.021	6.921	7.121	46.370	50.000	-7.3
Aldrin	5.271	5.171	5.371	51.560	50.000	3.1
alpha-BHC	4.000	3.899	4.099	52.210	50.000	4.4
alpha-Chlordane	6.027	5.927	6.127	50.530	50.000	1.1
beta-BHC	4.516	4.415	4.615	50.510	50.000	1.0
Decachlorobiphenyl	9.072	8.972	9.172	49.160	50.000	-1.7
delta-BHC	4.765	4.664	4.864	54.640	50.000	9.3
Dieldrin	6.347	6.247	6.447	50.870	50.000	1.7
Endosulfan I	6.075	5.975	6.175	50.460	50.000	0.9
Endosulfan II	6.786	6.686	6.886	48.570	50.000	-2.9
Endosulfan sulfate	7.149	7.049	7.249	47.090	50.000	-5.8
Endrin	6.575	6.475	6.675	47.720	50.000	-4.6
Endrin aldehyde	6.915	6.815	7.015	47.780	50.000	-4.4
Endrin ketone	7.630	7.530	7.730	46.760	50.000	-6.5
gamma-BHC (Lindane)	4.331	4.230	4.430	51.830	50.000	3.7
gamma-Chlordane	5.946	5.846	6.046	51.110	50.000	2.2
Heptachlor	4.929	4.829	5.029	51.380	50.000	2.8
Heptachlor epoxide	5.691	5.591	5.791	50.220	50.000	0.4
Methoxychlor	7.493	7.393	7.593	42.460	50.000	-15.1
Tetrachloro-m-xylene	3.550	3.450	3.650	49.680	50.000	-0.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/11/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089452.D **Time Analyzed:** 11:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	52.770	50.000	5.5
4,4'-DDE	5.373	5.275	5.475	52.810	50.000	5.6
4,4'-DDT	6.182	6.084	6.284	49.920	50.000	-0.2
Aldrin	4.367	4.269	4.469	53.470	50.000	6.9
alpha-BHC	3.392	3.293	3.493	53.810	50.000	7.6
alpha-Chlordane	5.188	5.091	5.291	52.750	50.000	5.5
beta-BHC	4.024	3.926	4.126	52.760	50.000	5.5
Decachlorobiphenyl	8.071	7.972	8.172	49.700	50.000	-0.6
delta-BHC	4.260	4.162	4.362	53.550	50.000	7.1
Dieldrin	5.509	5.413	5.613	52.770	50.000	5.5
Endosulfan I	5.245	5.147	5.347	52.480	50.000	5.0
Endosulfan II	6.079	5.981	6.181	51.980	50.000	4.0
Endosulfan sulfate	6.480	6.383	6.583	50.660	50.000	1.3
Endrin	5.788	5.689	5.889	51.970	50.000	3.9
Endrin aldehyde	6.257	6.159	6.359	50.950	50.000	1.9
Endrin ketone	6.989	6.892	7.092	49.330	50.000	-1.3
gamma-BHC (Lindane)	3.727	3.630	3.830	53.630	50.000	7.3
gamma-Chlordane	5.124	5.026	5.226	53.040	50.000	6.1
Heptachlor	4.081	3.983	4.183	51.690	50.000	3.4
Heptachlor epoxide	4.871	4.773	4.973	54.860	50.000	9.7
Methoxychlor	6.752	6.655	6.855	45.220	50.000	-9.6
Tetrachloro-m-xylene	2.880	2.780	2.980	53.060	50.000	6.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 11:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:49:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	141.7E6	899.5E6	49.682	53.055
28)	SA Decachlor...	9.072	8.071	193.1E6	982.5E6	49.160	49.698
	Target Compounds						
2)	A alpha-BHC	4.000	3.392	304.4E6	1441.9E6	52.214	53.807
3)	MA gamma-BHC...	4.331	3.727	289.3E6	1327.6E6	51.832	53.626m
4)	MA Heptachlor	4.929	4.081	280.1E6	1294.2E6	51.381	51.689
5)	MB Aldrin	5.271	4.367	273.9E6	1295.0E6	51.560	53.474
6)	B beta-BHC	4.516	4.024	111.5E6	567.0E6	50.509	52.761
7)	B delta-BHC	4.765	4.260	280.5E6	1331.9E6	54.641	53.549
8)	B Heptachlo...	5.691	4.871	242.3E6	1201.3E6	50.220	54.857
9)	A Endosulfan I	6.075	5.245	227.4E6	1093.9E6	50.457	52.483
10)	B gamma-Chl...	5.946	5.124	244.7E6	1268.8E6	51.109	53.036
11)	B alpha-Chl...	6.027	5.188	244.5E6	1207.9E6	50.532	52.752
12)	B 4,4'-DDE	6.196	5.373	219.0E6	1210.1E6	50.217	52.806
13)	MA Dieldrin	6.347	5.509	244.1E6	1224.7E6	50.873	52.771m
14)	MA Endrin	6.575	5.788	196.9E6	1128.5E6	47.723	51.970
15)	B Endosulfa...	6.786	6.079	196.0E6	1049.9E6	48.566	51.984
16)	A 4,4'-DDD	6.705	5.928	172.4E6	1009.5E6	50.225	52.774
17)	MA 4,4'-DDT	7.021	6.182	175.7E6	1012.3E6	46.373	49.916
18)	B Endrin al...	6.915	6.257	146.4E6	780.2E6	47.778	50.955
19)	B Endosulfa...	7.149	6.480	180.7E6	993.9E6	47.095	50.657
20)	A Methoxychlor	7.493	6.752	85801063	486.9E6	42.463	45.215
21)	B Endrin ke...	7.630	6.989	190.5E6	1065.6E6	46.764	49.331
22)	Mirex	8.113	7.183	134.2E6	792.0E6	44.139	47.486

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

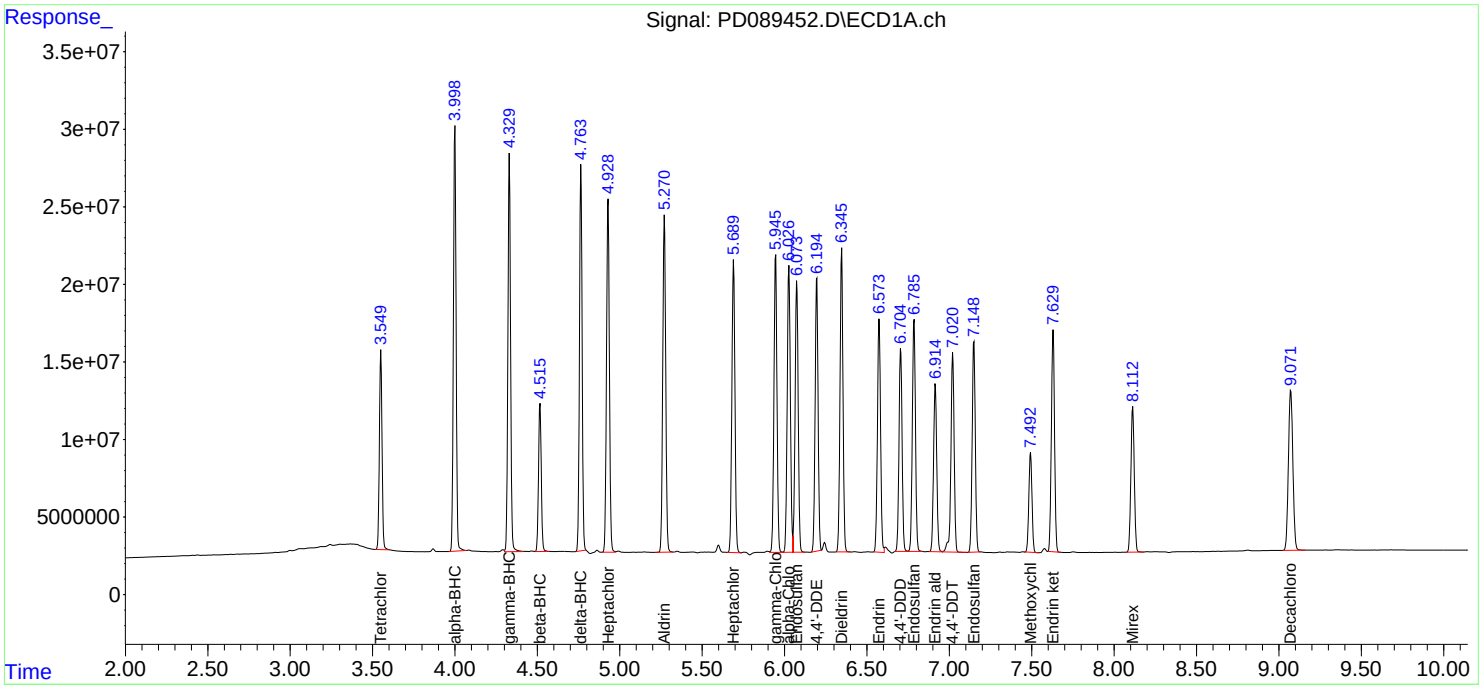
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 11:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

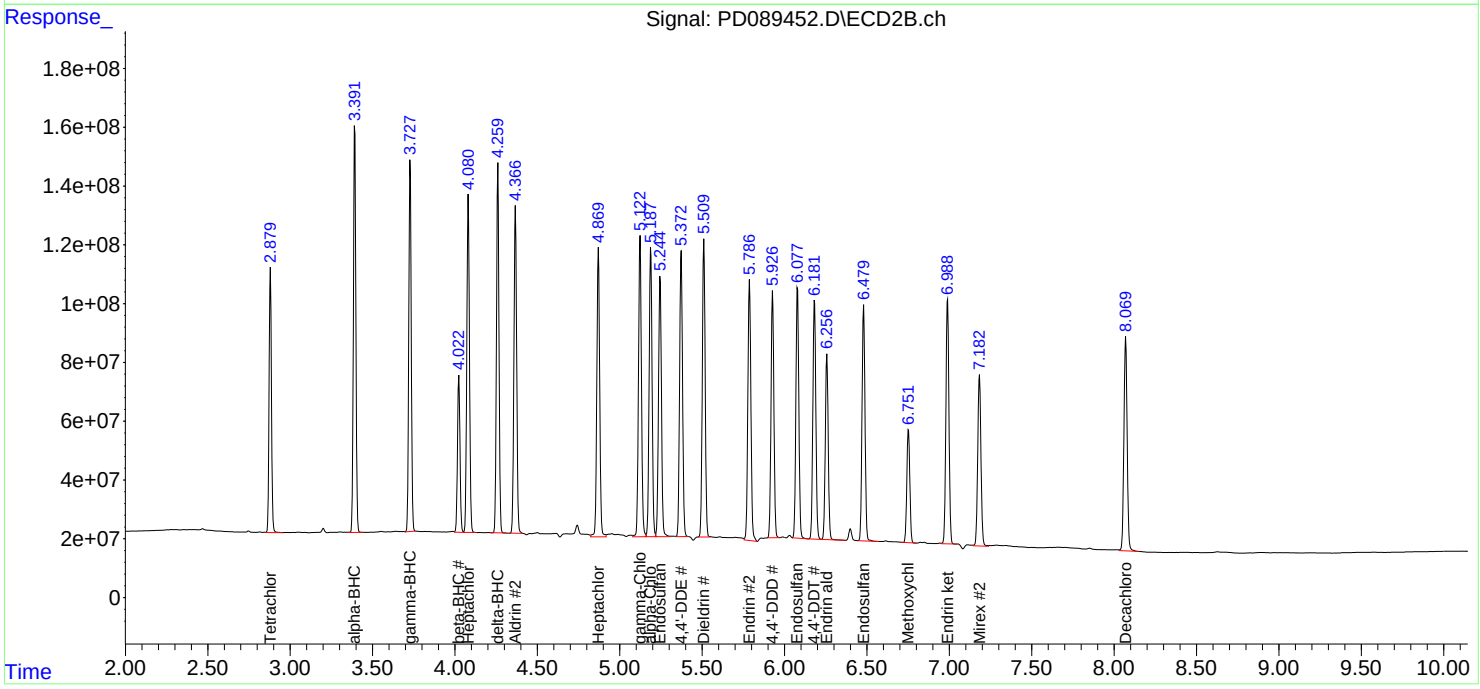
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

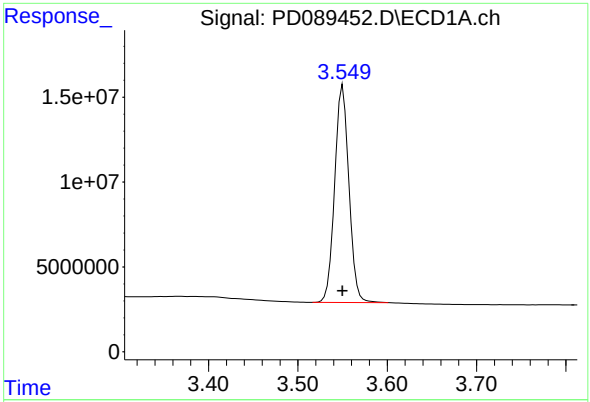
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:49:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







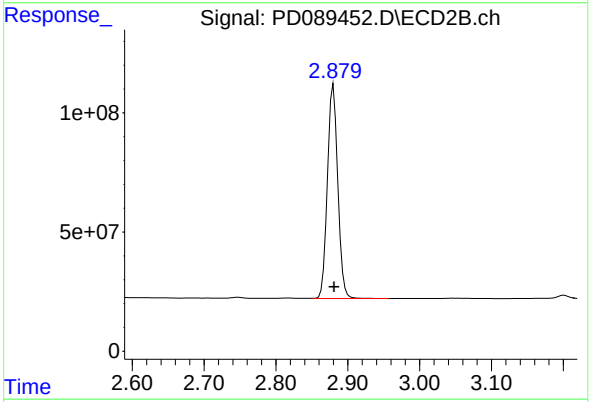
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 141748061
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

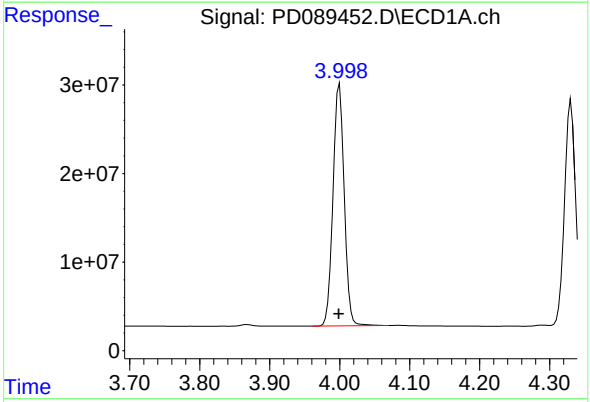
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



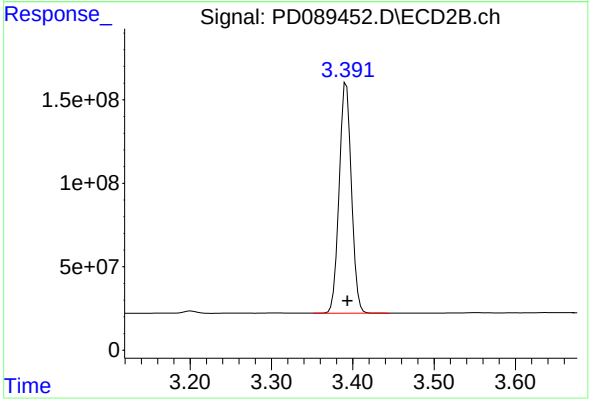
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 899454980
Conc: 53.06 ng/ml



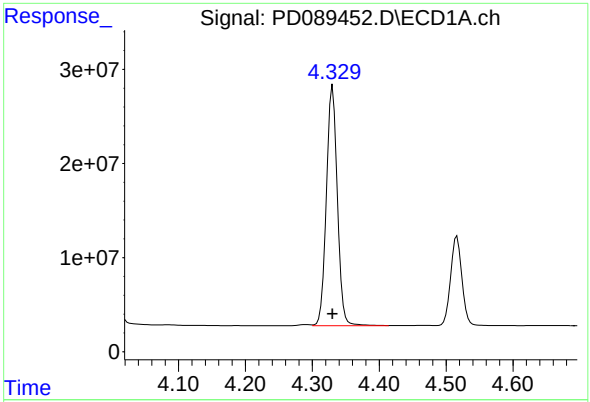
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 304357054
Conc: 52.21 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1441884633
Conc: 53.81 ng/ml



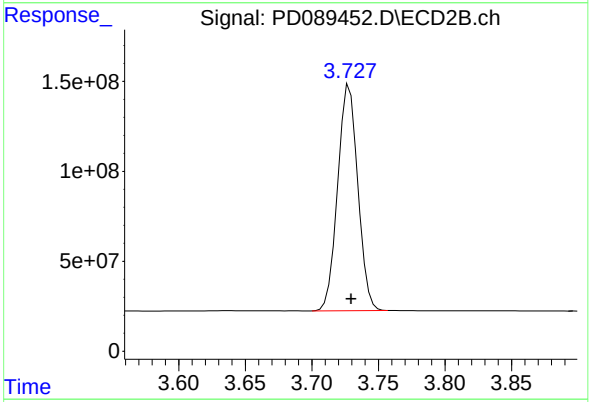
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 289307280
Conc: 51.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

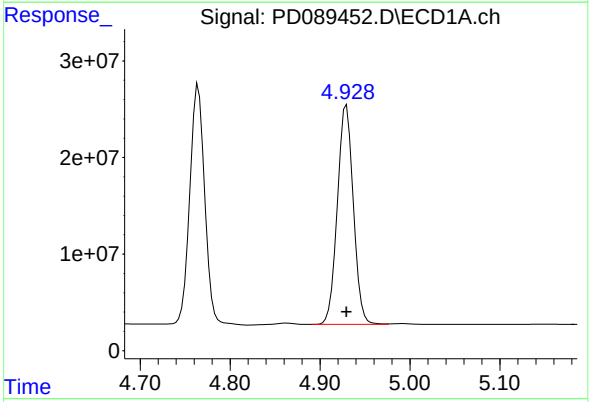
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



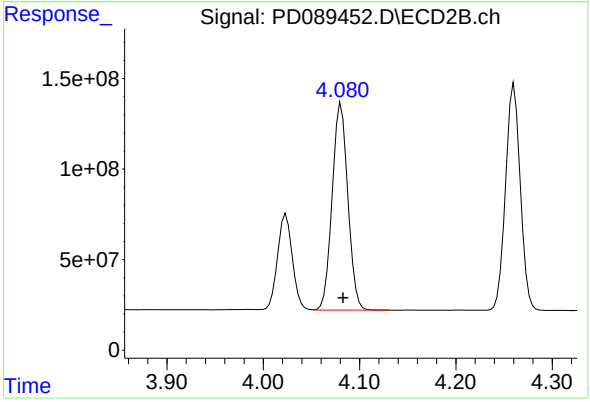
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.003 min
Response: 1327612482
Conc: 53.63 ng/ml m



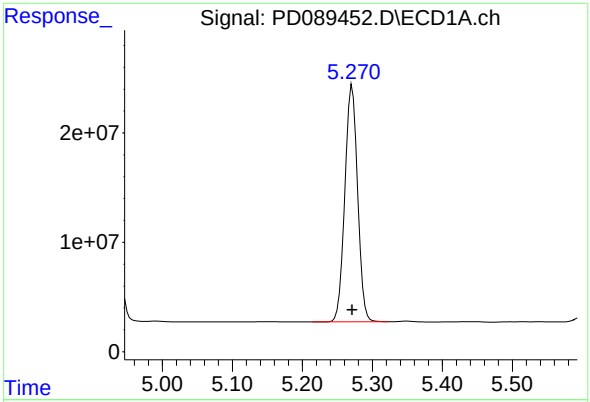
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 280125230
Conc: 51.38 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1294210012
Conc: 51.69 ng/ml



#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 273934823
Conc: 51.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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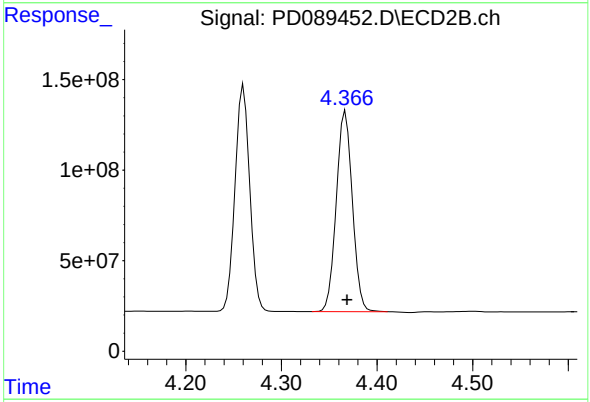
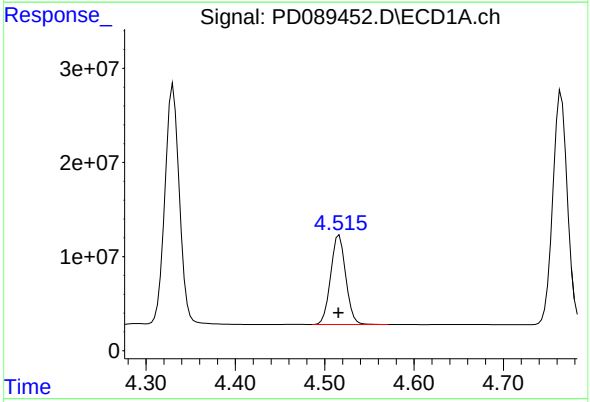
Supervised By :mohammad ahmed 07/15/2025



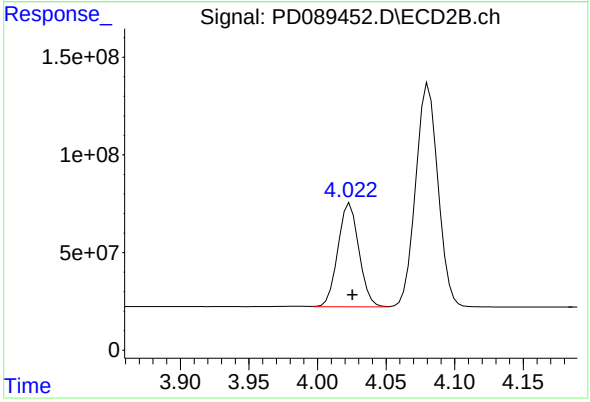
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1294983324
Conc: 53.47 ng/ml



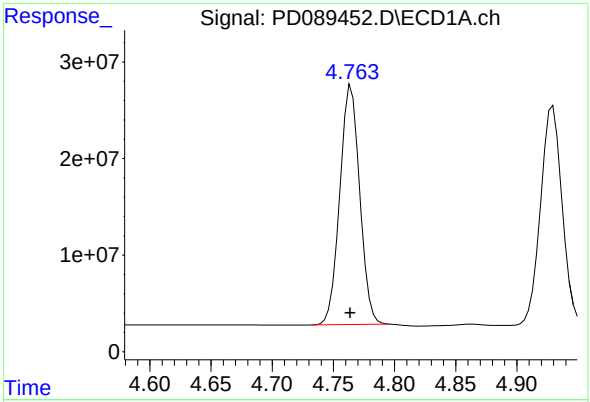
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 111479676
Conc: 50.51 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 566986958
Conc: 52.76 ng/ml



#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.001 min
Response: 280466713
Conc: 54.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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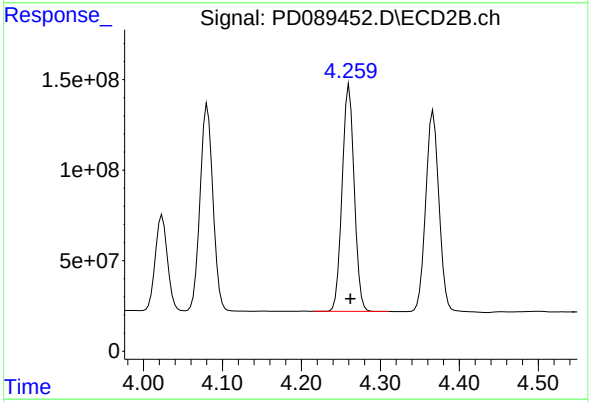
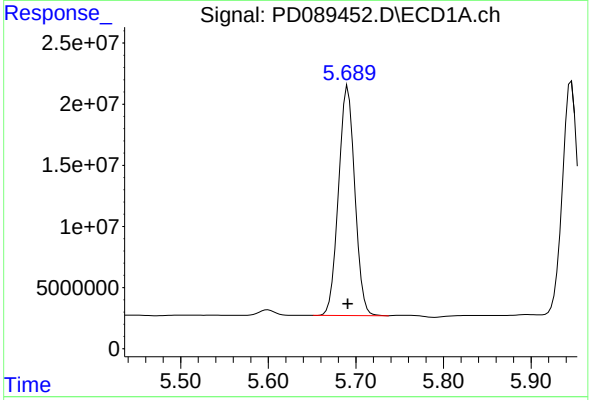


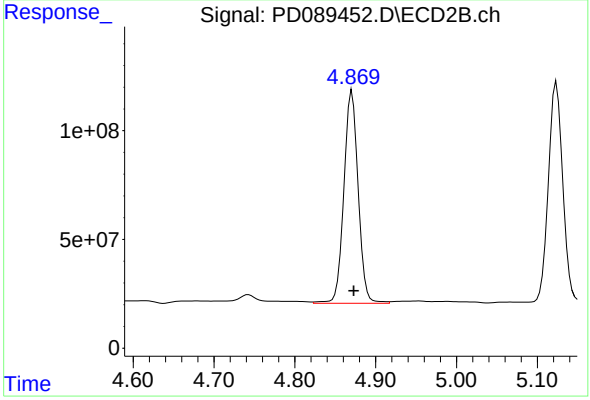
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.001 min
Response: 1331949078
Conc: 53.55 ng/ml



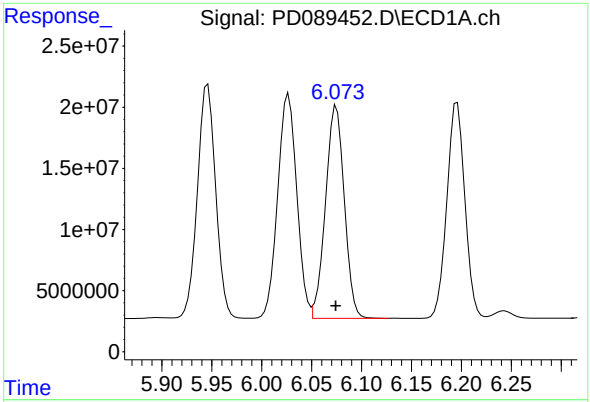
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 242258134
Conc: 50.22 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1201268138
Conc: 54.86 ng/ml



#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 227430756
Conc: 50.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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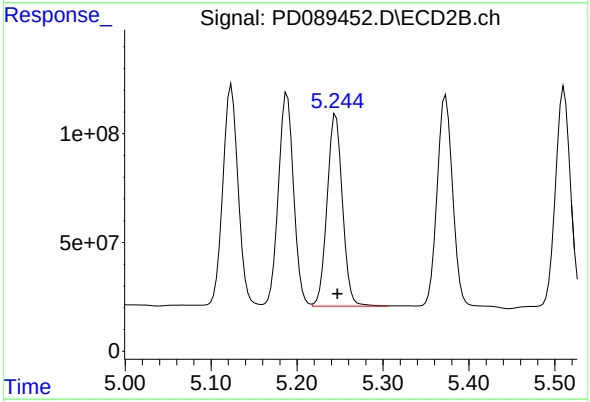
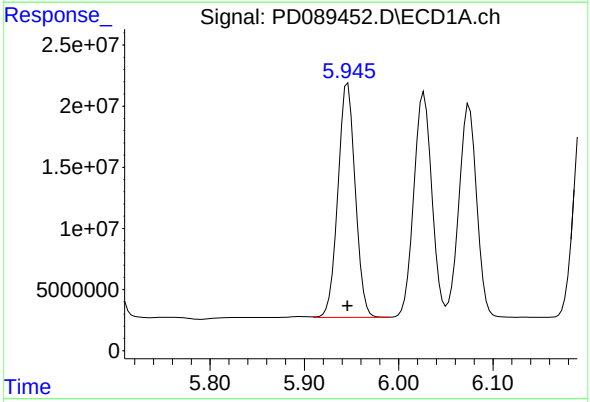


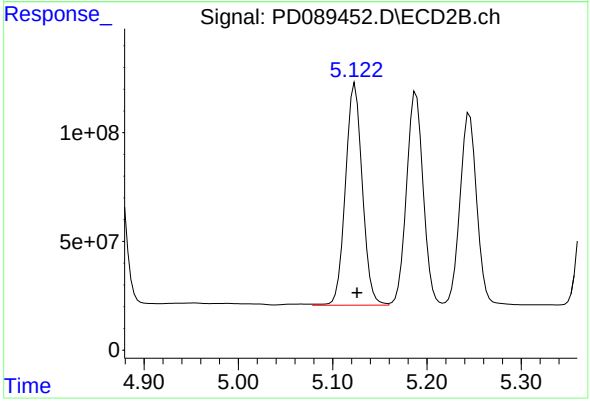
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1093872357
Conc: 52.48 ng/ml



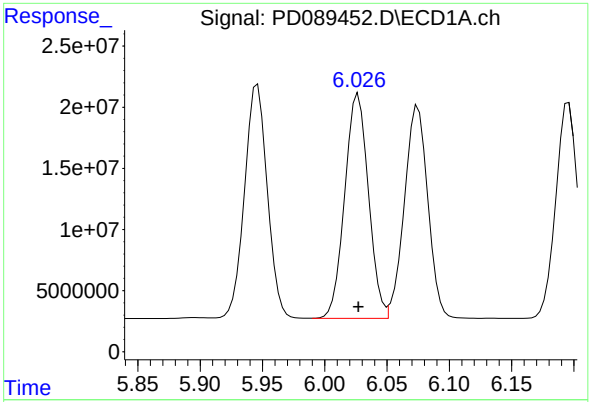
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 244718030
Conc: 51.11 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1268767205
Conc: 53.04 ng/ml



#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 244503385
Conc: 50.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
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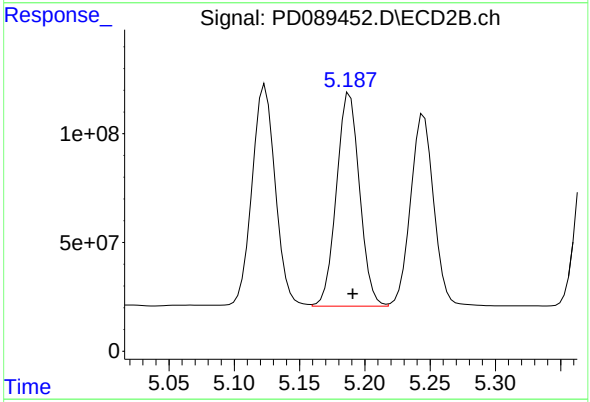
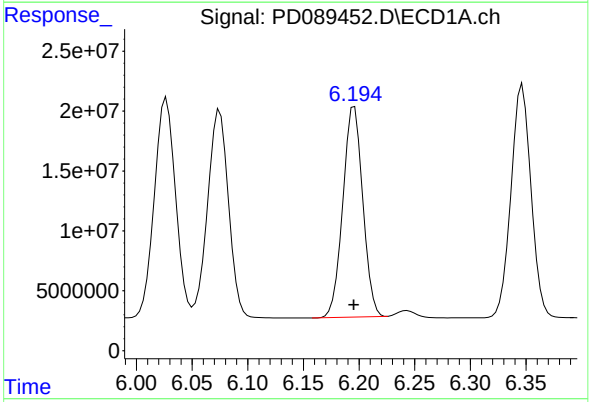


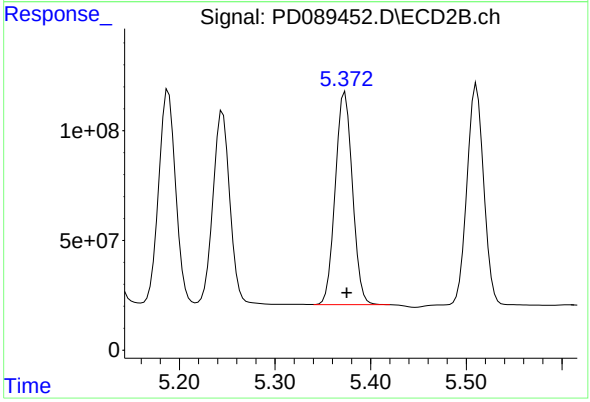
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1207850221
Conc: 52.75 ng/ml



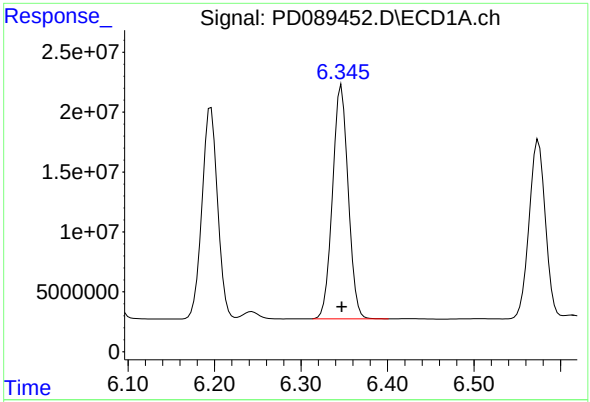
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 218999134
Conc: 50.22 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1210109711
Conc: 52.81 ng/ml



#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 244059811
Conc: 50.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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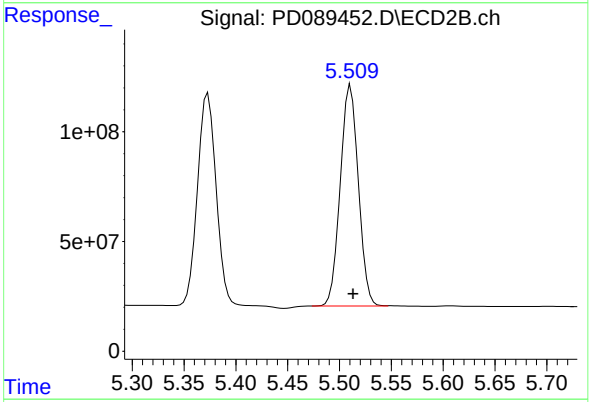
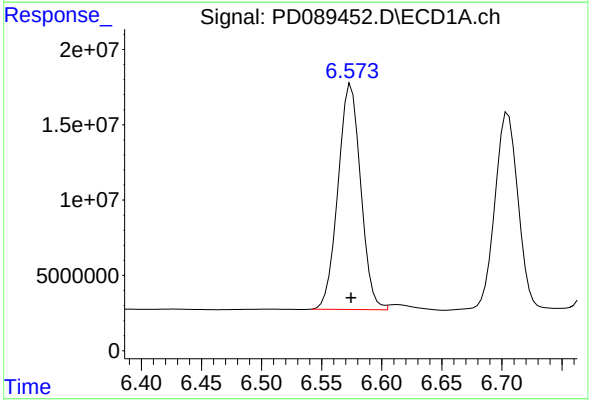


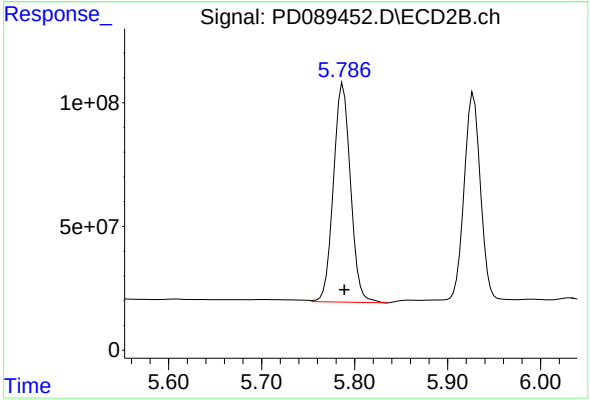
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.004 min
Response: 1224729472
Conc: 52.77 ng/ml m



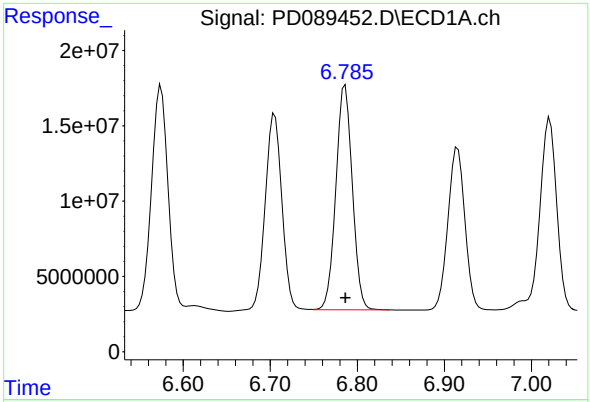
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 196886015
Conc: 47.72 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.002 min
Response: 1128464290
Conc: 51.97 ng/ml



#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 196042691
Conc: 48.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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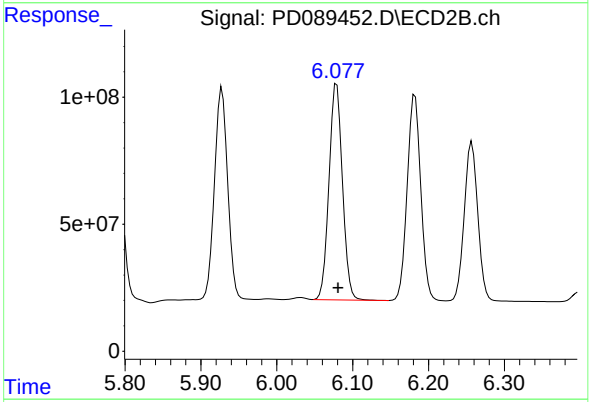
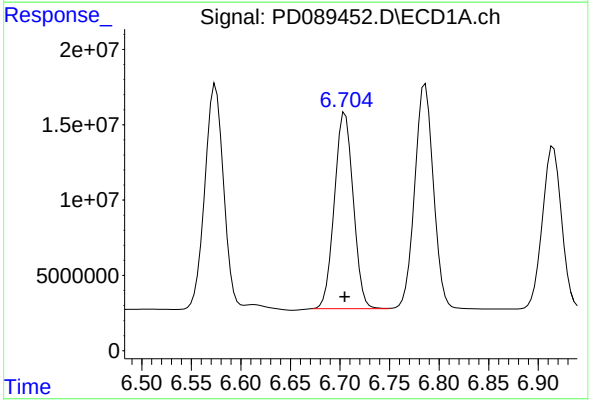


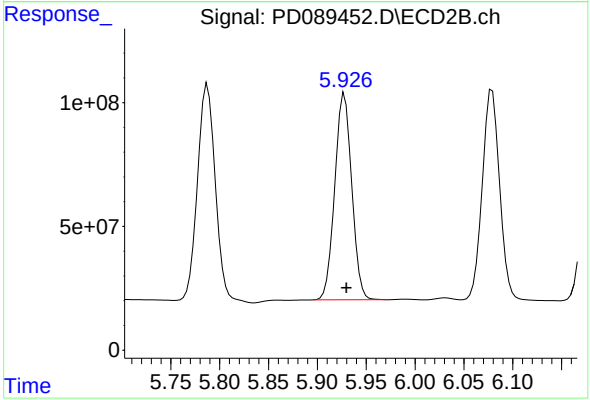
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 1049894168
Conc: 51.98 ng/ml



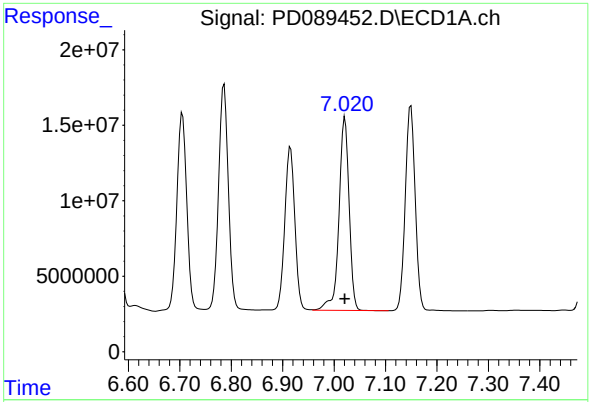
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 172373973
Conc: 50.22 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 1009541401
Conc: 52.77 ng/ml



#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 175671387
Conc: 46.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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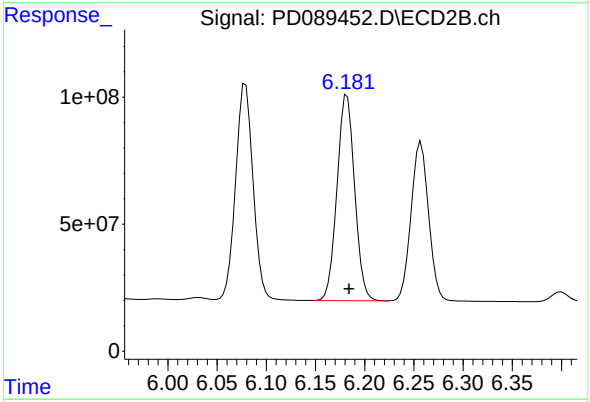
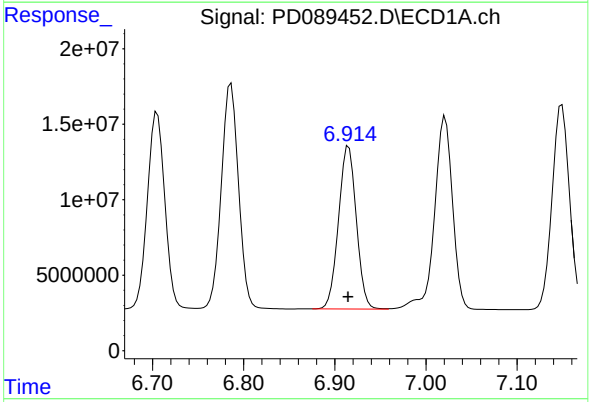


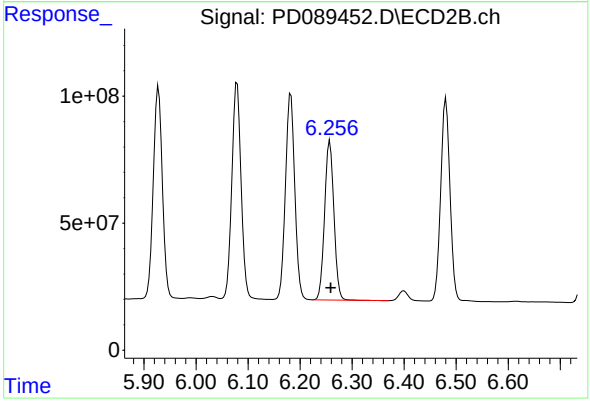
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1012263450
Conc: 49.92 ng/ml



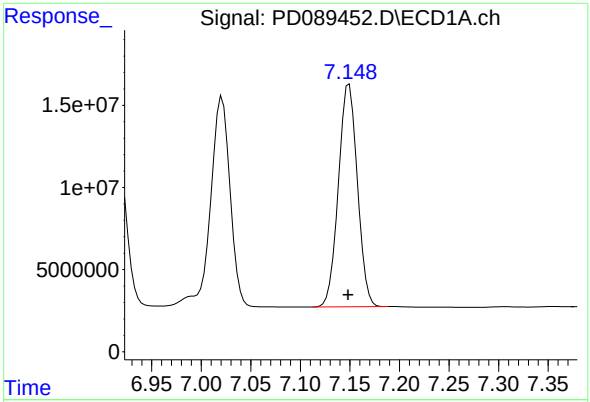
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 146389765
Conc: 47.78 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 780182106
Conc: 50.95 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.001 min
Response: 180713080
Conc: 47.09 ng/ml

Instrument :
ECD_D
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PSTDCCC050

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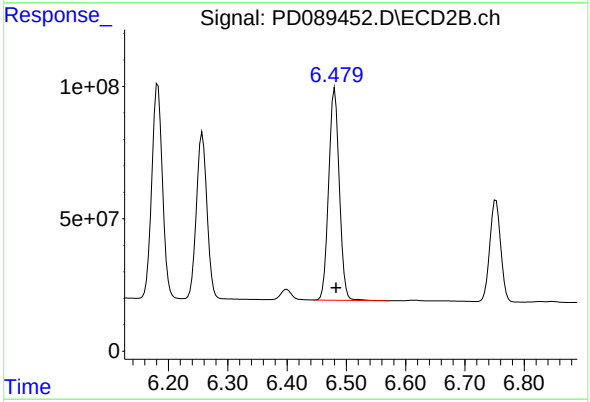
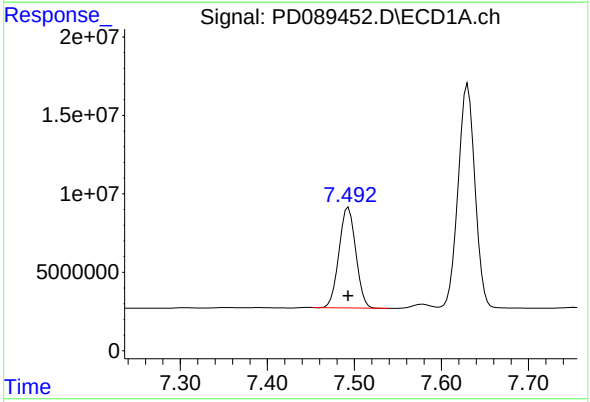


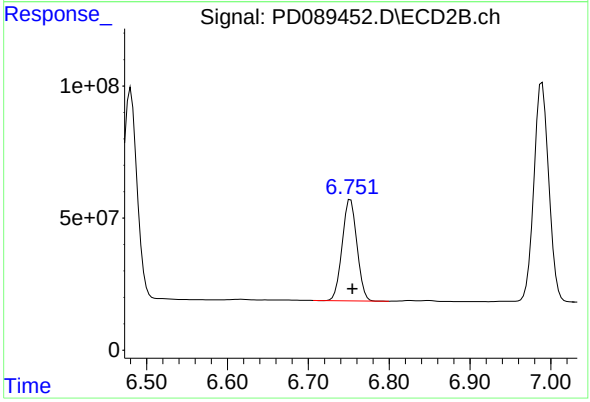
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 993939511
Conc: 50.66 ng/ml



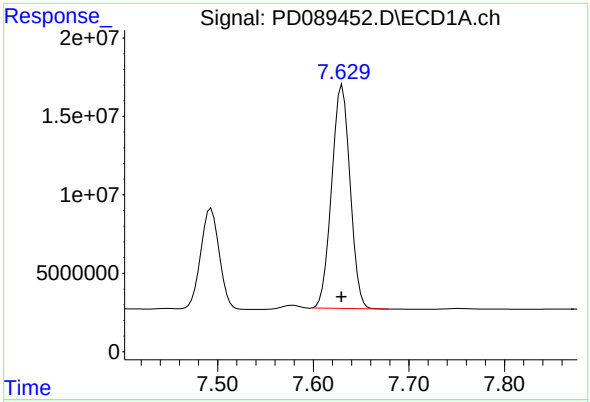
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 85801063
Conc: 42.46 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 486882409
Conc: 45.22 ng/ml



#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 190474871
Conc: 46.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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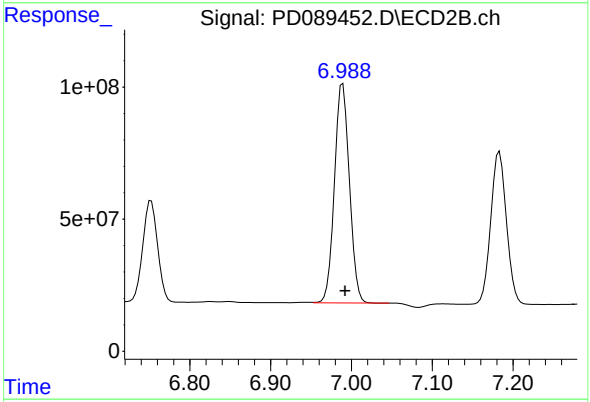
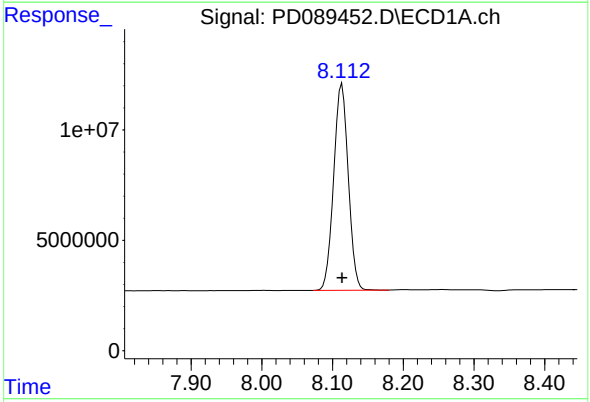


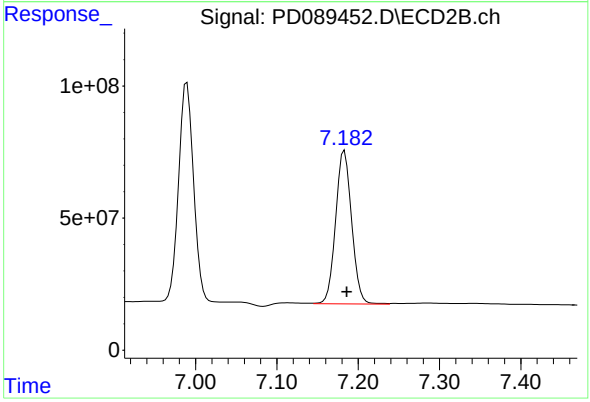
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1065636576
Conc: 49.33 ng/ml



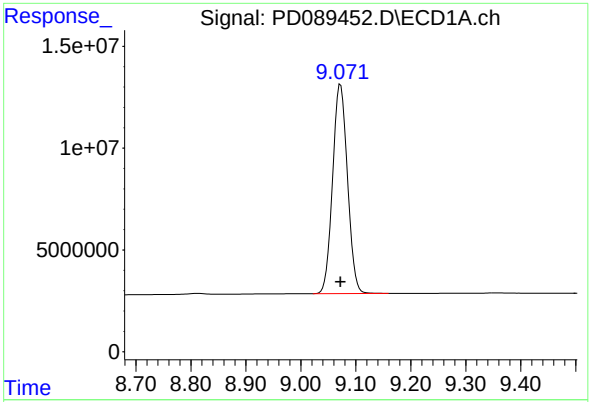
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 134190214
Conc: 44.14 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 791983684
Conc: 47.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 193083667
Conc: 49.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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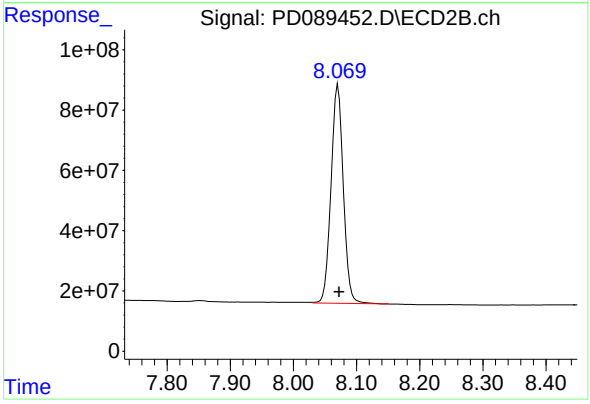

#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 982520438
Conc: 49.70 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 15:17 **Initial Calibration Time(s):** 15:52 16:47

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	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	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	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 15:17 **Initial Calibration Time(s):** 15:52 16:47

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	4.03	3.93	4.13	0.01
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	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
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	6.76	6.66	6.86	0.01
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	5.13	5.03	5.23	0.01

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/11/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089463.D **Time Analyzed:** 15:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	49.080	50.000	-1.8
4,4'-DDE	6.194	6.096	6.296	47.620	50.000	-4.8
4,4'-DDT	7.019	6.921	7.121	45.260	50.000	-9.5
Aldrin	5.270	5.171	5.371	50.640	50.000	1.3
alpha-BHC	3.999	3.899	4.099	52.190	50.000	4.4
alpha-Chlordane	6.026	5.927	6.127	48.330	50.000	-3.3
beta-BHC	4.515	4.415	4.615	49.430	50.000	-1.1
Decachlorobiphenyl	9.071	8.972	9.172	45.560	50.000	-8.9
delta-BHC	4.764	4.664	4.864	53.770	50.000	7.5
Dieldrin	6.346	6.247	6.447	48.490	50.000	-3.0
Endosulfan I	6.073	5.975	6.175	48.450	50.000	-3.1
Endosulfan II	6.785	6.686	6.886	48.270	50.000	-3.5
Endosulfan sulfate	7.148	7.049	7.249	46.450	50.000	-7.1
Endrin	6.573	6.475	6.675	47.030	50.000	-5.9
Endrin aldehyde	6.914	6.815	7.015	46.480	50.000	-7.0
Endrin ketone	7.629	7.530	7.730	45.220	50.000	-9.6
gamma-BHC (Lindane)	4.329	4.230	4.430	51.440	50.000	2.9
gamma-Chlordane	5.945	5.846	6.046	48.720	50.000	-2.6
Heptachlor	4.928	4.829	5.029	50.010	50.000	0.0
Heptachlor epoxide	5.689	5.591	5.791	49.770	50.000	-0.5
Methoxychlor	7.492	7.393	7.593	41.470	50.000	-17.1
Tetrachloro-m-xylene	3.550	3.450	3.650	51.860	50.000	3.7

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/11/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089463.D **Time Analyzed:** 15:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	50.390	50.000	0.8
4,4'-DDE	5.373	5.275	5.475	51.710	50.000	3.4
4,4'-DDT	6.181	6.084	6.284	47.040	50.000	-5.9
Aldrin	4.367	4.269	4.469	53.370	50.000	6.7
alpha-BHC	3.392	3.293	3.493	54.100	50.000	8.2
alpha-Chlordane	5.188	5.091	5.291	52.330	50.000	4.7
beta-BHC	4.024	3.926	4.126	52.330	50.000	4.7
Decachlorobiphenyl	8.070	7.972	8.172	43.570	50.000	-12.9
delta-BHC	4.261	4.162	4.362	53.400	50.000	6.8
Dieldrin	5.509	5.413	5.613	51.580	50.000	3.2
Endosulfan I	5.245	5.147	5.347	50.910	50.000	1.8
Endosulfan II	6.078	5.981	6.181	49.620	50.000	-0.8
Endosulfan sulfate	6.480	6.383	6.583	48.690	50.000	-2.6
Endrin	5.788	5.689	5.889	53.110	50.000	6.2
Endrin aldehyde	6.256	6.159	6.359	47.640	50.000	-4.7
Endrin ketone	6.989	6.892	7.092	46.060	50.000	-7.9
gamma-BHC (Lindane)	3.727	3.630	3.830	53.680	50.000	7.4
gamma-Chlordane	5.122	5.026	5.226	51.050	50.000	2.1
Heptachlor	4.081	3.983	4.183	51.710	50.000	3.4
Heptachlor epoxide	4.870	4.773	4.973	52.430	50.000	4.9
Methoxychlor	6.752	6.655	6.855	43.910	50.000	-12.2
Tetrachloro-m-xylene	2.881	2.780	2.980	55.440	50.000	10.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:53:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.881	148.0E6	939.8E6	51.862	55.436
28)	SA Decachlor...	9.071	8.070	178.9E6	861.4E6	45.558	43.570
	Target Compounds						
2)	A alpha-BHC	3.999	3.392	304.2E6	1449.8E6	52.185	54.103
3)	MA gamma-BHC...	4.329	3.727	287.1E6	1328.9E6	51.438	53.678m
4)	MA Heptachlor	4.928	4.081	272.7E6	1294.7E6	50.013	51.709
5)	MB Aldrin	5.270	4.367	269.0E6	1292.5E6	50.640	53.370
6)	B beta-BHC	4.515	4.024	109.1E6	562.4E6	49.426	52.332
7)	B delta-BHC	4.764	4.261	276.0E6	1328.3E6	53.774	53.401
8)	B Heptachlo...	5.689	4.870	240.1E6	1148.0E6	49.768	52.426m
9)	A Endosulfan I	6.073	5.245	218.4E6	1061.1E6	48.452	50.910
10)	B gamma-Chl...	5.945	5.122	233.3E6	1221.2E6	48.718	51.049m
11)	B alpha-Chl...	6.026	5.188	233.8E6	1198.2E6	48.329	52.328
12)	B 4,4'-DDE	6.194	5.373	207.7E6	1185.1E6	47.617	51.714
13)	MA Dieldrin	6.346	5.509	232.6E6	1197.1E6	48.490	51.581m
14)	MA Endrin	6.573	5.788	194.0E6	1153.1E6	47.029	53.106
15)	B Endosulfa...	6.785	6.078	194.8E6	1002.1E6	48.270	49.618
16)	A 4,4'-DDD	6.704	5.928	168.4E6	964.0E6	49.080	50.394
17)	MA 4,4'-DDT	7.019	6.181	171.4E6	954.0E6	45.259	47.042
18)	B Endrin al...	6.914	6.256	142.4E6	729.4E6	46.481	47.637
19)	B Endosulfa...	7.148	6.480	178.3E6	955.3E6	46.453	48.687
20)	A Methoxychlor	7.492	6.752	83792400	472.8E6	41.469	43.909
21)	B Endrin ke...	7.629	6.989	184.2E6	995.0E6	45.216	46.060
22)	Mirex	8.112	7.183	130.5E6	733.3E6	42.926	43.969

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

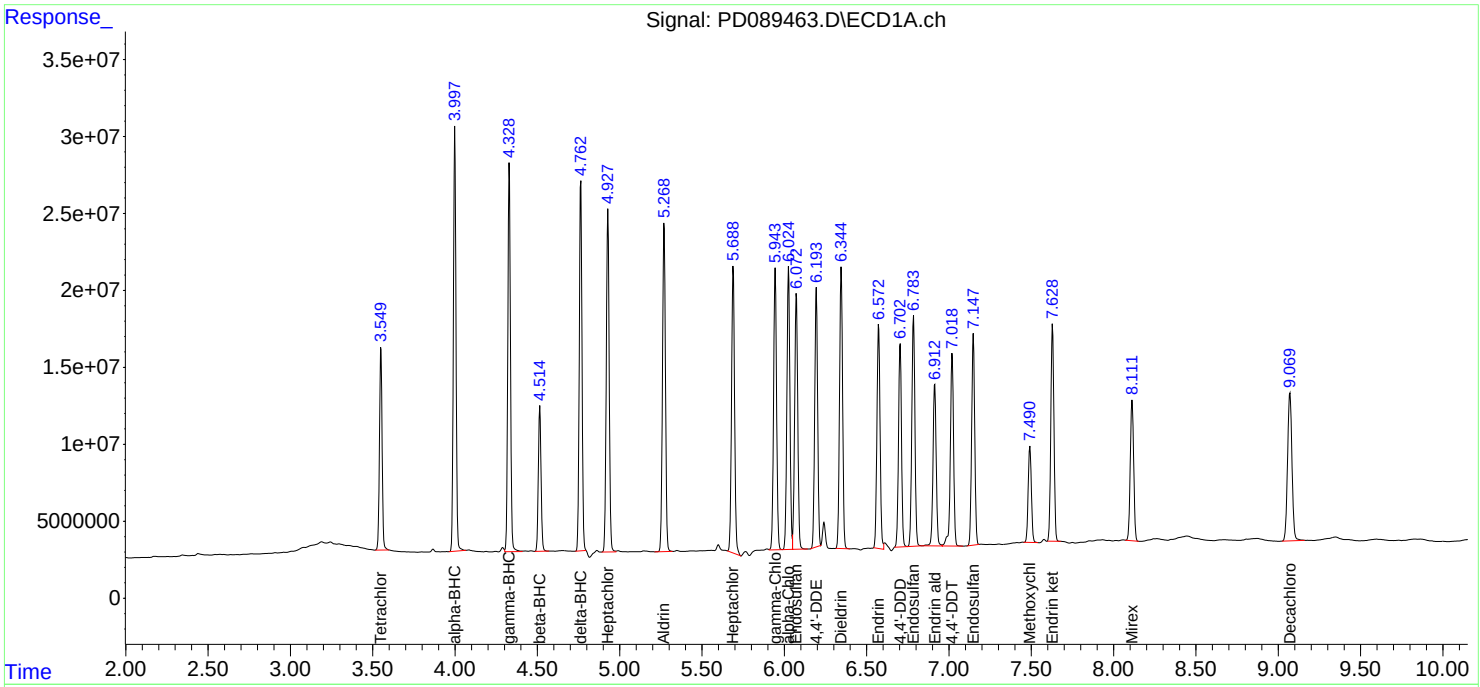
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

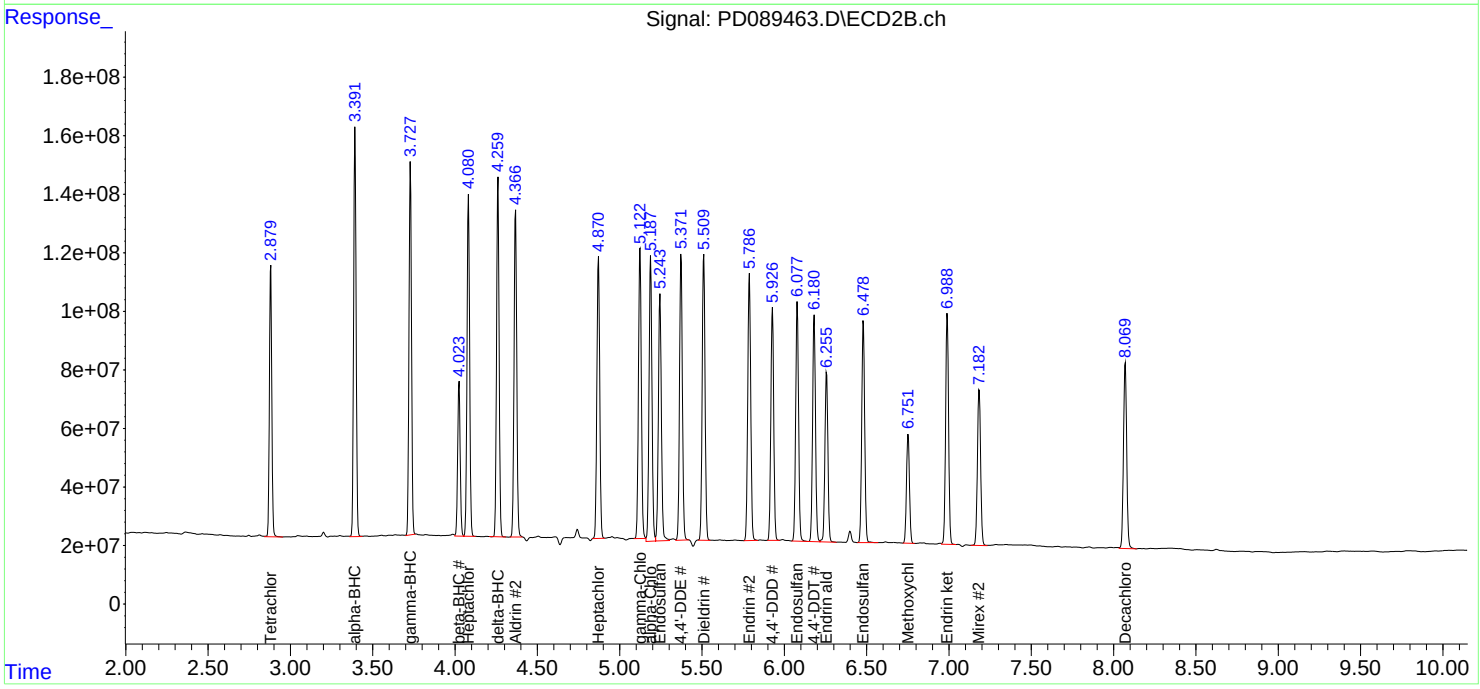
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

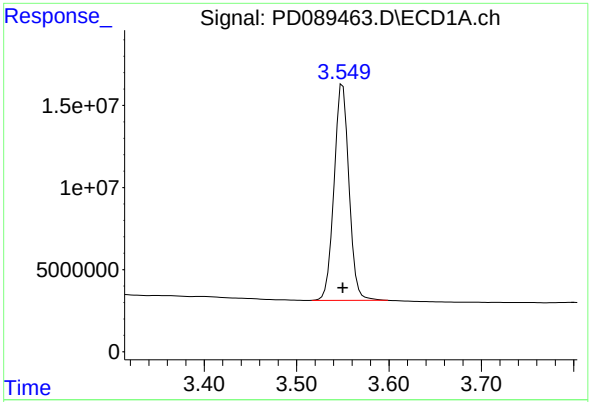
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:53:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







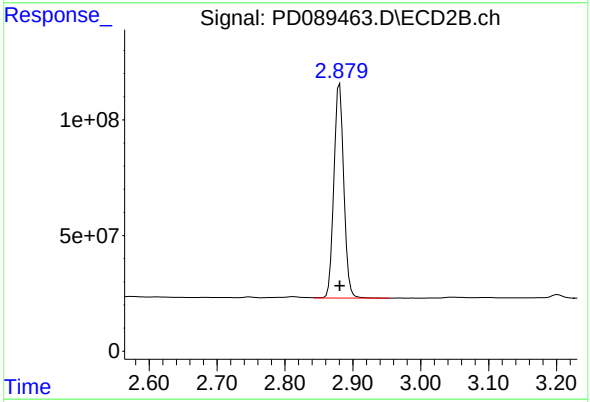
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 147968170
Conc: 51.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

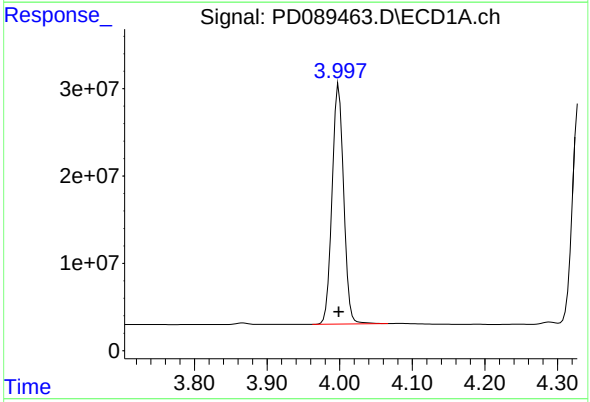
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



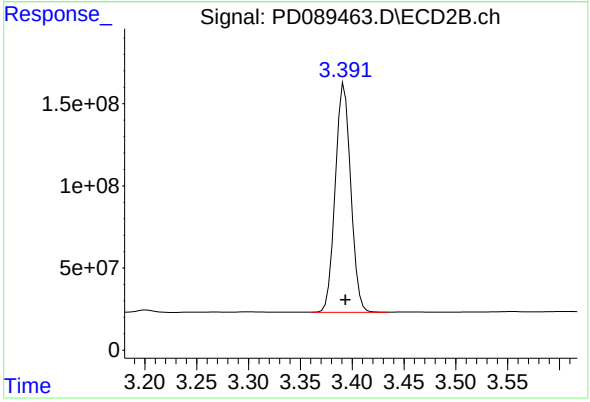
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 939816648
Conc: 55.44 ng/ml



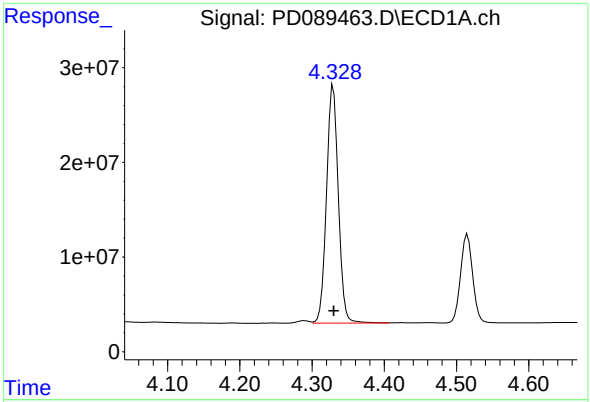
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 304192897
Conc: 52.19 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 1449791528
Conc: 54.10 ng/ml



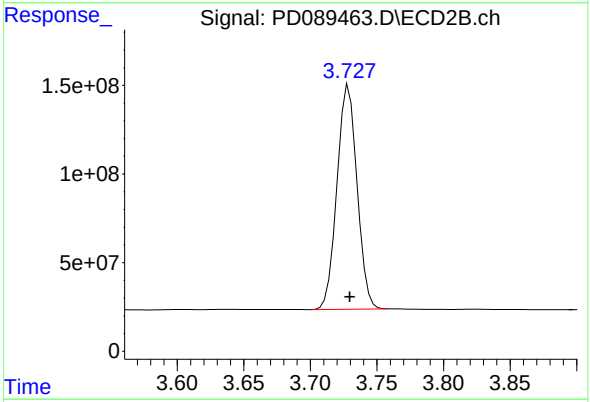
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 287113227
Conc: 51.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

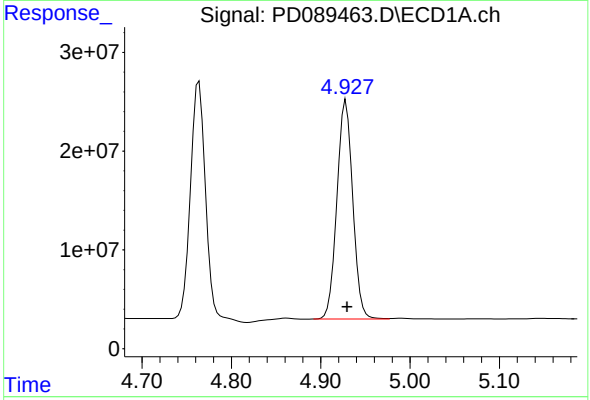
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



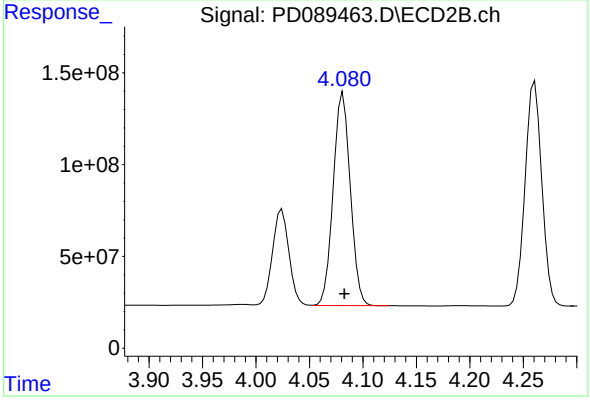
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.002 min
Response: 1328913099
Conc: 53.68 ng/ml m



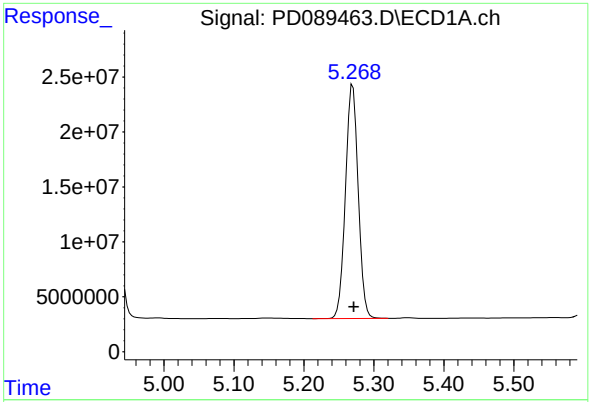
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 272666654
Conc: 50.01 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.001 min
Response: 1294702074
Conc: 51.71 ng/ml



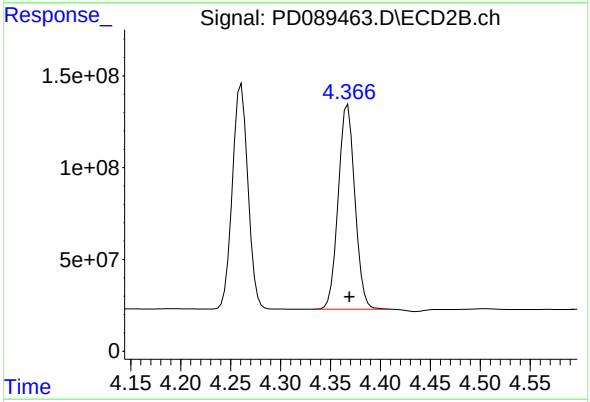
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 269048768
Conc: 50.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

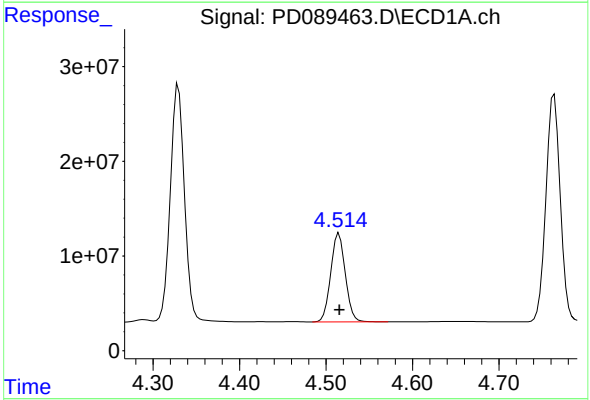
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



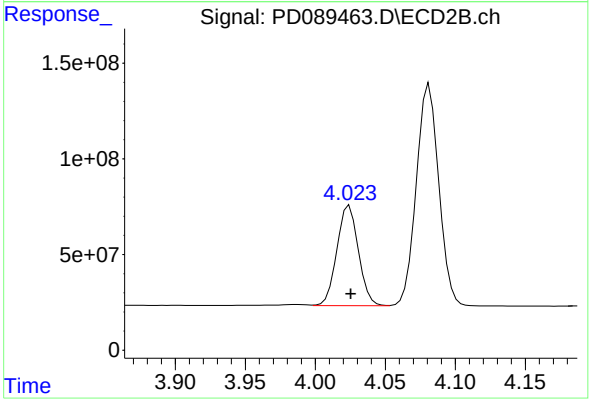
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.001 min
Response: 1292477412
Conc: 53.37 ng/ml



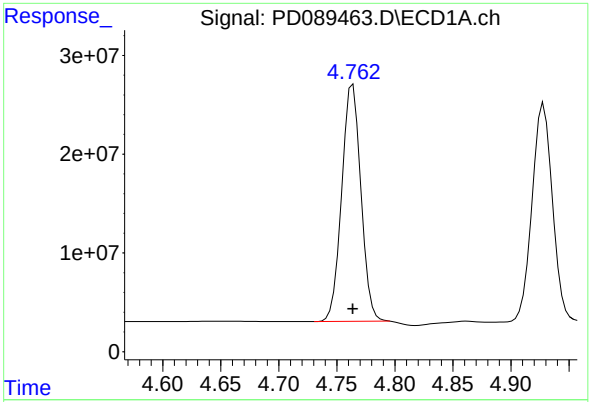
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 109090634
Conc: 49.43 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 562372417
Conc: 52.33 ng/ml



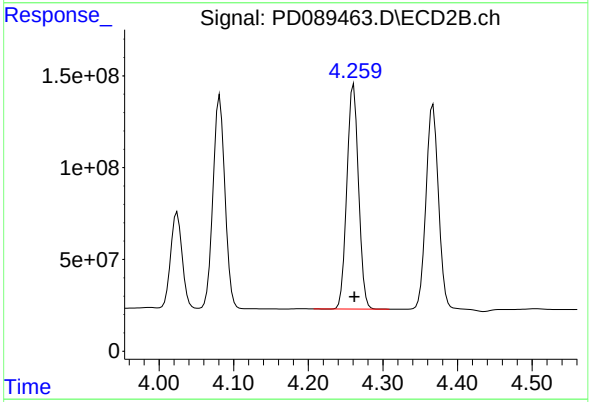
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 276016019
Conc: 53.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

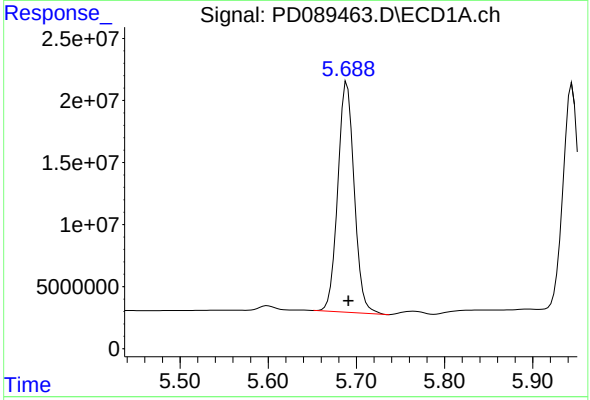
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



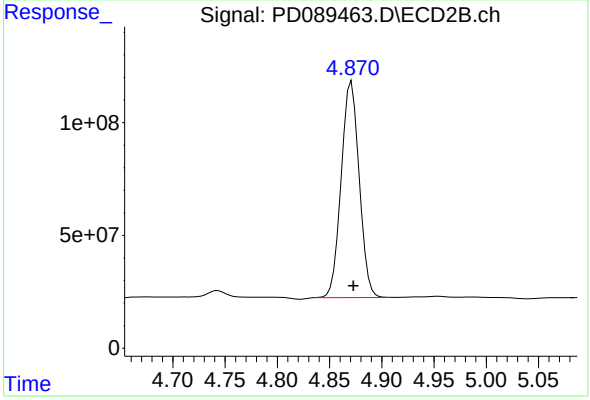
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1328265827
Conc: 53.40 ng/ml



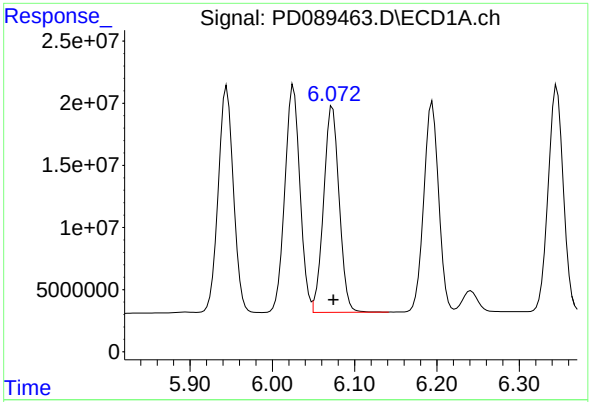
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.001 min
Response: 240075429
Conc: 49.77 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.003 min
Response: 1148031189
Conc: 52.43 ng/ml m



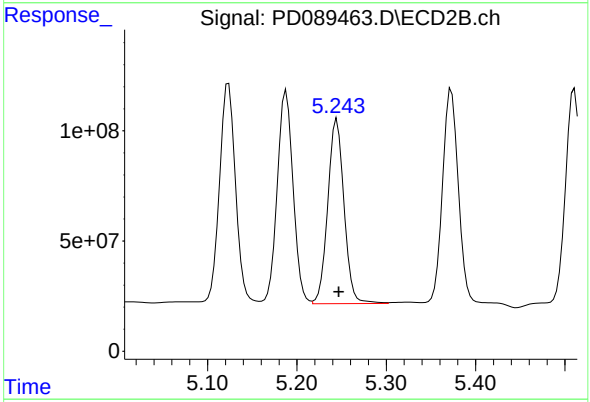
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.001 min
Response: 218396827
Conc: 48.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

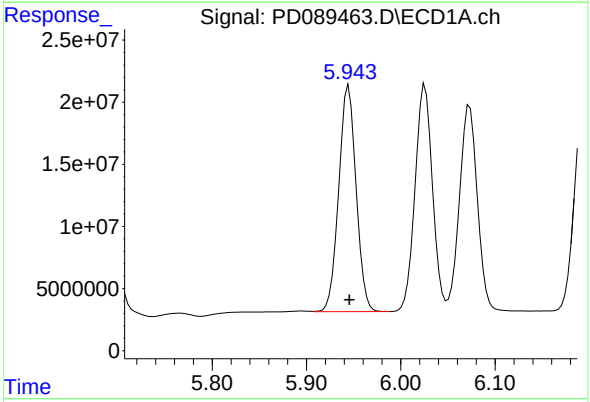
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



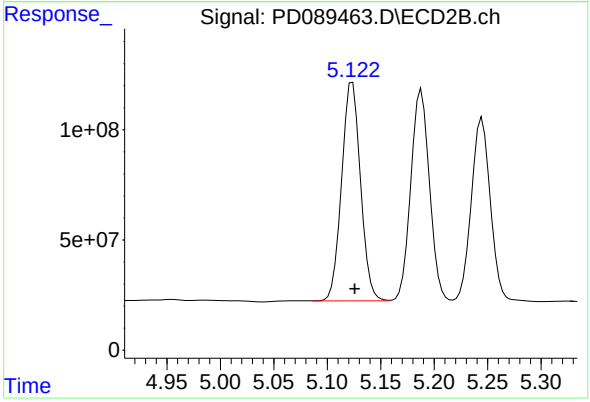
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1061089304
Conc: 50.91 ng/ml



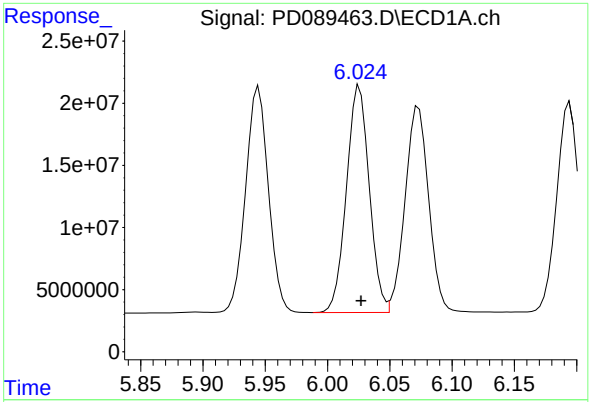
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 233267748
Conc: 48.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: -0.004 min
Response: 1221235027
Conc: 51.05 ng/ml m



#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 233840521
Conc: 48.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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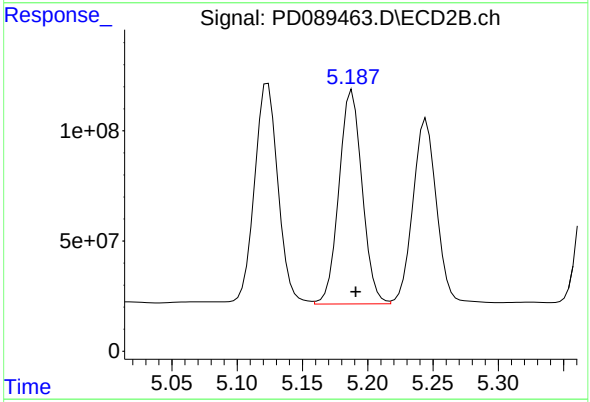
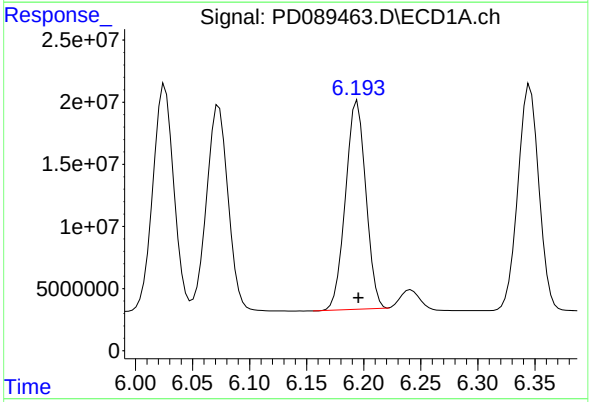


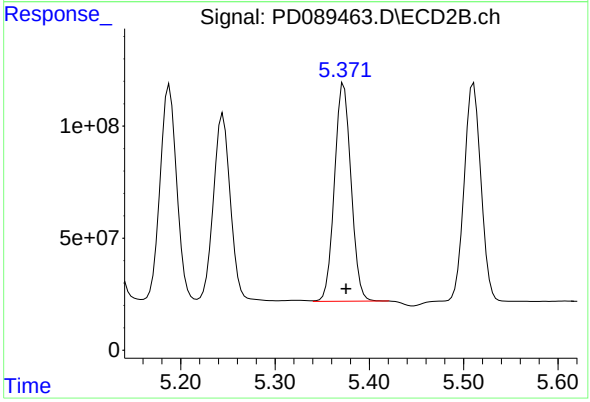
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1198154633
Conc: 52.33 ng/ml



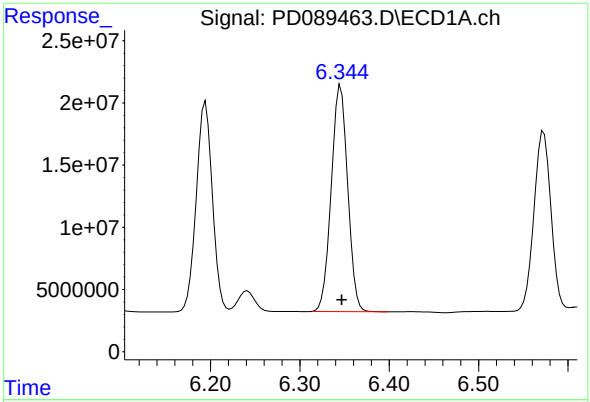
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 207660980
Conc: 47.62 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1185083266
Conc: 51.71 ng/ml



#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 232627483
Conc: 48.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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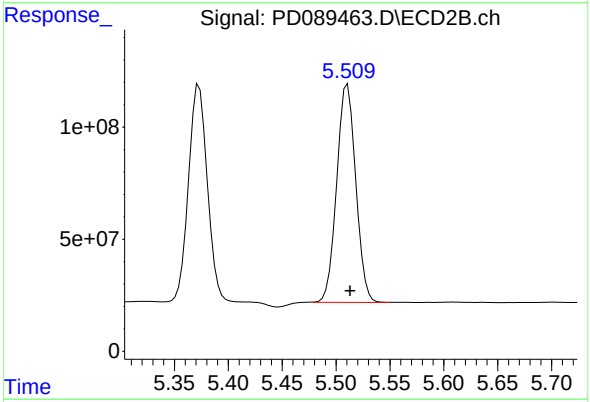
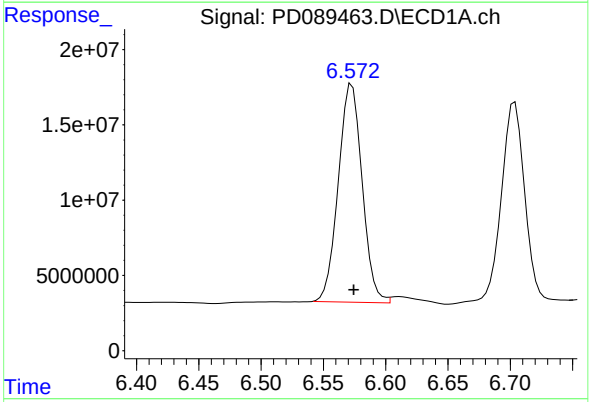
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



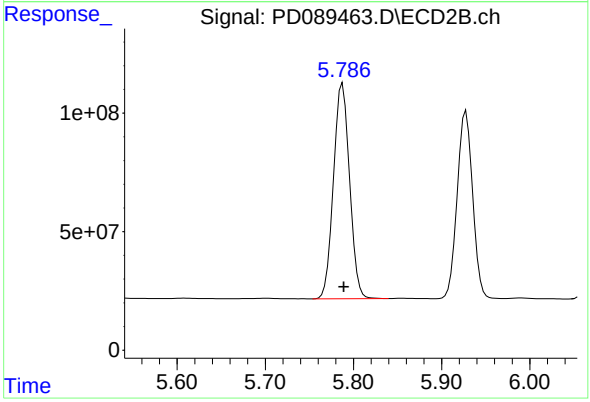
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.004 min
Response: 1197110621
Conc: 51.58 ng/ml m



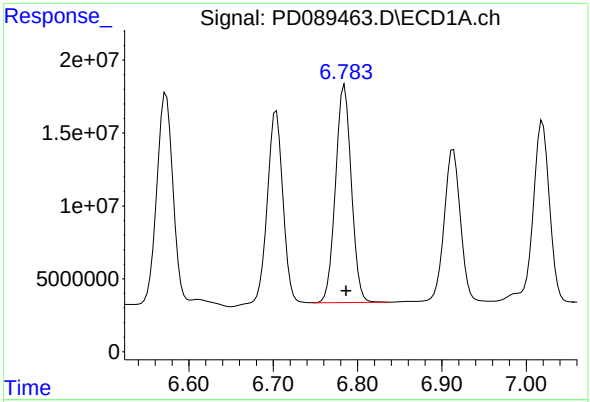
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 194020952
Conc: 47.03 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1153144335
Conc: 53.11 ng/ml



#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.002 min
Response: 194846598
Conc: 48.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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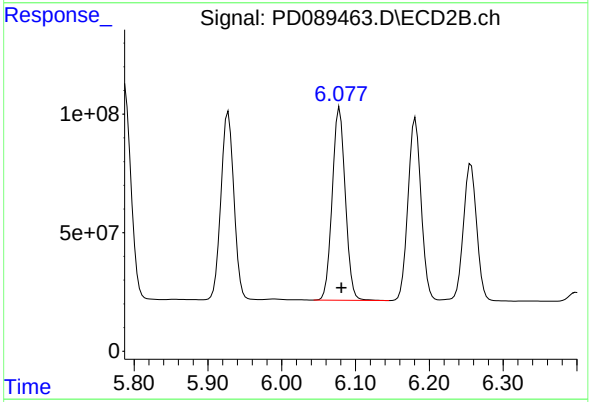
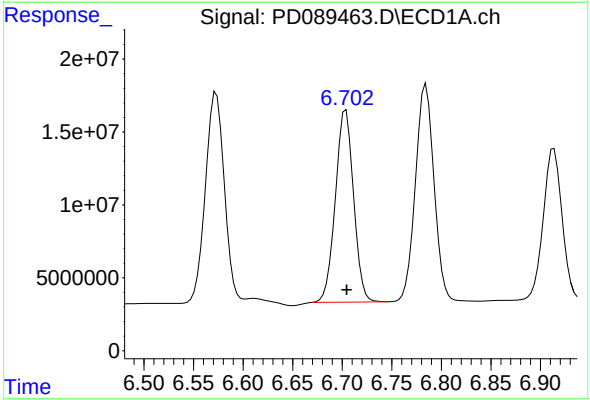


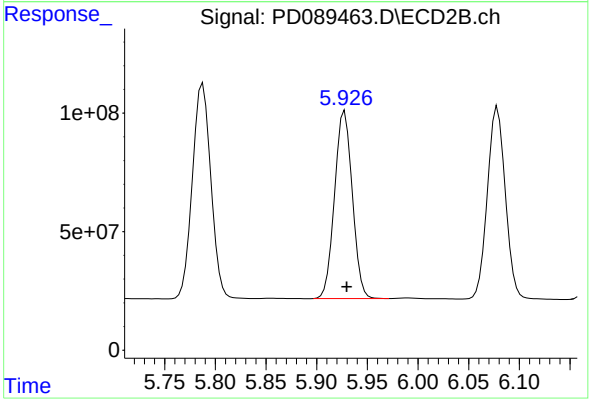
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 1002109512
Conc: 49.62 ng/ml



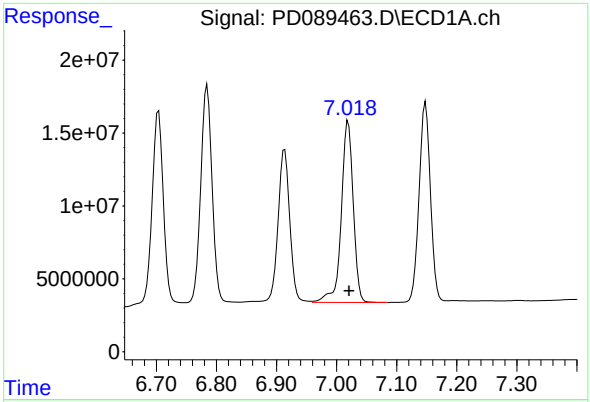
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 168446420
Conc: 49.08 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 964007925
Conc: 50.39 ng/ml



#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 171449544
Conc: 45.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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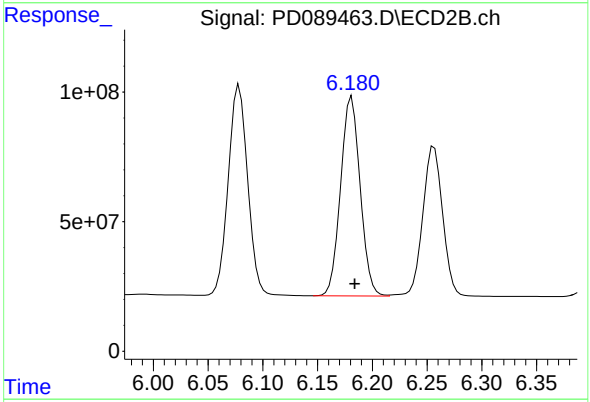
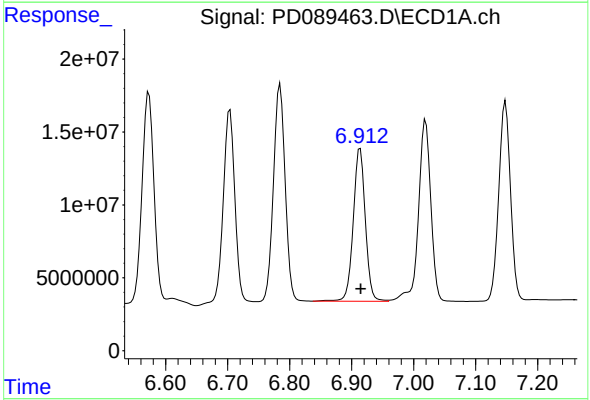
Supervised By :mohammad ahmed 07/15/2025



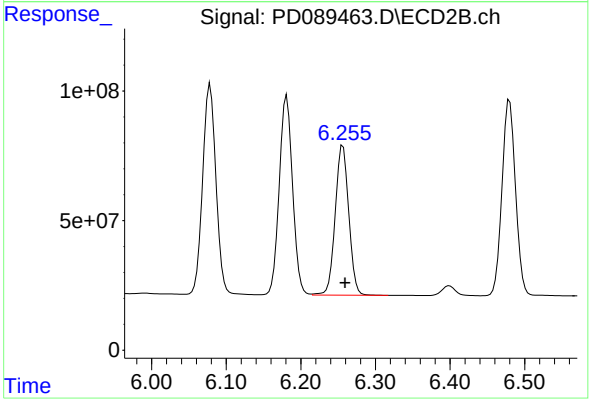
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 953971563
Conc: 47.04 ng/ml



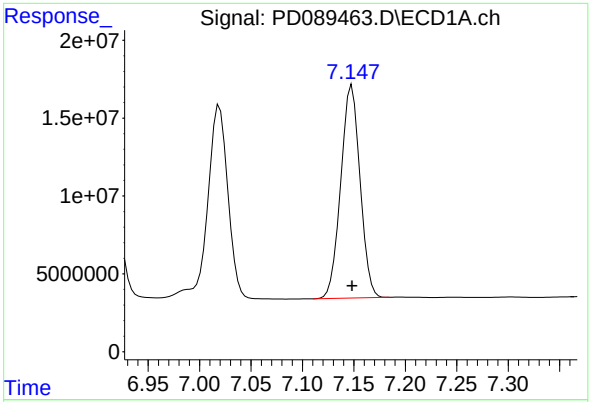
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.001 min
Response: 142415878
Conc: 46.48 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 729382715
Conc: 47.64 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 178250109
Conc: 46.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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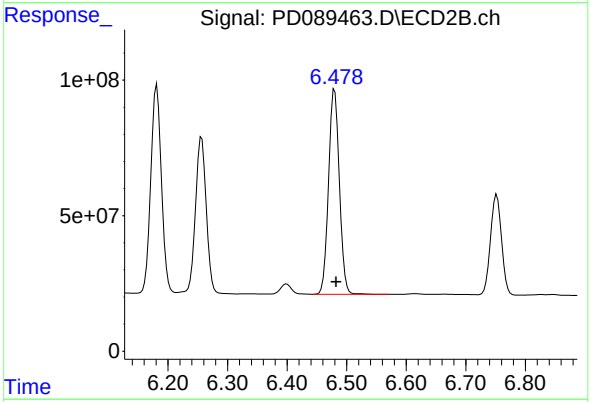
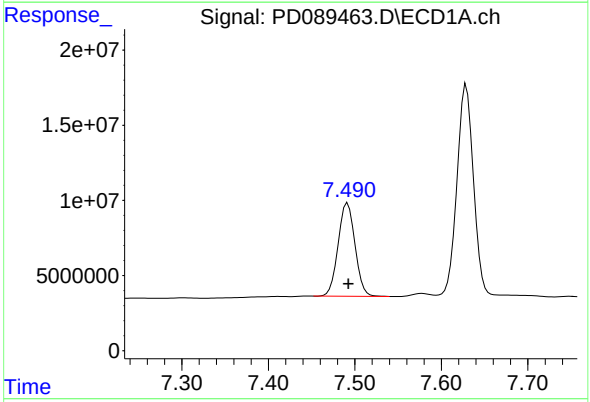
Supervised By :mohammad ahmed 07/15/2025



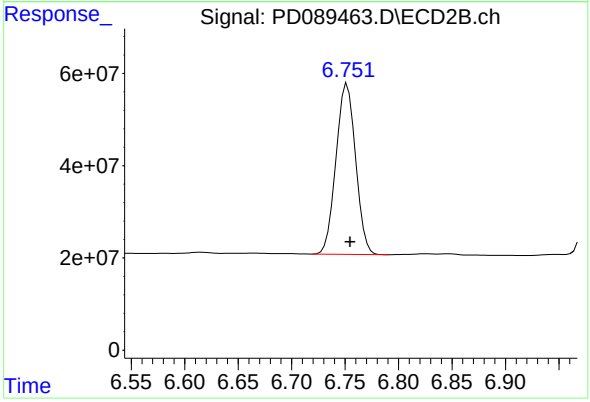
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.003 min
Response: 955294533
Conc: 48.69 ng/ml



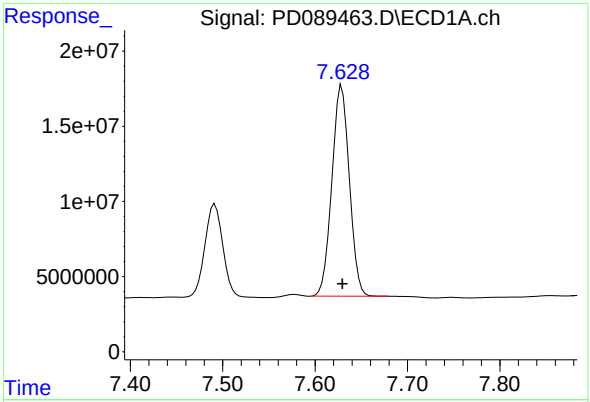
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.001 min
Response: 83792400
Conc: 41.47 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 472815496
Conc: 43.91 ng/ml



#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 184166850
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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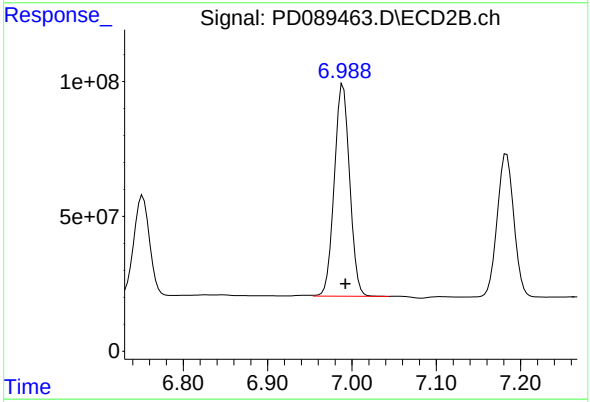
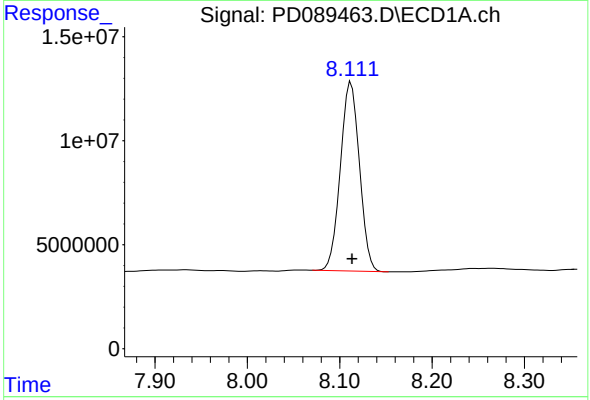


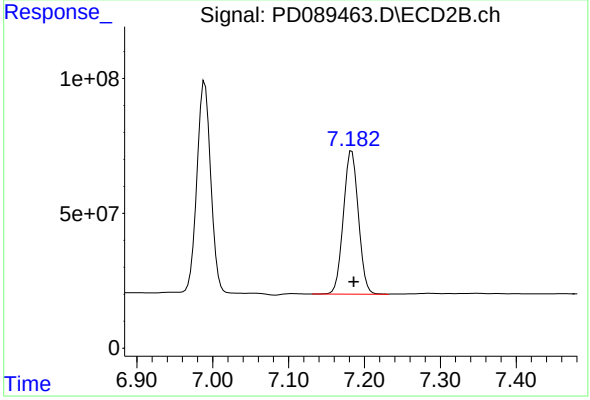
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 994985950
Conc: 46.06 ng/ml



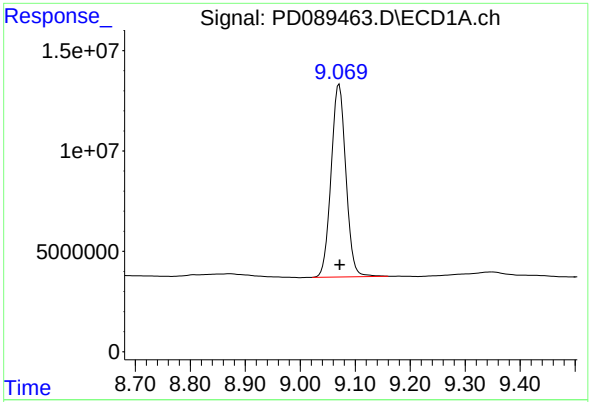
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.001 min
Response: 130502384
Conc: 42.93 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.002 min
Response: 733326756
Conc: 43.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 178936691
Conc: 45.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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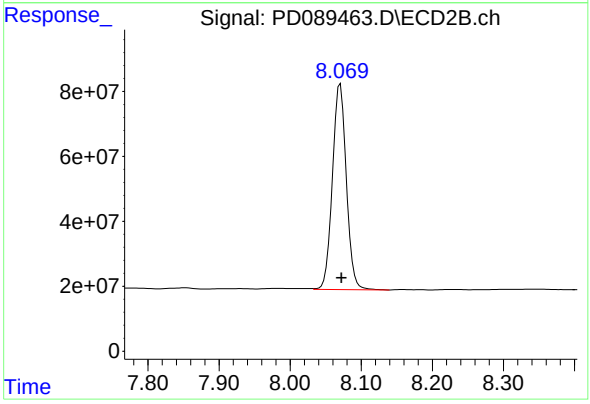

#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 861370503
Conc: 43.57 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:58 **Initial Calibration Time(s):** 15:52 16:47

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	4.52	4.42	4.62	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	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:58 **Initial Calibration Time(s):** 15:52 16:47

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	4.03	3.93	4.13	0.01
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	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
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	6.76	6.66	6.86	0.01
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	5.13	5.03	5.23	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089481.D **Time Analyzed:** 16:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.605	6.805	54.910	50.000	9.8
4,4'-DDE	6.195	6.096	6.296	53.620	50.000	7.2
4,4'-DDT	7.020	6.921	7.121	49.030	50.000	-1.9
Aldrin	5.270	5.171	5.371	54.520	50.000	9.0
alpha-BHC	3.999	3.899	4.099	55.720	50.000	11.4
alpha-Chlordane	6.027	5.927	6.127	53.490	50.000	7.0
beta-BHC	4.516	4.415	4.615	53.010	50.000	6.0
Decachlorobiphenyl	9.072	8.972	9.172	47.150	50.000	-5.7
delta-BHC	4.764	4.664	4.864	57.860	50.000	15.7
Dieldrin	6.346	6.247	6.447	53.790	50.000	7.6
Endosulfan I	6.074	5.975	6.175	53.260	50.000	6.5
Endosulfan II	6.786	6.686	6.886	53.800	50.000	7.6
Endosulfan sulfate	7.149	7.049	7.249	52.140	50.000	4.3
Endrin	6.574	6.475	6.675	49.300	50.000	-1.4
Endrin aldehyde	6.915	6.815	7.015	51.510	50.000	3.0
Endrin ketone	7.629	7.530	7.730	53.280	50.000	6.6
gamma-BHC (Lindane)	4.330	4.230	4.430	55.060	50.000	10.1
gamma-Chlordane	5.945	5.846	6.046	54.020	50.000	8.0
Heptachlor	4.929	4.829	5.029	53.620	50.000	7.2
Heptachlor epoxide	5.690	5.591	5.791	52.880	50.000	5.8
Methoxychlor	7.492	7.393	7.593	46.030	50.000	-7.9
Tetrachloro-m-xylene	3.550	3.450	3.650	52.870	50.000	5.7

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089481.D **Time Analyzed:** 16:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.830	6.030	56.870	50.000	13.7
4,4'-DDE	5.372	5.275	5.475	55.700	50.000	11.4
4,4'-DDT	6.181	6.084	6.284	51.570	50.000	3.1
Aldrin	4.367	4.269	4.469	56.280	50.000	12.6
alpha-BHC	3.392	3.293	3.493	56.730	50.000	13.5
alpha-Chlordane	5.188	5.091	5.291	55.530	50.000	11.1
beta-BHC	4.024	3.926	4.126	55.450	50.000	10.9
Decachlorobiphenyl	8.071	7.972	8.172	51.610	50.000	3.2
delta-BHC	4.260	4.162	4.362	56.200	50.000	12.4
Dieldrin	5.510	5.413	5.613	55.410	50.000	10.8
Endosulfan I	5.245	5.147	5.347	56.380	50.000	12.8
Endosulfan II	6.078	5.981	6.181	55.080	50.000	10.2
Endosulfan sulfate	6.480	6.383	6.583	54.930	50.000	9.9
Endrin	5.787	5.689	5.889	50.660	50.000	1.3
Endrin aldehyde	6.257	6.159	6.359	53.990	50.000	8.0
Endrin ketone	6.989	6.892	7.092	56.310	50.000	12.6
gamma-BHC (Lindane)	3.728	3.630	3.830	55.710	50.000	11.4
gamma-Chlordane	5.123	5.026	5.226	55.660	50.000	11.3
Heptachlor	4.081	3.983	4.183	54.030	50.000	8.1
Heptachlor epoxide	4.870	4.773	4.973	56.670	50.000	13.3
Methoxychlor	6.752	6.655	6.855	49.060	50.000	-1.9
Tetrachloro-m-xylene	2.880	2.780	2.980	55.790	50.000	11.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:58
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: Jul 15 08:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	150.8E6	945.8E6	52.865	55.789
28)	SA Decachlor...	9.072	8.071	185.2E6	1020.3E6	47.149	51.611
	Target Compounds						
2)	A alpha-BHC	3.999	3.392	324.8E6	1520.1E6	55.719	56.727
3)	MA gamma-BHC...	4.330	3.728	307.3E6	1379.2E6	55.058	55.708
4)	MA Heptachlor	4.929	4.081	292.3E6	1352.8E6	53.618	54.028
5)	MB Aldrin	5.270	4.367	289.7E6	1362.9E6	54.524	56.277
6)	B beta-BHC	4.516	4.024	117.0E6	595.8E6	53.007	55.445
7)	B delta-BHC	4.764	4.260	297.0E6	1398.0E6	57.863	56.203
8)	B Heptachlo...	5.690	4.870	255.1E6	1240.9E6	52.883	56.669
9)	A Endosulfan I	6.074	5.245	240.1E6	1175.2E6	53.257	56.384
10)	B gamma-Chl...	5.945	5.123	258.7E6	1331.4E6	54.022	55.655
11)	B alpha-Chl...	6.027	5.188	258.8E6	1271.5E6	53.490	55.530
12)	B 4,4'-DDE	6.195	5.372	233.9E6	1276.5E6	53.623	55.703
13)	MA Dieldrin	6.346	5.510	258.1E6	1286.1E6	53.793	55.414
14)	MA Endrin	6.574	5.787	203.4E6	1100.1E6	49.299	50.662
15)	B Endosulfa...	6.786	6.078	217.2E6	1112.4E6	53.796	55.079
16)	A 4,4'-DDD	6.705	5.927	188.5E6	1087.9E6	54.914	56.870
17)	MA 4,4'-DDT	7.020	6.181	185.7E6	1045.7E6	49.027	51.567
18)	B Endrin al...	6.915	6.257	157.8E6	826.6E6	51.511	53.988
19)	B Endosulfa...	7.149	6.480	200.1E6	1077.9E6	52.143	54.934
20)	A Methoxychlor	7.492	6.752	93000192	528.3E6	46.025	49.057
21)	B Endrin ke...	7.629	6.989	217.0E6	1216.4E6	53.277	56.309
22)	Mirex	8.113	7.184	153.4E6	893.8E6	50.460	53.590

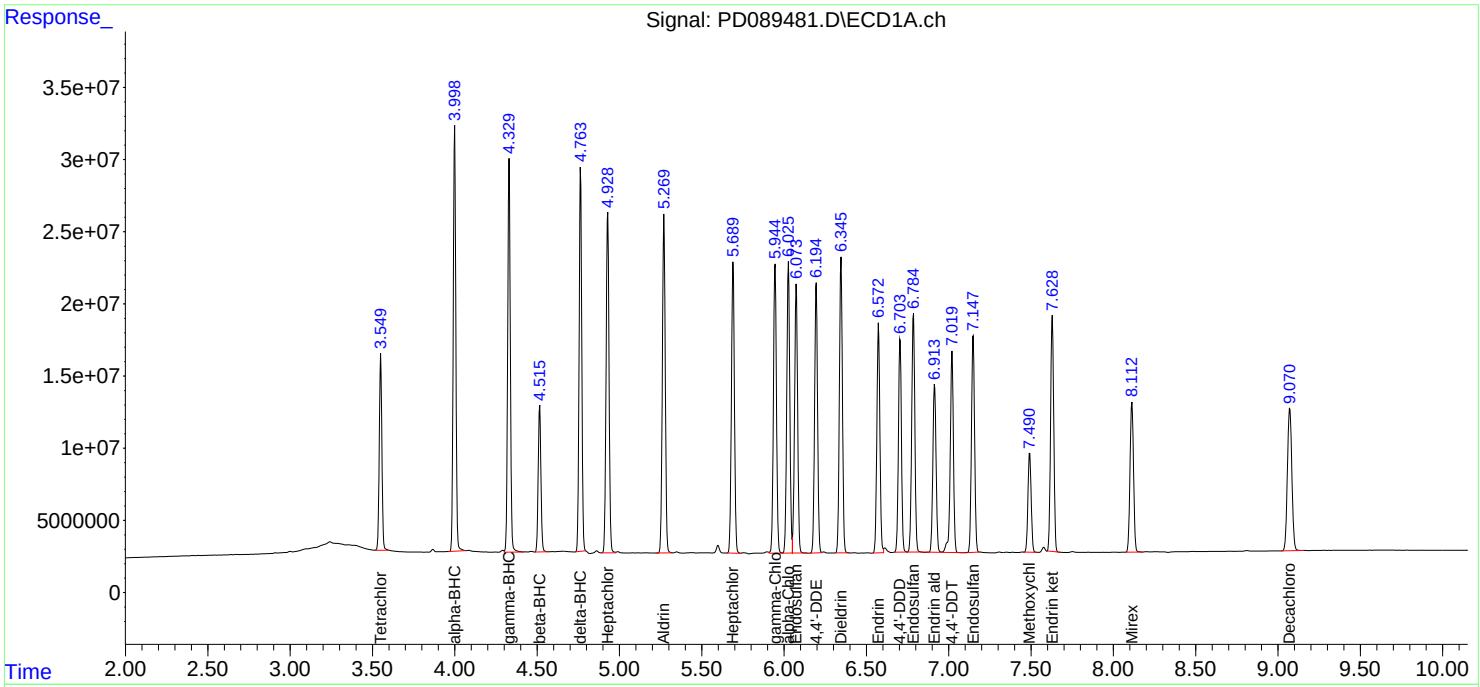
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

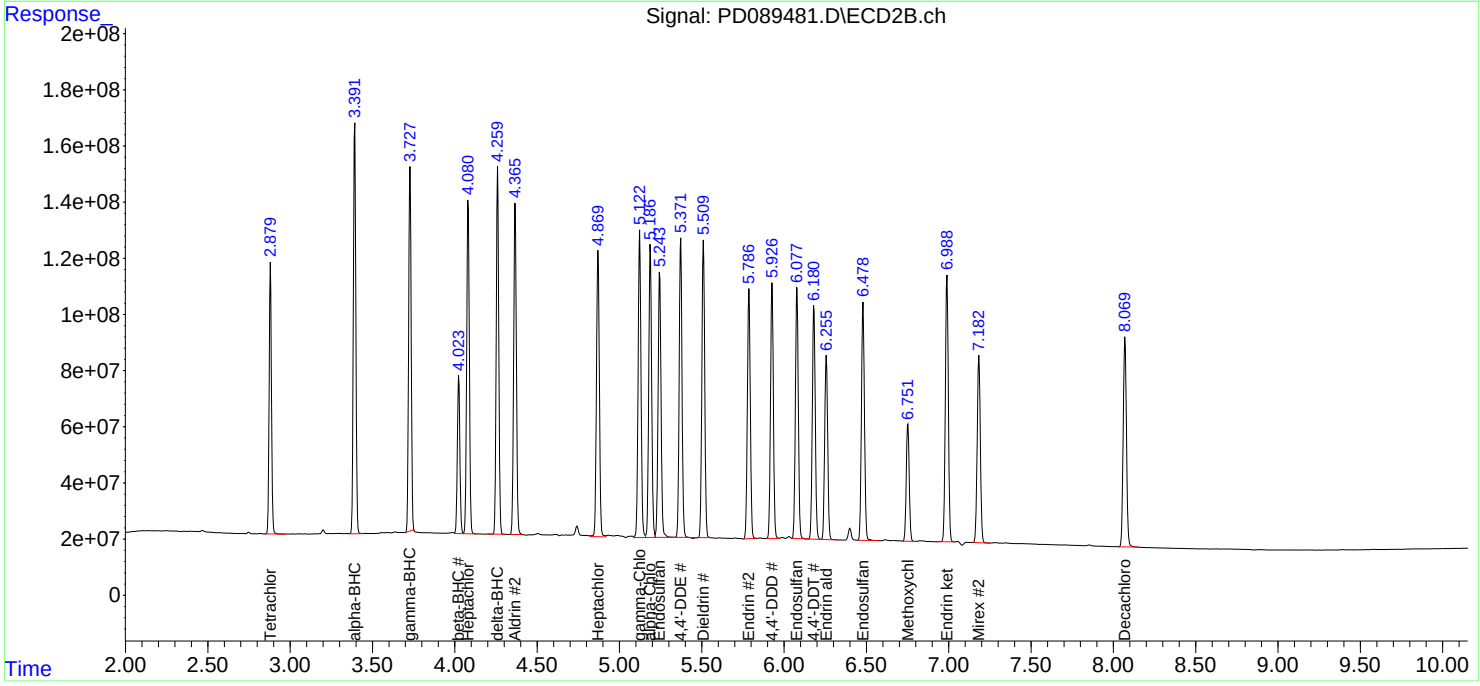
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

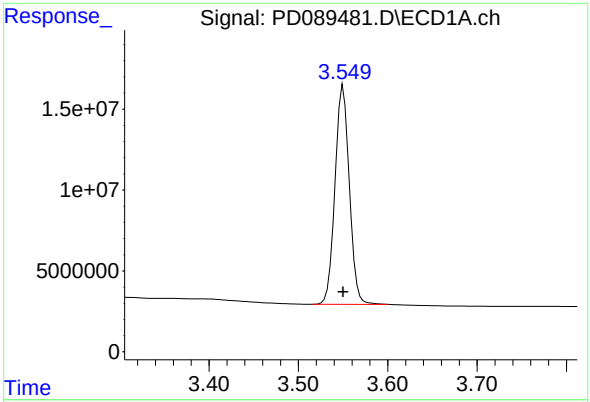
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



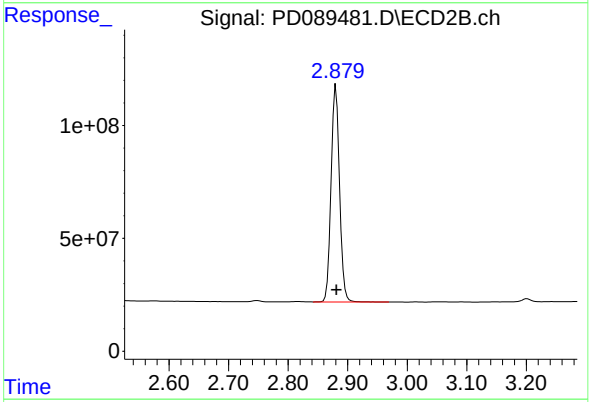




#1 Tetrachloro-m-xylene

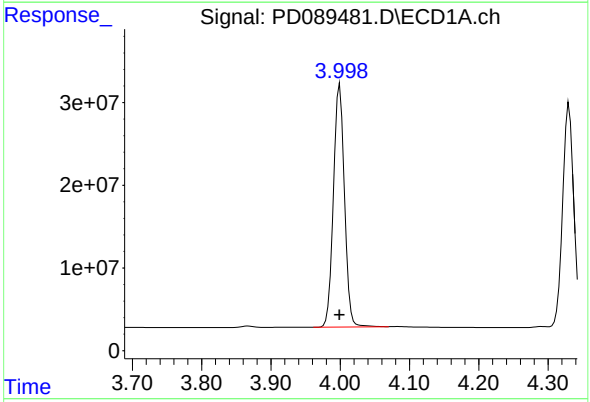
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 150830826
Conc: 52.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



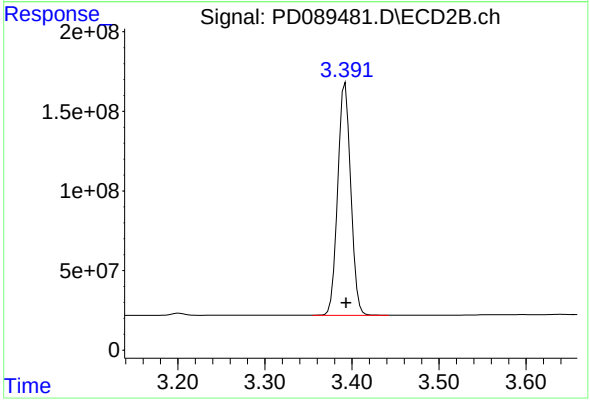
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 945801551
Conc: 55.79 ng/ml



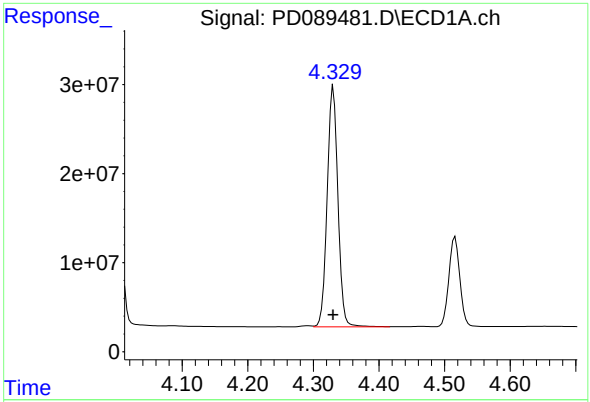
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 324792229
Conc: 55.72 ng/ml



#2 alpha-BHC

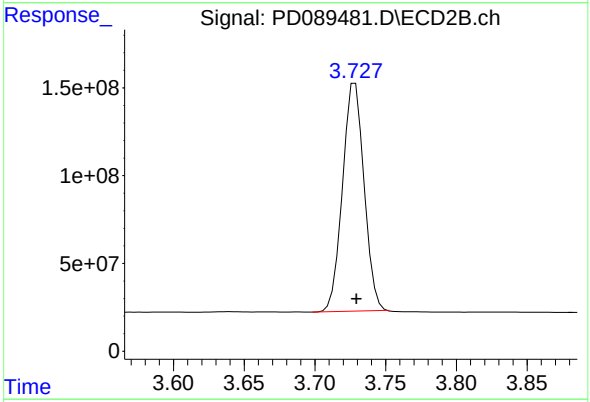
R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 1520126544
Conc: 56.73 ng/ml



#3 gamma-BHC (Lindane)

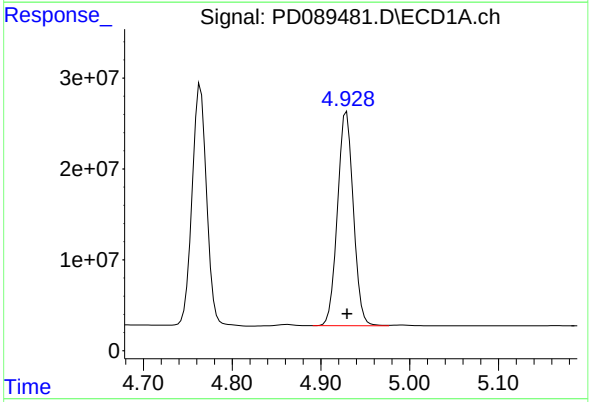
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 307318438
Conc: 55.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



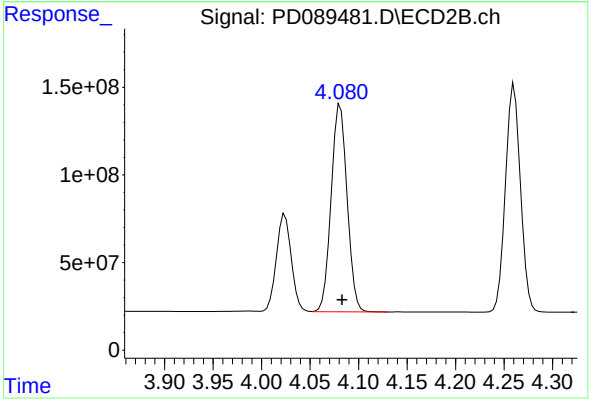
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 1379156781
Conc: 55.71 ng/ml



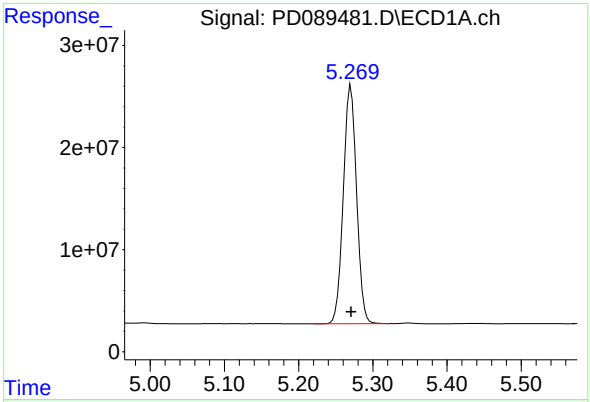
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 292322264
Conc: 53.62 ng/ml



#4 Heptachlor

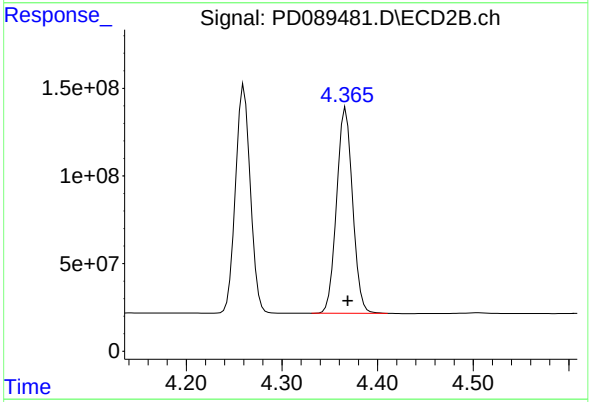
R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1352769094
Conc: 54.03 ng/ml



#5 Aldrin

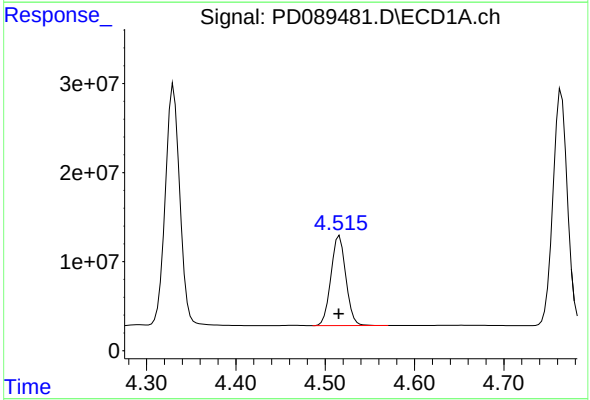
R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 289684648
Conc: 54.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



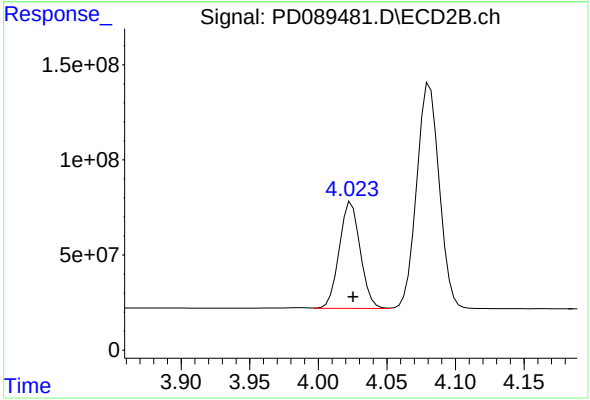
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1362865453
Conc: 56.28 ng/ml



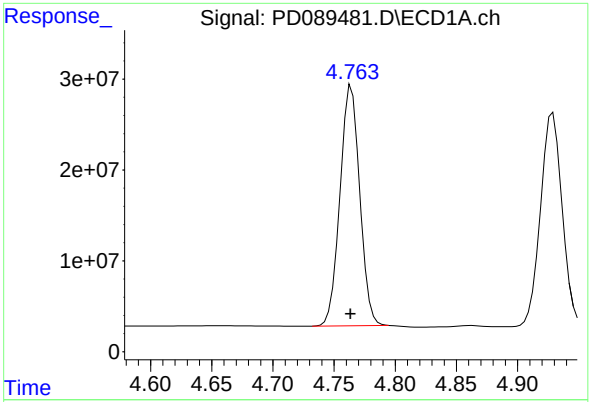
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 116992833
Conc: 53.01 ng/ml



#6 beta-BHC

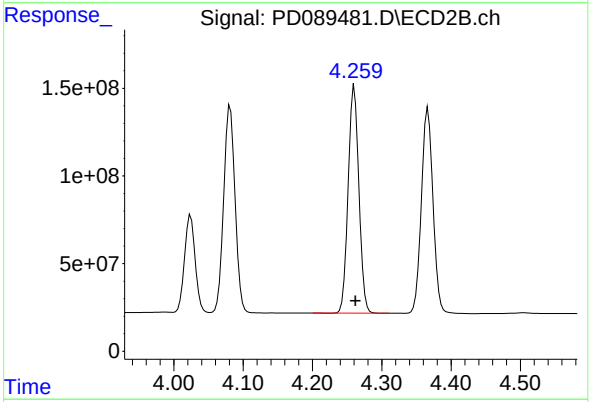
R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 595826561
Conc: 55.45 ng/ml



#7 delta-BHC

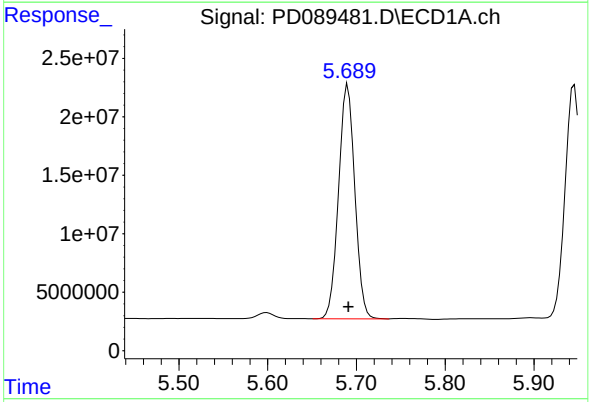
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 297003224
Conc: 57.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



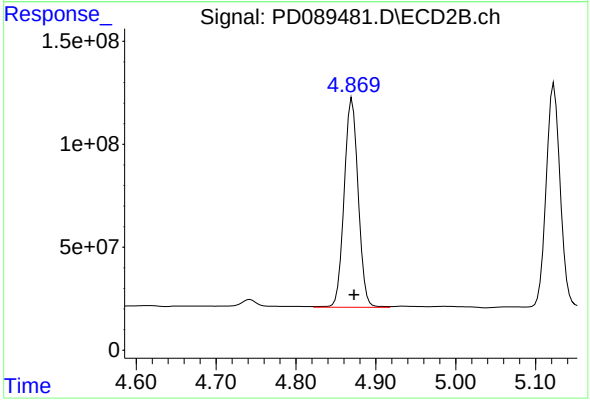
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.001 min
Response: 1397975175
Conc: 56.20 ng/ml



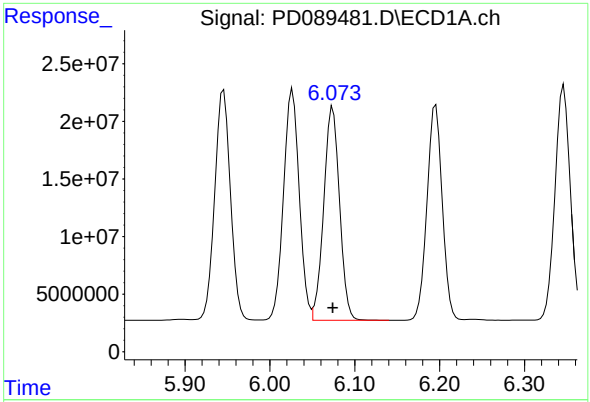
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 255105694
Conc: 52.88 ng/ml



#8 Heptachlor epoxide

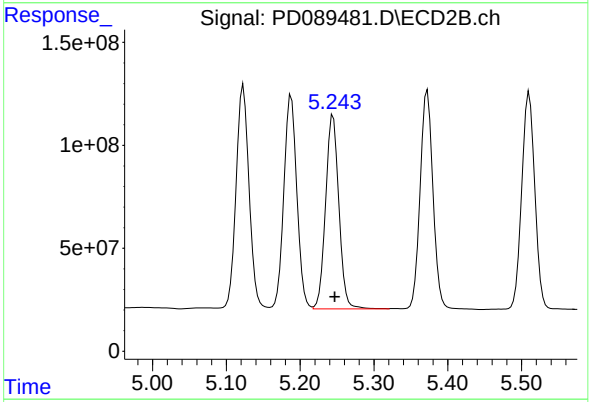
R.T.: 4.870 min
Delta R.T.: -0.002 min
Response: 1240935223
Conc: 56.67 ng/ml



#9 Endosulfan I

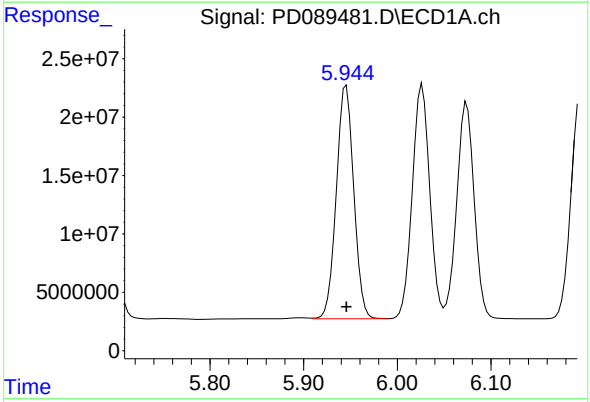
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 240055372
Conc: 53.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



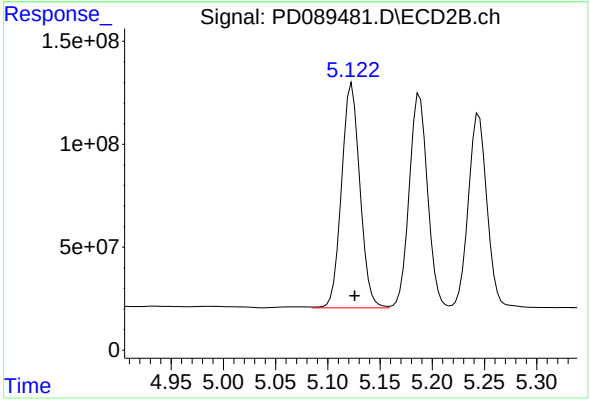
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1175184330
Conc: 56.38 ng/ml



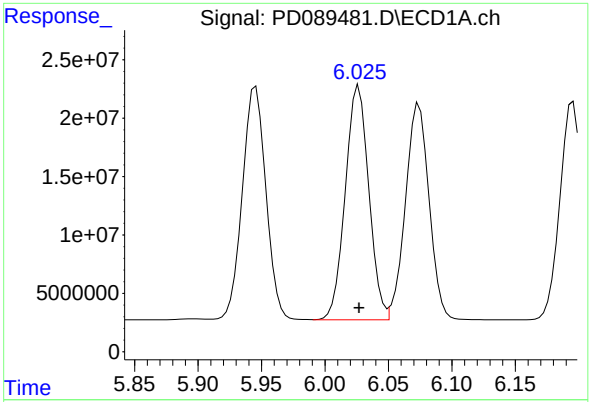
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 258665518
Conc: 54.02 ng/ml



#10 gamma-Chlordane

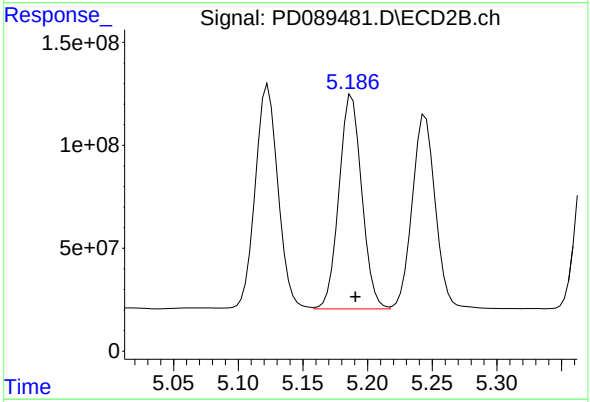
R.T.: 5.123 min
Delta R.T.: -0.003 min
Response: 1331427515
Conc: 55.66 ng/ml



#11 alpha-Chlordane

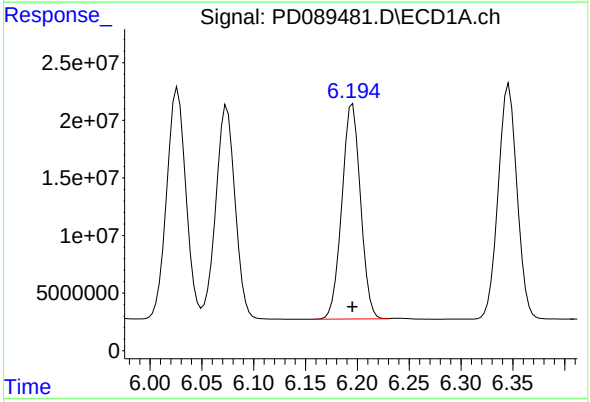
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 258814100
Conc: 53.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



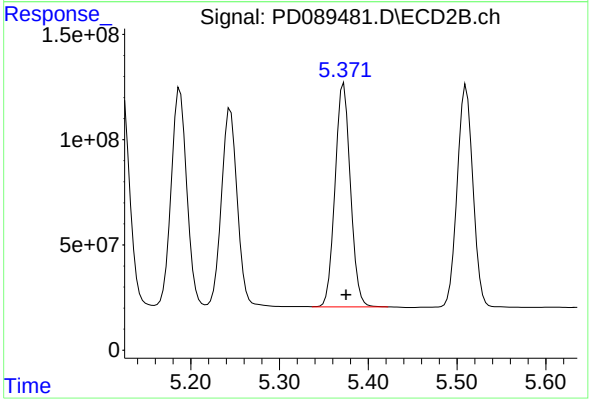
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1271468693
Conc: 55.53 ng/ml



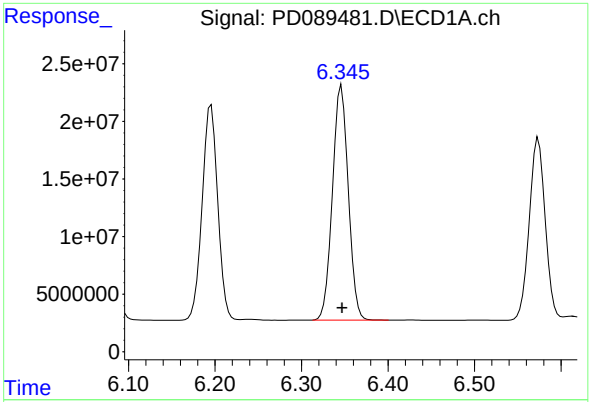
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 233852314
Conc: 53.62 ng/ml



#12 4,4'-DDE

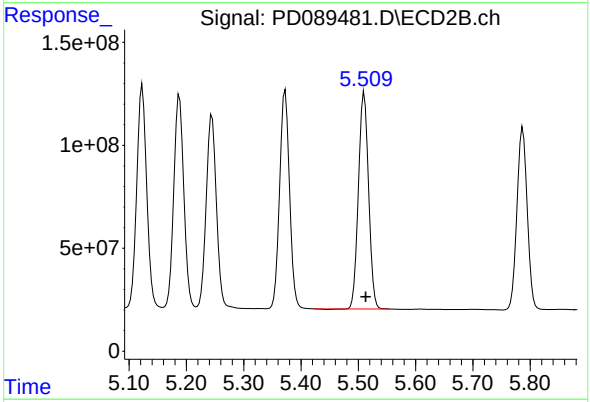
R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 1276486449
Conc: 55.70 ng/ml



#13 Dieldrin

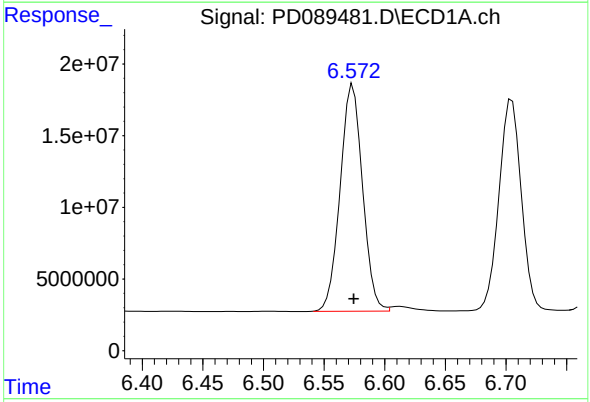
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 258067962
Conc: 53.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



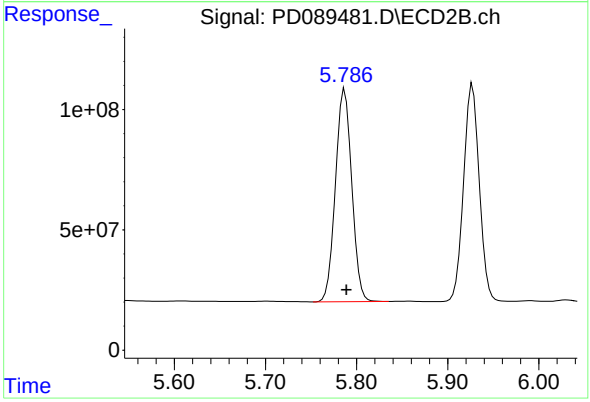
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 1286075095
Conc: 55.41 ng/ml



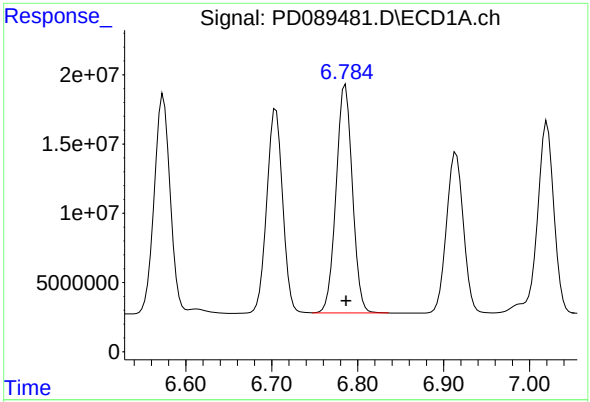
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 203388613
Conc: 49.30 ng/ml



#14 Endrin

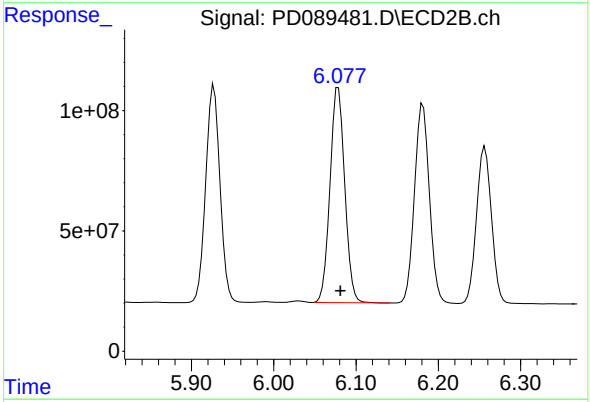
R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 1100075833
Conc: 50.66 ng/ml



#15 Endosulfan II

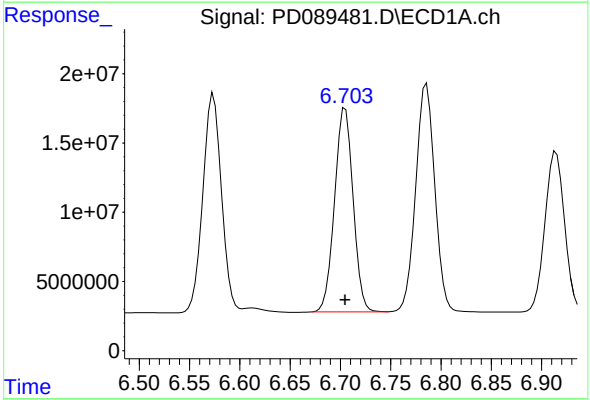
R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 217154849
Conc: 53.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



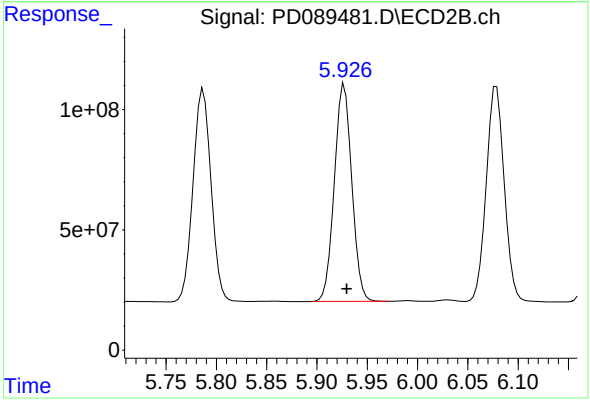
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.002 min
Response: 1112401620
Conc: 55.08 ng/ml



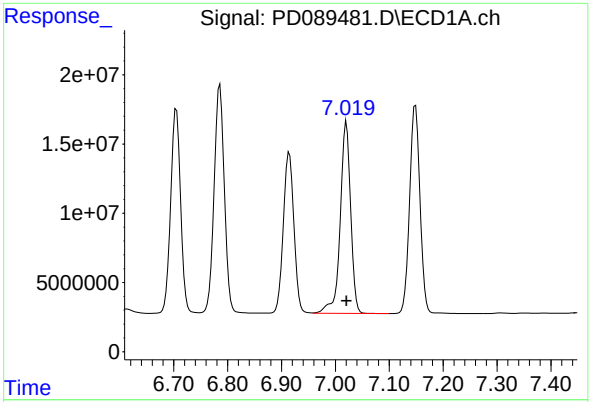
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 188466633
Conc: 54.91 ng/ml



#16 4,4'-DDD

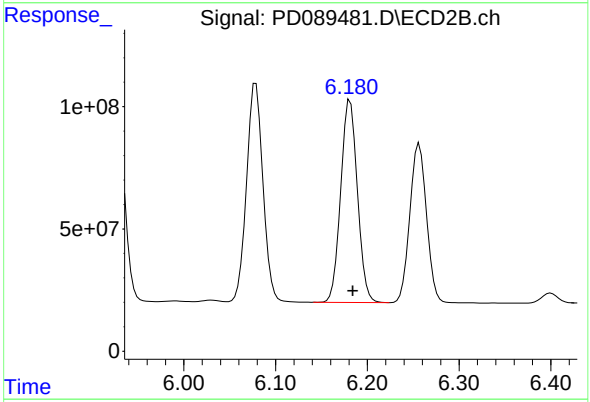
R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 1087889209
Conc: 56.87 ng/ml



#17 4,4'-DDT

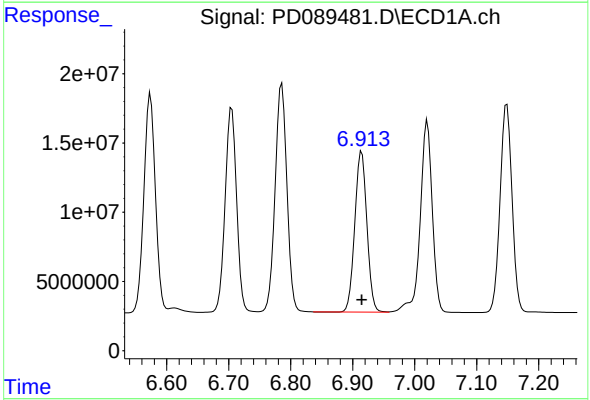
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 185724415
Conc: 49.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



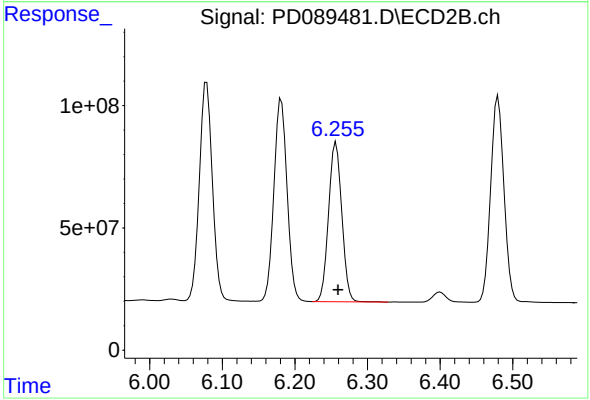
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 1045746948
Conc: 51.57 ng/ml



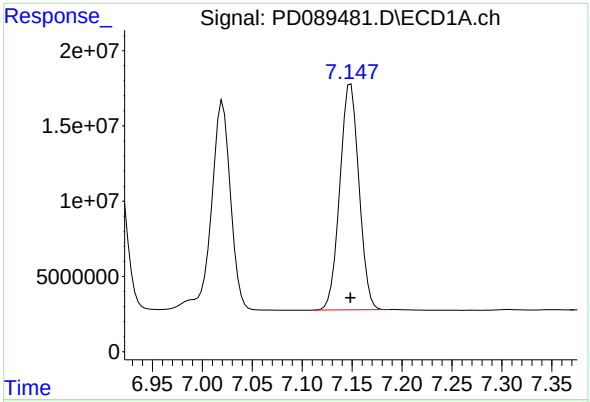
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 157826340
Conc: 51.51 ng/ml



#18 Endrin aldehyde

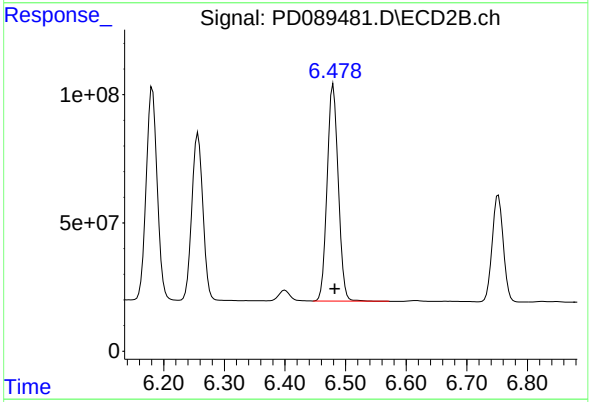
R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 826620486
Conc: 53.99 ng/ml



#19 Endosulfan Sulfate

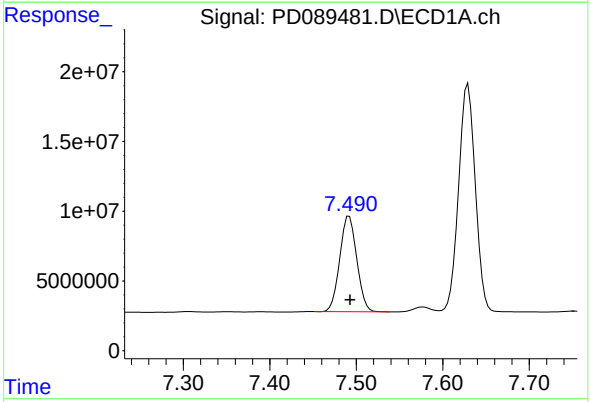
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 200084808
Conc: 52.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



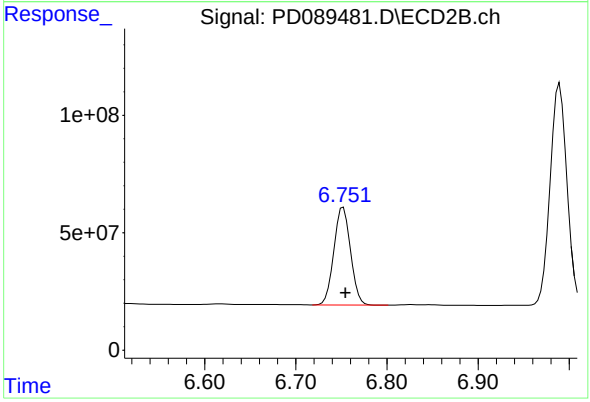
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.003 min
Response: 1077855228
Conc: 54.93 ng/ml



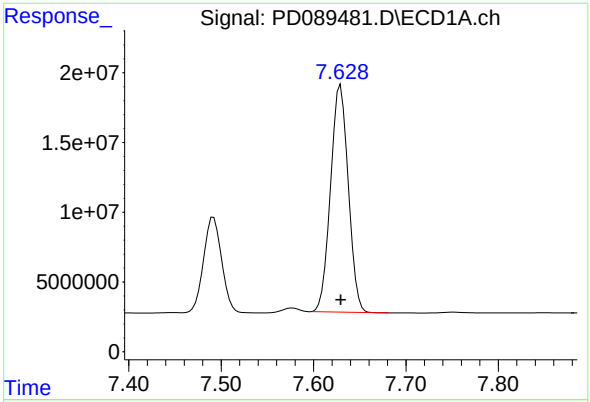
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 93000192
Conc: 46.03 ng/ml



#20 Methoxychlor

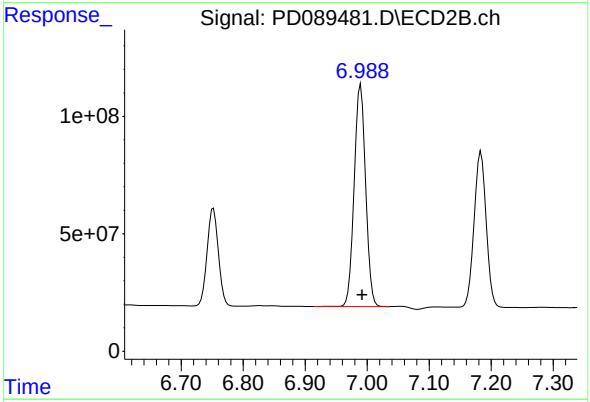
R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 528252480
Conc: 49.06 ng/ml



#21 Endrin ketone

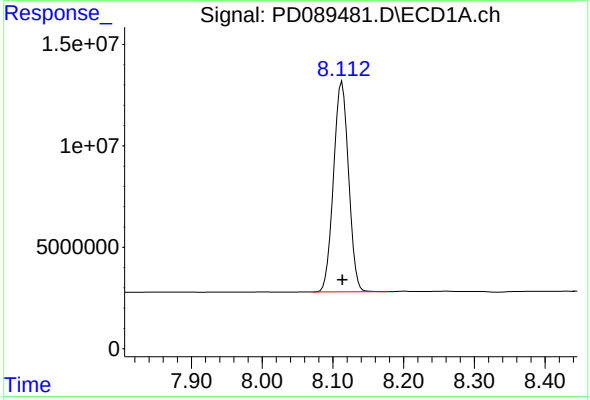
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 217001642
Conc: 53.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



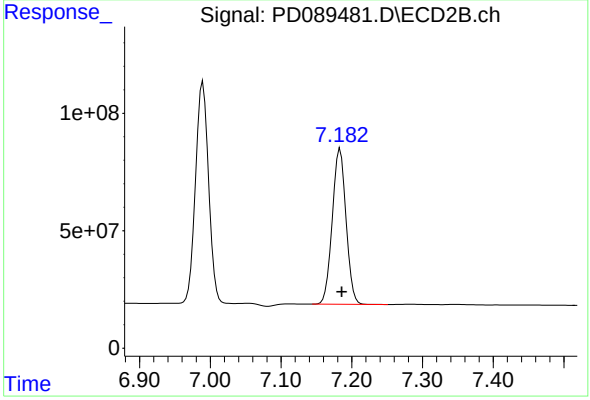
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1216370597
Conc: 56.31 ng/ml



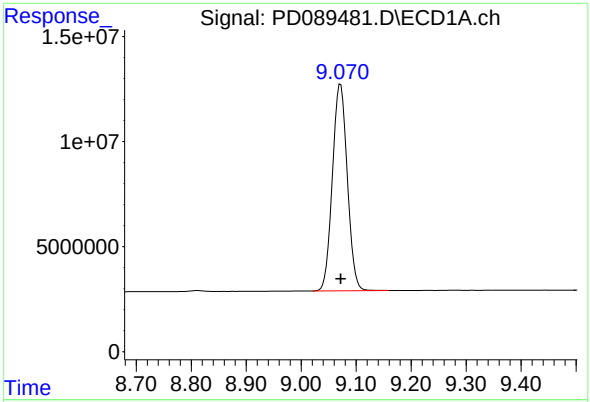
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 153404849
Conc: 50.46 ng/ml



#22 Mirex

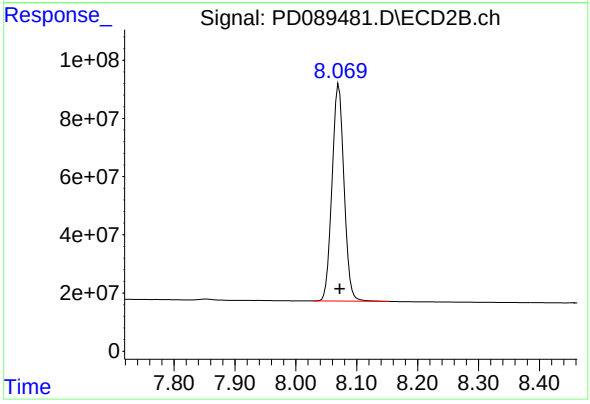
R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 893790179
Conc: 53.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 185182163
Conc: 47.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 1020340891
Conc: 51.61 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 20:09 **Initial Calibration Time(s):** 15:52 16:47

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	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	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	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.78	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 20:09 **Initial Calibration Time(s):** 15:52 16:47

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	4.03	3.93	4.13	0.01
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	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
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	6.76	6.66	6.86	0.01
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	5.13	5.03	5.23	0.01

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089490.D **Time Analyzed:** 20:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	52.580	50.000	5.2
4,4'-DDE	6.194	6.096	6.296	51.030	50.000	2.1
4,4'-DDT	7.019	6.921	7.121	44.390	50.000	-11.2
Aldrin	5.270	5.171	5.371	53.000	50.000	6.0
alpha-BHC	3.999	3.899	4.099	54.710	50.000	9.4
alpha-Chlordane	6.025	5.927	6.127	51.170	50.000	2.3
beta-BHC	4.515	4.415	4.615	51.880	50.000	3.8
Decachlorobiphenyl	9.070	8.972	9.172	46.240	50.000	-7.5
delta-BHC	4.763	4.664	4.864	56.430	50.000	12.9
Dieldrin	6.345	6.247	6.447	51.290	50.000	2.6
Endosulfan I	6.073	5.975	6.175	51.010	50.000	2.0
Endosulfan II	6.784	6.686	6.886	51.250	50.000	2.5
Endosulfan sulfate	7.148	7.049	7.249	49.520	50.000	-1.0
Endrin	6.573	6.475	6.675	47.870	50.000	-4.3
Endrin aldehyde	6.913	6.815	7.015	48.390	50.000	-3.2
Endrin ketone	7.628	7.530	7.730	50.190	50.000	0.4
gamma-BHC (Lindane)	4.330	4.230	4.430	53.760	50.000	7.5
gamma-Chlordane	5.945	5.846	6.046	51.970	50.000	3.9
Heptachlor	4.928	4.829	5.029	50.800	50.000	1.6
Heptachlor epoxide	5.689	5.591	5.791	50.970	50.000	1.9
Methoxychlor	7.491	7.393	7.593	41.830	50.000	-16.3
Tetrachloro-m-xylene	3.549	3.450	3.650	52.210	50.000	4.4

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089490.D **Time Analyzed:** 20:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.830	6.030	55.400	50.000	10.8
4,4'-DDE	5.373	5.275	5.475	54.110	50.000	8.2
4,4'-DDT	6.181	6.084	6.284	47.300	50.000	-5.4
Aldrin	4.367	4.269	4.469	55.760	50.000	11.5
alpha-BHC	3.392	3.293	3.493	56.500	50.000	13.0
alpha-Chlordane	5.188	5.091	5.291	54.100	50.000	8.2
beta-BHC	4.024	3.926	4.126	55.160	50.000	10.3
Decachlorobiphenyl	8.069	7.972	8.172	47.780	50.000	-4.4
delta-BHC	4.260	4.162	4.362	55.760	50.000	11.5
Dieldrin	5.511	5.413	5.613	54.080	50.000	8.2
Endosulfan I	5.245	5.147	5.347	54.460	50.000	8.9
Endosulfan II	6.078	5.981	6.181	52.880	50.000	5.8
Endosulfan sulfate	6.480	6.383	6.583	52.400	50.000	4.8
Endrin	5.787	5.689	5.889	50.210	50.000	0.4
Endrin aldehyde	6.257	6.159	6.359	50.910	50.000	1.8
Endrin ketone	6.989	6.892	7.092	52.380	50.000	4.8
gamma-BHC (Lindane)	3.728	3.630	3.830	54.750	50.000	9.5
gamma-Chlordane	5.124	5.026	5.226	54.430	50.000	8.9
Heptachlor	4.081	3.983	4.183	52.730	50.000	5.5
Heptachlor epoxide	4.871	4.773	4.973	56.050	50.000	12.1
Methoxychlor	6.752	6.655	6.855	45.110	50.000	-9.8
Tetrachloro-m-xylene	2.880	2.780	2.980	55.950	50.000	11.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 20:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:18:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.880	149.0E6	948.6E6	52.211	55.951
28)	SA Decachlor...	9.070	8.069	181.6E6	944.7E6	46.240	47.784
	Target Compounds						
2)	A alpha-BHC	3.999	3.392	318.9E6	1513.9E6	54.710	56.495
3)	MA gamma-BHC...	4.330	3.728	300.1E6	1355.4E6	53.765	54.747
4)	MA Heptachlor	4.928	4.081	277.0E6	1320.3E6	50.800	52.730
5)	MB Aldrin	5.270	4.367	281.6E6	1350.3E6	52.999	55.758
6)	B beta-BHC	4.515	4.024	114.5E6	592.8E6	51.875	55.162
7)	B delta-BHC	4.763	4.260	289.7E6	1386.9E6	56.430	55.758
8)	B Heptachlo...	5.689	4.871	245.9E6	1227.5E6	50.969	56.053
9)	A Endosulfan I	6.073	5.245	229.9E6	1135.2E6	51.010	54.464
10)	B gamma-Chl...	5.945	5.124	248.9E6	1302.1E6	51.974	54.430
11)	B alpha-Chl...	6.025	5.188	247.6E6	1238.6E6	51.165	54.095
12)	B 4,4'-DDE	6.194	5.373	222.5E6	1240.1E6	51.028	54.114
13)	MA Dieldrin	6.345	5.511	246.0E6	1255.2E6	51.286	54.082
14)	MA Endrin	6.573	5.787	197.5E6	1090.2E6	47.866	50.206
15)	B Endosulfa...	6.784	6.078	206.9E6	1067.9E6	51.248	52.875
16)	A 4,4'-DDD	6.704	5.927	180.4E6	1059.9E6	52.578	55.405
17)	MA 4,4'-DDT	7.019	6.181	168.2E6	959.2E6	44.391	47.300
18)	B Endrin al...	6.913	6.257	148.3E6	779.5E6	48.392	50.913
19)	B Endosulfa...	7.148	6.480	190.0E6	1028.1E6	49.517	52.400
20)	A Methoxychlor	7.491	6.752	84517893	485.8E6	41.828	45.111
21)	B Endrin ke...	7.628	6.989	204.4E6	1131.5E6	50.193	52.380
22)	Mirex	8.112	7.183	145.1E6	835.1E6	47.734	50.069

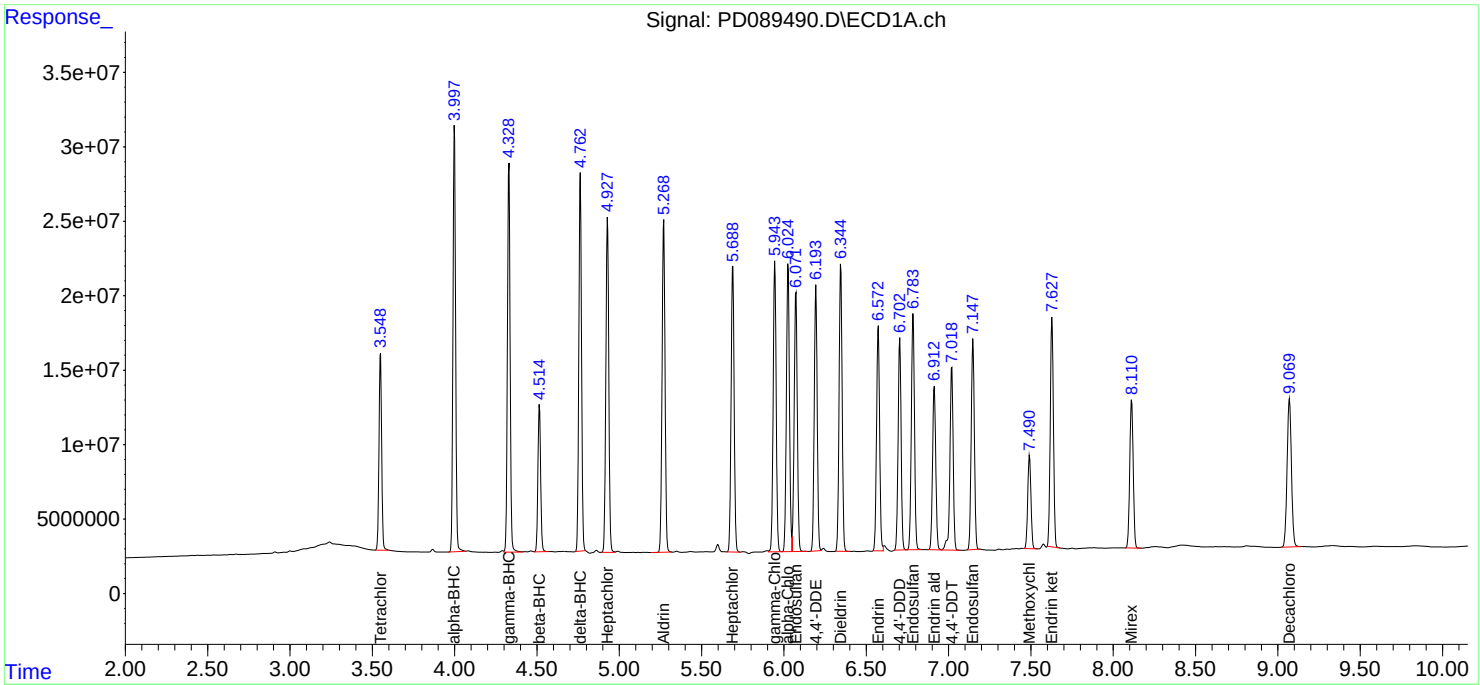
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

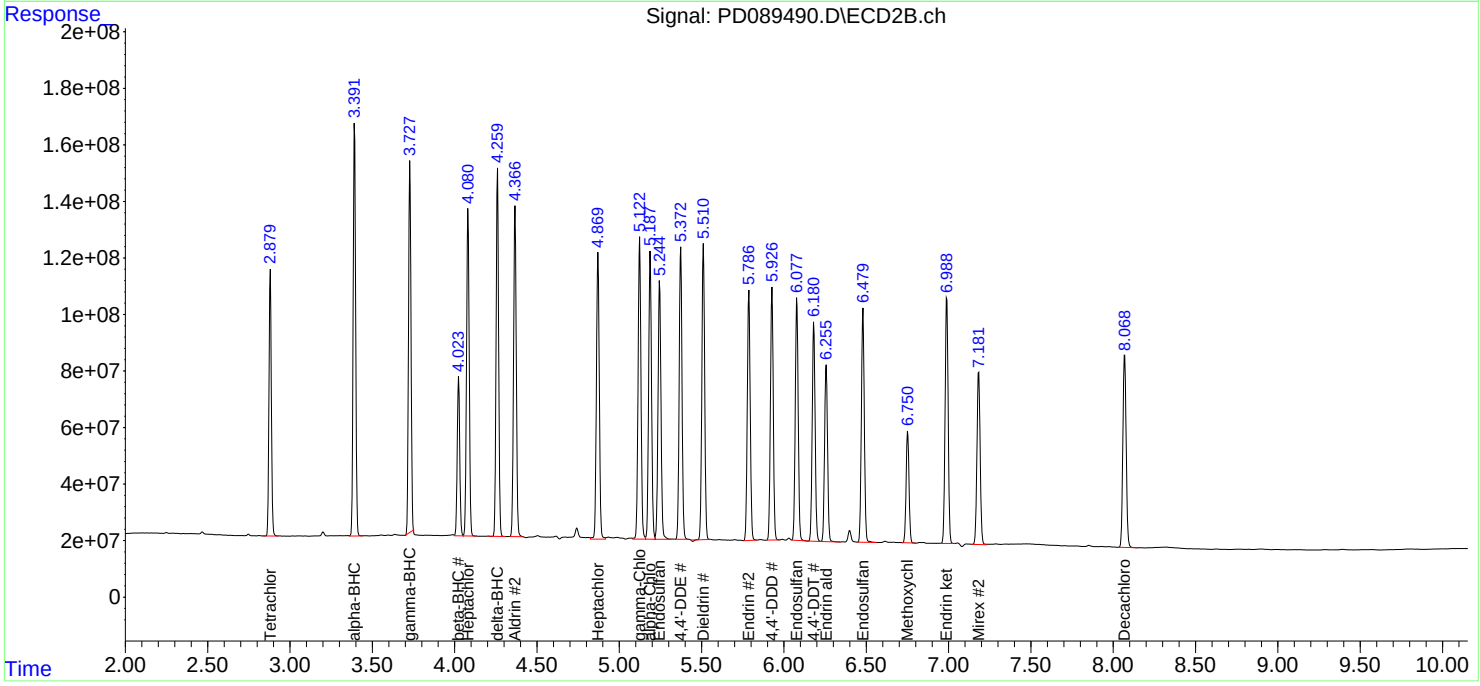
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 20:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

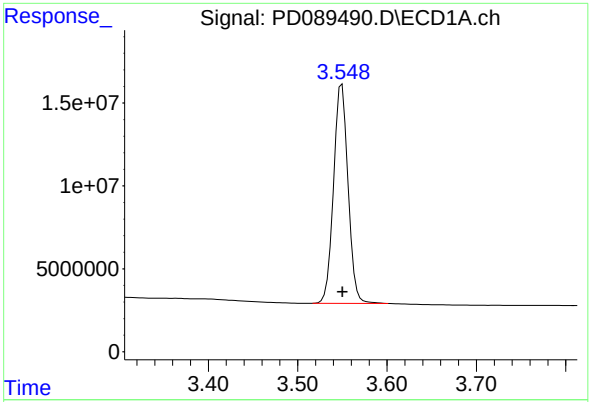
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:18:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



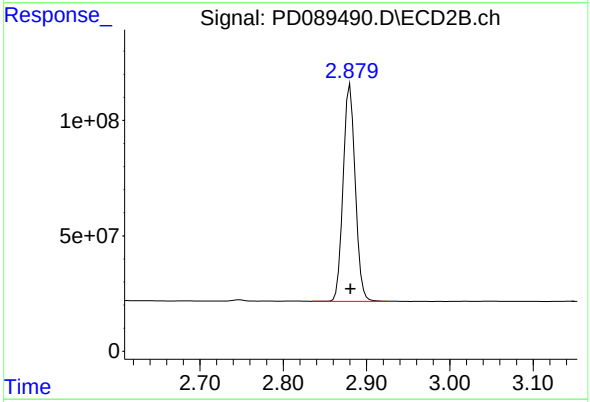




#1 Tetrachloro-m-xylene

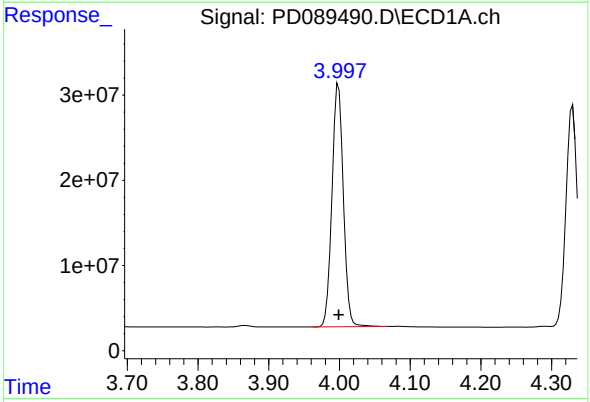
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 148964580
Conc: 52.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



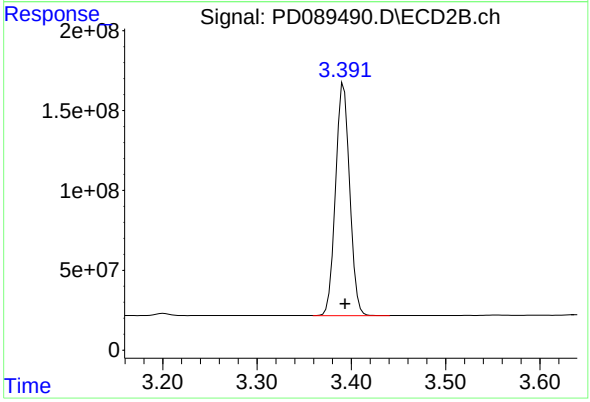
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 948554290
Conc: 55.95 ng/ml



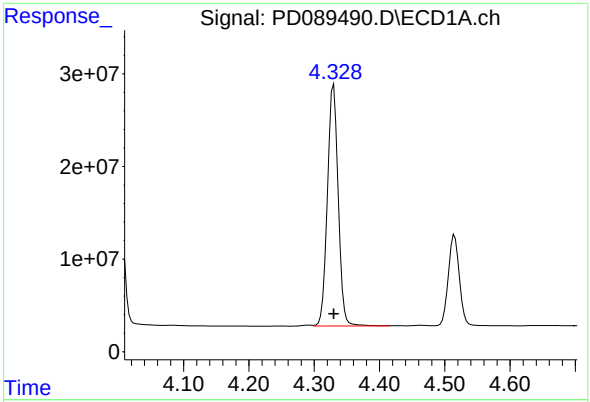
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 318905970
Conc: 54.71 ng/ml



#2 alpha-BHC

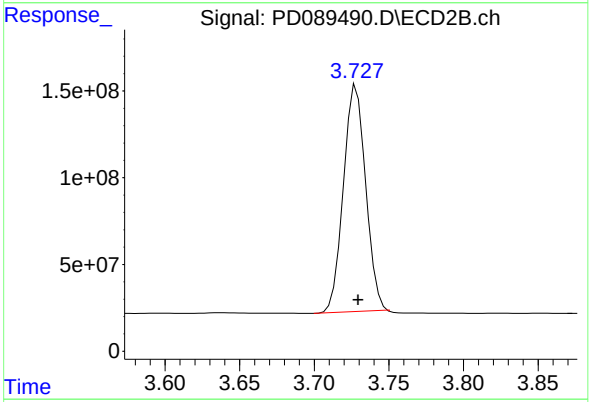
R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1513903260
Conc: 56.50 ng/ml



#3 gamma-BHC (Lindane)

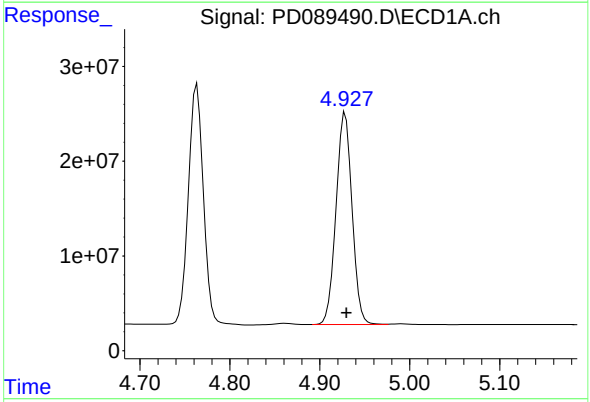
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 300096787
Conc: 53.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



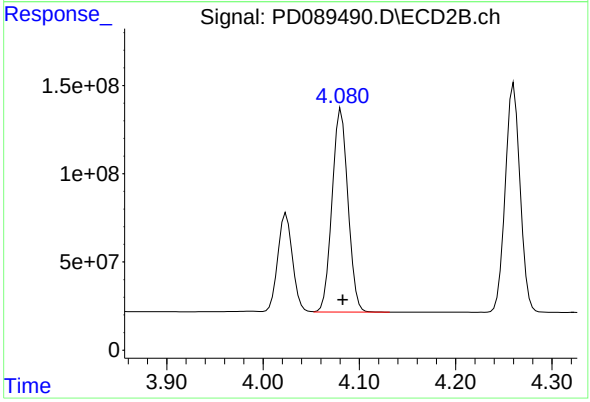
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1355376699
Conc: 54.75 ng/ml



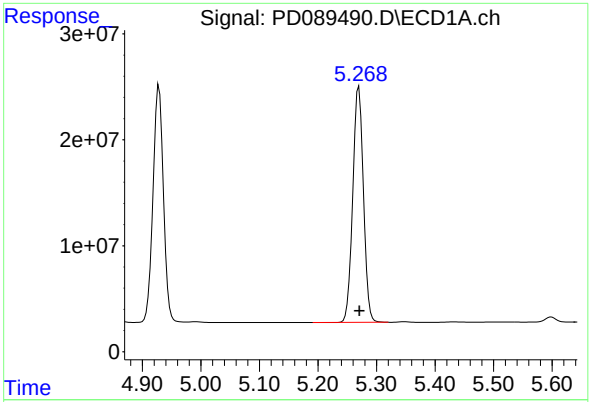
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 276960565
Conc: 50.80 ng/ml



#4 Heptachlor

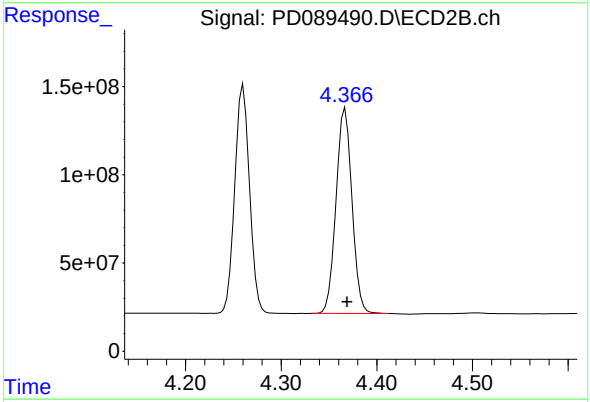
R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1320274609
Conc: 52.73 ng/ml



#5 Aldrin

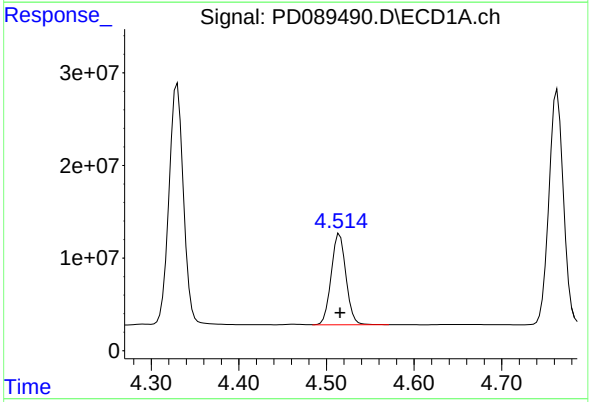
R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 281584998
Conc: 53.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



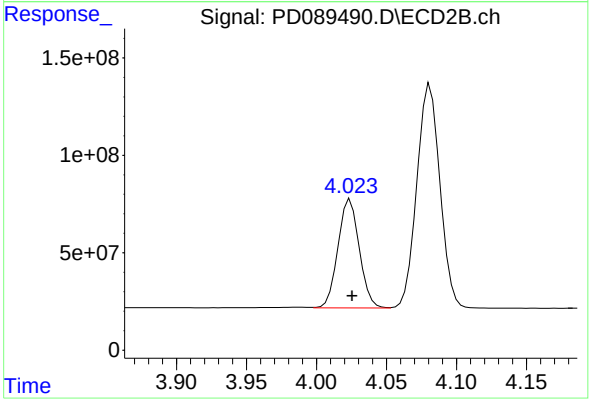
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1350314856
Conc: 55.76 ng/ml



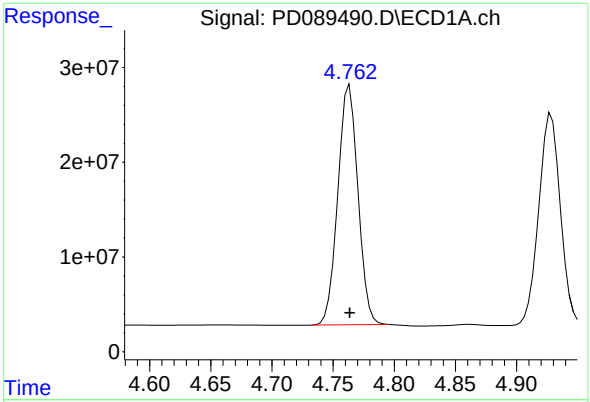
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 114495868
Conc: 51.88 ng/ml



#6 beta-BHC

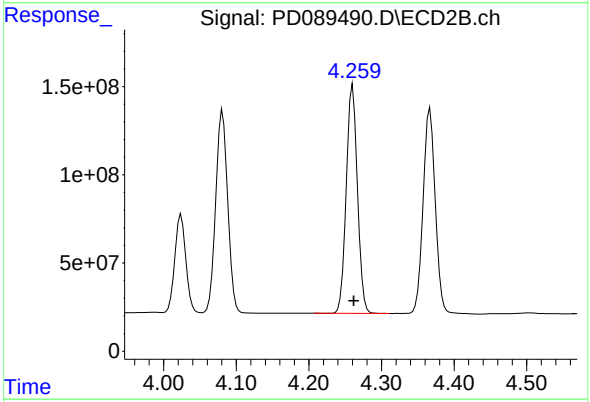
R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 592788697
Conc: 55.16 ng/ml



#7 delta-BHC

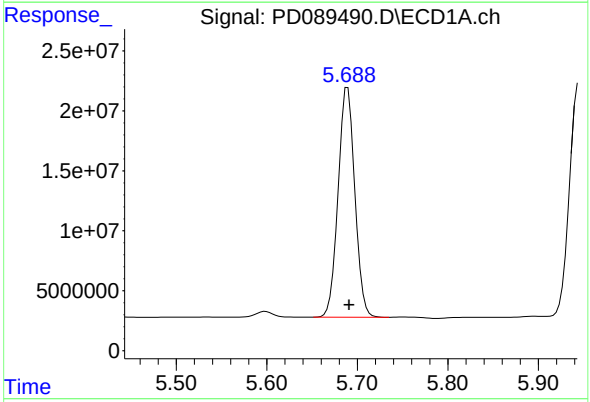
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 289650203
Conc: 56.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



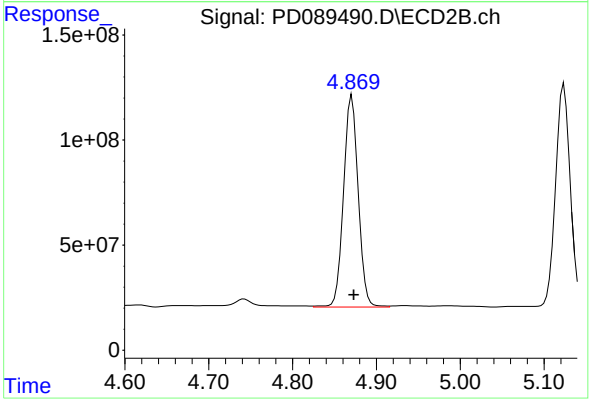
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.002 min
Response: 1386910279
Conc: 55.76 ng/ml



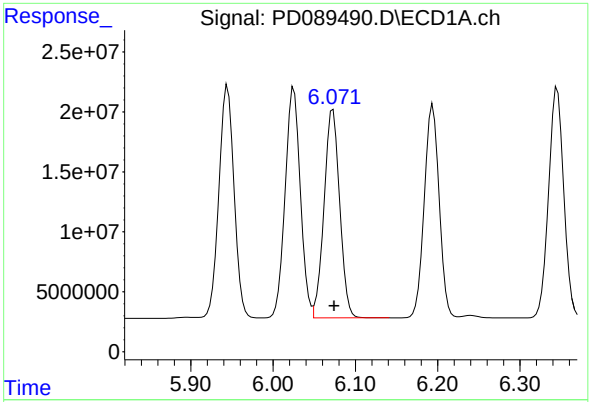
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.002 min
Response: 245873341
Conc: 50.97 ng/ml



#8 Heptachlor epoxide

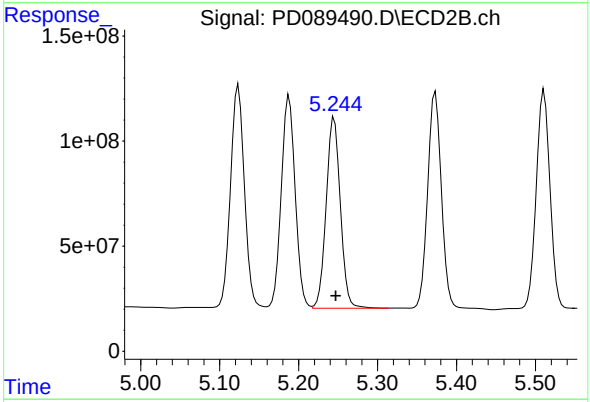
R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1227459078
Conc: 56.05 ng/ml



#9 Endosulfan I

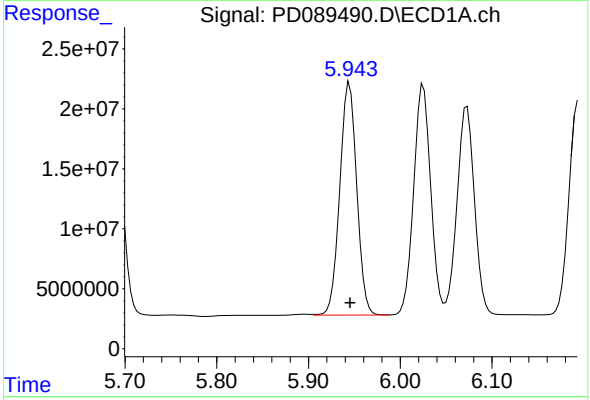
R.T.: 6.073 min
Delta R.T.: -0.001 min
Response: 229925815
Conc: 51.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



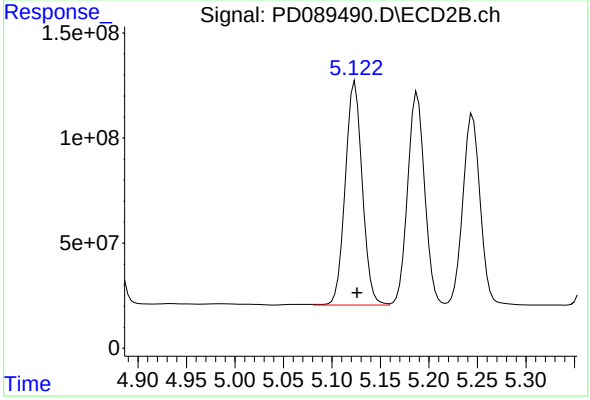
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1135162492
Conc: 54.46 ng/ml



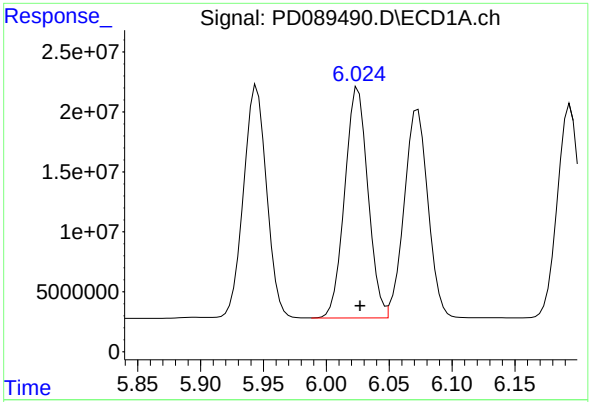
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 248856216
Conc: 51.97 ng/ml



#10 gamma-Chlordane

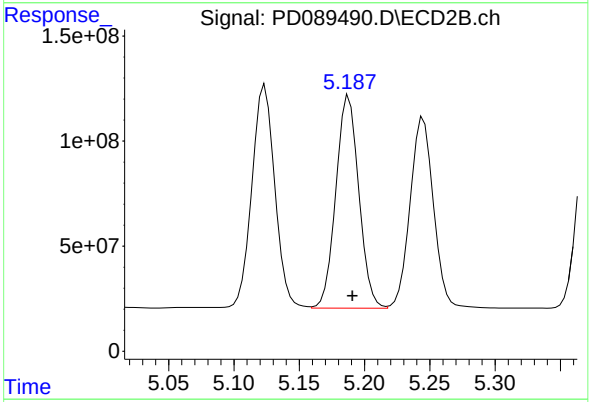
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1302104418
Conc: 54.43 ng/ml



#11 alpha-Chlordane

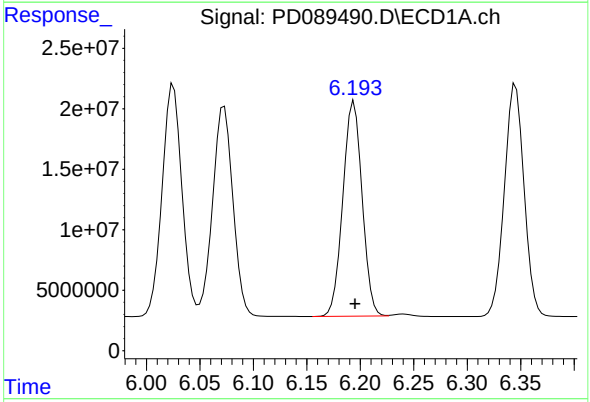
R.T.: 6.025 min
Delta R.T.: -0.002 min
Response: 247565026
Conc: 51.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



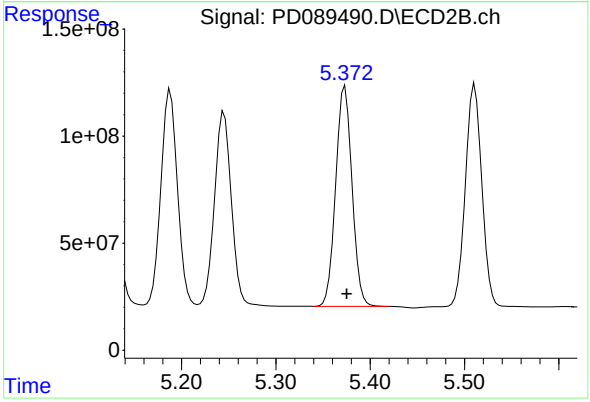
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1238612911
Conc: 54.10 ng/ml



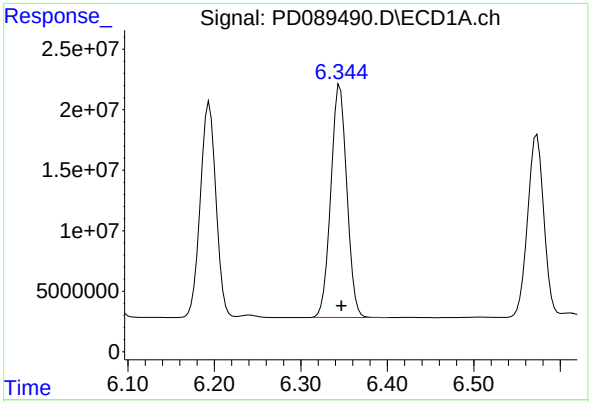
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 222535233
Conc: 51.03 ng/ml



#12 4,4'-DDE

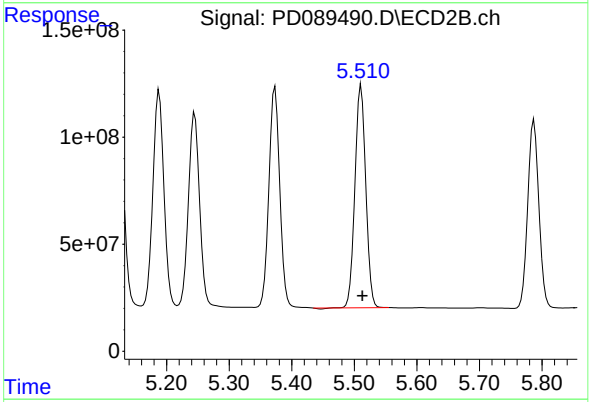
R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1240072904
Conc: 54.11 ng/ml



#13 Dieldrin

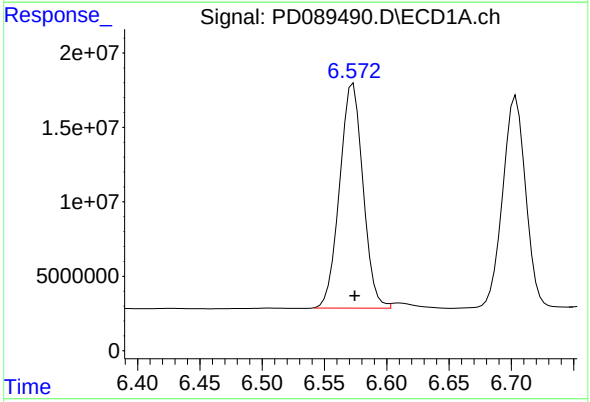
R.T.: 6.345 min
Delta R.T.: -0.002 min
Response: 246043322
Conc: 51.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



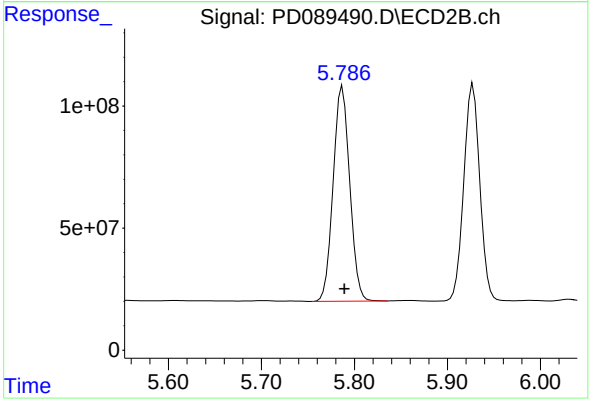
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1255171204
Conc: 54.08 ng/ml



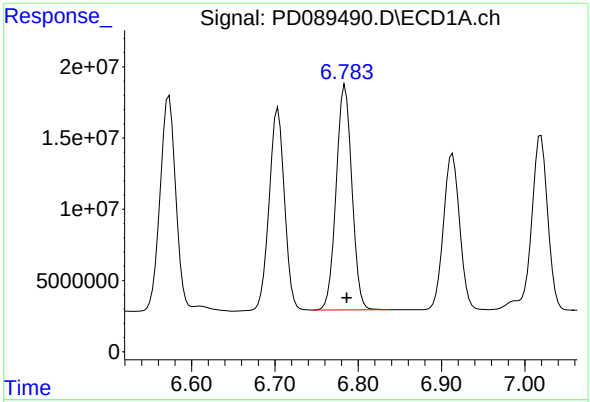
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 197473713
Conc: 47.87 ng/ml



#14 Endrin

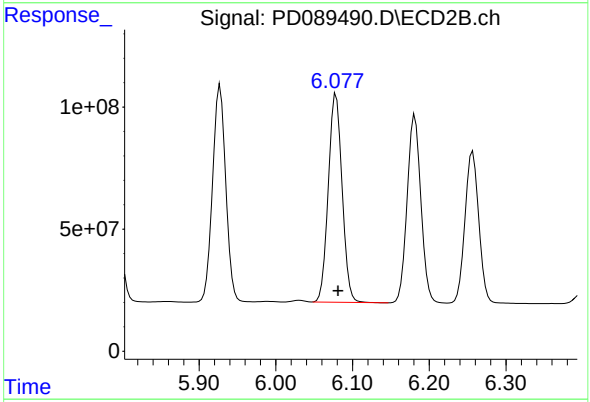
R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 1090160199
Conc: 50.21 ng/ml



#15 Endosulfan II

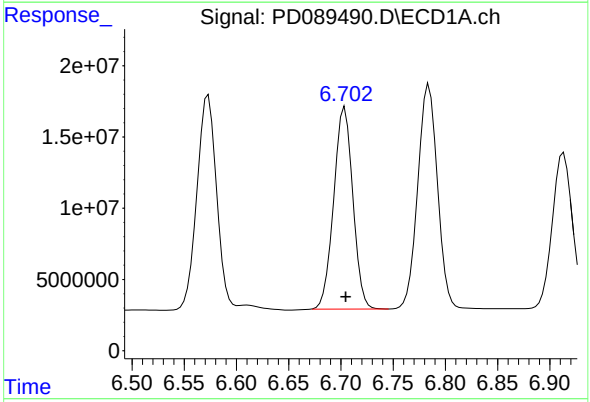
R.T.: 6.784 min
Delta R.T.: -0.002 min
Response: 206867843
Conc: 51.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



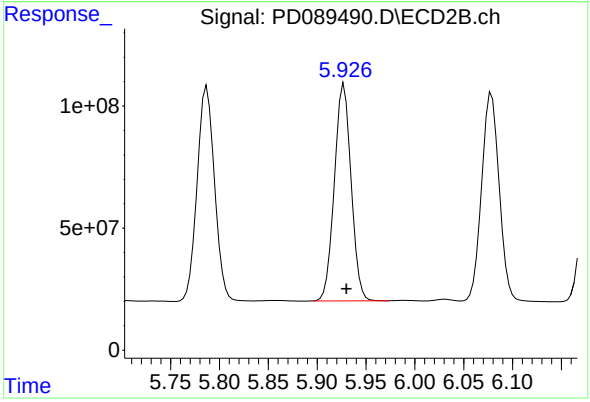
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.002 min
Response: 1067905832
Conc: 52.88 ng/ml



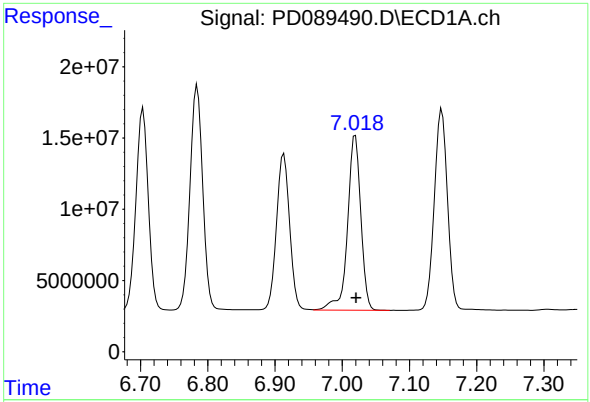
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 180449160
Conc: 52.58 ng/ml



#16 4,4'-DDD

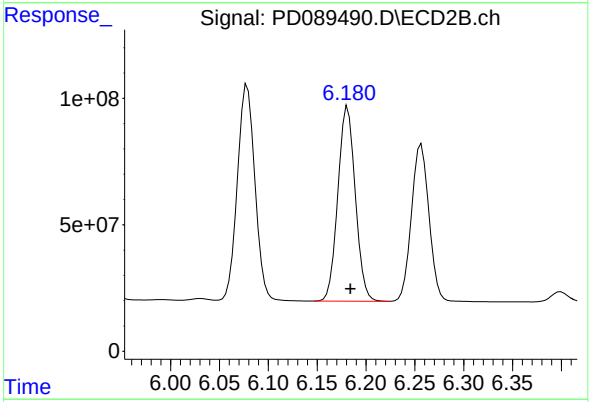
R.T.: 5.927 min
Delta R.T.: -0.002 min
Response: 1059863455
Conc: 55.40 ng/ml



#17 4,4'-DDT

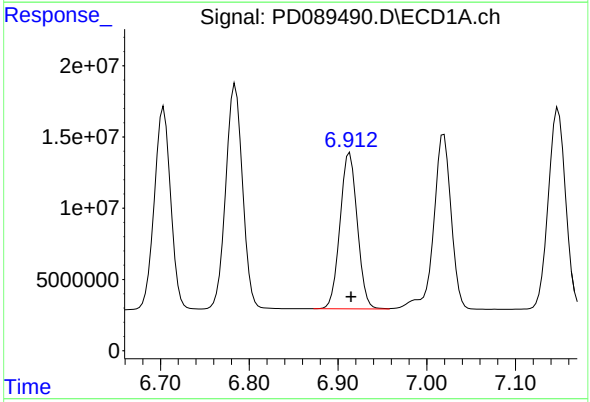
R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 168163625
Conc: 44.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



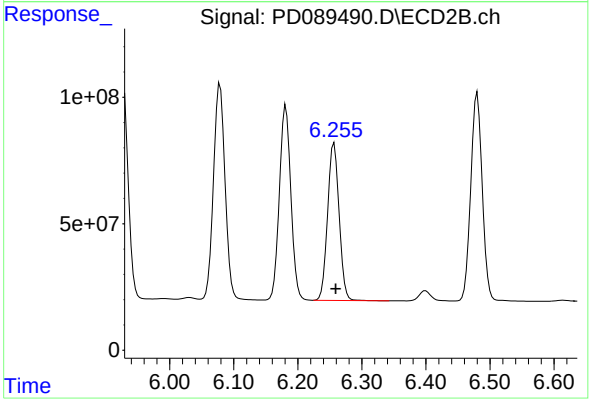
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 959213610
Conc: 47.30 ng/ml



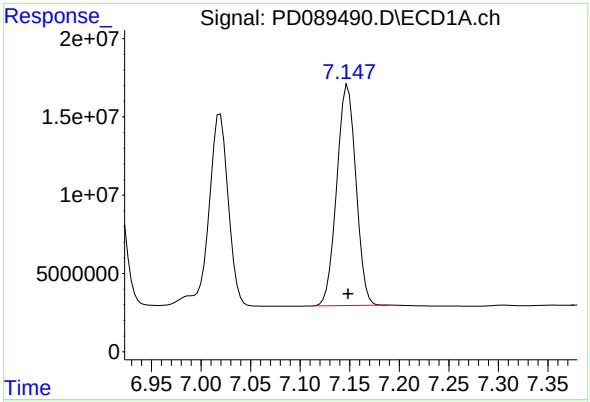
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.001 min
Response: 148270516
Conc: 48.39 ng/ml



#18 Endrin aldehyde

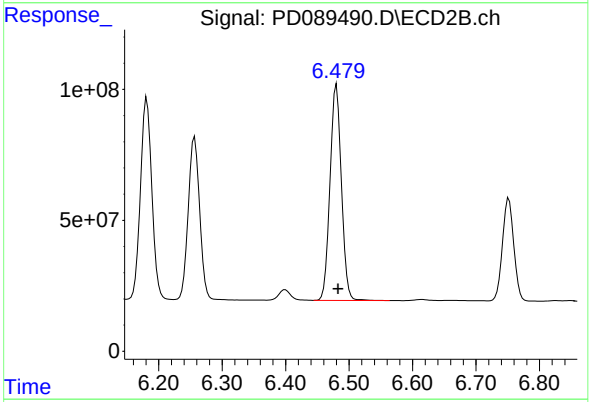
R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 779544541
Conc: 50.91 ng/ml



#19 Endosulfan Sulfate

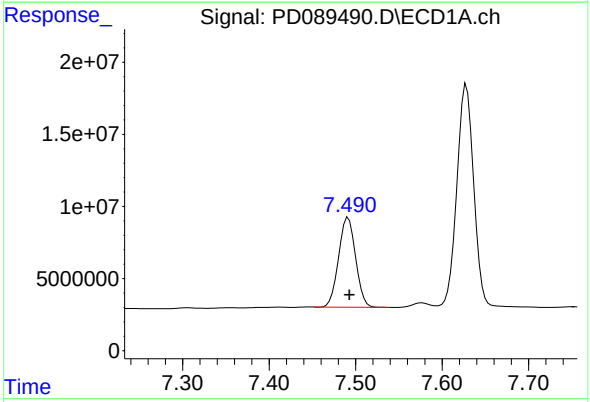
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 190008452
Conc: 49.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



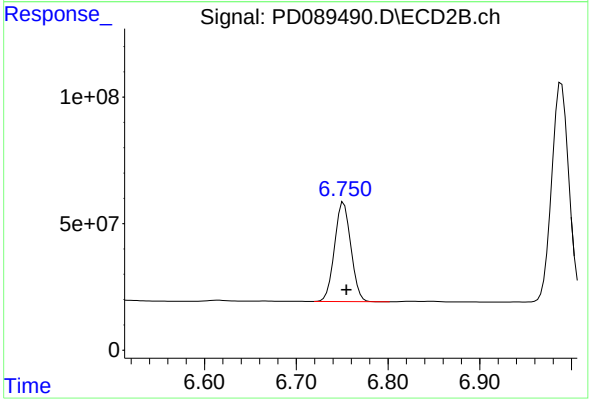
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 1028137405
Conc: 52.40 ng/ml



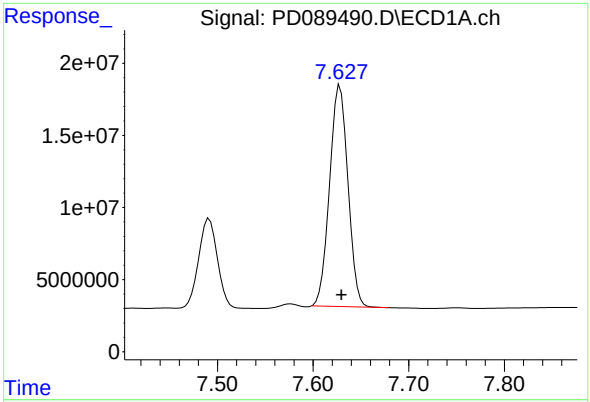
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 84517893
Conc: 41.83 ng/ml



#20 Methoxychlor

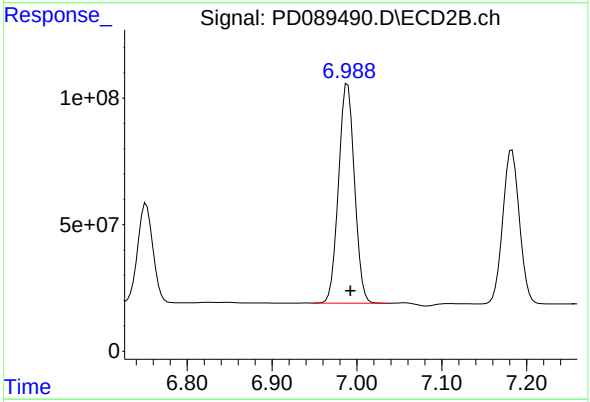
R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 485762098
Conc: 45.11 ng/ml



#21 Endrin ketone

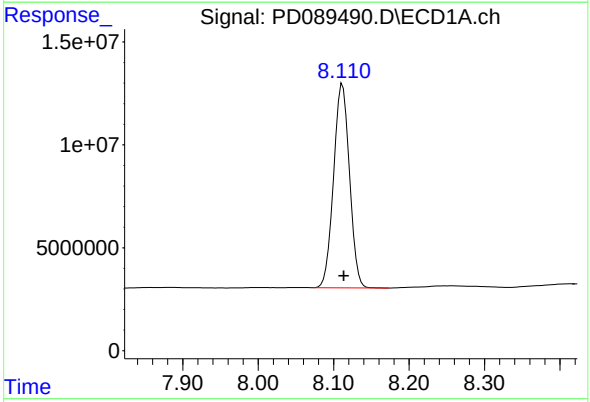
R.T.: 7.628 min
Delta R.T.: -0.001 min
Response: 204438752
Conc: 50.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



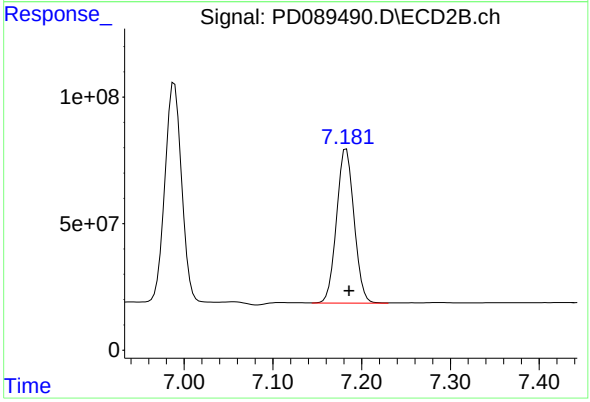
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1131495870
Conc: 52.38 ng/ml



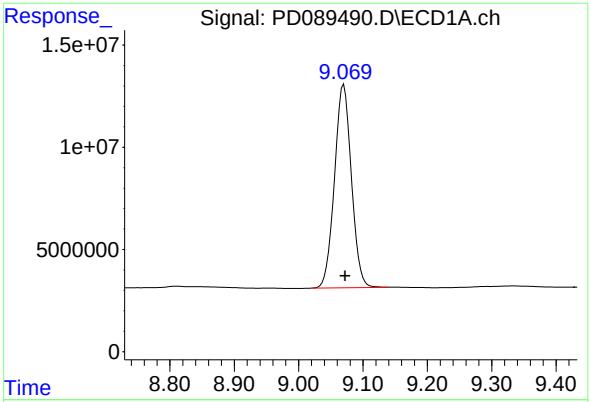
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 145117908
Conc: 47.73 ng/ml



#22 Mirex

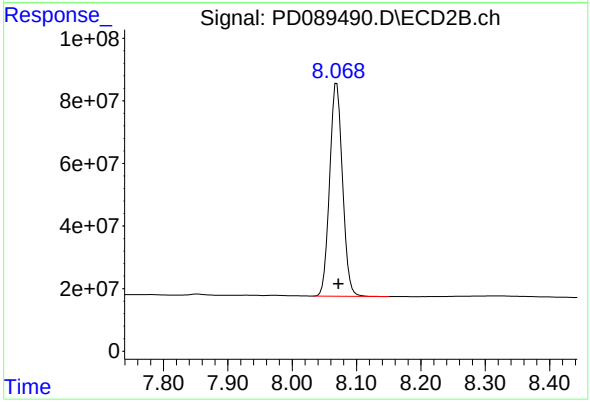
R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 835056737
Conc: 50.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 181612517
Conc: 46.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 944690721
Conc: 47.78 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 16:13 **Initial Calibration Time(s):** 12:49 13:44

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	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 16:13 **Initial Calibration Time(s):** 12:49 13:44

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	0.01
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	6.26	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:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089601.D **Time Analyzed:** 16:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.603	6.803	49.160	50.000	-1.7
4,4'-DDE	6.193	6.094	6.294	48.370	50.000	-3.3
4,4'-DDT	7.018	6.919	7.119	48.860	50.000	-2.3
Aldrin	5.268	5.169	5.369	49.450	50.000	-1.1
alpha-BHC	3.997	3.898	4.098	50.090	50.000	0.2
alpha-Chlordane	6.024	5.924	6.124	48.690	50.000	-2.6
beta-BHC	4.514	4.414	4.614	48.560	50.000	-2.9
Decachlorobiphenyl	9.068	8.971	9.171	47.770	50.000	-4.5
delta-BHC	4.762	4.663	4.863	50.350	50.000	0.7
Dieldrin	6.344	6.245	6.445	49.180	50.000	-1.6
Endosulfan I	6.071	5.972	6.172	48.750	50.000	-2.5
Endosulfan II	6.783	6.684	6.884	47.520	50.000	-5.0
Endosulfan sulfate	7.146	7.047	7.247	48.240	50.000	-3.5
Endrin	6.571	6.472	6.672	48.290	50.000	-3.4
Endrin aldehyde	6.912	6.813	7.013	49.320	50.000	-1.4
Endrin ketone	7.627	7.528	7.728	48.790	50.000	-2.4
gamma-BHC (Lindane)	4.328	4.228	4.428	49.390	50.000	-1.2
gamma-Chlordane	5.943	5.844	6.044	49.040	50.000	-1.9
Heptachlor	4.927	4.827	5.027	49.460	50.000	-1.1
Heptachlor epoxide	5.688	5.588	5.788	49.490	50.000	-1.0
Methoxychlor	7.491	7.392	7.592	47.300	50.000	-5.4
Tetrachloro-m-xylene	3.548	3.448	3.648	48.430	50.000	-3.1

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089601.D **Time Analyzed:** 16:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.827	6.027	47.600	50.000	-4.8
4,4'-DDE	5.371	5.272	5.472	47.650	50.000	-4.7
4,4'-DDT	6.179	6.081	6.281	47.970	50.000	-4.1
Aldrin	4.365	4.266	4.466	48.250	50.000	-3.5
alpha-BHC	3.391	3.291	3.491	48.310	50.000	-3.4
alpha-Chlordane	5.186	5.087	5.287	47.650	50.000	-4.7
beta-BHC	4.022	3.923	4.123	47.280	50.000	-5.4
Decachlorobiphenyl	8.067	7.970	8.170	46.850	50.000	-6.3
delta-BHC	4.259	4.160	4.360	48.610	50.000	-2.8
Dieldrin	5.509	5.410	5.610	47.880	50.000	-4.2
Endosulfan I	5.243	5.144	5.344	47.390	50.000	-5.2
Endosulfan II	6.077	5.978	6.178	47.780	50.000	-4.4
Endosulfan sulfate	6.478	6.379	6.579	47.580	50.000	-4.8
Endrin	5.785	5.687	5.887	48.310	50.000	-3.4
Endrin aldehyde	6.255	6.156	6.356	48.700	50.000	-2.6
Endrin ketone	6.987	6.889	7.089	47.260	50.000	-5.5
gamma-BHC (Lindane)	3.727	3.627	3.827	48.350	50.000	-3.3
gamma-Chlordane	5.122	5.023	5.223	47.810	50.000	-4.4
Heptachlor	4.080	3.980	4.180	48.220	50.000	-3.6
Heptachlor epoxide	4.869	4.770	4.970	47.770	50.000	-4.5
Methoxychlor	6.749	6.651	6.851	47.300	50.000	-5.4
Tetrachloro-m-xylene	2.879	2.779	2.979	48.150	50.000	-3.7

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:13
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: Jul 24 02:11:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	139.5E6	942.1E6	48.430	48.151
28)	SA Decachlor...	9.068	8.067	196.2E6	1151.1E6	47.771	46.854
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	286.0E6	1451.4E6	50.089	48.309
3)	MA gamma-BHC...	4.328	3.727	272.5E6	1342.2E6	49.394	48.347
4)	MA Heptachlor	4.927	4.080	269.7E6	1351.0E6	49.457	48.218
5)	MB Aldrin	5.268	4.365	258.8E6	1321.4E6	49.447	48.249
6)	B beta-BHC	4.514	4.022	104.7E6	562.8E6	48.556	47.280
7)	B delta-BHC	4.762	4.259	266.1E6	1356.1E6	50.347	48.613
8)	B Heptachlo...	5.688	4.869	233.8E6	1187.8E6	49.492	47.775
9)	A Endosulfan I	6.071	5.243	216.7E6	1125.3E6	48.753	47.389
10)	B gamma-Chl...	5.943	5.122	232.5E6	1279.0E6	49.042	47.807
11)	B alpha-Chl...	6.024	5.186	232.1E6	1229.0E6	48.690	47.650
12)	B 4,4'-DDE	6.193	5.371	207.7E6	1251.2E6	48.365	47.654
13)	MA Dieldrin	6.344	5.509	232.1E6	1265.2E6	49.177	47.876
14)	MA Endrin	6.571	5.785	196.7E6	1168.1E6	48.292	48.306
15)	B Endosulfa...	6.783	6.077	193.3E6	1097.5E6	47.516	47.783
16)	A 4,4'-DDD	6.702	5.925	166.6E6	1043.6E6	49.156	47.604
17)	MA 4,4'-DDT	7.018	6.179	184.3E6	1122.8E6	48.856	47.968
18)	B Endrin al...	6.912	6.255	143.8E6	808.3E6	49.322	48.702
19)	B Endosulfa...	7.146	6.478	182.1E6	1056.3E6	48.238	47.584
20)	A Methoxychlor	7.491	6.749	94829913	576.7E6	47.299	47.302
21)	B Endrin ke...	7.627	6.987	196.3E6	1157.3E6	48.785	47.259
22)	Mirex	8.111	7.181	145.6E6	910.5E6	47.343	47.102

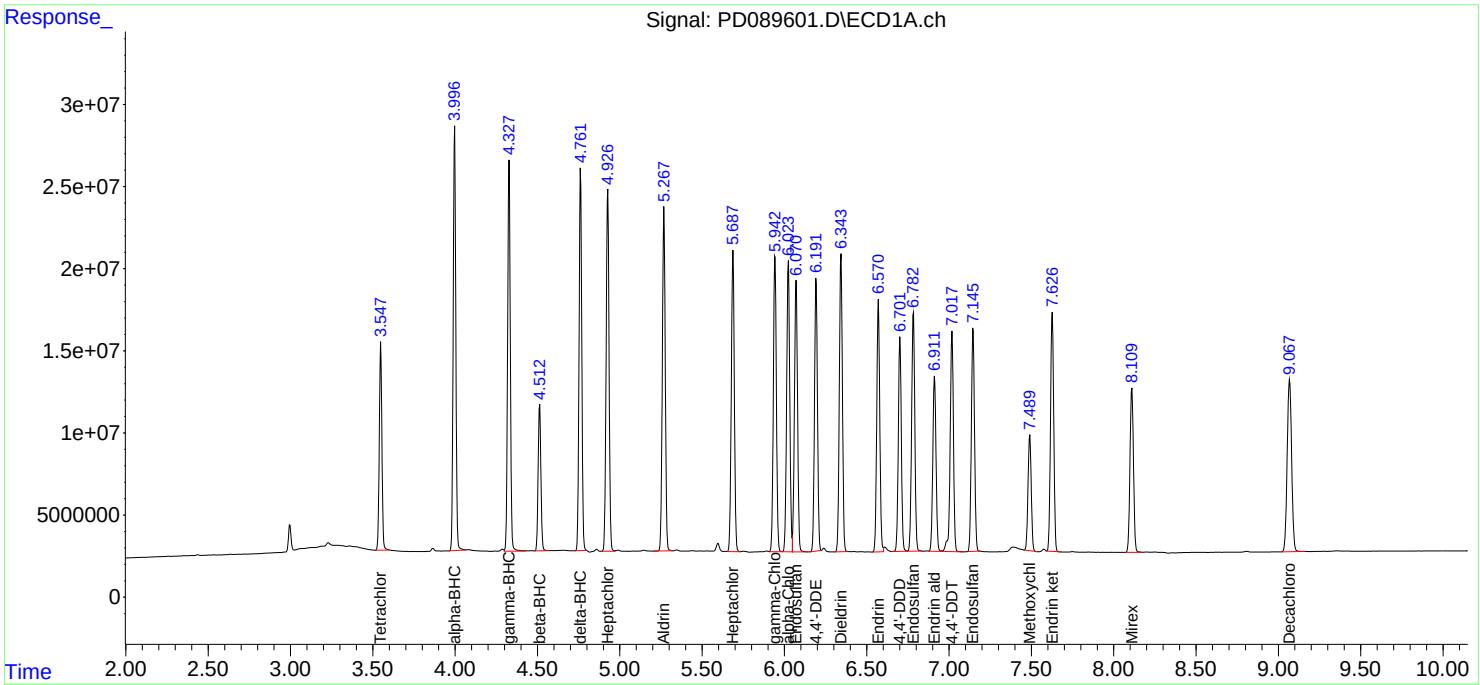
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

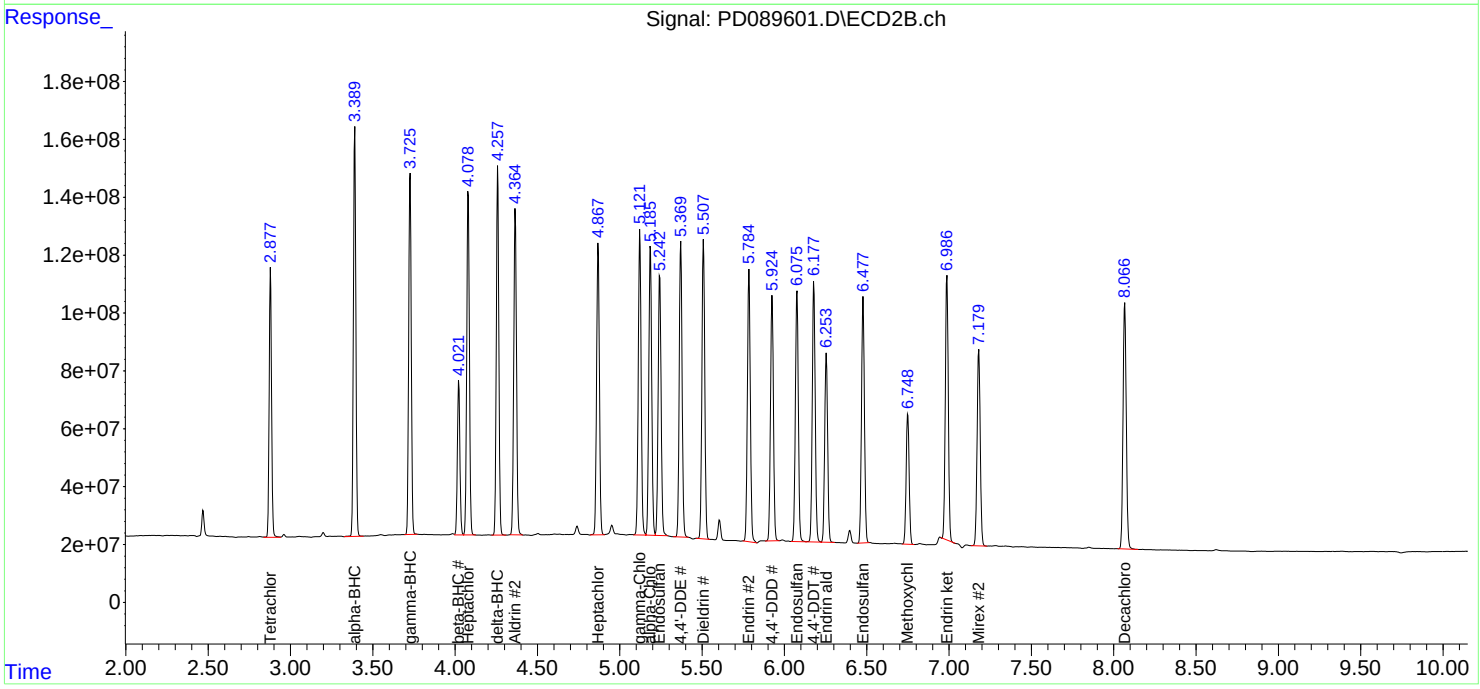
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:13
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

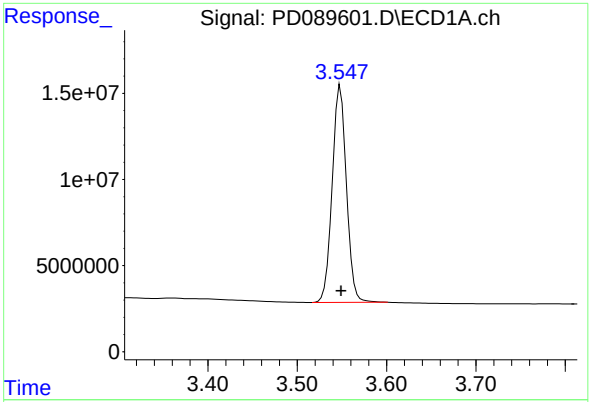
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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



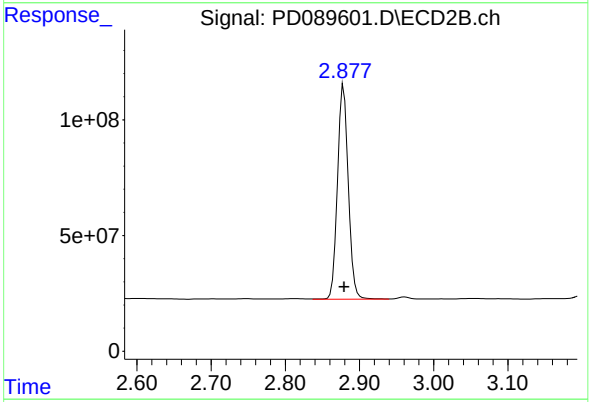




#1 Tetrachloro-m-xylene

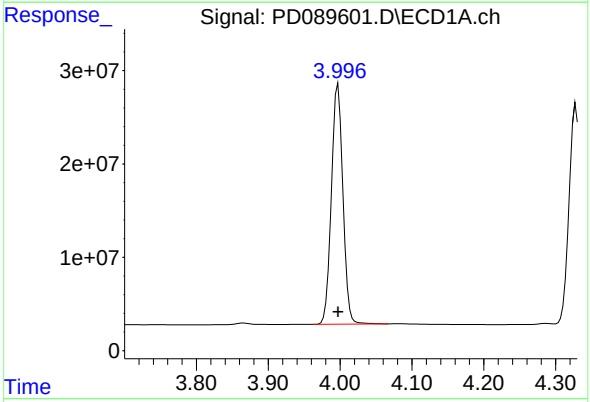
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 139544539
Conc: 48.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



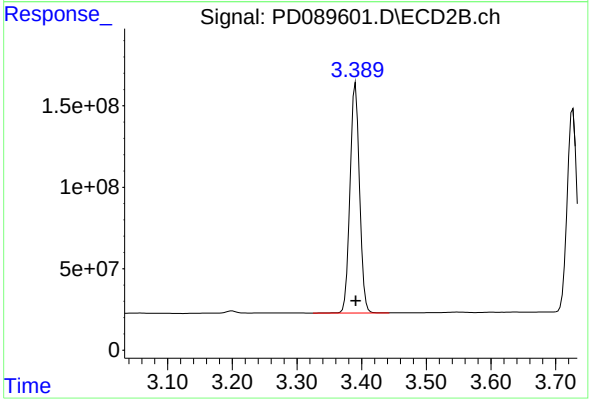
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 942124901
Conc: 48.15 ng/ml



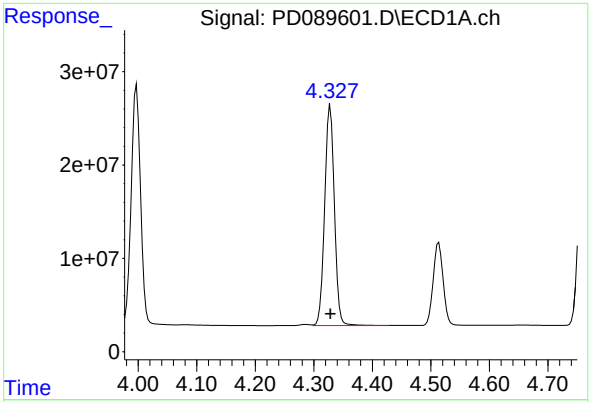
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 285988952
Conc: 50.09 ng/ml



#2 alpha-BHC

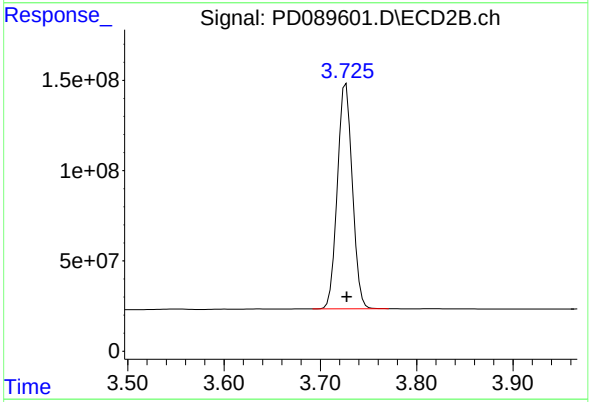
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1451437865
Conc: 48.31 ng/ml



#3 gamma-BHC (Lindane)

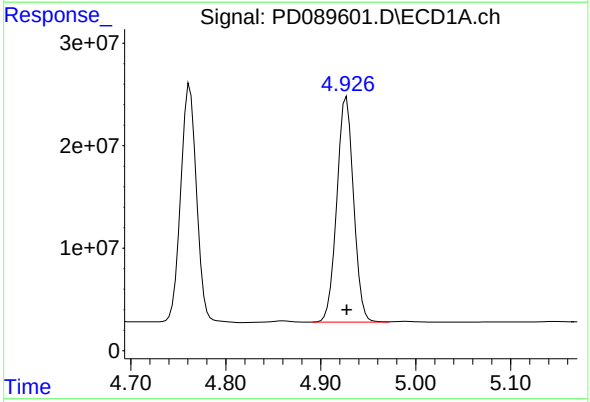
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 272528358
Conc: 49.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



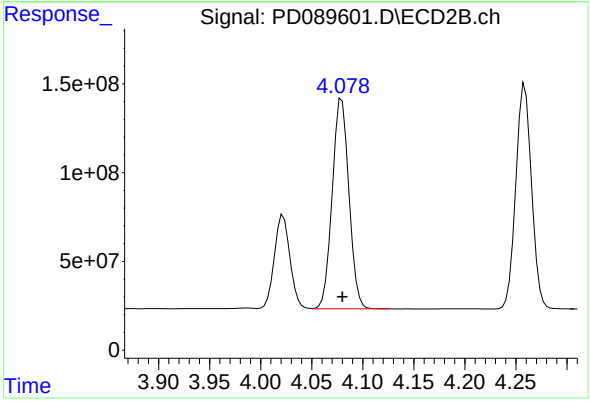
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1342227603
Conc: 48.35 ng/ml



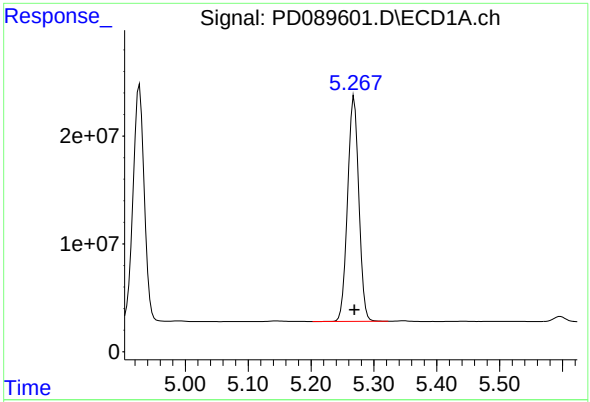
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 269731882
Conc: 49.46 ng/ml



#4 Heptachlor

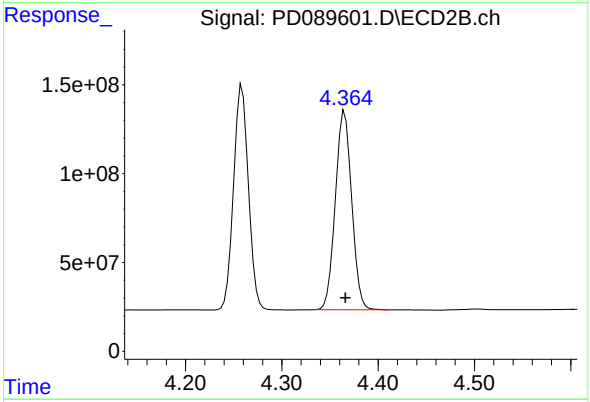
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1350996463
Conc: 48.22 ng/ml



#5 Aldrin

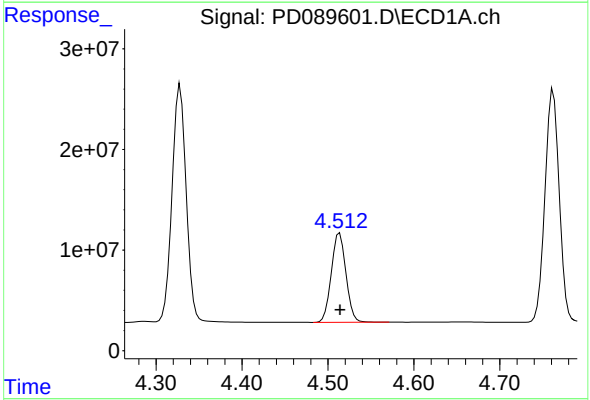
R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 258750403
Conc: 49.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



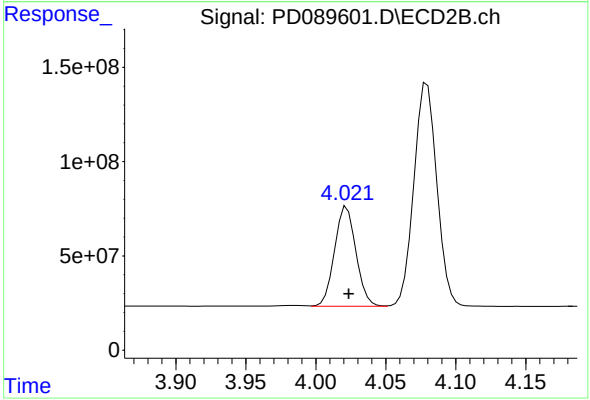
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1321350889
Conc: 48.25 ng/ml



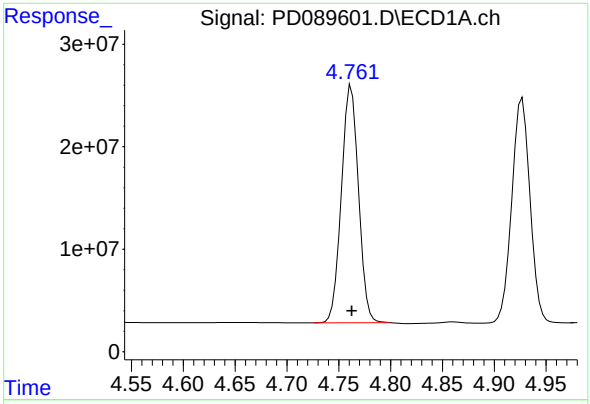
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 104693392
Conc: 48.56 ng/ml



#6 beta-BHC

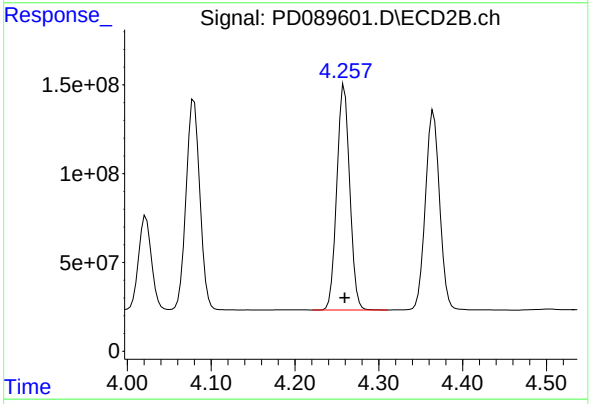
R.T.: 4.022 min
Delta R.T.: -0.001 min
Response: 562761552
Conc: 47.28 ng/ml



#7 delta-BHC

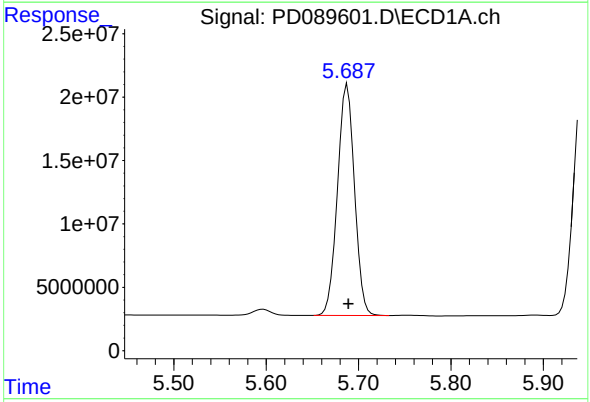
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 266094181
Conc: 50.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



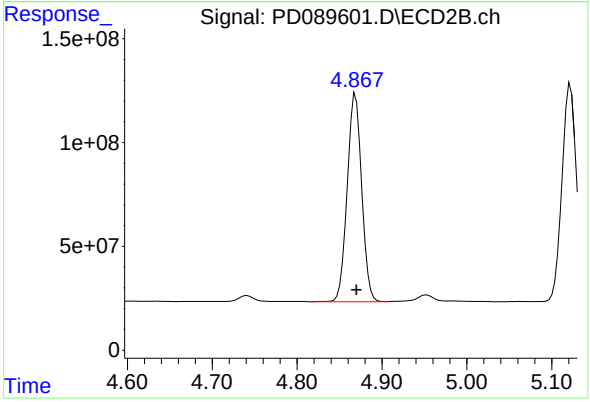
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1356122024
Conc: 48.61 ng/ml



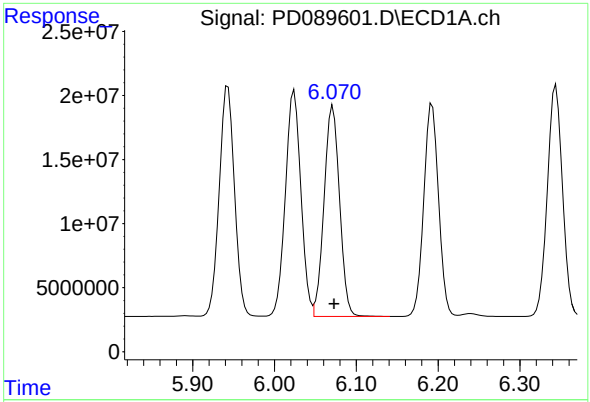
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: -0.001 min
Response: 233778655
Conc: 49.49 ng/ml



#8 Heptachlor epoxide

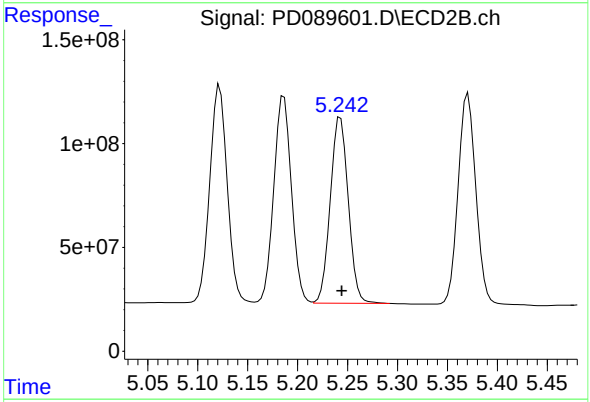
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1187759022
Conc: 47.77 ng/ml



#9 Endosulfan I

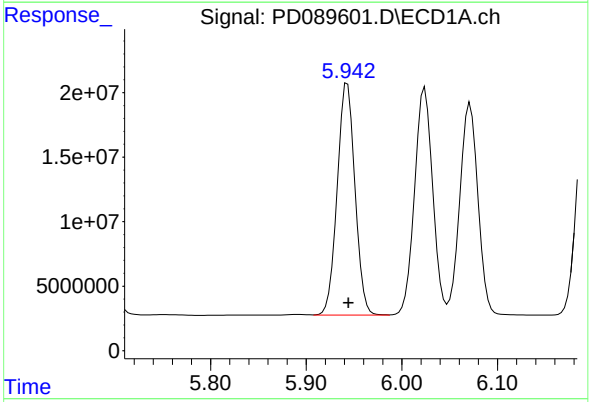
R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 216737109
Conc: 48.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



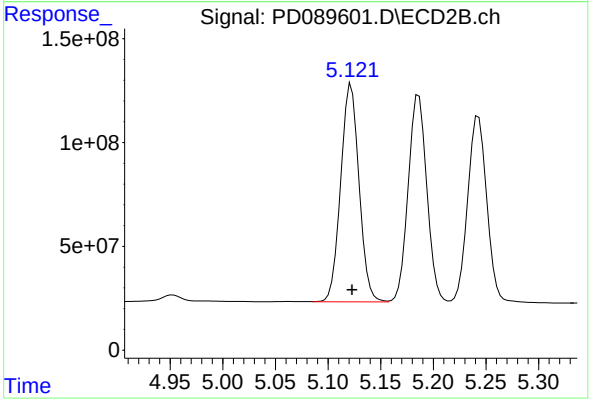
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: -0.001 min
Response: 1125312622
Conc: 47.39 ng/ml



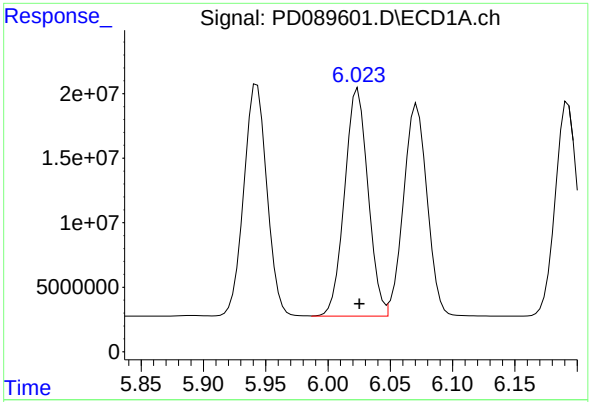
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 232510574
Conc: 49.04 ng/ml



#10 gamma-Chlordane

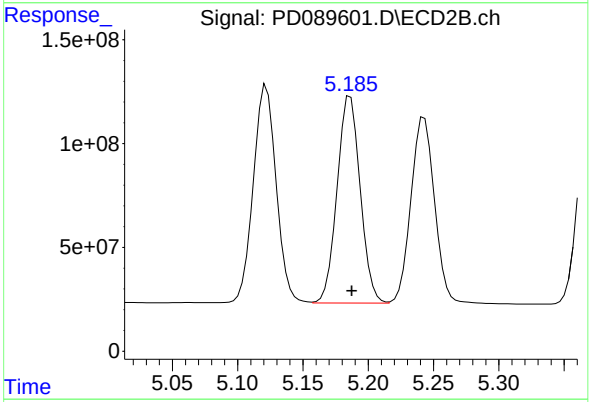
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1278964055
Conc: 47.81 ng/ml



#11 alpha-Chlordane

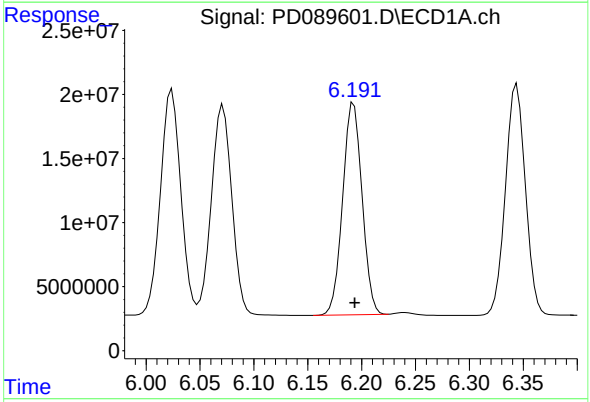
R.T.: 6.024 min
Delta R.T.: -0.001 min
Response: 232091710
Conc: 48.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



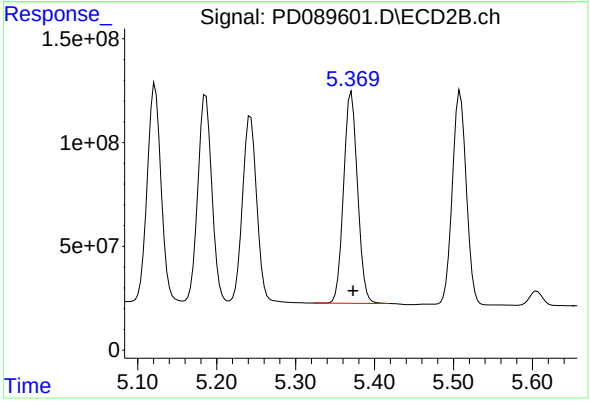
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 1229006617
Conc: 47.65 ng/ml



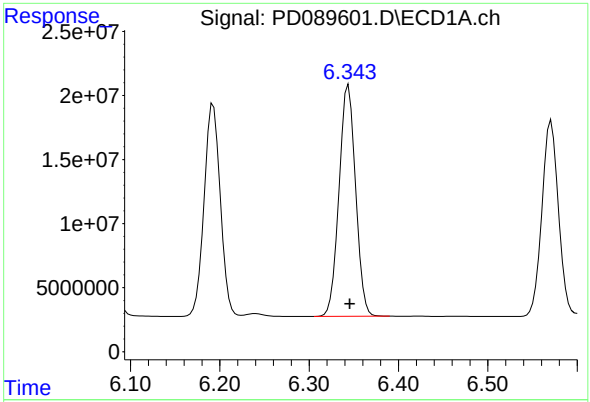
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 207671670
Conc: 48.37 ng/ml



#12 4,4'-DDE

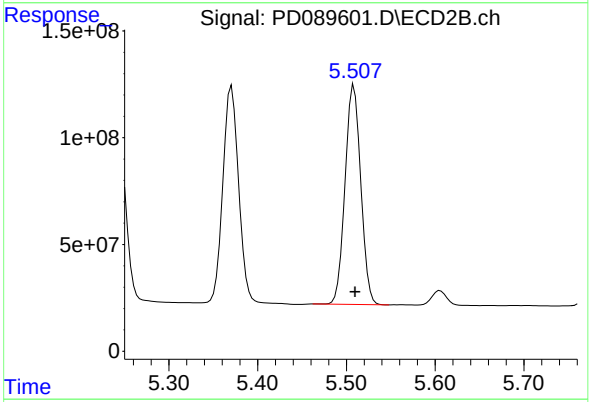
R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 1251228248
Conc: 47.65 ng/ml



#13 Dieldrin

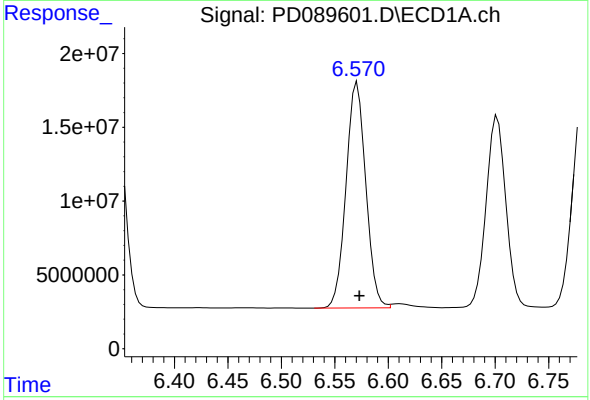
R.T.: 6.344 min
Delta R.T.: -0.001 min
Response: 232147026
Conc: 49.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



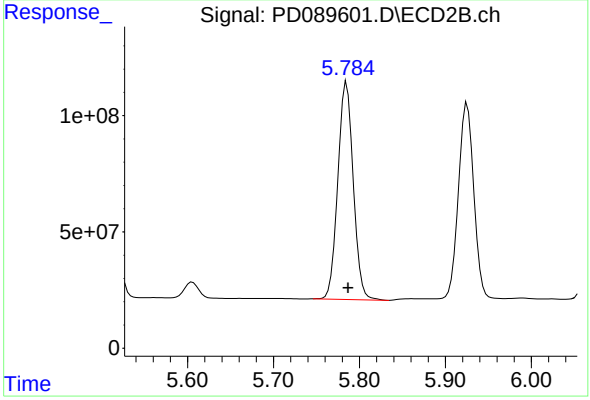
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.001 min
Response: 1265214656
Conc: 47.88 ng/ml



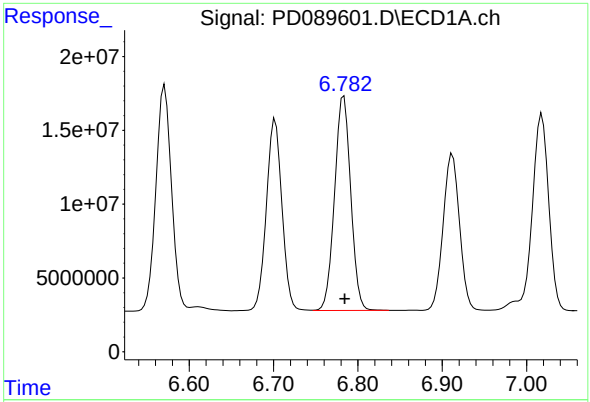
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 196672921
Conc: 48.29 ng/ml



#14 Endrin

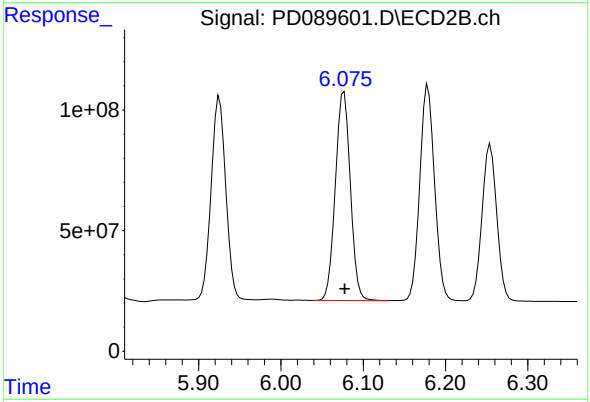
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1168112034
Conc: 48.31 ng/ml



#15 Endosulfan II

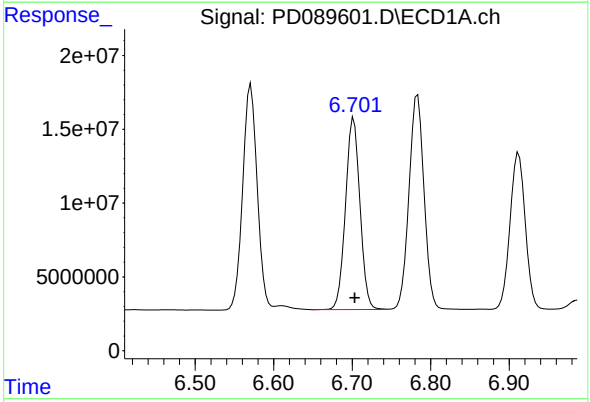
R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 193339868
Conc: 47.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



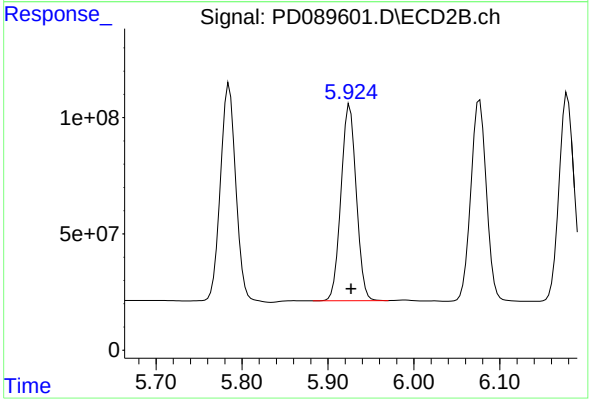
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 1097495687
Conc: 47.78 ng/ml



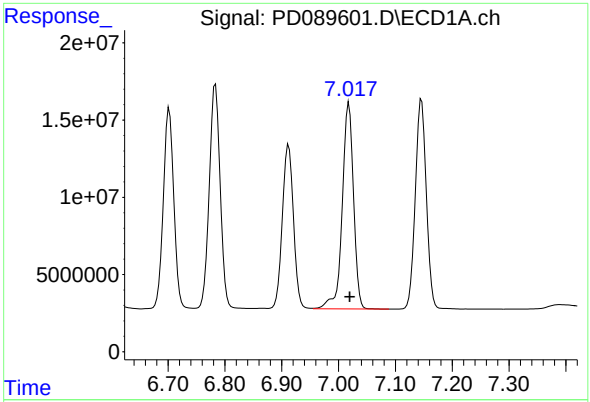
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.001 min
Response: 166576054
Conc: 49.16 ng/ml



#16 4,4'-DDD

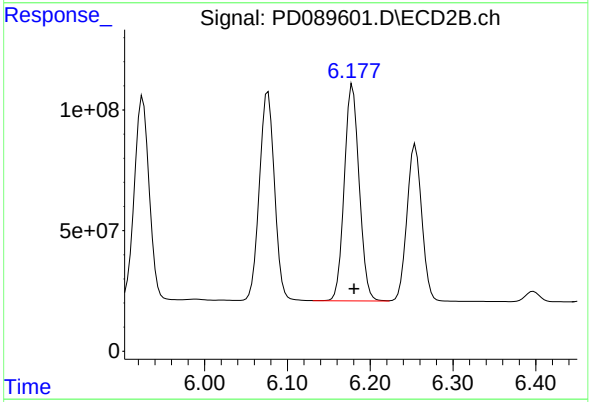
R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 1043559681
Conc: 47.60 ng/ml



#17 4,4'-DDT

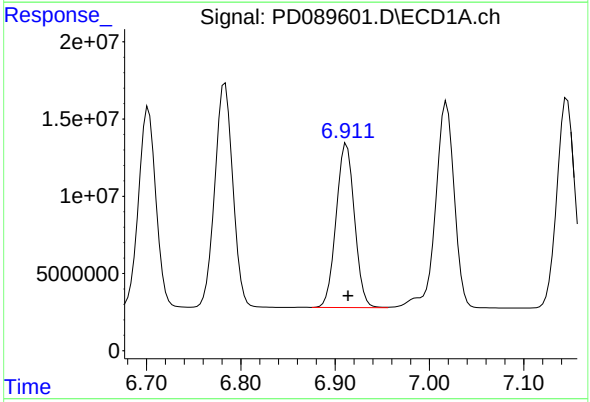
R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 184329903
Conc: 48.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



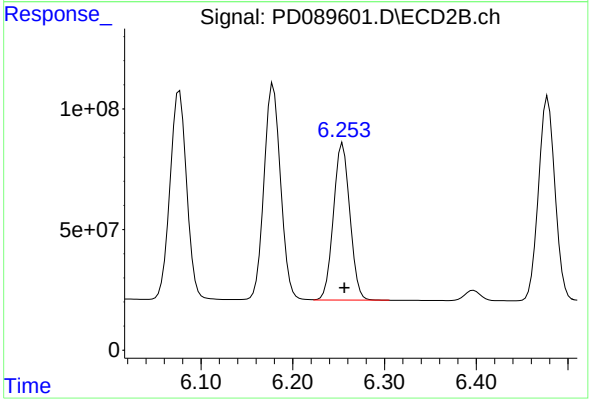
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 1122789325
Conc: 47.97 ng/ml



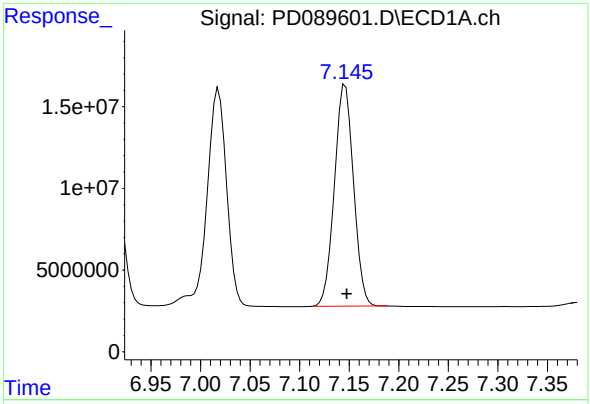
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.001 min
Response: 143802473
Conc: 49.32 ng/ml



#18 Endrin aldehyde

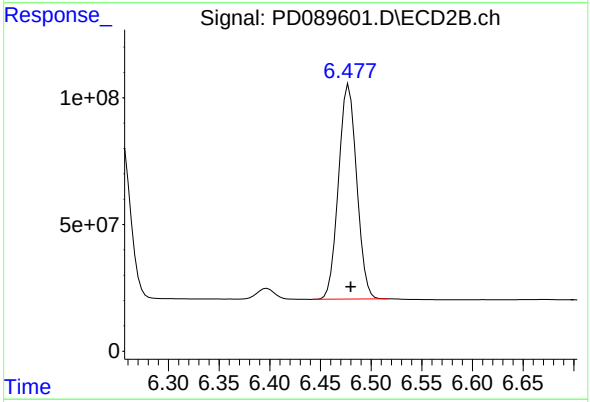
R.T.: 6.255 min
Delta R.T.: -0.002 min
Response: 808325515
Conc: 48.70 ng/ml



#19 Endosulfan Sulfate

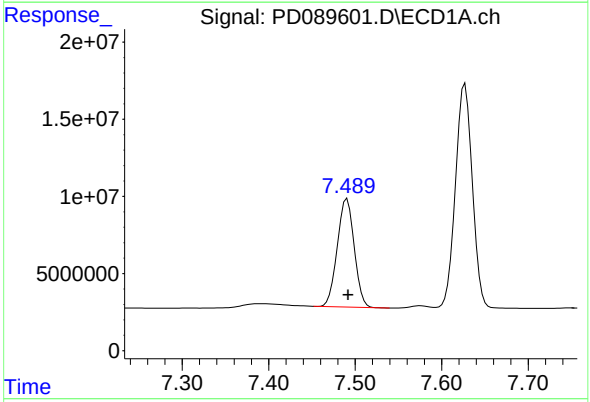
R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 182057122
Conc: 48.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



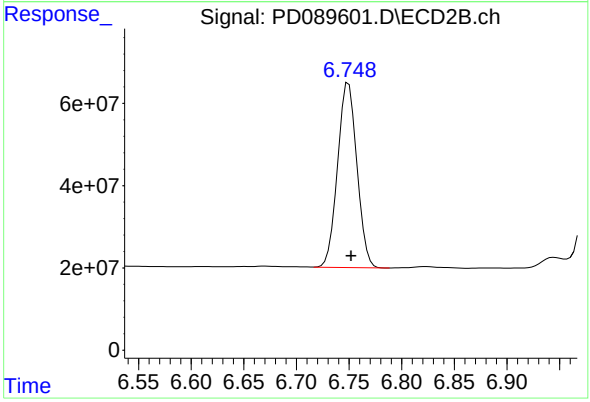
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.002 min
Response: 1056278143
Conc: 47.58 ng/ml



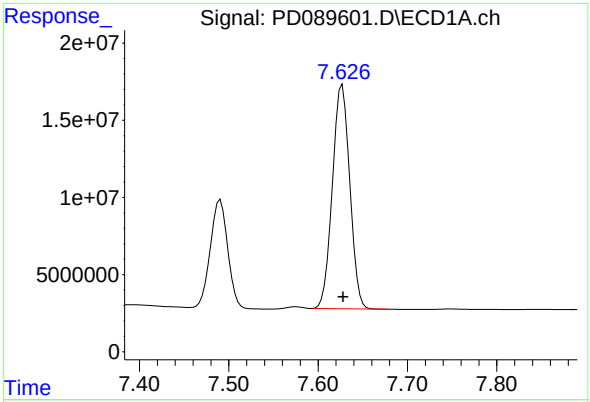
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 94829913
Conc: 47.30 ng/ml



#20 Methoxychlor

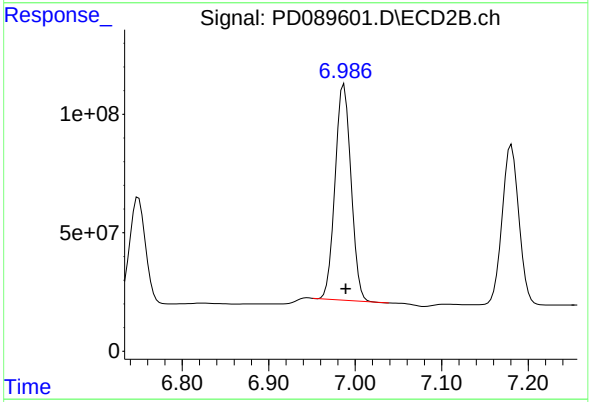
R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 576707186
Conc: 47.30 ng/ml



#21 Endrin ketone

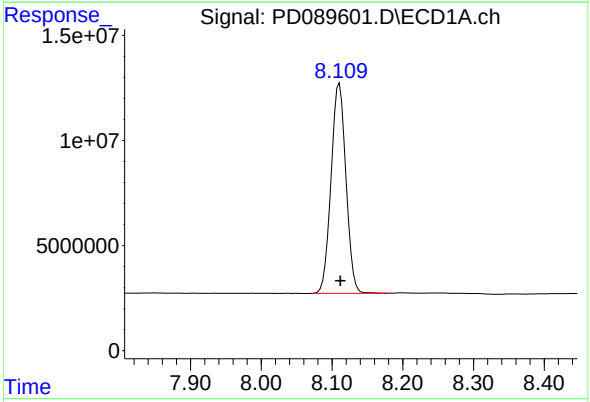
R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 196325207
Conc: 48.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



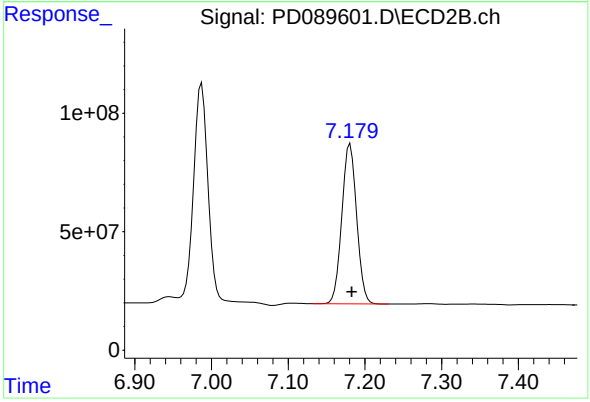
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 1157332604
Conc: 47.26 ng/ml



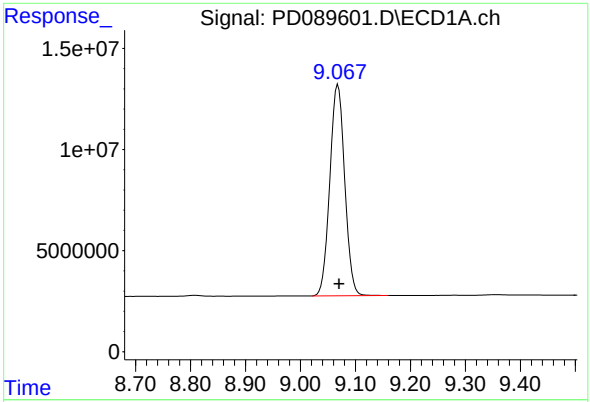
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.001 min
Response: 145637104
Conc: 47.34 ng/ml



#22 Mirex

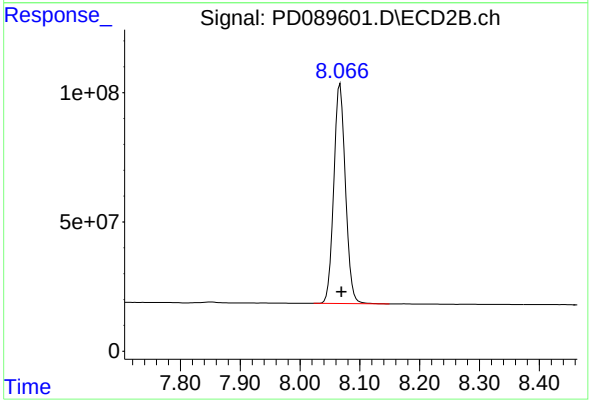
R.T.: 7.181 min
Delta R.T.: -0.002 min
Response: 910460218
Conc: 47.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.002 min
Response: 196195742
Conc: 47.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 1151124531
Conc: 46.85 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 18:29 **Initial Calibration Time(s):** 12:49 13:44

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	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 18:29 **Initial Calibration Time(s):** 12:49 13:44

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	0.01
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	6.26	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:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089611.D **Time Analyzed:** 18:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.603	6.803	50.450	50.000	0.9
4,4'-DDE	6.192	6.094	6.294	49.230	50.000	-1.5
4,4'-DDT	7.017	6.919	7.119	49.580	50.000	-0.8
Aldrin	5.268	5.169	5.369	50.610	50.000	1.2
alpha-BHC	3.997	3.898	4.098	51.500	50.000	3.0
alpha-Chlordane	6.023	5.924	6.124	49.830	50.000	-0.3
beta-BHC	4.513	4.414	4.614	49.800	50.000	-0.4
Decachlorobiphenyl	9.067	8.971	9.171	48.760	50.000	-2.5
delta-BHC	4.762	4.663	4.863	51.810	50.000	3.6
Dieldrin	6.343	6.245	6.445	50.270	50.000	0.5
Endosulfan I	6.071	5.972	6.172	49.960	50.000	-0.1
Endosulfan II	6.782	6.684	6.884	48.160	50.000	-3.7
Endosulfan sulfate	7.145	7.047	7.247	49.230	50.000	-1.5
Endrin	6.571	6.472	6.672	49.330	50.000	-1.3
Endrin aldehyde	6.911	6.813	7.013	50.030	50.000	0.1
Endrin ketone	7.626	7.528	7.728	50.020	50.000	0.0
gamma-BHC (Lindane)	4.327	4.228	4.428	51.000	50.000	2.0
gamma-Chlordane	5.942	5.844	6.044	50.790	50.000	1.6
Heptachlor	4.926	4.827	5.027	50.300	50.000	0.6
Heptachlor epoxide	5.687	5.588	5.788	50.480	50.000	1.0
Methoxychlor	7.489	7.392	7.592	47.960	50.000	-4.1
Tetrachloro-m-xylene	3.548	3.448	3.648	49.740	50.000	-0.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089611.D **Time Analyzed:** 18:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.827	6.027	49.070	50.000	-1.9
4,4'-DDE	5.371	5.272	5.472	48.730	50.000	-2.5
4,4'-DDT	6.179	6.081	6.281	49.420	50.000	-1.2
Aldrin	4.365	4.266	4.466	49.390	50.000	-1.2
alpha-BHC	3.390	3.291	3.491	49.880	50.000	-0.2
alpha-Chlordane	5.186	5.087	5.287	49.010	50.000	-2.0
beta-BHC	4.022	3.923	4.123	48.990	50.000	-2.0
Decachlorobiphenyl	8.067	7.970	8.170	48.190	50.000	-3.6
delta-BHC	4.259	4.160	4.360	50.340	50.000	0.7
Dieldrin	5.509	5.410	5.610	49.450	50.000	-1.1
Endosulfan I	5.243	5.144	5.344	48.520	50.000	-3.0
Endosulfan II	6.076	5.978	6.178	48.950	50.000	-2.1
Endosulfan sulfate	6.478	6.379	6.579	48.860	50.000	-2.3
Endrin	5.785	5.687	5.887	50.700	50.000	1.4
Endrin aldehyde	6.255	6.156	6.356	49.950	50.000	-0.1
Endrin ketone	6.987	6.889	7.089	48.150	50.000	-3.7
gamma-BHC (Lindane)	3.727	3.627	3.827	49.910	50.000	-0.2
gamma-Chlordane	5.121	5.023	5.223	49.590	50.000	-0.8
Heptachlor	4.080	3.980	4.180	49.990	50.000	0.0
Heptachlor epoxide	4.869	4.770	4.970	49.380	50.000	-1.2
Methoxychlor	6.749	6.651	6.851	49.100	50.000	-1.8
Tetrachloro-m-xylene	2.879	2.779	2.979	49.410	50.000	-1.2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:29
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: Jul 24 02:13:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	143.3E6	966.7E6	49.740	49.409
28)	SA Decachlor...	9.067	8.067	200.3E6	1184.0E6	48.763	48.191
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	294.0E6	1498.5E6	51.497	49.876
3)	MA gamma-BHC...	4.327	3.727	281.4E6	1385.7E6	50.999	49.915
4)	MA Heptachlor	4.926	4.080	274.3E6	1400.6E6	50.298	49.989
5)	MB Aldrin	5.268	4.365	264.8E6	1352.5E6	50.609	49.386
6)	B beta-BHC	4.513	4.022	107.4E6	583.1E6	49.803	48.989
7)	B delta-BHC	4.762	4.259	273.8E6	1404.2E6	51.809	50.337
8)	B Heptachlo...	5.687	4.869	238.4E6	1227.8E6	50.479	49.385
9)	A Endosulfan I	6.071	5.243	222.1E6	1152.1E6	49.957	48.517
10)	B gamma-Chl...	5.942	5.121	240.8E6	1326.8E6	50.793	49.594
11)	B alpha-Chl...	6.023	5.186	237.5E6	1264.2E6	49.828	49.014
12)	B 4,4'-DDE	6.192	5.371	211.4E6	1279.5E6	49.230	48.733
13)	MA Dieldrin	6.343	5.509	237.3E6	1306.9E6	50.275	49.453
14)	MA Endrin	6.571	5.785	200.9E6	1225.9E6	49.328	50.695
15)	B Endosulfa...	6.782	6.076	196.0E6	1124.2E6	48.161	48.945
16)	A 4,4'-DDD	6.702	5.925	171.0E6	1075.8E6	50.454	49.075
17)	MA 4,4'-DDT	7.017	6.179	187.1E6	1156.8E6	49.585	49.421
18)	B Endrin al...	6.911	6.255	145.9E6	829.0E6	50.034	49.950
19)	B Endosulfa...	7.145	6.478	185.8E6	1084.6E6	49.232	48.860
20)	A Methoxychlor	7.489	6.749	96159429	598.6E6	47.962	49.096
21)	B Endrin ke...	7.626	6.987	201.3E6	1179.2E6	50.018	48.153
22)	Mirex	8.109	7.180	149.2E6	934.5E6	48.504	48.345

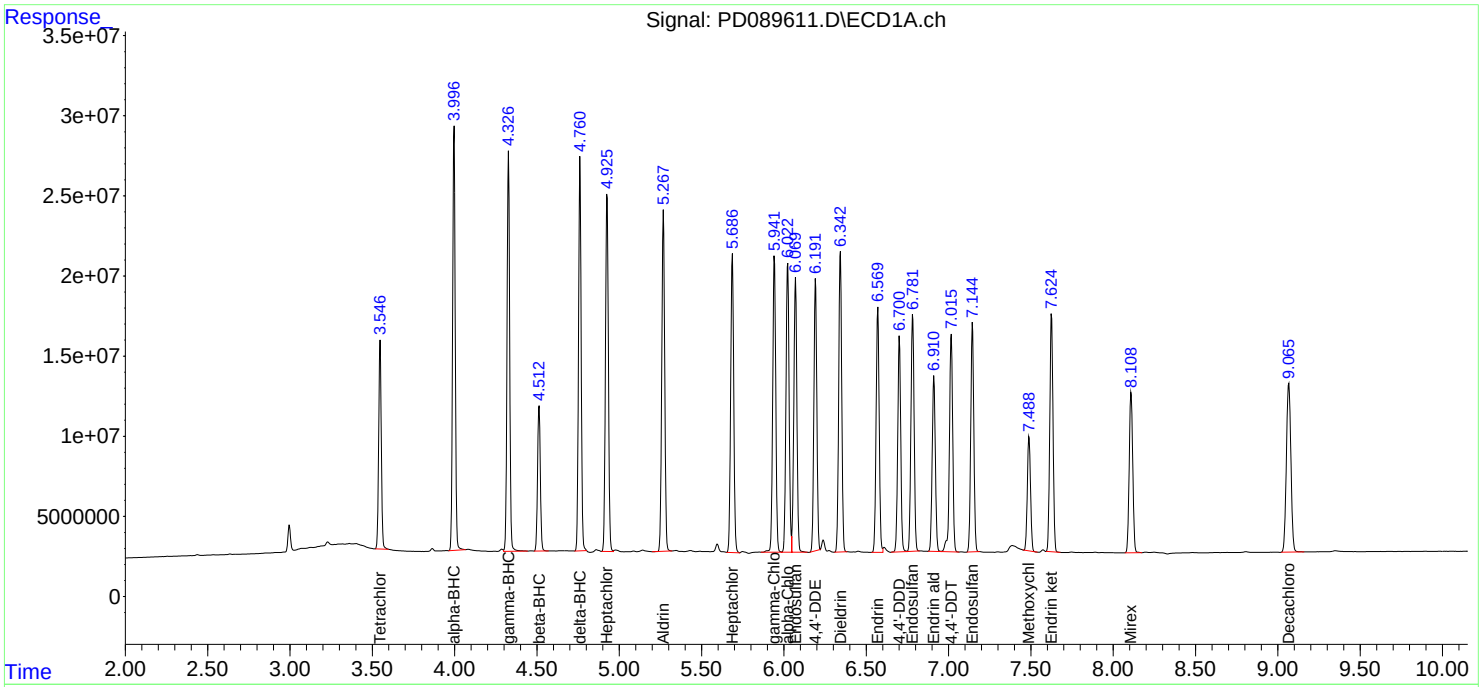
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

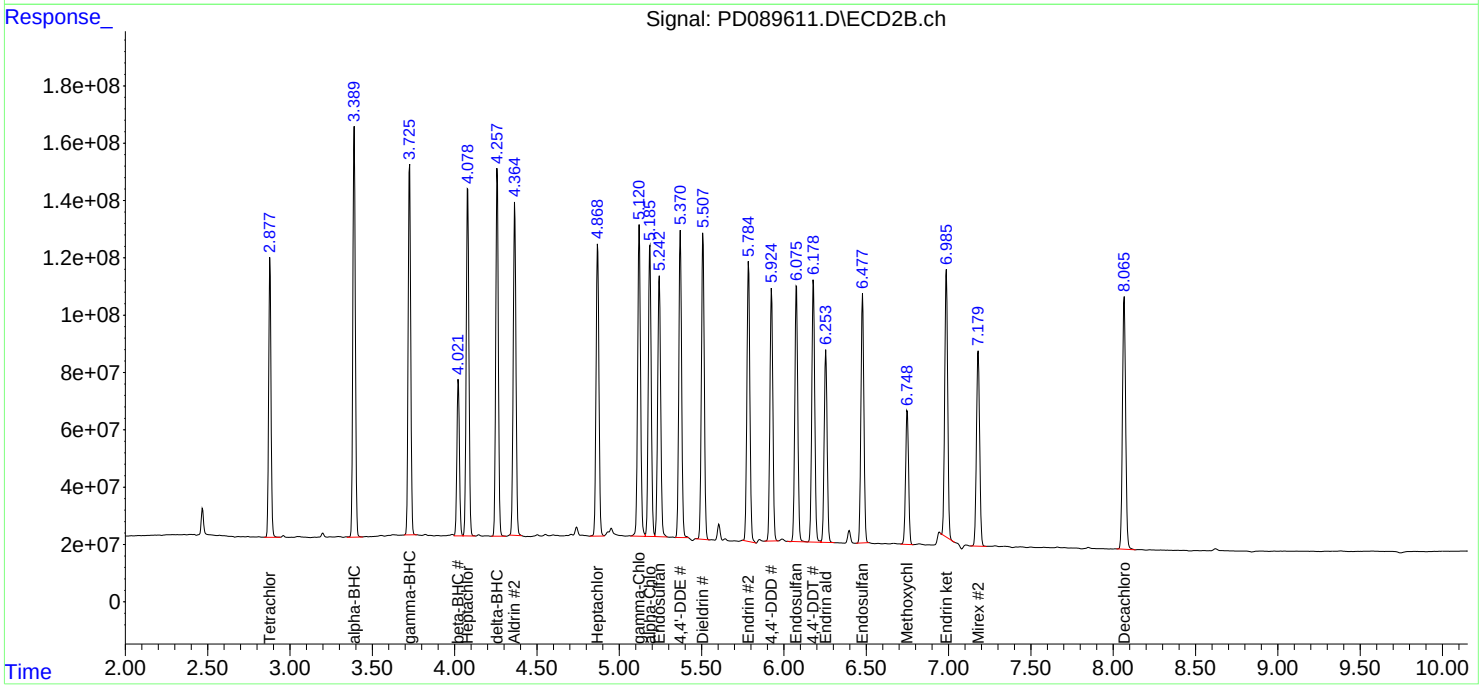
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:29
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

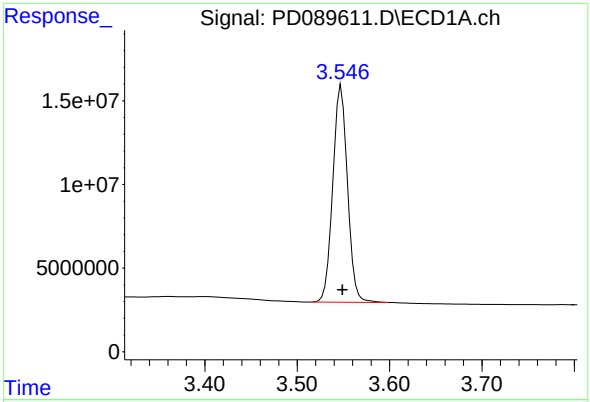
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



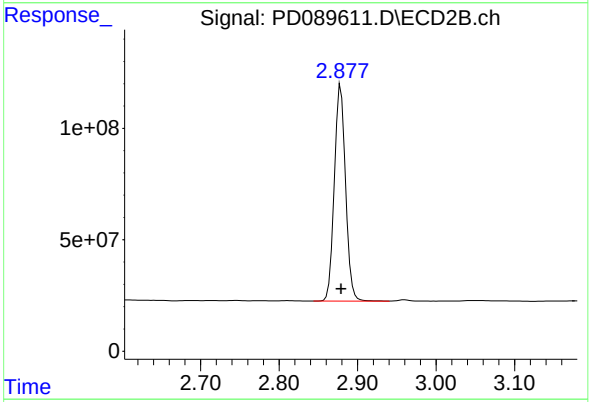




#1 Tetrachloro-m-xylene

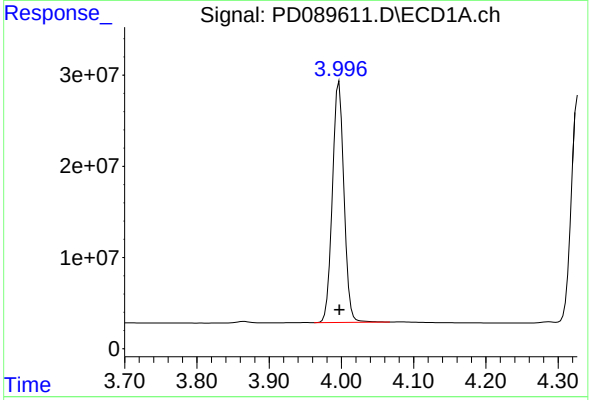
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 143318105
Conc: 49.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



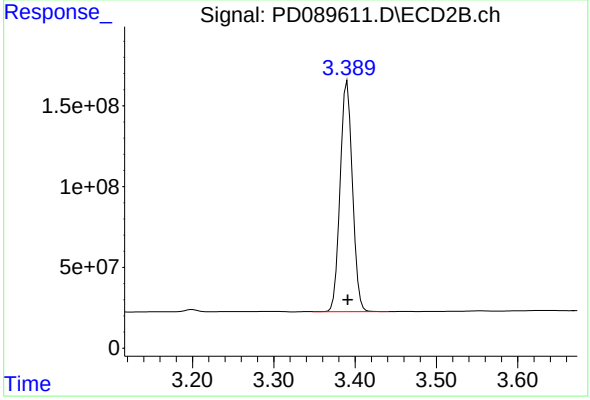
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 966738316
Conc: 49.41 ng/ml



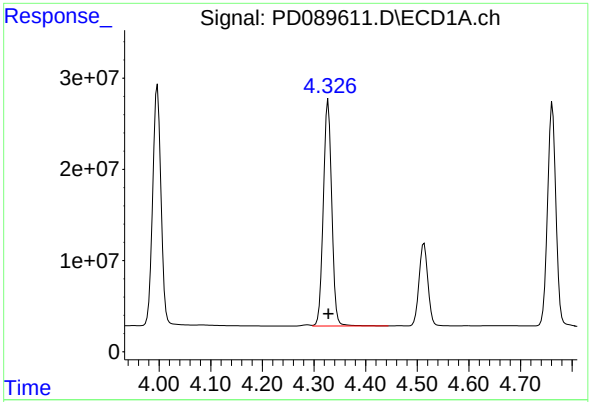
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 294028344
Conc: 51.50 ng/ml



#2 alpha-BHC

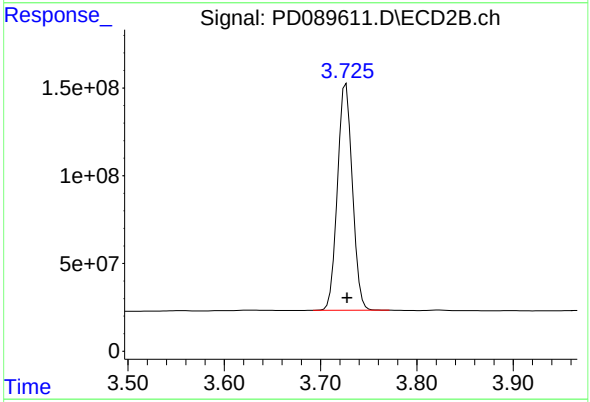
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1498506937
Conc: 49.88 ng/ml



#3 gamma-BHC (Lindane)

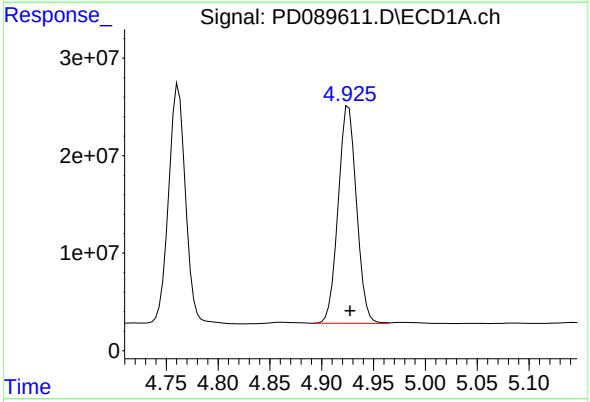
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 281382545
Conc: 51.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



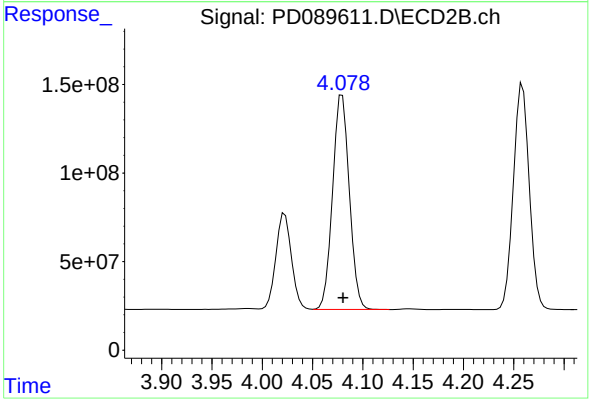
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1385743050
Conc: 49.91 ng/ml



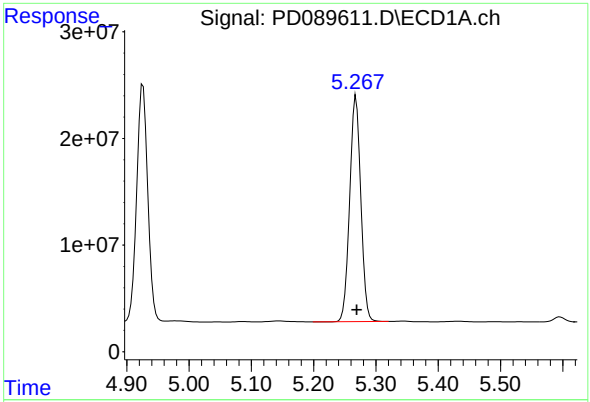
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 274318684
Conc: 50.30 ng/ml



#4 Heptachlor

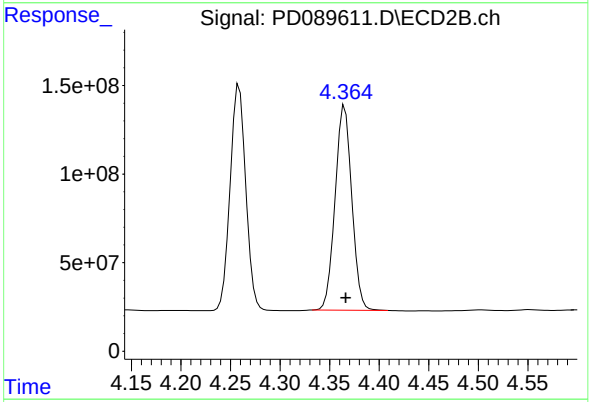
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1400622332
Conc: 49.99 ng/ml



#5 Aldrin

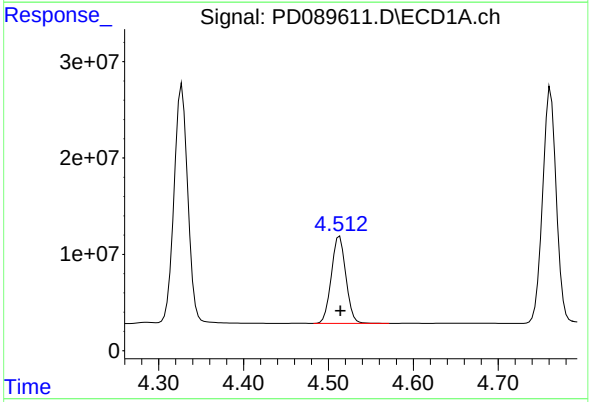
R.T.: 5.268 min
Delta R.T.: -0.001 min
Response: 264830278
Conc: 50.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



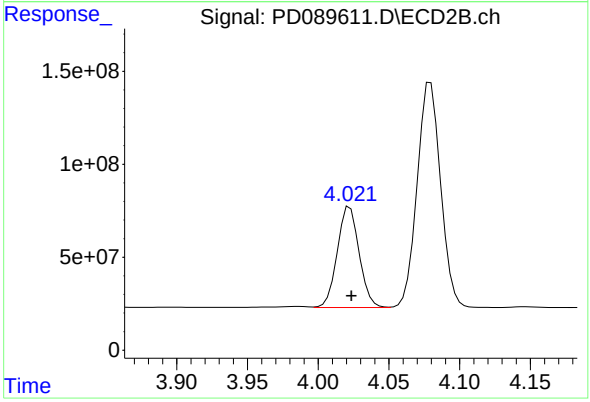
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1352492767
Conc: 49.39 ng/ml



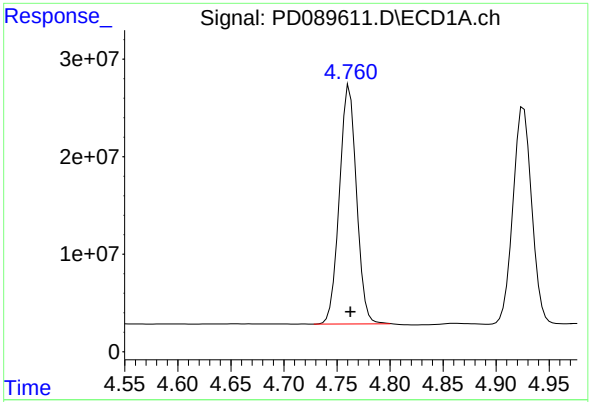
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 107381694
Conc: 49.80 ng/ml



#6 beta-BHC

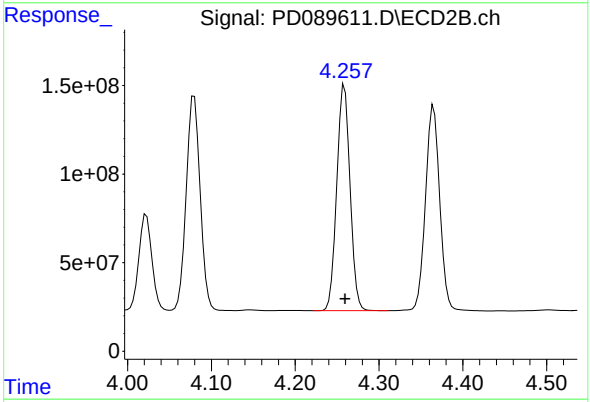
R.T.: 4.022 min
Delta R.T.: -0.001 min
Response: 583098146
Conc: 48.99 ng/ml



#7 delta-BHC

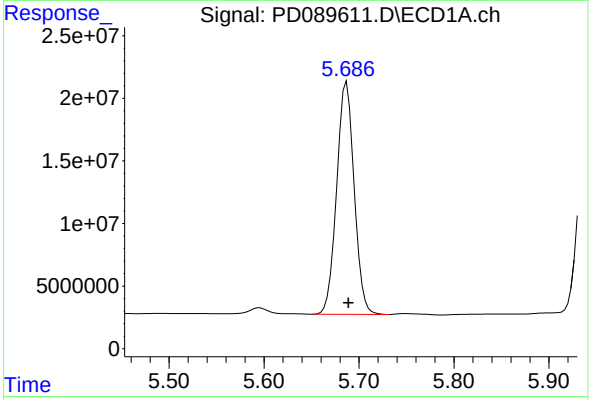
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 273819713
Conc: 51.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



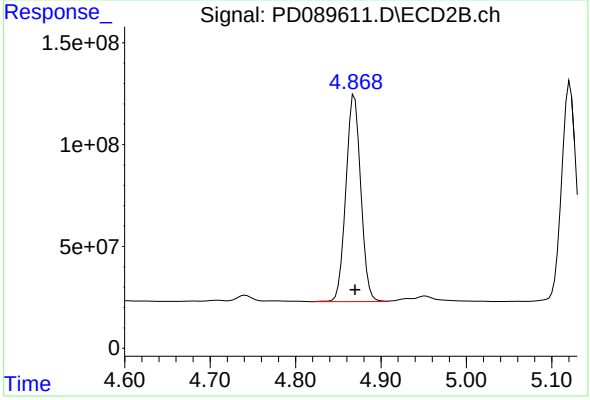
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1404205660
Conc: 50.34 ng/ml



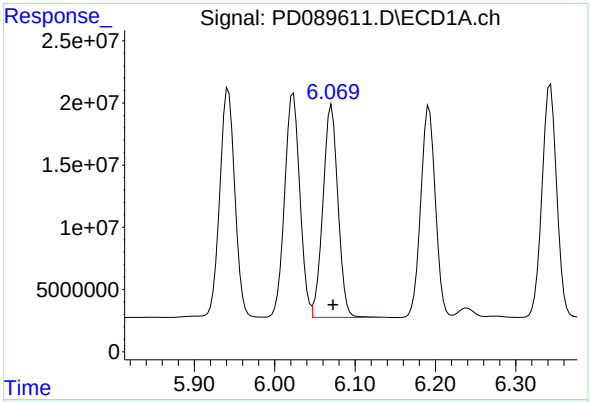
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 238442693
Conc: 50.48 ng/ml



#8 Heptachlor epoxide

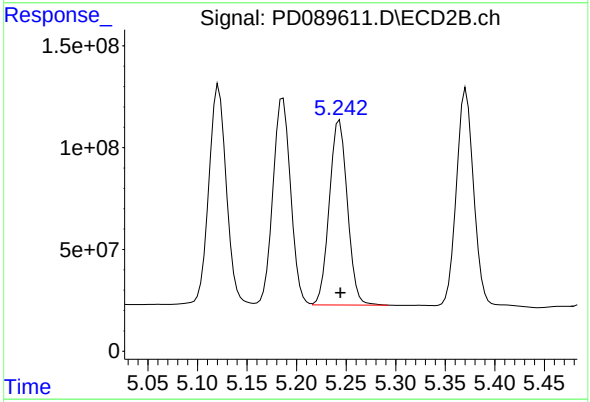
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1227790076
Conc: 49.38 ng/ml



#9 Endosulfan I

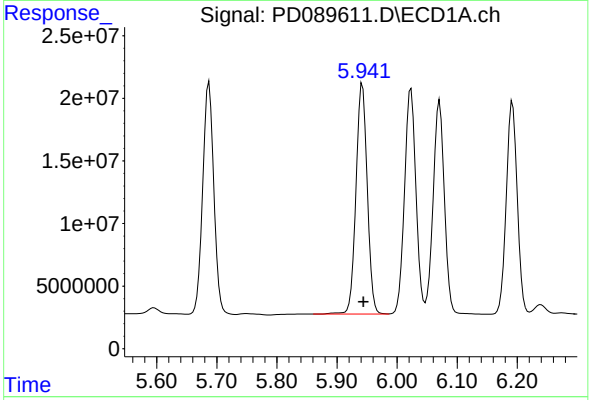
R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 222093614
Conc: 49.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



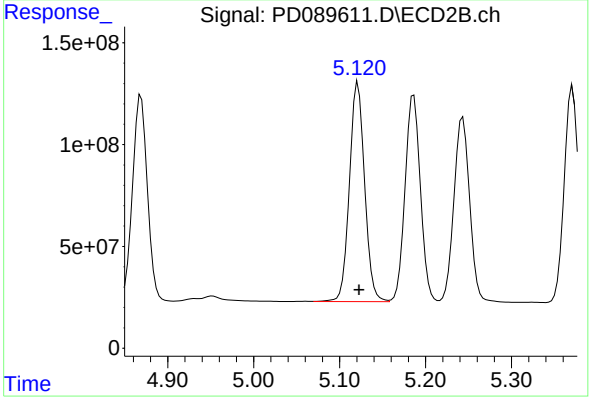
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1152088240
Conc: 48.52 ng/ml



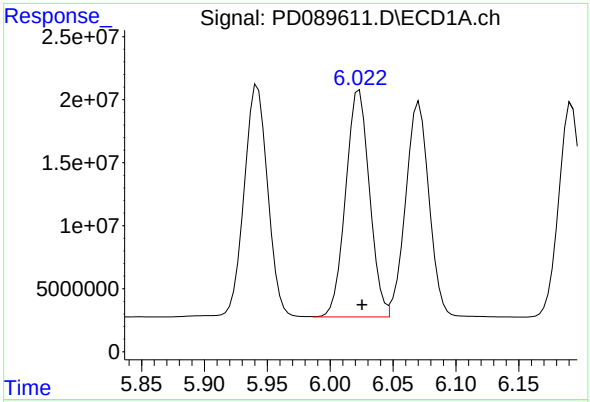
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 240811511
Conc: 50.79 ng/ml



#10 gamma-Chlordane

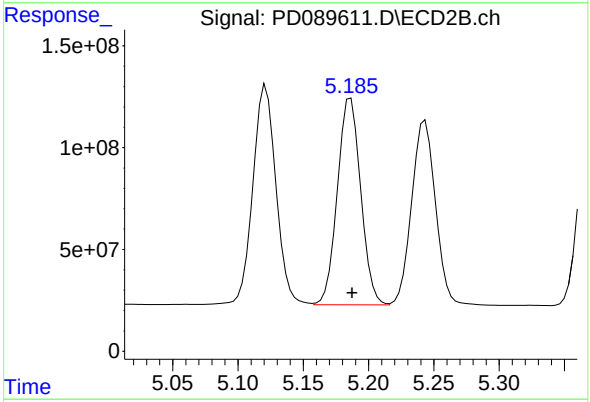
R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 1326763701
Conc: 49.59 ng/ml



#11 alpha-Chlordane

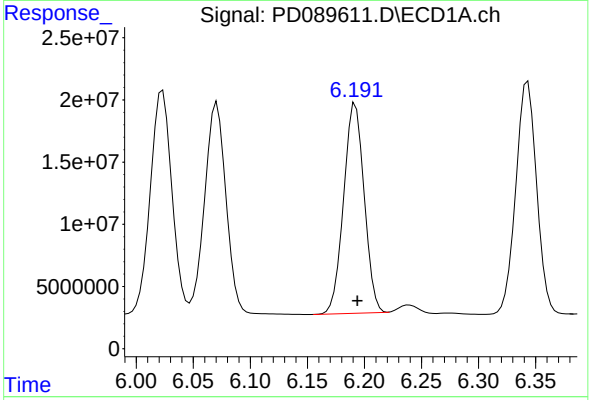
R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 237513100
Conc: 49.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



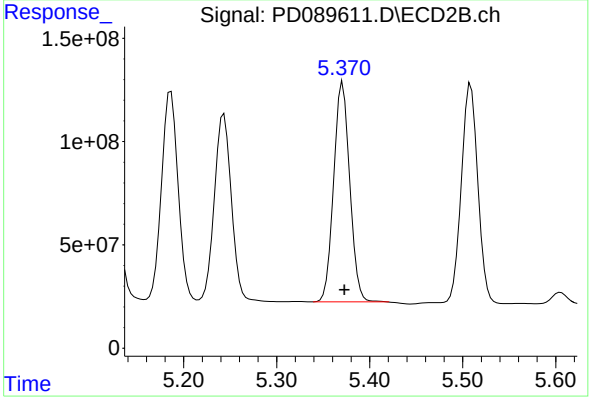
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 1264183136
Conc: 49.01 ng/ml



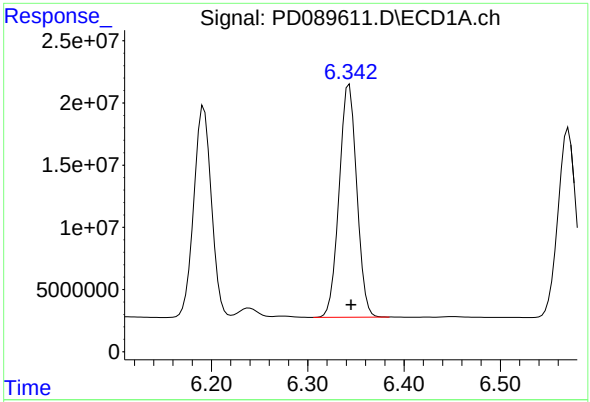
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 211384921
Conc: 49.23 ng/ml



#12 4,4'-DDE

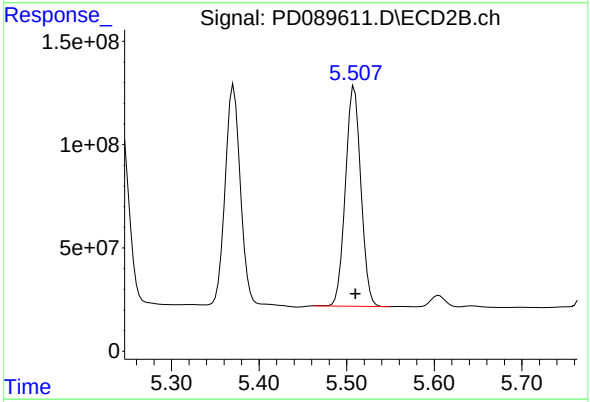
R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 1279537391
Conc: 48.73 ng/ml



#13 Dieldrin

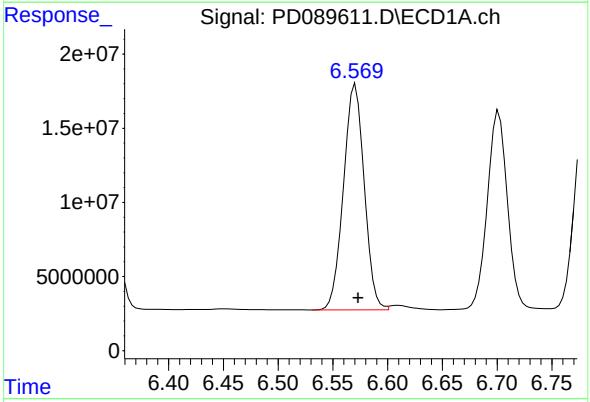
R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 237330337
Conc: 50.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



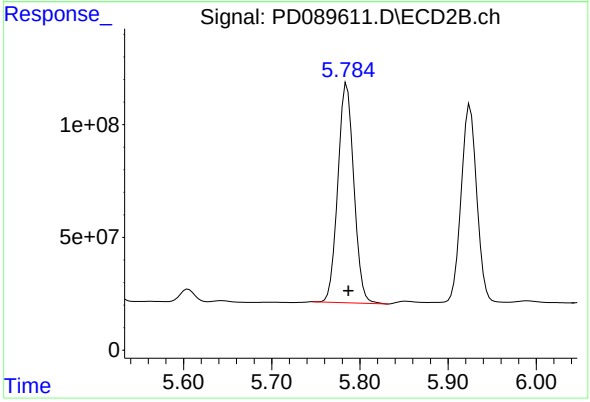
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.001 min
Response: 1306872033
Conc: 49.45 ng/ml



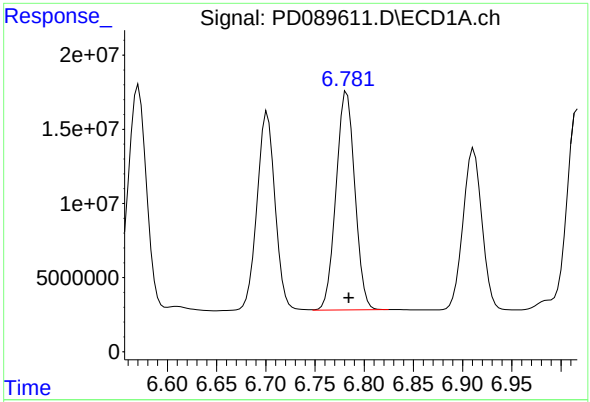
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 200891541
Conc: 49.33 ng/ml



#14 Endrin

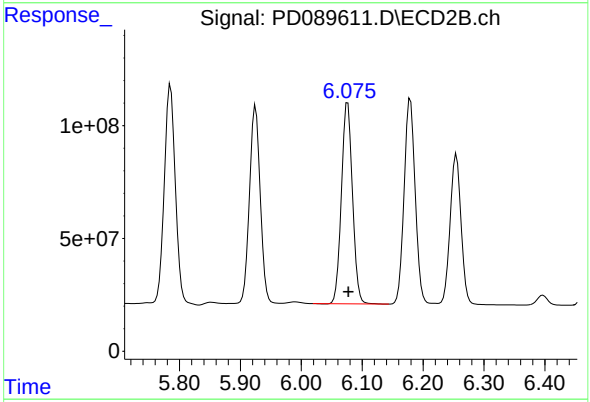
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1225886477
Conc: 50.70 ng/ml



#15 Endosulfan II

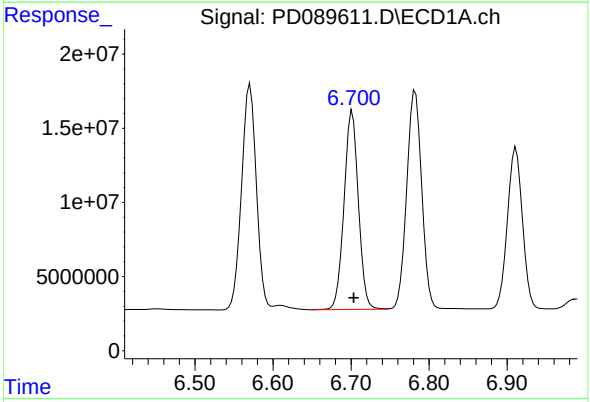
R.T.: 6.782 min
Delta R.T.: -0.002 min
Response: 195961333
Conc: 48.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



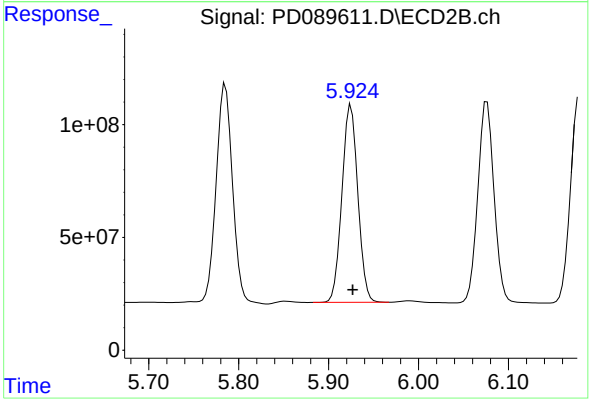
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 1124181851
Conc: 48.95 ng/ml



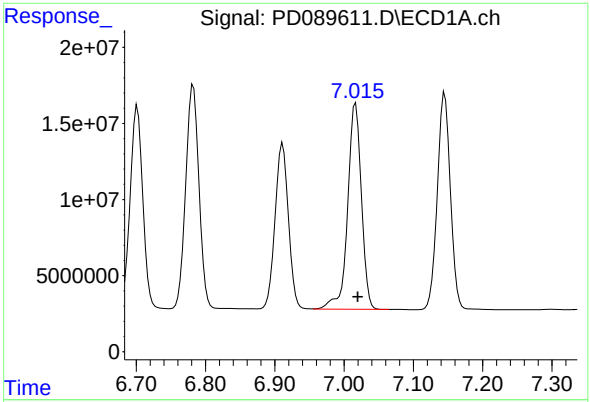
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 170977071
Conc: 50.45 ng/ml



#16 4,4'-DDD

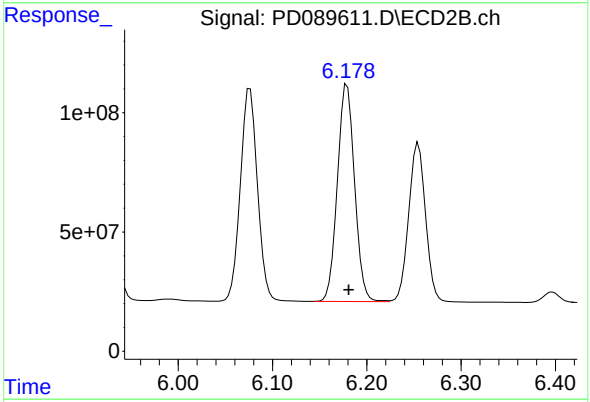
R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 1075810145
Conc: 49.07 ng/ml



#17 4,4'-DDT

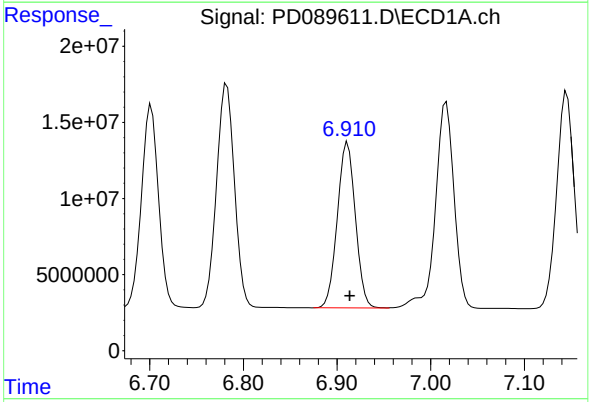
R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 187081086
Conc: 49.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



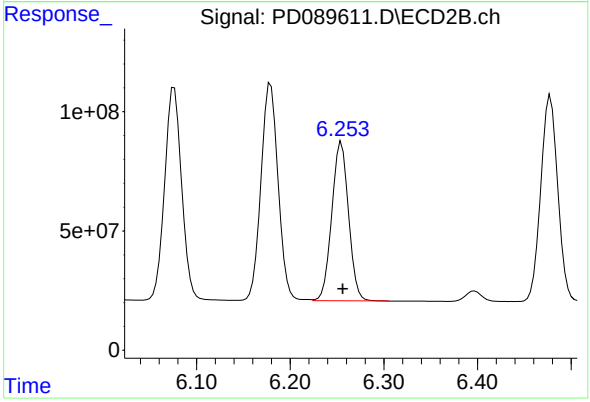
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 1156799788
Conc: 49.42 ng/ml



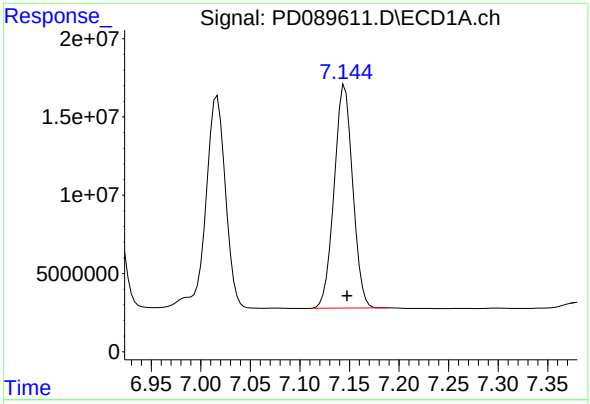
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 145880541
Conc: 50.03 ng/ml



#18 Endrin aldehyde

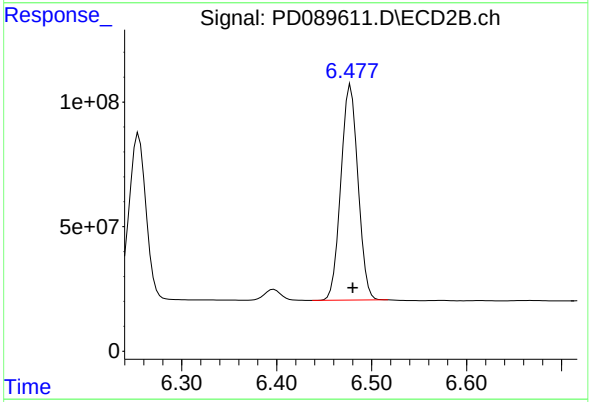
R.T.: 6.255 min
Delta R.T.: -0.001 min
Response: 829046643
Conc: 49.95 ng/ml



#19 Endosulfan Sulfate

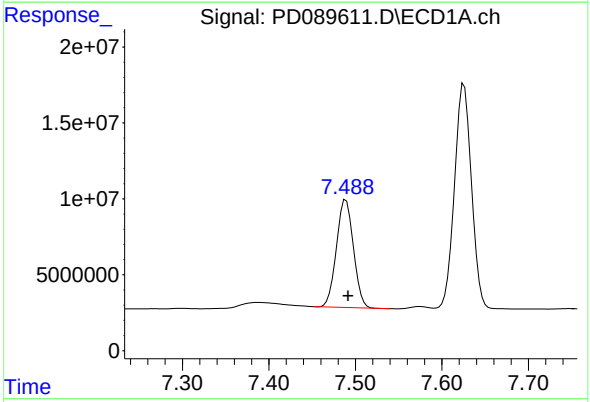
R.T.: 7.145 min
Delta R.T.: -0.002 min
Response: 185811276
Conc: 49.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



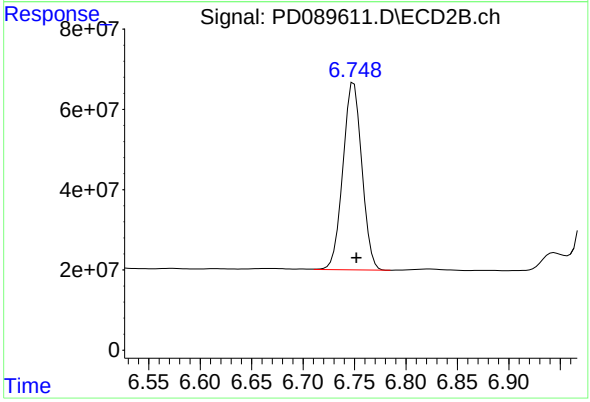
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.002 min
Response: 1084597393
Conc: 48.86 ng/ml



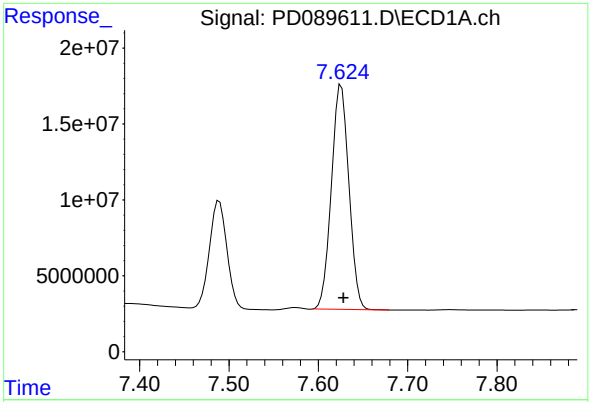
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.003 min
Response: 96159429
Conc: 47.96 ng/ml



#20 Methoxychlor

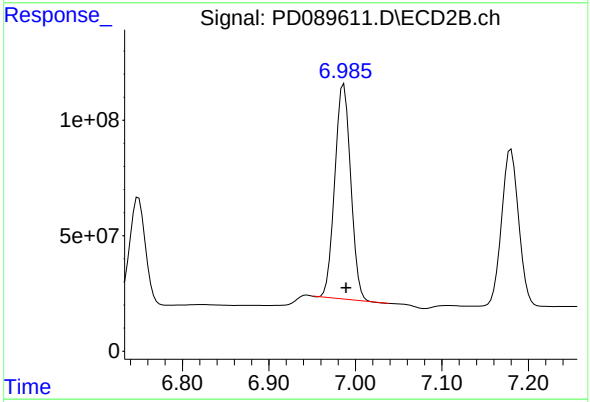
R.T.: 6.749 min
Delta R.T.: -0.003 min
Response: 598578321
Conc: 49.10 ng/ml



#21 Endrin ketone

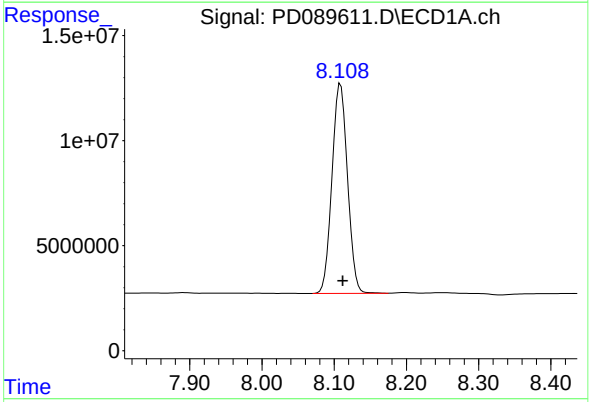
R.T.: 7.626 min
Delta R.T.: -0.002 min
Response: 201285772
Conc: 50.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



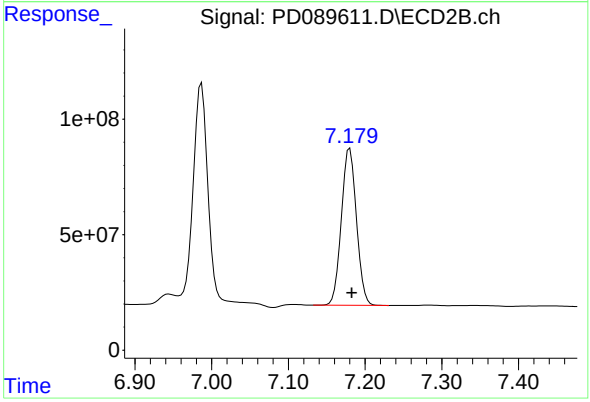
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 1179224370
Conc: 48.15 ng/ml



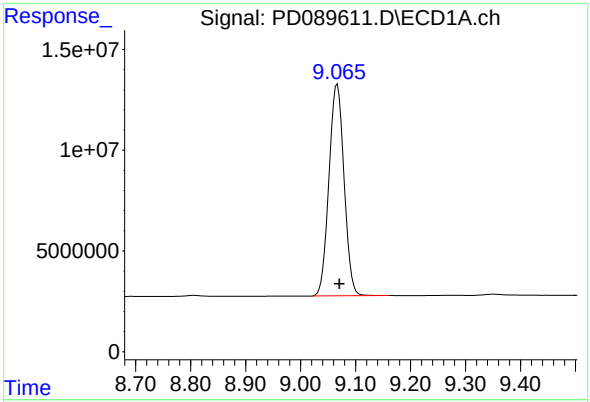
#22 Mirex

R.T.: 8.109 min
Delta R.T.: -0.003 min
Response: 149207275
Conc: 48.50 ng/ml



#22 Mirex

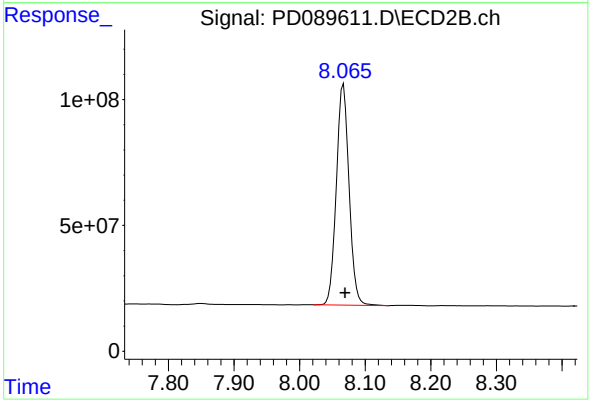
R.T.: 7.180 min
Delta R.T.: -0.003 min
Response: 934489358
Conc: 48.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 200273134
Conc: 48.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.003 min
Response: 1183978163
Conc: 48.19 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D **Date Analyzed:** 06/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	21.440	20.000	7.2
Tetrachloro-m-xylene	3.550	3.500	3.600	19.860	20.000	-0.7
alpha-BHC	3.999	3.950	4.050	8.970	10.000	-10.3
beta-BHC	4.514	4.460	4.560	9.720	10.000	-2.8
gamma-BHC (Lindane)	4.330	4.280	4.380	9.320	10.000	-6.8
Endrin	6.574	6.500	6.640	50.260	50.000	0.5
4,4'-DDT	7.020	6.950	7.090	100.820	100.000	0.8
Methoxychlor	7.493	7.420	7.560	229.880	250.000	-8.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D **Date Analyzed:** 06/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	21.290	20.000	6.5
Tetrachloro-m-xylene	2.880	2.830	2.930	20.440	20.000	2.2
alpha-BHC	3.393	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.025	3.970	4.080	10.750	10.000	7.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.580	10.000	5.8
Endrin	5.789	5.720	5.860	50.490	50.000	1.0
4,4'-DDT	6.183	6.110	6.250	96.080	100.000	-3.9
Methoxychlor	6.754	6.680	6.820	198.860	250.000	-20.5

PEM

Data File: PD088991.D **Date Acquired** 6/17/2025 15:25

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.57	207333894.1	209255517.9	1921623.79	**0.92**
Endrin aldehyde	6.92	451112.312			
Endrin ketone	7.63	1470511.475			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1096382248	1116463040	20080792.5	**1.80**
Endrin aldehyde #2	6.26	9421924.419			
Endrin ketone #2	6.99	10658868.11			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	381930079.7	382533900.3	603820.602	**0.16**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	603820.602			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1948442735	1954044979	5602243.98	**0.29**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	5602243.978			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	56676201	346.6E6	19.865	20.443
28)	SA Decachlor...	9.071	8.072	84217746	421.0E6	21.442	21.293
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	52304160	283.3E6	8.973	10.573
3)	MA gamma-BHC...	4.330	3.729	52036875	261.9E6	9.323	10.578
6)	B beta-BHC	4.514	4.025	21456971	115.6E6	9.722m	10.754
14)	MA Endrin	6.574	5.789	207.3E6	1096.4E6	50.256	50.492
16)	A 4,4'-DDD	6.701	5.931	603821	5602244	0.176m	0.293m#
17)	MA 4,4'-DDT	7.020	6.183	381.9E6	1948.4E6	100.821	96.080
18)	B Endrin al...	6.918	6.256	451112	9421924	0.147m	0.615m#
20)	A Methoxychlor	7.493	6.754	464.5E6	2141.4E6	229.876	198.863
21)	B Endrin ke...	7.627	6.989	1470511	10658868	0.361m	0.493m#

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

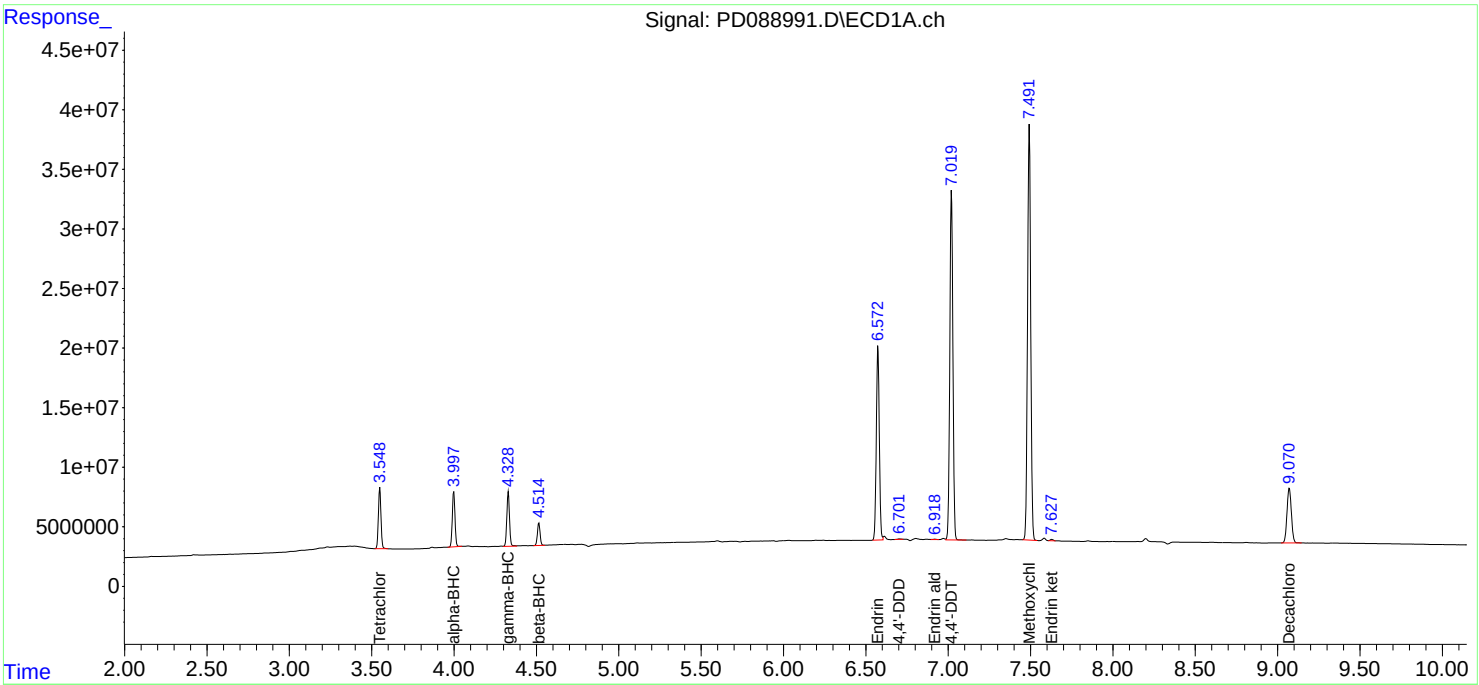
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

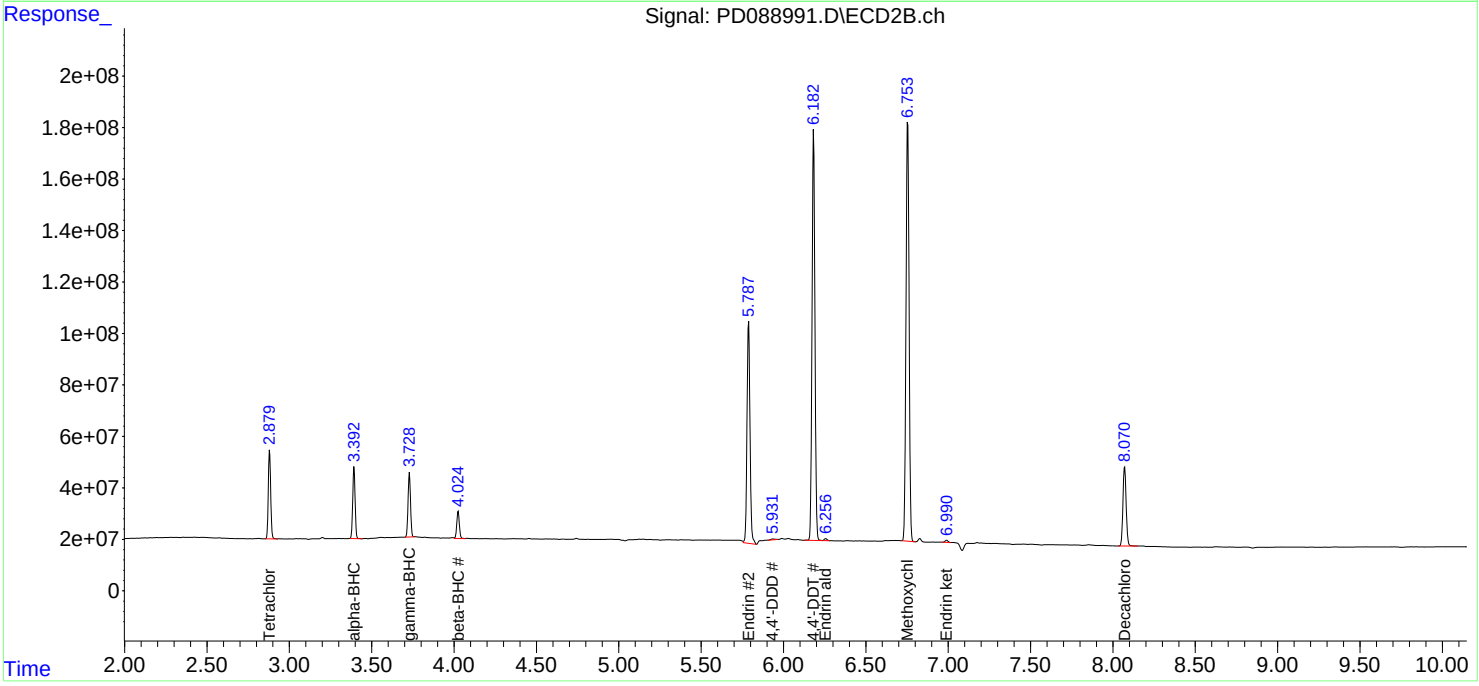
Instrument :
ECD_D
ClientSampleId :
PEM

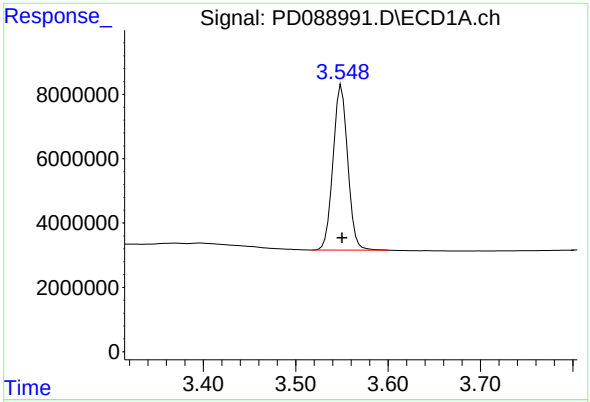
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







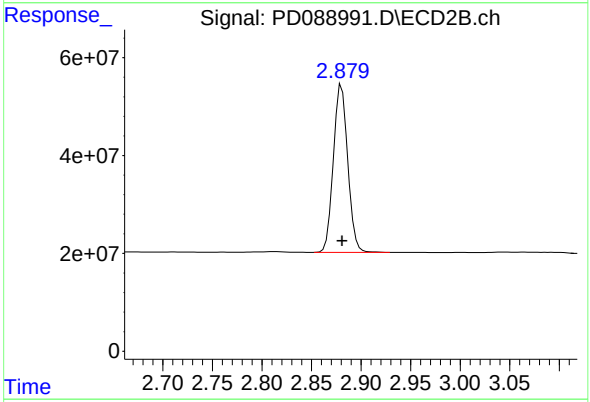
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 56676201
Conc: 19.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

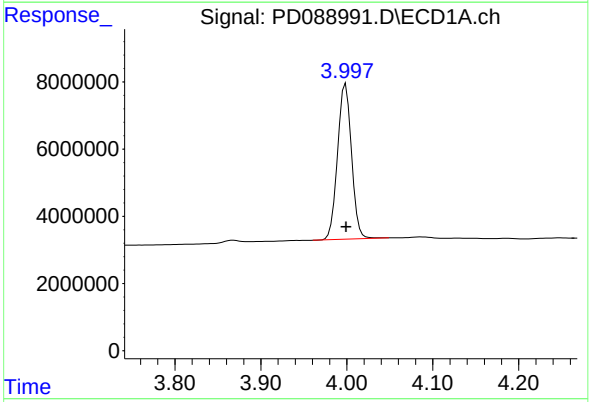
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



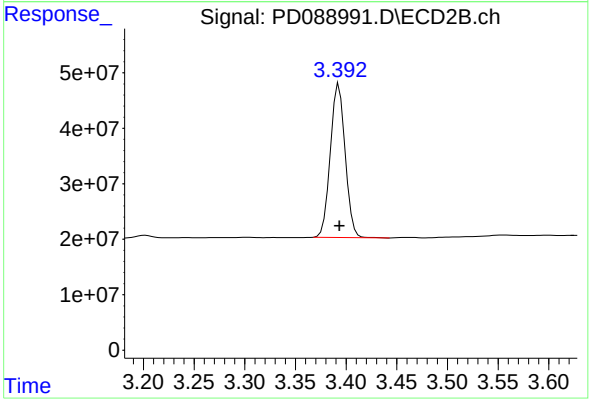
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 346582137
Conc: 20.44 ng/ml



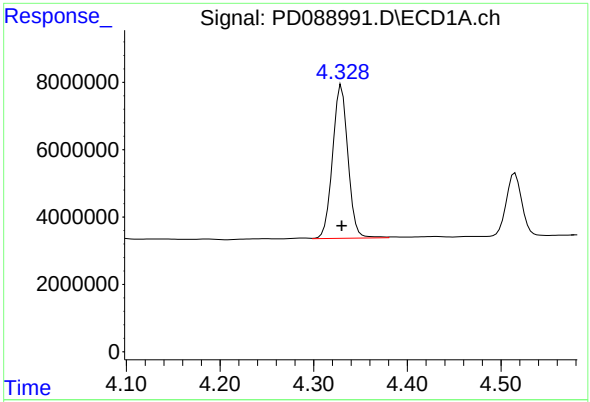
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 52304160
Conc: 8.97 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 283316605
Conc: 10.57 ng/ml



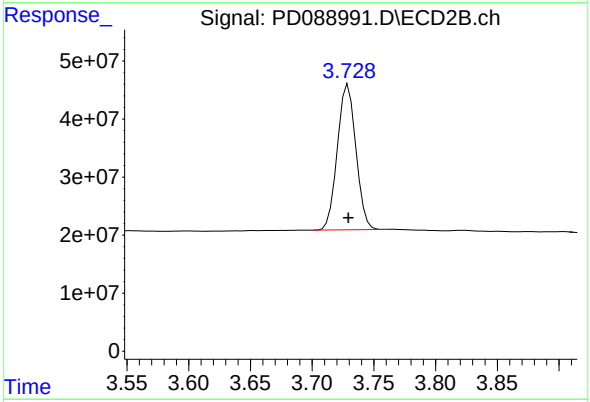
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 52036875
Conc: 9.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

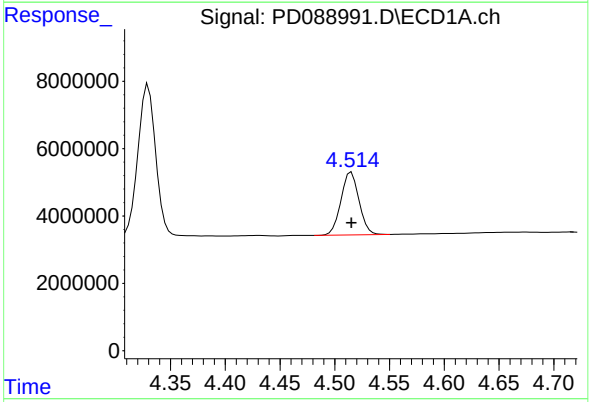
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



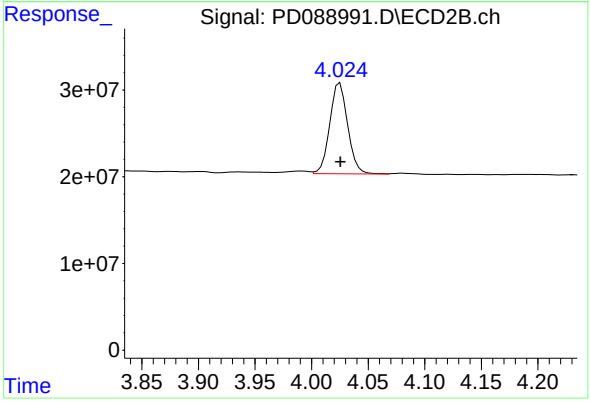
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 261889650
Conc: 10.58 ng/ml



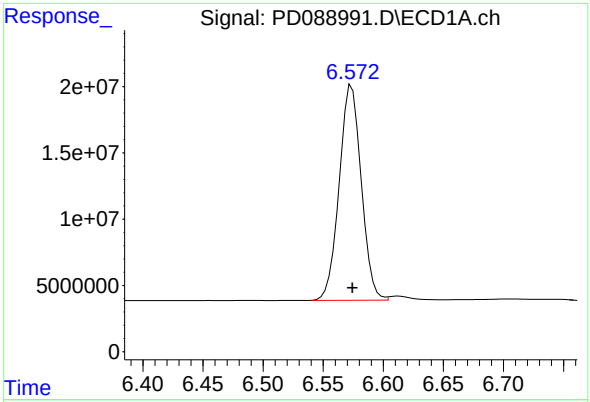
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.002 min
Response: 21456971
Conc: 9.72 ng/ml m



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 115562298
Conc: 10.75 ng/ml



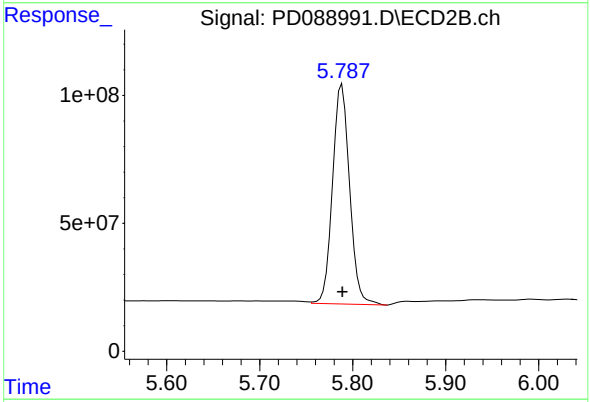
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 207333894
Conc: 50.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

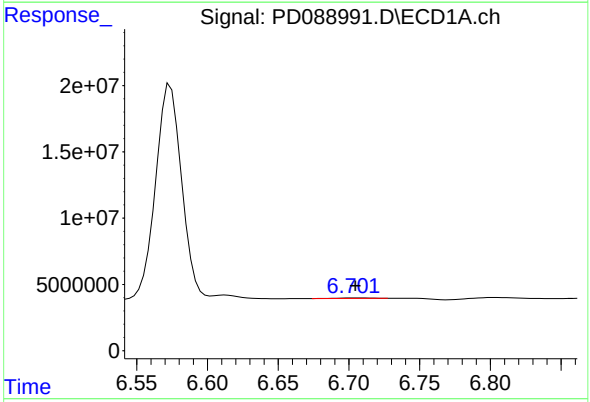
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



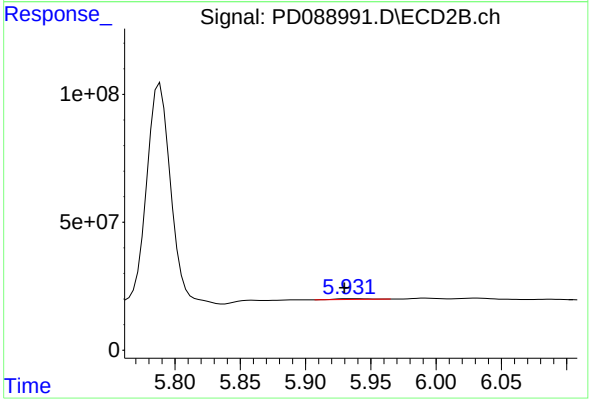
#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1096382248
Conc: 50.49 ng/ml



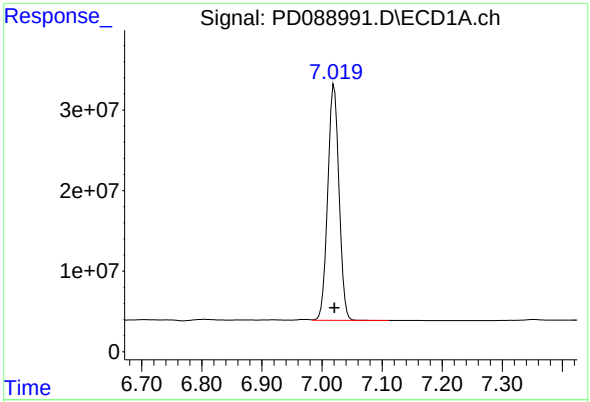
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.003 min
Response: 603821
Conc: 0.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.002 min
Response: 5602244
Conc: 0.29 ng/ml m



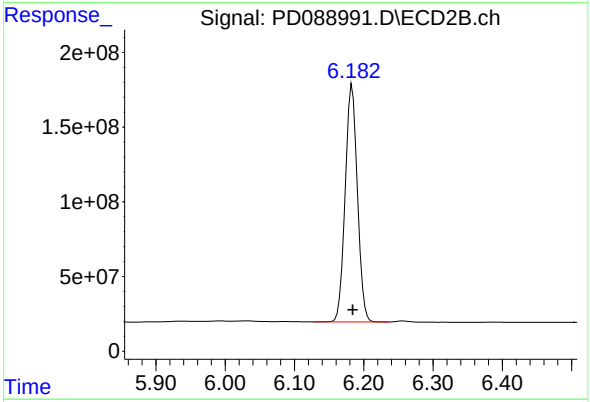
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 381930080
Conc: 100.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

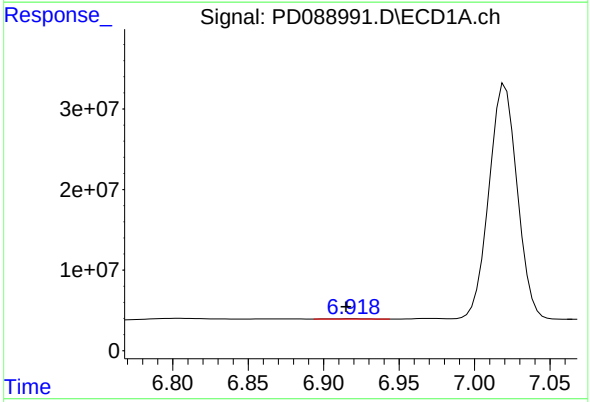
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



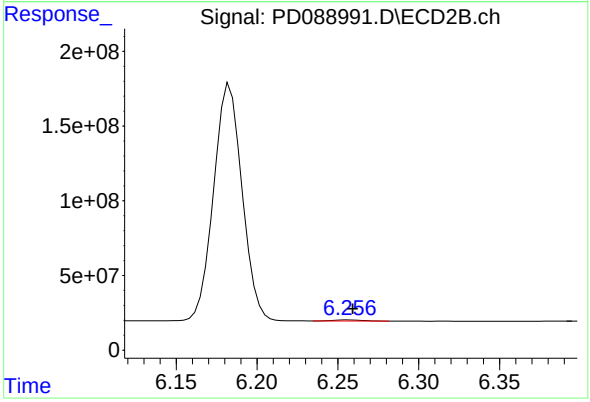
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 1948442735
Conc: 96.08 ng/ml



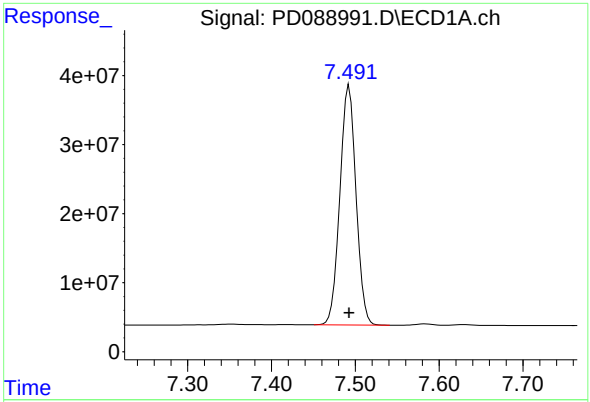
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 451112
Conc: 0.15 ng/ml m



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 9421924
Conc: 0.62 ng/ml m



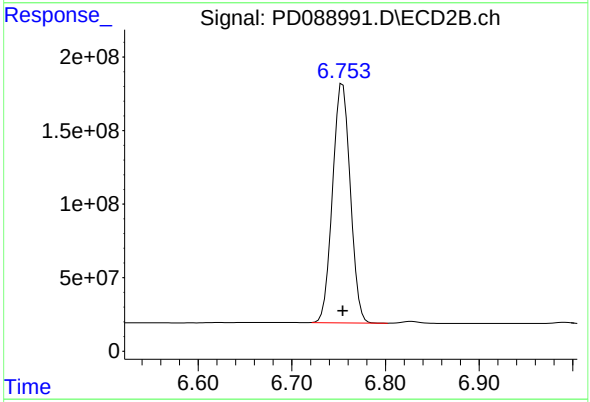
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 464493118
Conc: 229.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

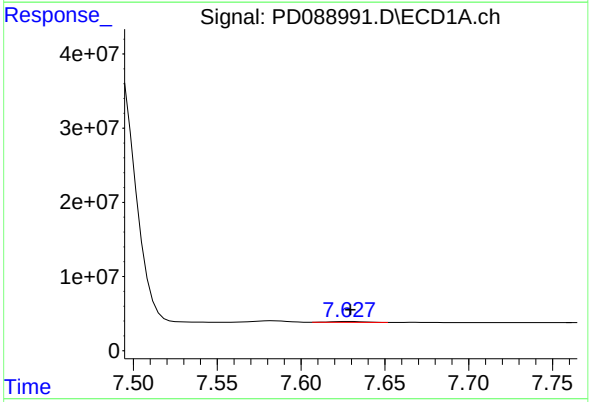
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



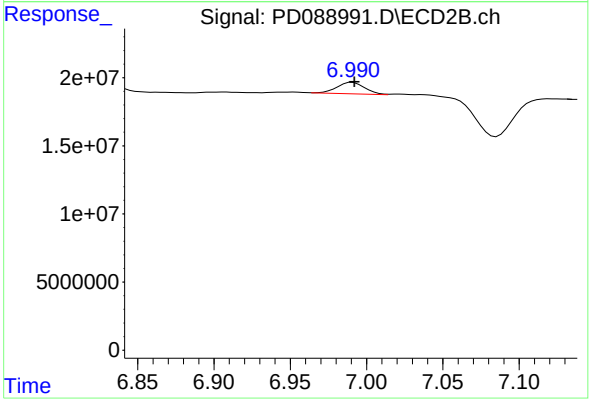
#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 2141368292
Conc: 198.86 ng/ml



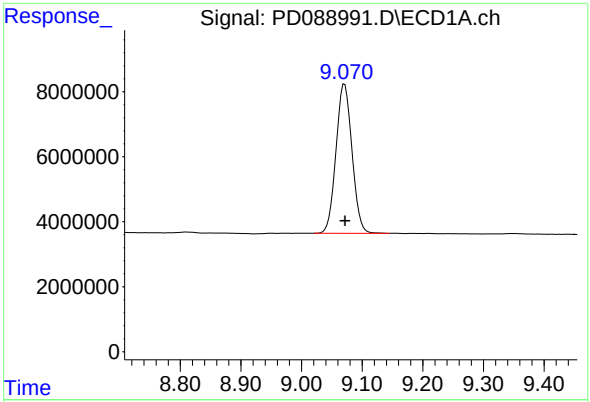
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 1470511
Conc: 0.36 ng/ml m



#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 10658868
Conc: 0.49 ng/ml m



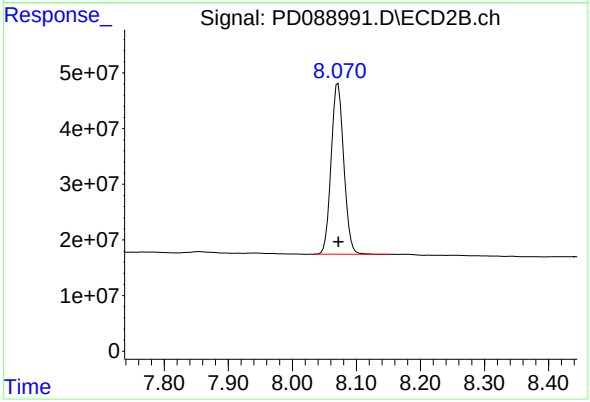
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 84217746
Conc: 21.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/18/2025
Supervised By :mohammad ahmed 06/19/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 420967077
Conc: 21.29 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089451.D **Date Analyzed:** 07/11/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:20

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.072	8.970	9.170	19.920	20.000	-0.4
Tetrachloro-m-xylene	3.550	3.500	3.600	21.710	20.000	8.6
alpha-BHC	3.998	3.950	4.050	10.190	10.000	1.9
beta-BHC	4.515	4.460	4.570	11.220	10.000	12.2
gamma-BHC (Lindane)	4.329	4.280	4.380	10.660	10.000	6.6
Endrin	6.574	6.500	6.640	50.710	50.000	1.4
4,4'-DDT	7.021	6.950	7.090	96.160	100.000	-3.8
Methoxychlor	7.492	7.420	7.560	212.290	250.000	-15.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089451.D **Date Analyzed:** 07/11/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:20

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.069	7.970	8.170	19.810	20.000	-1.0
Tetrachloro-m-xylene	2.880	2.830	2.930	24.080	20.000	20.4
alpha-BHC	3.391	3.340	3.440	12.540	10.000	25.4
beta-BHC	4.023	3.970	4.070	12.500	10.000	25.0
gamma-BHC (Lindane)	3.728	3.680	3.780	12.290	10.000	22.9
Endrin	5.786	5.720	5.860	52.410	50.000	4.8
4,4'-DDT	6.180	6.110	6.250	99.320	100.000	-0.7
Methoxychlor	6.751	6.680	6.820	187.340	250.000	-25.1

PEM

Data File: PD089451.D **Date Acquired** 7/11/2025 10:20

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	209190736.4	217380342.5	8189606.17	**3.77**
Endrin aldehyde	6.91	1952386.134			
Endrin ketone	7.63	6237220.04			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1138070076	1212993214	74923137.3	**6.18**
Endrin aldehyde #2	6.25	19126018.77			
Endrin ketone #2	6.99	55797118.52			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	364269700.5	374278472.9	10008772.5	**2.67**
4,4'-DDE	6.19	751157.286			
4,4'-DDD	6.70	9257615.18			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2014089263	2079888673	65799410.6	**3.16**
4,4'-DDE #2	5.37	2917133.95			
4,4'-DDD #2	5.93	62882276.68			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 10:20
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:49:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	61946166	408.3E6	21.712	24.084	
28)	SA Decachlor...	9.072	8.069	78252302	391.6E6	19.924	19.807	
	Target Compounds							
2)	A alpha-BHC	3.998	3.391	59413516	336.0E6	10.193	12.539	
3)	MA gamma-BHC...	4.329	3.728	59485151	304.3E6	10.657	12.291	
6)	B beta-BHC	4.515	4.023	24761652	134.4E6	11.219	12.505	
12)	B 4,4'-DDE	6.194	5.373	751157	2917134	0.172m	0.127	#
14)	MA Endrin	6.574	5.786	209.2E6	1138.1E6	50.706	52.412	
16)	A 4,4'-DDD	6.704	5.927	9257615	62882277	2.697	3.287	
17)	MA 4,4'-DDT	7.021	6.180	364.3E6	2014.1E6	96.159	99.317	
18)	B Endrin al...	6.915	6.254	1952386	19126019	0.637	1.249m	#
20)	A Methoxychlor	7.492	6.751	429.0E6	2017.3E6	212.293	187.340	
21)	B Endrin ke...	7.629	6.988	6237220	55797119	1.531	2.583	#

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

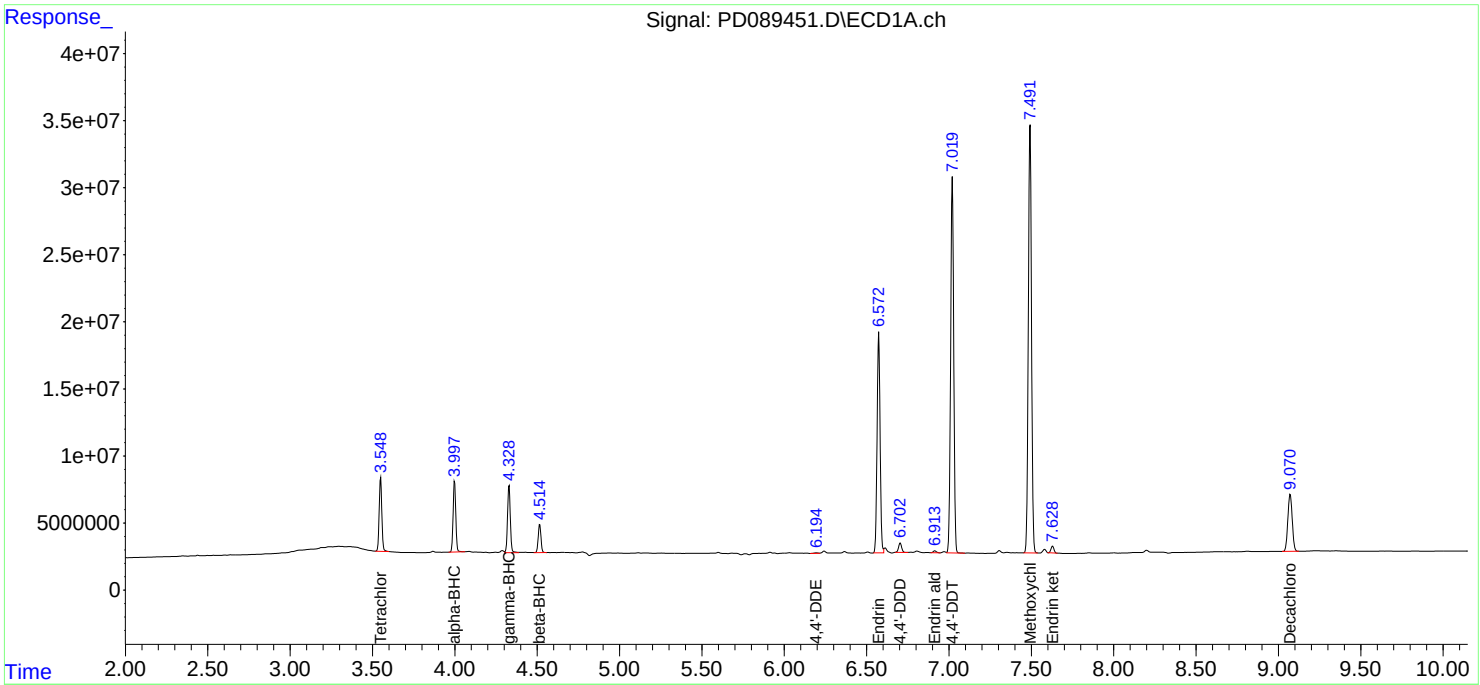
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 10:20
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

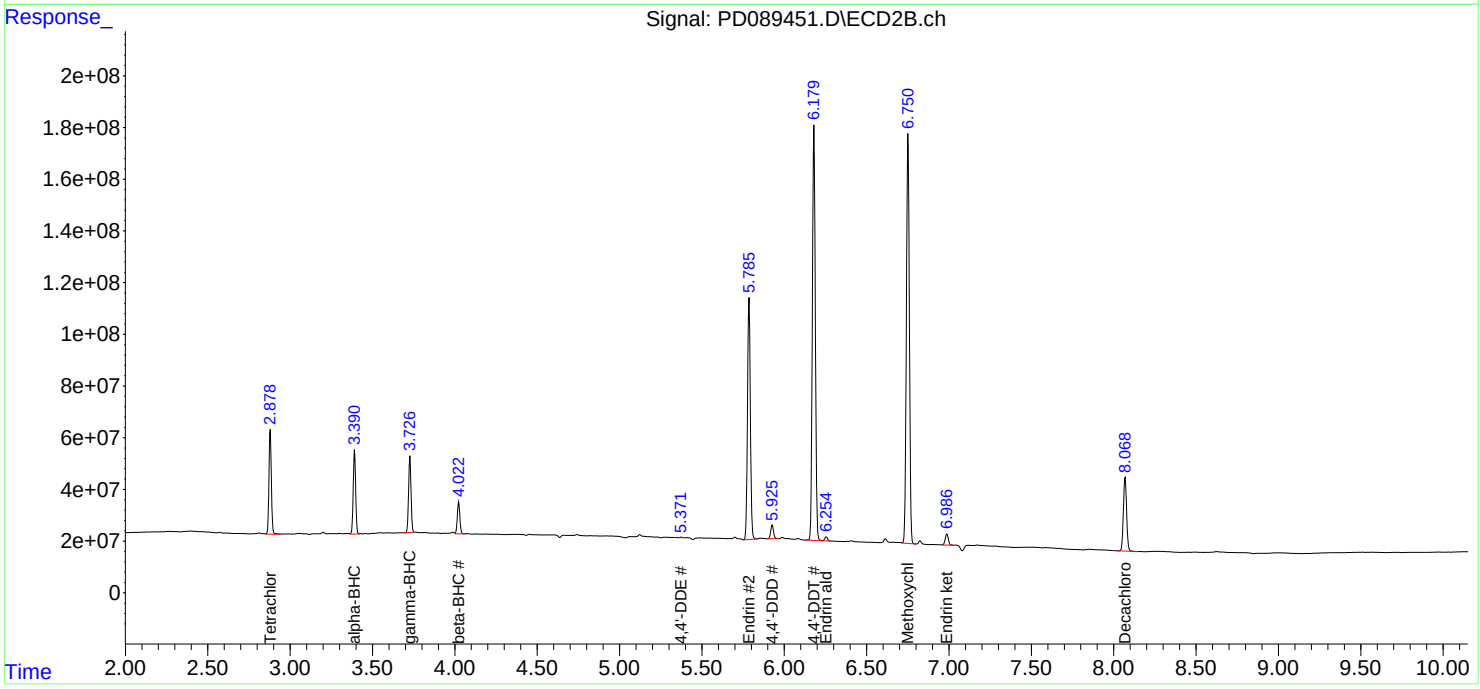
Instrument :
ECD_D
ClientSampleId :
PEM

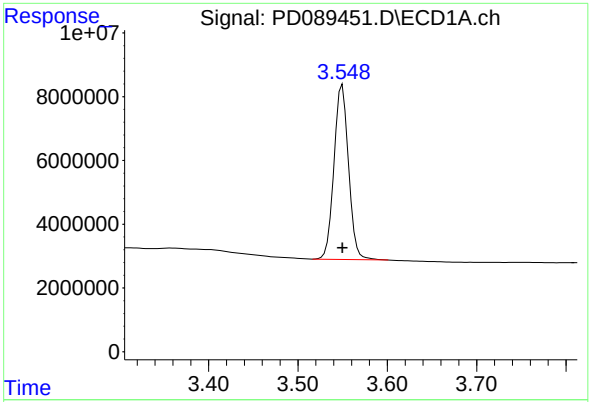
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:49:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







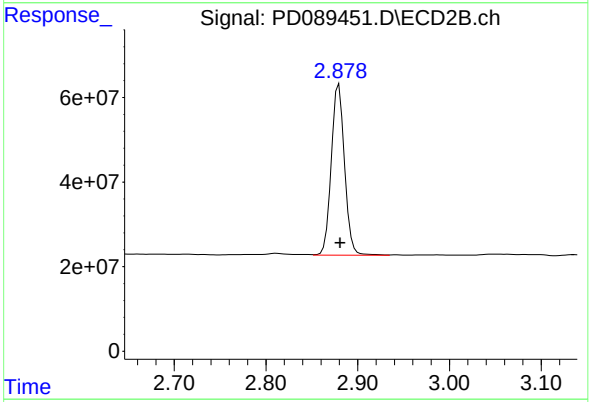
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 61946166
Conc: 21.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

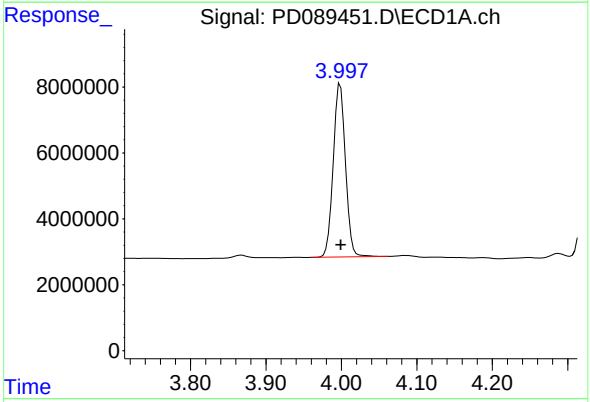
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



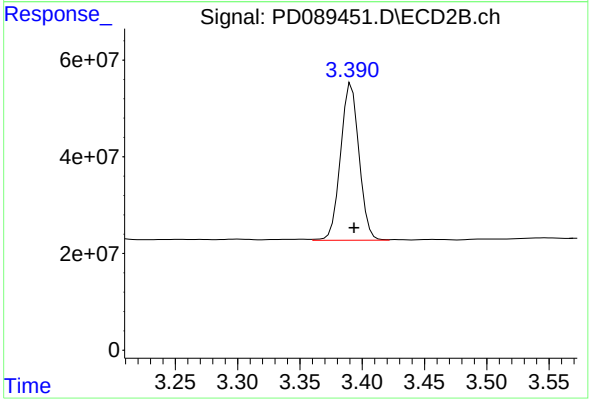
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 408302917
Conc: 24.08 ng/ml



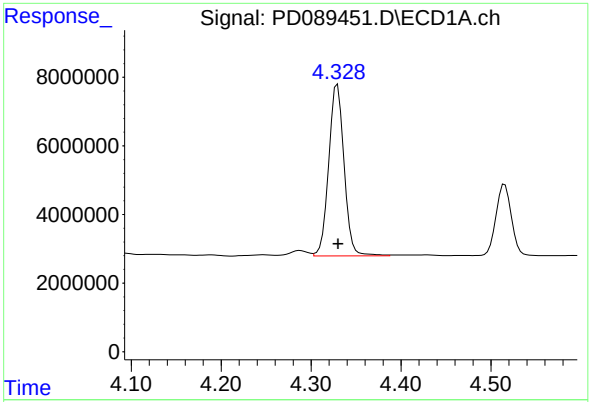
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 59413516
Conc: 10.19 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 335999724
Conc: 12.54 ng/ml



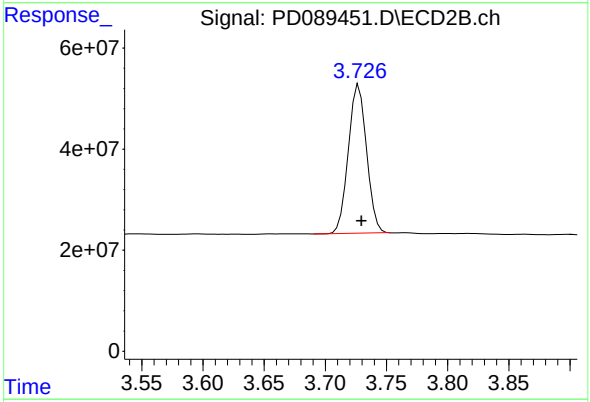
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 59485151
Conc: 10.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

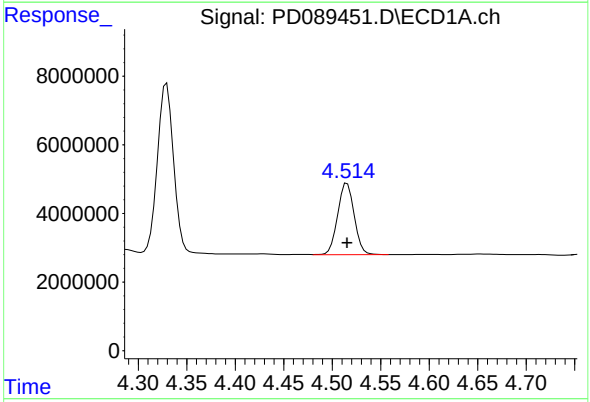
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



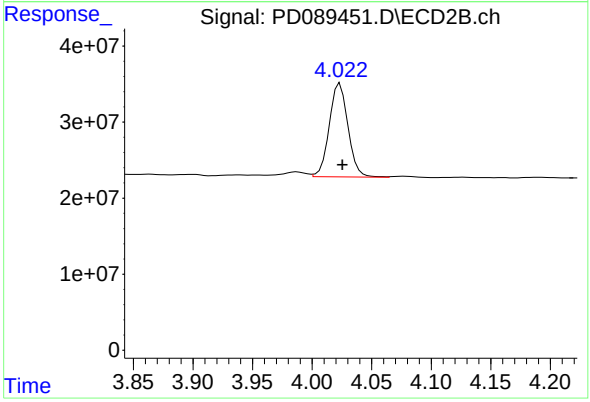
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 304279915
Conc: 12.29 ng/ml



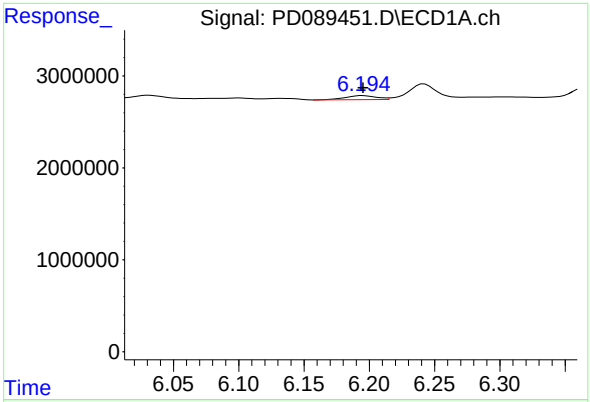
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 24761652
Conc: 11.22 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.002 min
Response: 134380516
Conc: 12.50 ng/ml



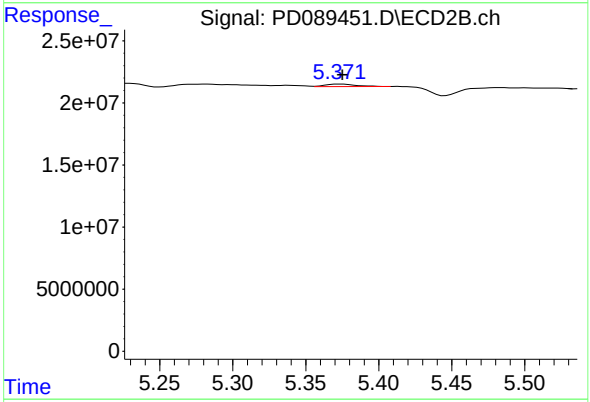
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.002 min
Response: 751157
Conc: 0.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

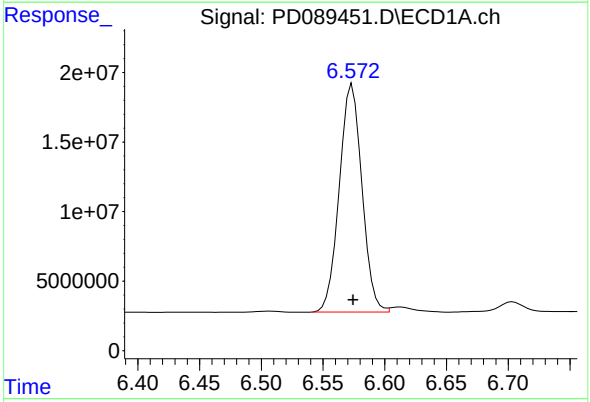
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



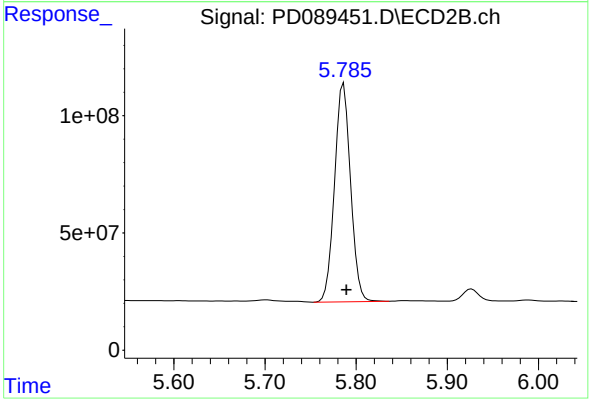
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 2917134
Conc: 0.13 ng/ml



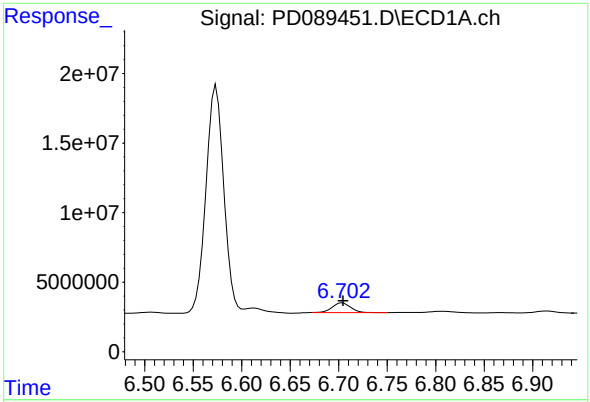
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 209190736
Conc: 50.71 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 1138070076
Conc: 52.41 ng/ml



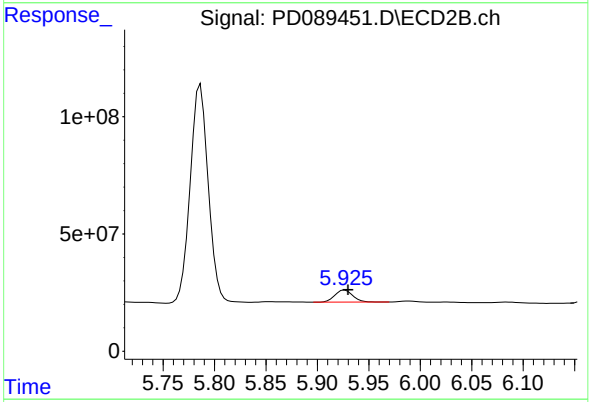
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 9257615
Conc: 2.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

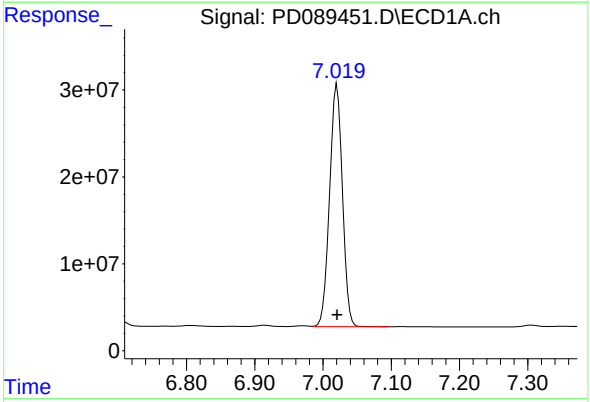
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



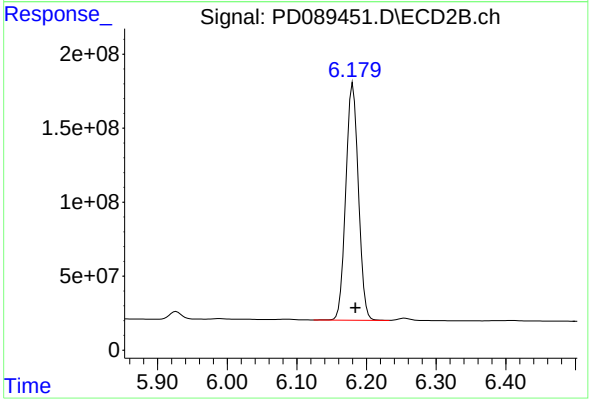
#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 62882277
Conc: 3.29 ng/ml



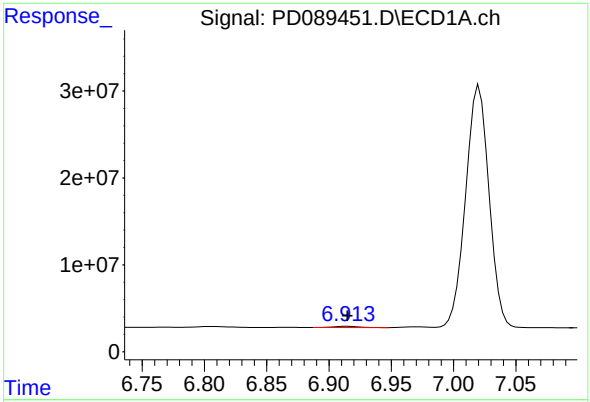
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 364269700
Conc: 96.16 ng/ml



#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 2014089263
Conc: 99.32 ng/ml



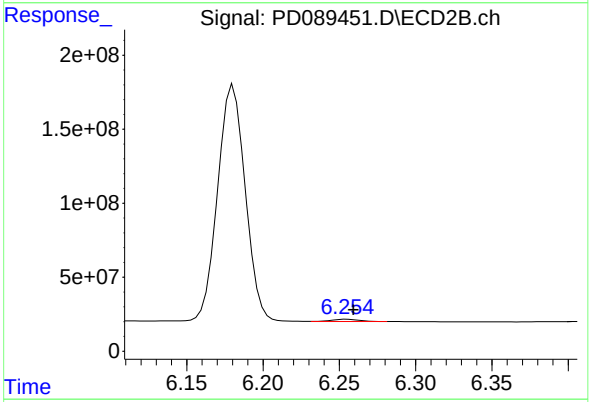
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 1952386
Conc: 0.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

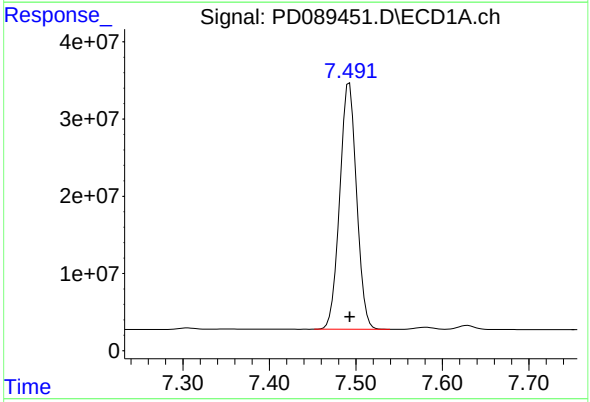
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



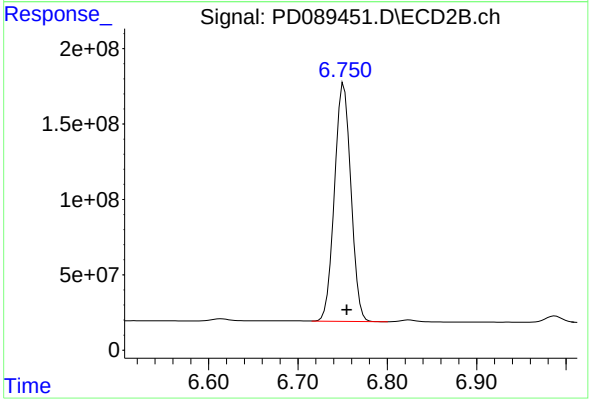
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.006 min
Response: 19126019
Conc: 1.25 ng/ml m



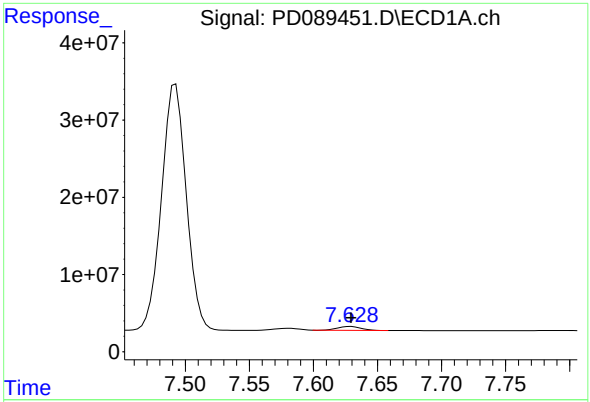
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 428965852
Conc: 212.29 ng/ml



#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: -0.003 min
Response: 2017296001
Conc: 187.34 ng/ml



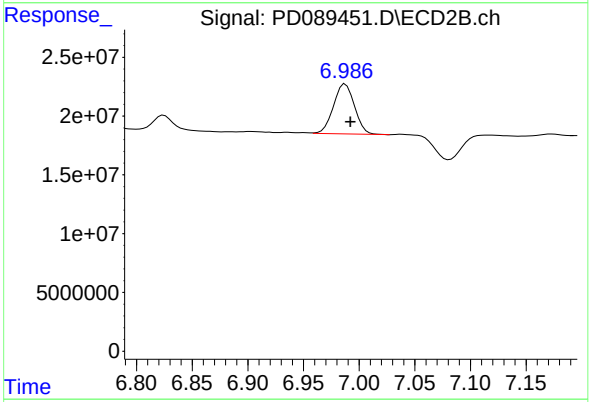
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 6237220
Conc: 1.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

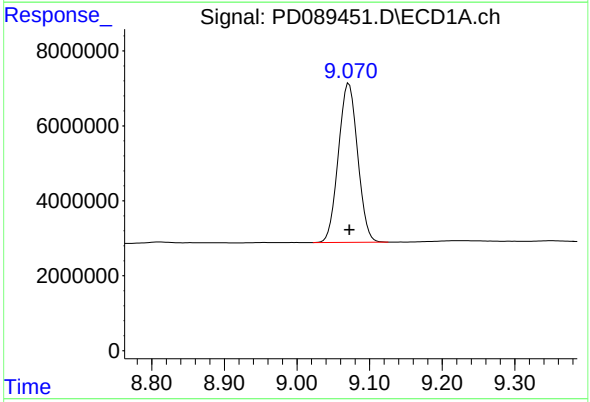
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



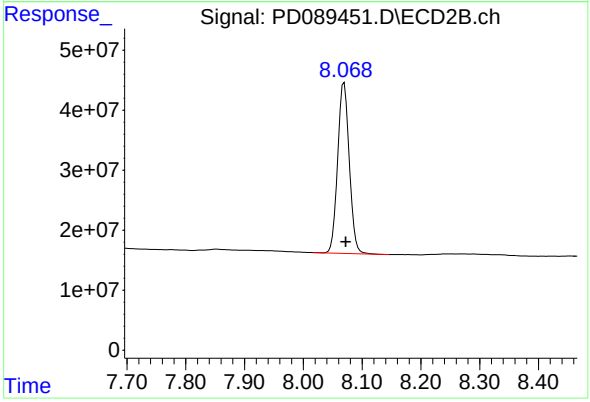
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 55797119
Conc: 2.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 78252302
Conc: 19.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 391583283
Conc: 19.81 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089474.D **Date Analyzed:** 07/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.970	9.170	20.530	20.000	2.7
Tetrachloro-m-xylene	3.554	3.500	3.600	21.340	20.000	6.7
alpha-BHC	4.003	3.950	4.050	9.910	10.000	-0.9
beta-BHC	4.519	4.470	4.570	11.220	10.000	12.2
gamma-BHC (Lindane)	4.334	4.280	4.380	10.440	10.000	4.4
Endrin	6.577	6.510	6.650	50.900	50.000	1.8
4,4'-DDT	7.024	6.950	7.090	97.470	100.000	-2.5
Methoxychlor	7.496	7.430	7.570	218.840	250.000	-12.5

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089474.D **Date Analyzed:** 07/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.070	7.970	8.170	21.300	20.000	6.5
Tetrachloro-m-xylene	2.879	2.830	2.930	23.560	20.000	17.8
alpha-BHC	3.391	3.340	3.440	12.090	10.000	20.9
beta-BHC	4.024	3.970	4.070	12.240	10.000	22.4
gamma-BHC (Lindane)	3.727	3.680	3.780	12.250	10.000	22.5
Endrin	5.788	5.720	5.860	51.930	50.000	3.9
4,4'-DDT	6.182	6.110	6.250	98.060	100.000	-1.9
Methoxychlor	6.753	6.680	6.820	189.230	250.000	-24.3

PEM

Data File: PD089474.D **Date Acquired** 7/14/2025 10:57

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.58	210003616.1	219671280.3	9667664.27	**4.40**
Endrin aldehyde	6.92	1728865.603			
Endrin ketone	7.63	7938798.668			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1127711151	1222223555	94512403.8	**7.73**
Endrin aldehyde #2	6.26	19323534.64			
Endrin ketone #2	6.99	75188869.12			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	369243475.2	383440815.6	14197340.3	**3.70**
4,4'-DDE	6.20	669871.377			
4,4'-DDD	6.71	13527468.97			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1988653547	2075181378	86527830.9	**4.17**
4,4'-DDE #2	5.37	3331169.171			
4,4'-DDD #2	5.93	83196661.74			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 10:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 06:46:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.879	60873171	399.4E6	21.336	23.561
28)	SA Decachlor...	9.074	8.070	80625579	421.1E6	20.528	21.301
	Target Compounds						
2)	A alpha-BHC	4.003	3.391	57794010	324.0E6	9.915	12.092m
3)	MA gamma-BHC...	4.334	3.727	58276717	303.2E6	10.441	12.247m
6)	B beta-BHC	4.519	4.024	24755956	131.5E6	11.216	12.240
12)	B 4,4'-DDE	6.197	5.373	669871	3331169	0.154m	0.145m
14)	MA Endrin	6.577	5.788	210.0E6	1127.7E6	50.903	51.935
16)	A 4,4'-DDD	6.707	5.928	13527469	83196662	3.942	4.349
17)	MA 4,4'-DDT	7.024	6.182	369.2E6	1988.7E6	97.472	98.063
18)	B Endrin al...	6.918	6.256	1728866	19323535	0.564	1.262 #
20)	A Methoxychlor	7.496	6.753	442.2E6	2037.7E6	218.840	189.231
21)	B Endrin ke...	7.631	6.989	7938799	75188869	1.949m	3.481 #

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

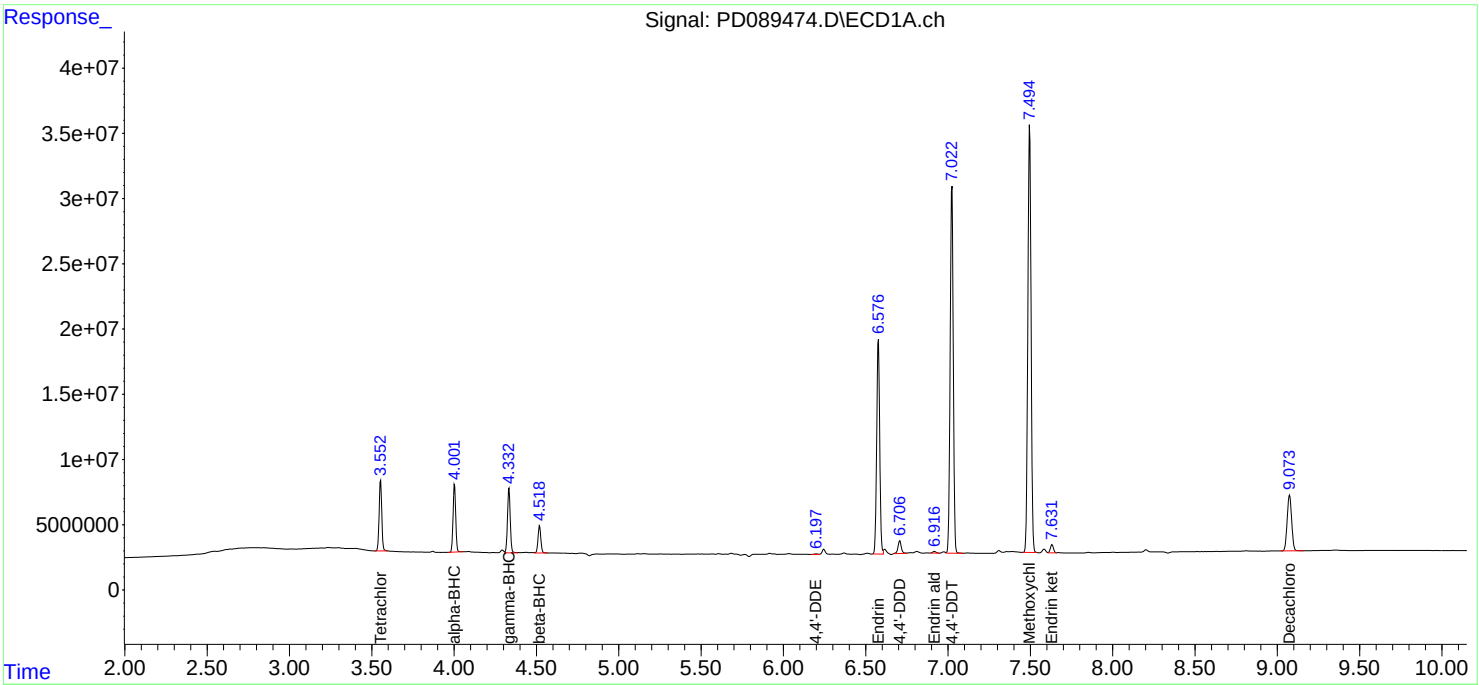
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 10:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

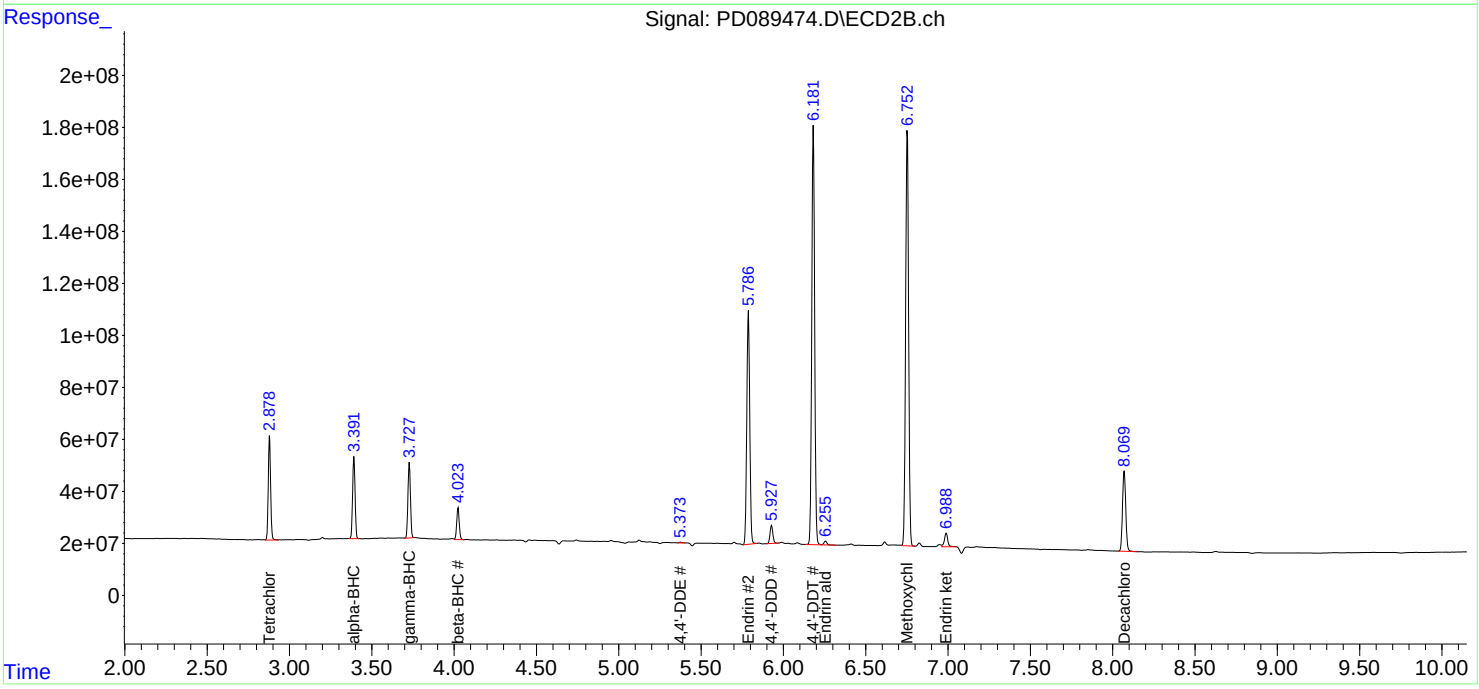
Instrument :
ECD_D
ClientSampleId :
PEM

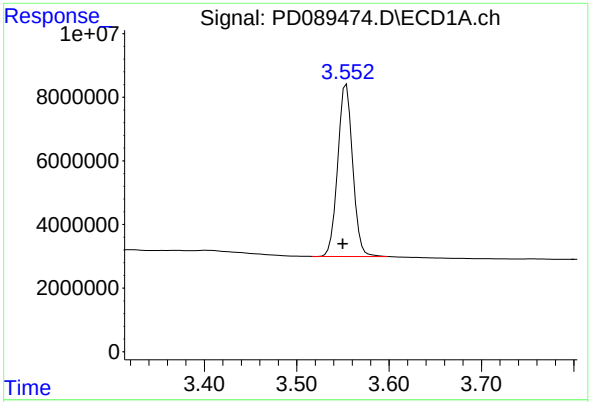
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 06:46:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







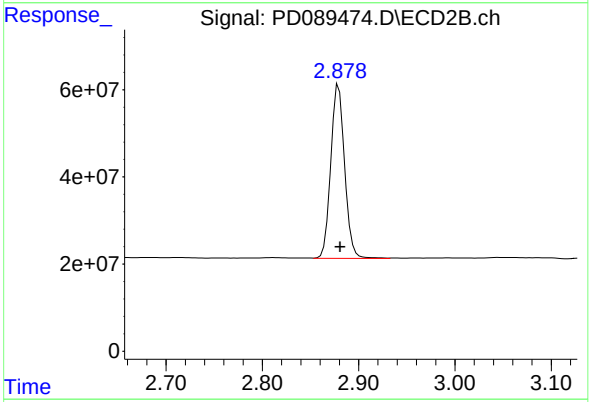
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.004 min
Response: 60873171
Conc: 21.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

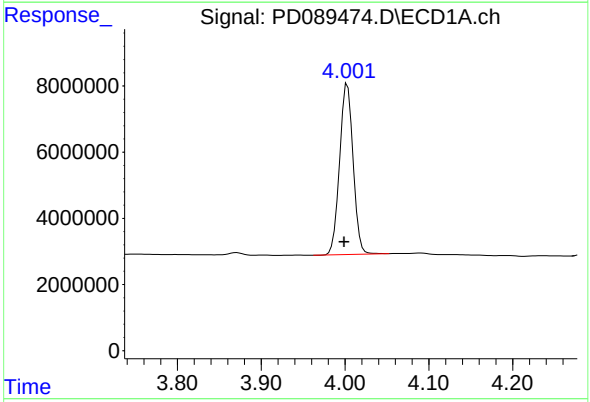
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



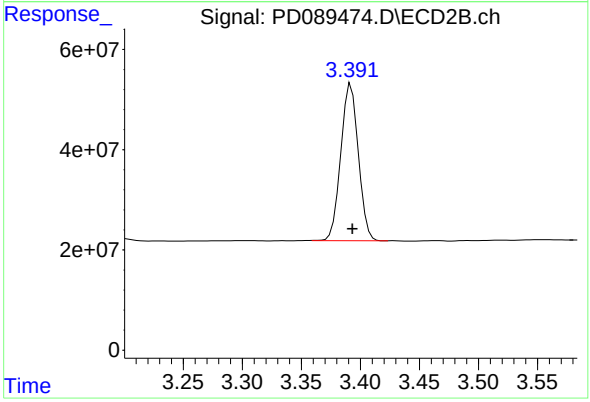
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 399426454
Conc: 23.56 ng/ml



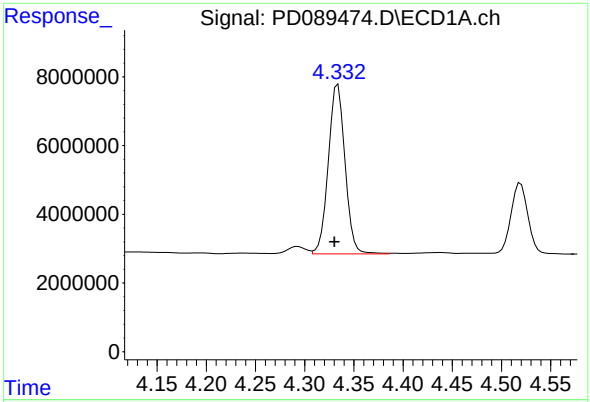
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.004 min
Response: 57794010
Conc: 9.91 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 324042527
Conc: 12.09 ng/ml m



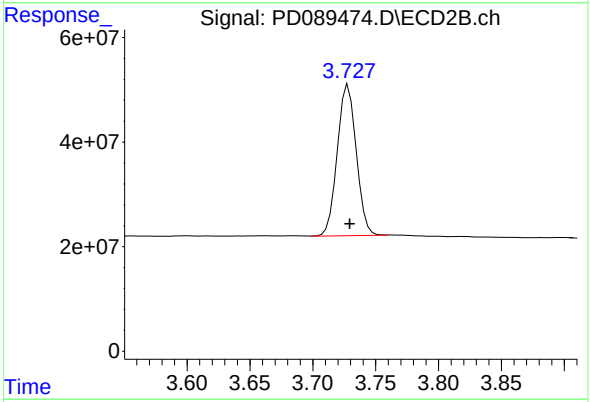
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.004 min
Response: 58276717
Conc: 10.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

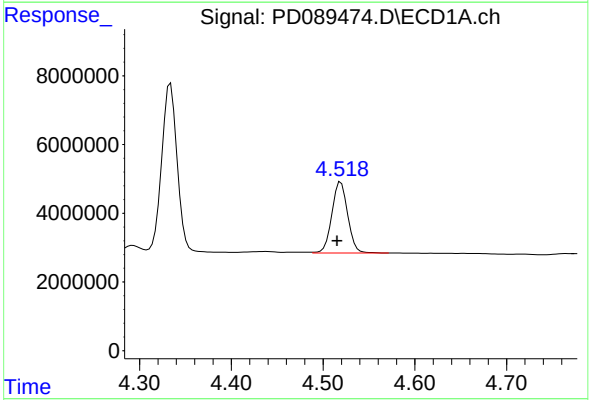
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



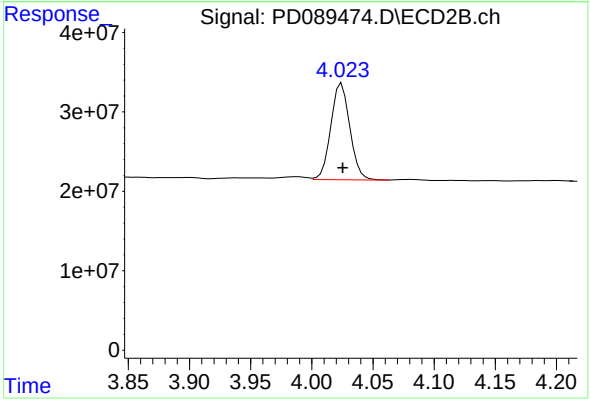
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.003 min
Response: 303202474
Conc: 12.25 ng/ml m



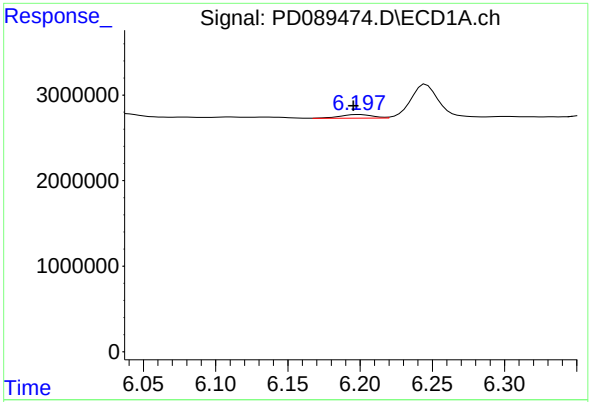
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.004 min
Response: 24755956
Conc: 11.22 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 131536304
Conc: 12.24 ng/ml



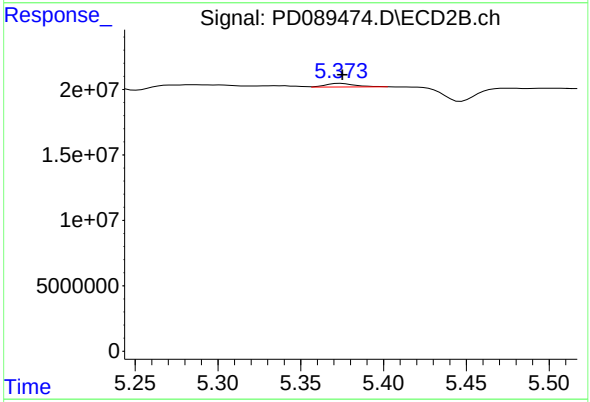
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.002 min
Response: 669871
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

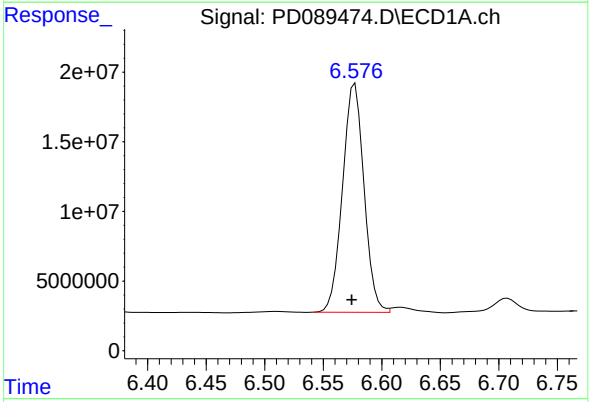
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



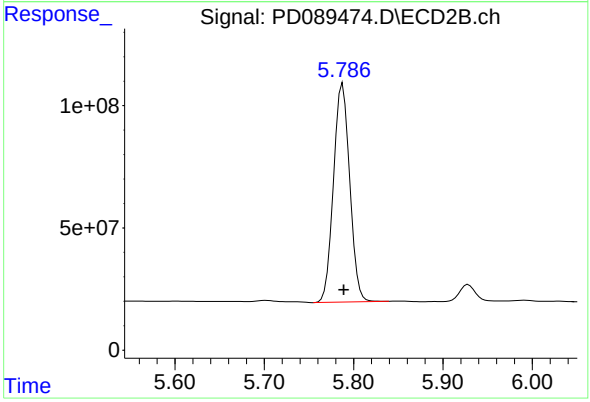
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 3331169
Conc: 0.15 ng/ml m



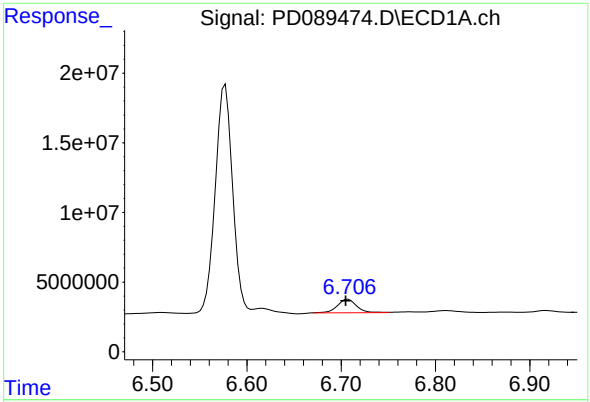
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 210003616
Conc: 50.90 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1127711151
Conc: 51.93 ng/ml



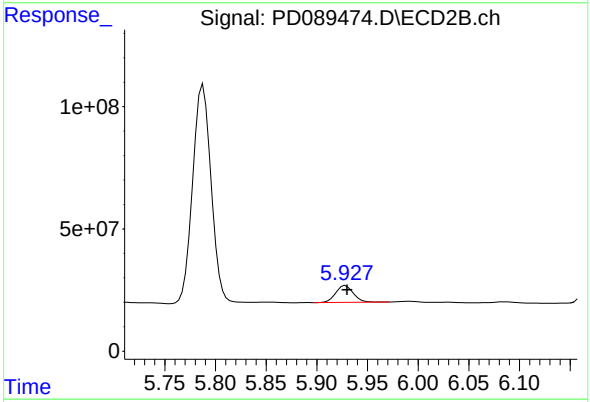
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.003 min
Response: 13527469
Conc: 3.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

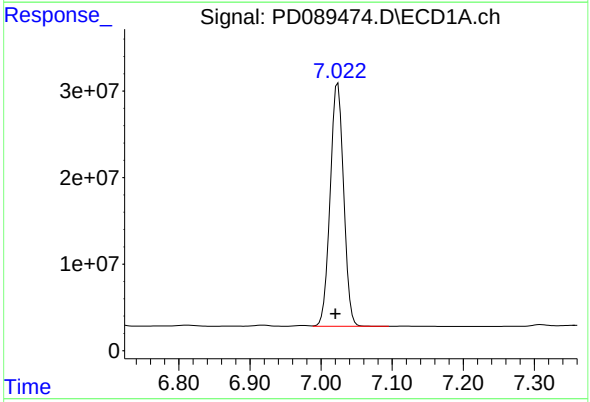
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



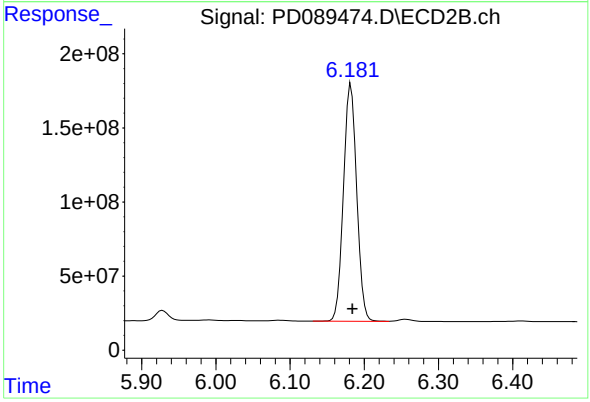
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 83196662
Conc: 4.35 ng/ml



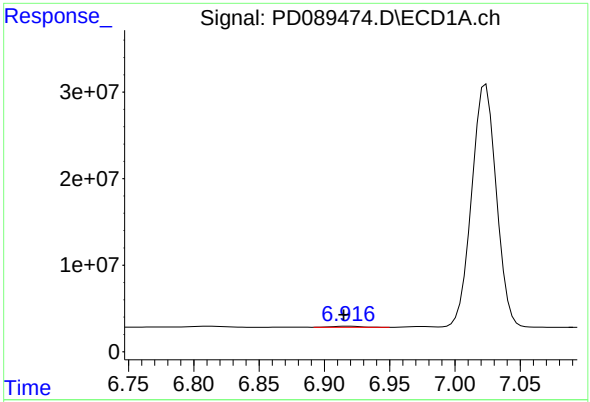
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.003 min
Response: 369243475
Conc: 97.47 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1988653547
Conc: 98.06 ng/ml



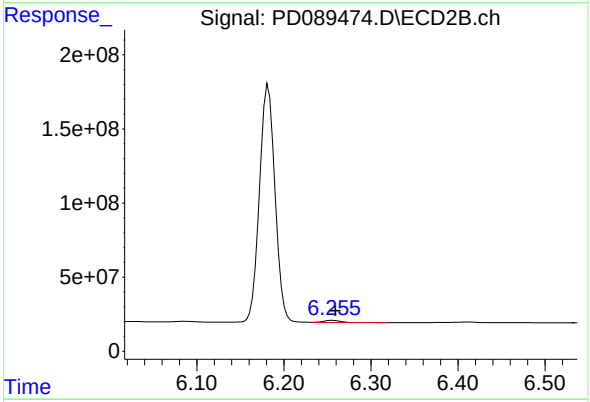
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 1728866
Conc: 0.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

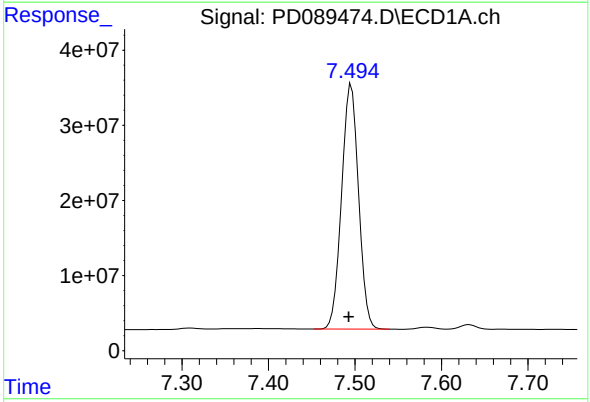
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



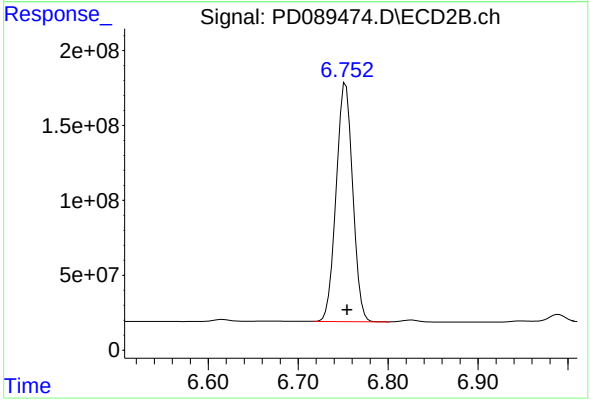
#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 19323535
Conc: 1.26 ng/ml



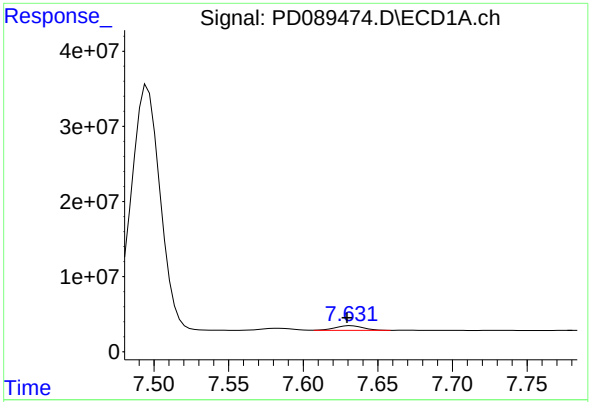
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.003 min
Response: 442194041
Conc: 218.84 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 2037655901
Conc: 189.23 ng/ml



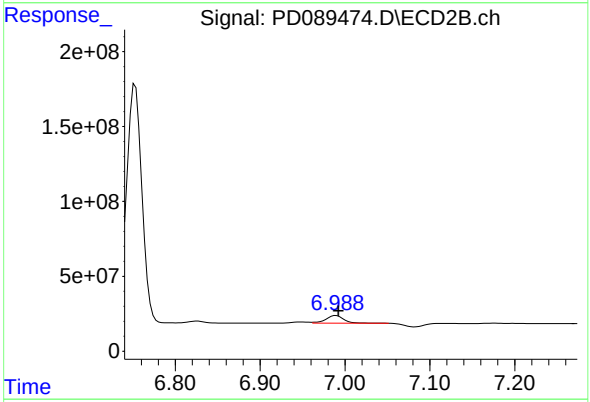
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.001 min
Response: 7938799
Conc: 1.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

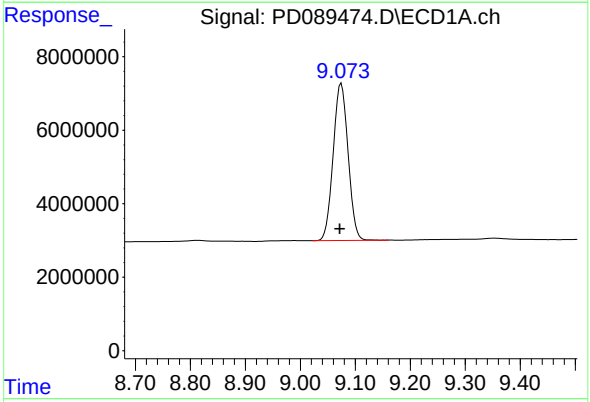
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/22/2025



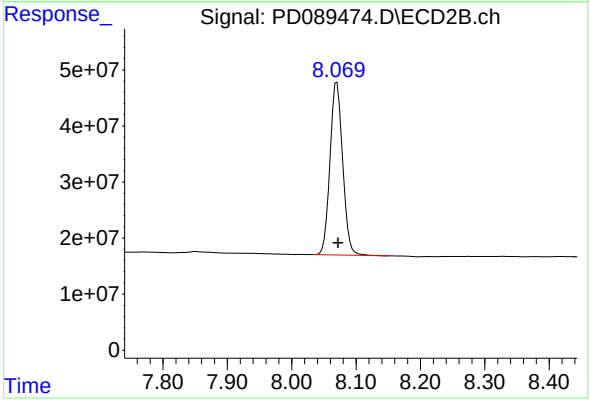
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 75188869
Conc: 3.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 80625579
Conc: 20.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 421124379
Conc: 21.30 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089538.D **Date Analyzed:** 07/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.072	8.970	9.170	19.790	20.000	-1.1
Tetrachloro-m-xylene	3.548	3.500	3.600	18.520	20.000	-7.4
alpha-BHC	3.997	3.950	4.050	8.840	10.000	-11.6
beta-BHC	4.514	4.460	4.560	9.740	10.000	-2.6
gamma-BHC (Lindane)	4.328	4.280	4.380	9.170	10.000	-8.3
Endrin	6.573	6.500	6.640	47.840	50.000	-4.3
4,4'-DDT	7.020	6.950	7.090	95.200	100.000	-4.8
Methoxychlor	7.492	7.420	7.560	219.620	250.000	-12.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089538.D **Date Analyzed:** 07/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.069	7.970	8.170	19.600	20.000	-2.0
Tetrachloro-m-xylene	2.879	2.830	2.930	19.070	20.000	-4.7
alpha-BHC	3.391	3.340	3.440	10.560	10.000	5.6
beta-BHC	4.023	3.970	4.070	10.500	10.000	5.0
gamma-BHC (Lindane)	3.727	3.680	3.780	10.200	10.000	2.0
Endrin	5.787	5.720	5.860	46.920	50.000	-6.2
4,4'-DDT	6.181	6.110	6.250	91.020	100.000	-9.0
Methoxychlor	6.751	6.680	6.820	188.630	250.000	-24.5

PEM

Data File: PD089538.D **Date Acquired** 7/21/2025 12:22

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	194832322.3	196820249.5	1987927.15	**1.01**
Endrin aldehyde	6.92	594479.454			
Endrin ketone	7.63	1393447.691			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1134667630	1156872482	22204852.5	**1.92**
Endrin aldehyde #2	6.25	9624266.822			
Endrin ketone #2	6.99	12580585.66			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	359179895.9	360449822.3	1269926.37	**0.35**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	1269926.367			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2130603297	2138241100	7637802.91	**0.36**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	7637802.906			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	53372260	373.1E6	18.523	19.067
28)	SA Decachlor...	9.072	8.069	81289525	481.5E6	19.793	19.598
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	50475537	317.2E6	8.840	10.558
3)	MA gamma-BHC...	4.328	3.727	50605463	283.2E6	9.172	10.200
6)	B beta-BHC	4.514	4.023	20992727	125.0E6	9.736	10.504
14)	MA Endrin	6.573	5.787	194.8E6	1134.7E6	47.840	46.923
16)	A 4,4'-DDD	6.703	5.931	1269926	7637803	0.375	0.348
17)	MA 4,4'-DDT	7.020	6.181	359.2E6	2130.6E6	95.199	91.024
18)	B Endrin al...	6.919	6.254	594479	9624267	0.204	0.580 #
20)	A Methoxychlor	7.492	6.751	440.3E6	2299.8E6	219.619	188.633
21)	B Endrin ke...	7.627	6.987	1393448	12580586	0.346m	0.514m#

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

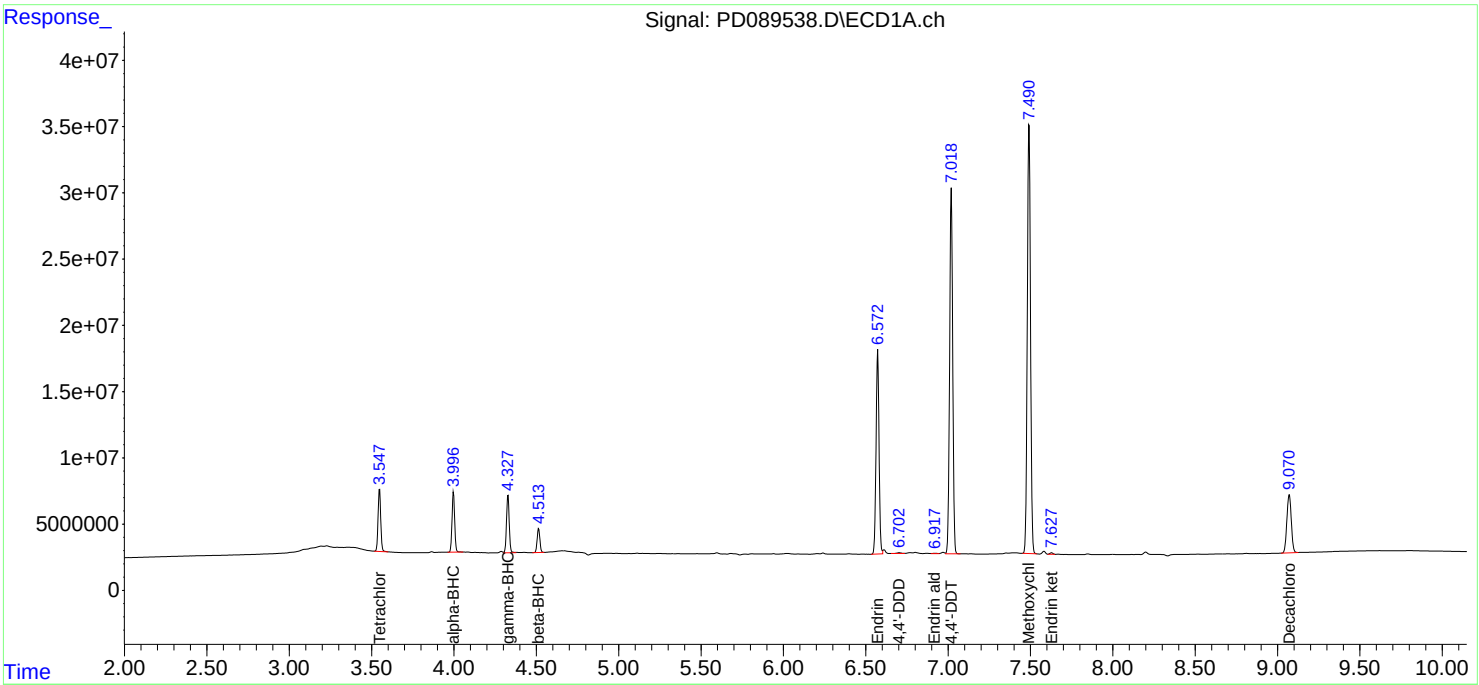
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

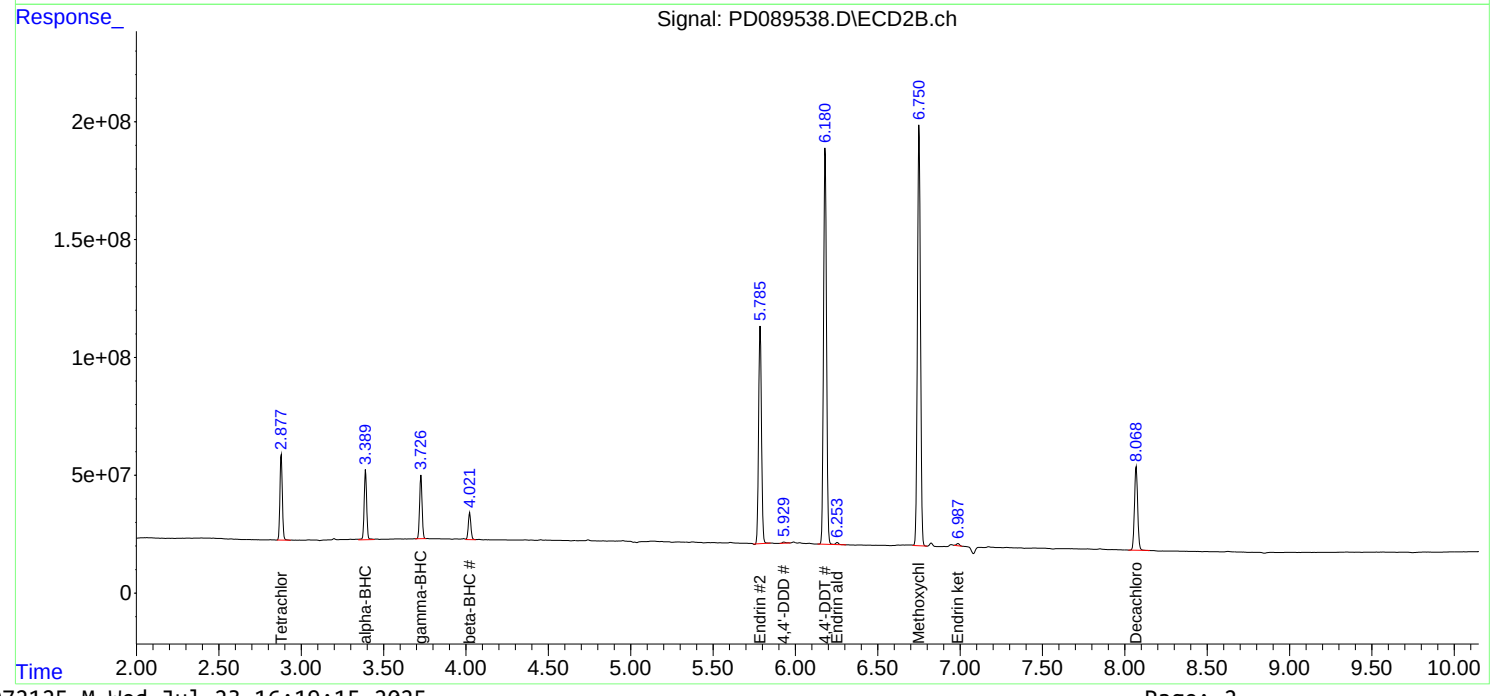
Instrument :
ECD_D
ClientSampleId :
PEM

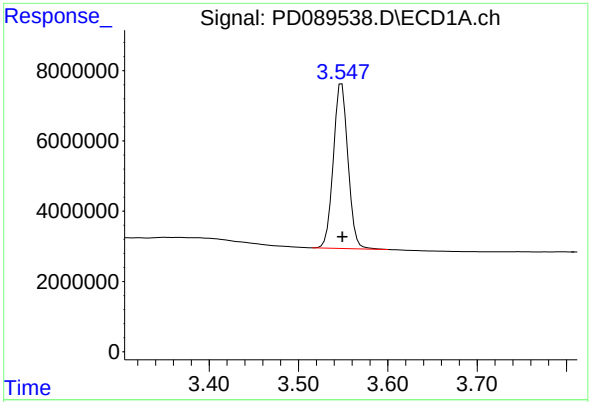
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







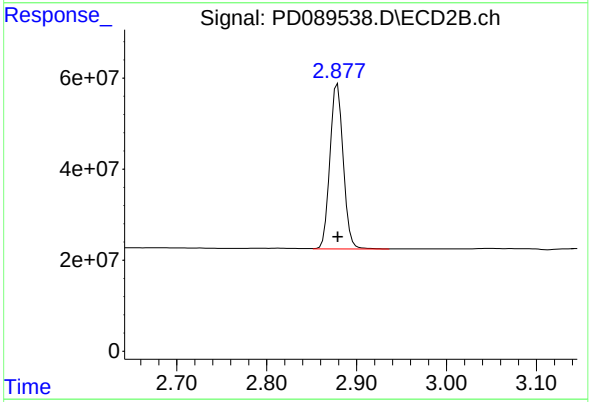
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 53372260
Conc: 18.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

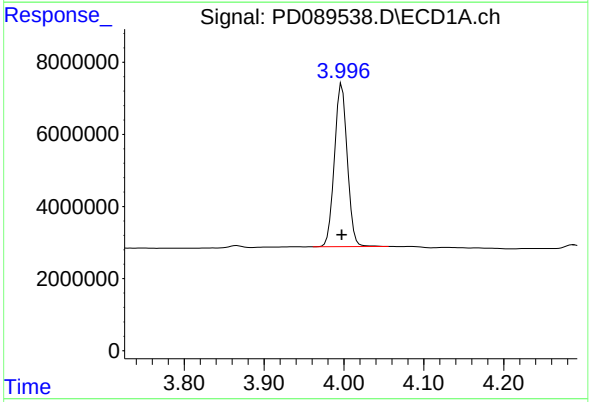
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



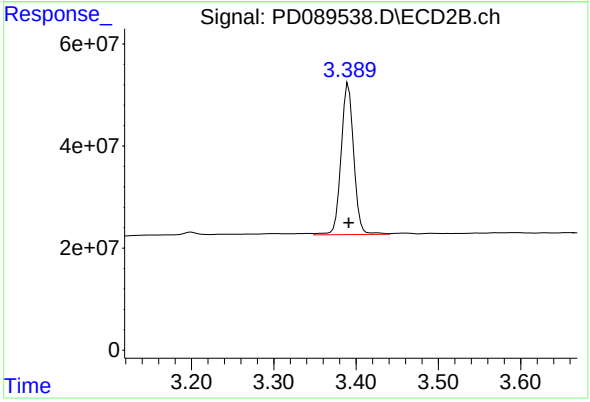
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 373059031
Conc: 19.07 ng/ml



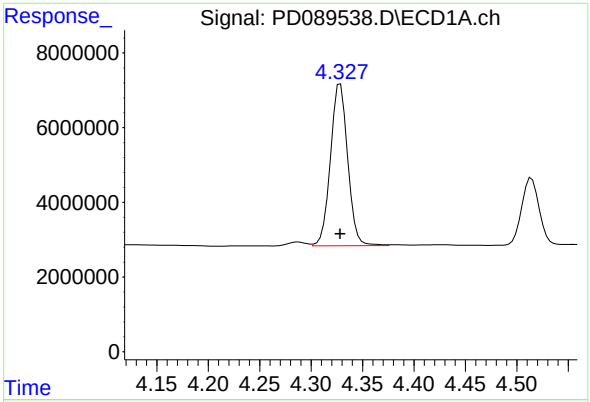
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 50475537
Conc: 8.84 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 317216915
Conc: 10.56 ng/ml



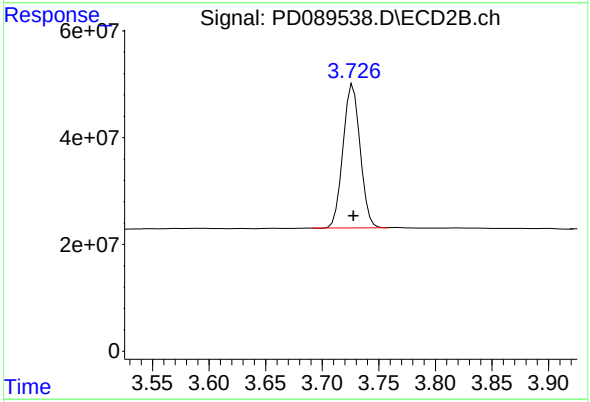
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 50605463
Conc: 9.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

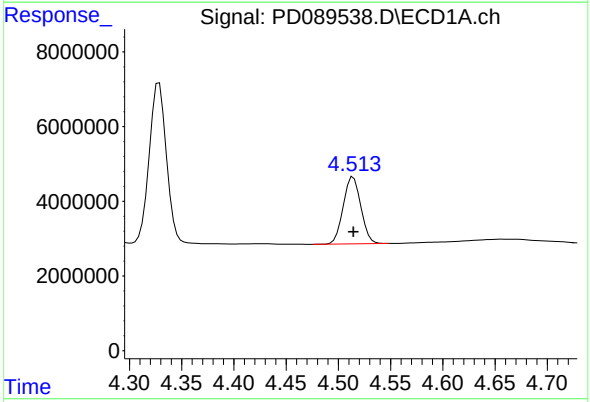
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



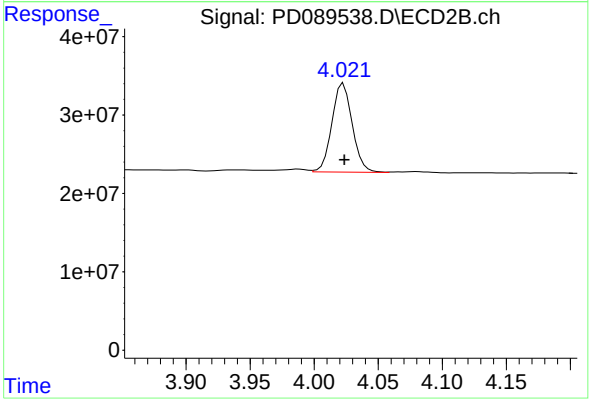
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 283168152
Conc: 10.20 ng/ml



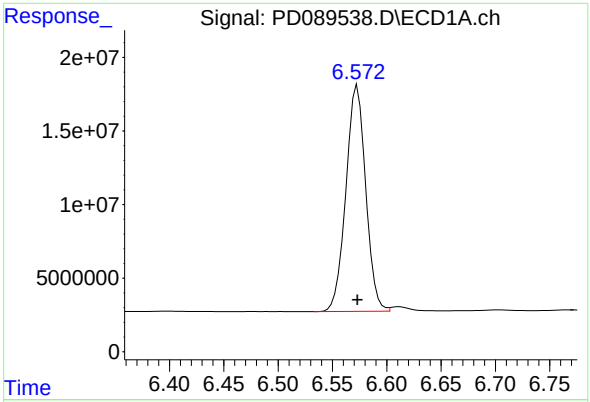
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 20992727
Conc: 9.74 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 125024215
Conc: 10.50 ng/ml



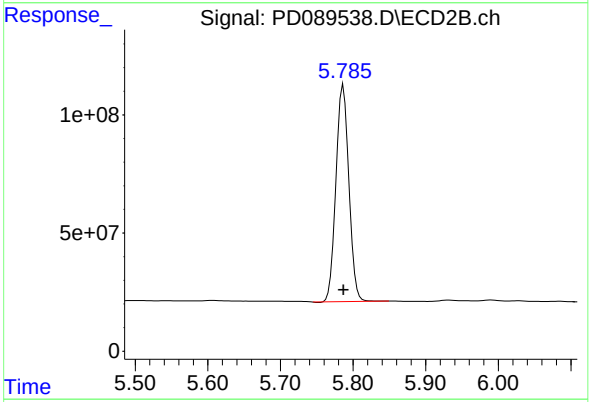
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 194832322
Conc: 47.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

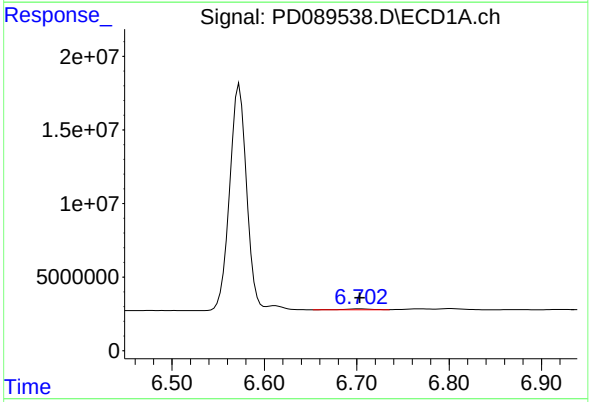
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



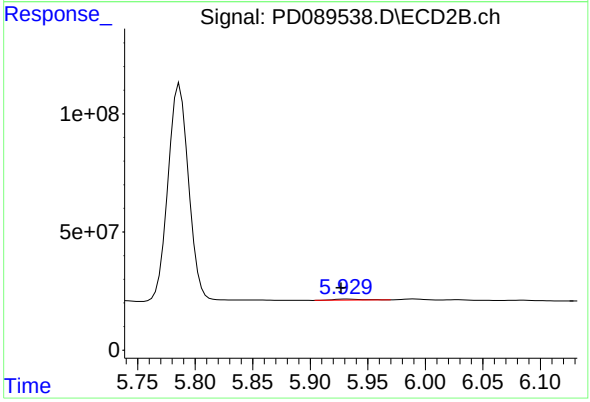
#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 1134667630
Conc: 46.92 ng/ml



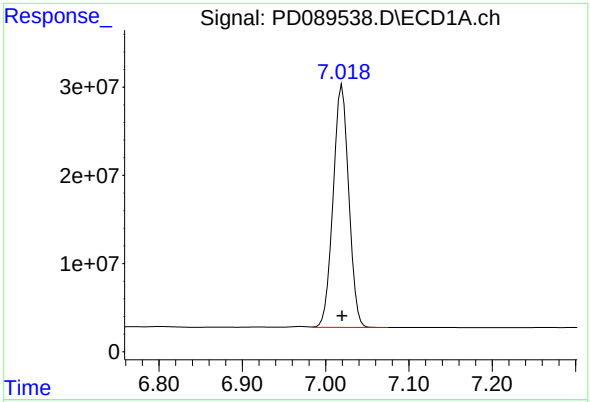
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 1269926
Conc: 0.37 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.004 min
Response: 7637803
Conc: 0.35 ng/ml



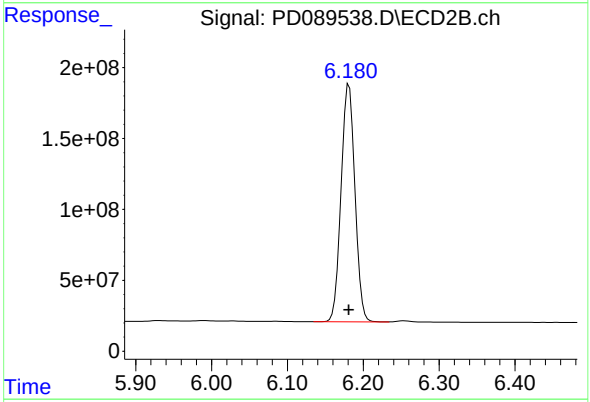
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 359179896
Conc: 95.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

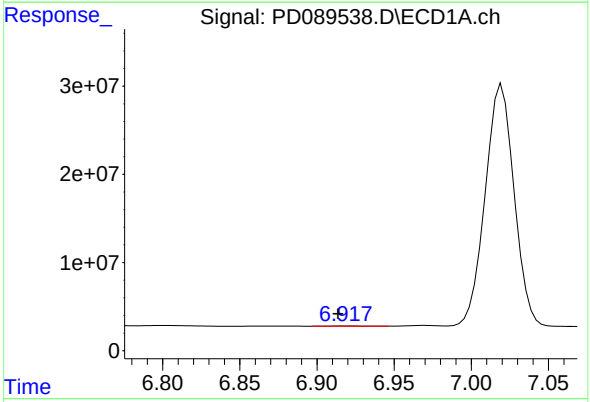
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



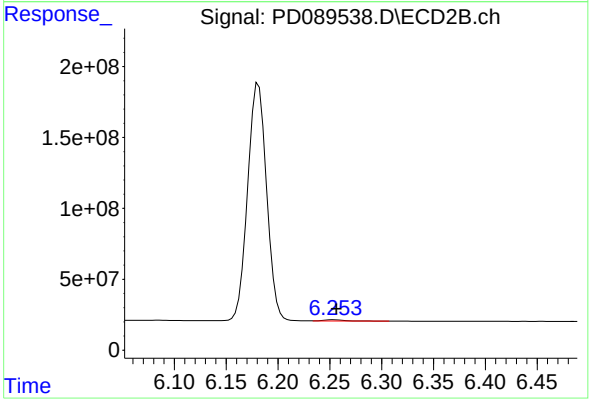
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 2130603297
Conc: 91.02 ng/ml



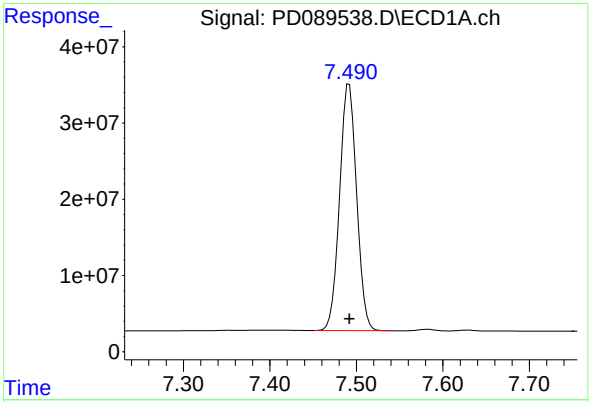
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.005 min
Response: 594479
Conc: 0.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.002 min
Response: 9624267
Conc: 0.58 ng/ml



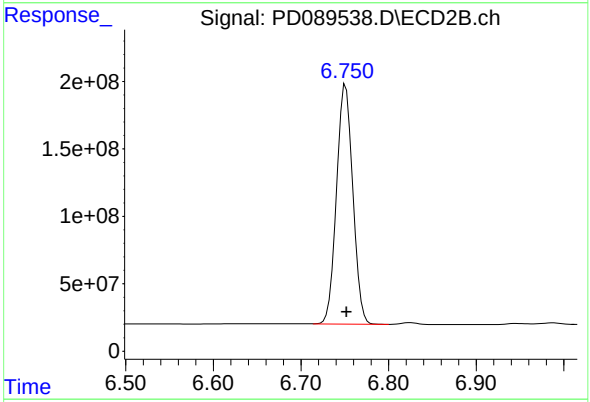
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 440313209
Conc: 219.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

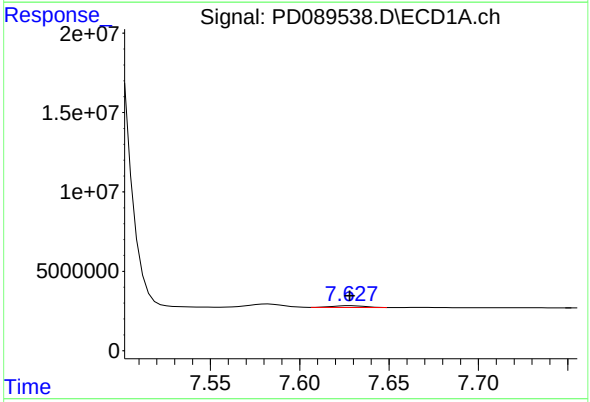
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



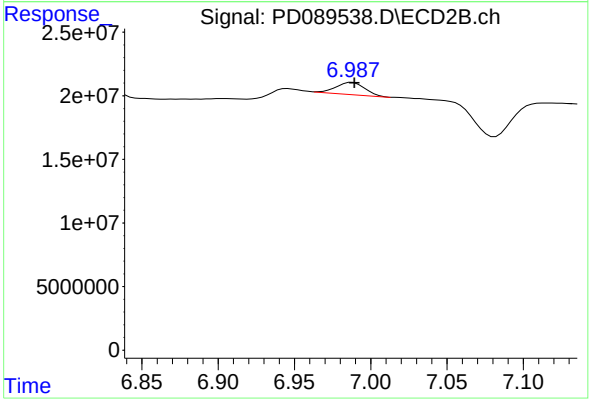
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 2299805464
Conc: 188.63 ng/ml



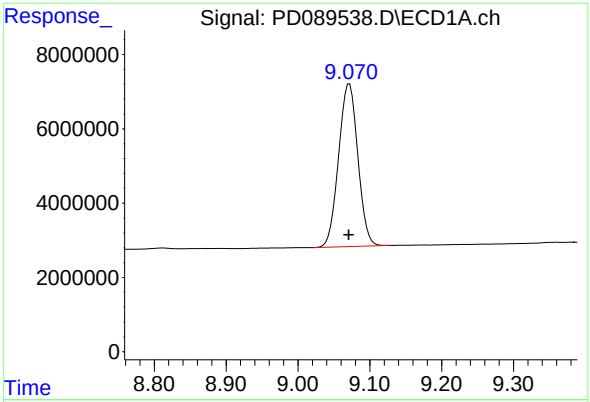
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 1393448
Conc: 0.35 ng/ml m



#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.003 min
Response: 12580586
Conc: 0.51 ng/ml m



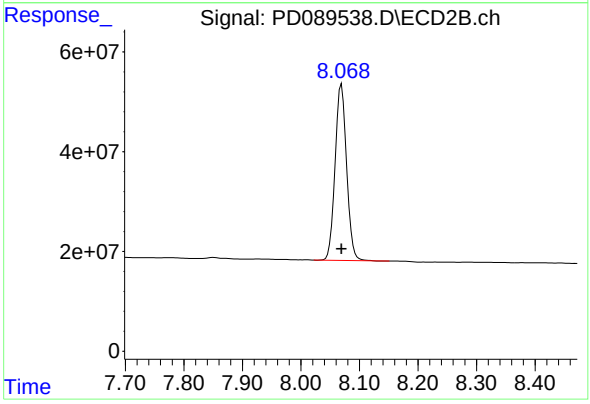
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.001 min
Response: 81289525
Conc: 19.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 481497610
Conc: 19.60 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089592.D **Date Analyzed:** 07/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	20.910	20.000	4.6
Tetrachloro-m-xylene	3.548	3.500	3.600	19.480	20.000	-2.6
alpha-BHC	3.997	3.950	4.050	9.330	10.000	-6.7
beta-BHC	4.514	4.460	4.560	10.470	10.000	4.7
gamma-BHC (Lindane)	4.328	4.280	4.380	9.810	10.000	-1.9
Endrin	6.571	6.500	6.640	50.820	50.000	1.6
4,4'-DDT	7.018	6.950	7.090	101.370	100.000	1.4
Methoxychlor	7.489	7.420	7.560	231.500	250.000	-7.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089592.D **Date Analyzed:** 07/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.068	7.970	8.170	20.840	20.000	4.2
Tetrachloro-m-xylene	2.879	2.830	2.930	20.420	20.000	2.1
alpha-BHC	3.390	3.340	3.440	11.040	10.000	10.4
beta-BHC	4.023	3.970	4.070	10.980	10.000	9.8
gamma-BHC (Lindane)	3.727	3.680	3.780	10.930	10.000	9.3
Endrin	5.785	5.710	5.860	49.870	50.000	-0.3
4,4'-DDT	6.179	6.110	6.250	96.430	100.000	-3.6
Methoxychlor	6.750	6.680	6.820	196.580	250.000	-21.4

PEM

Data File: PD089592.D **Date Acquired** 7/23/2025 12:49

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	206960322.1	210232442.1	3272119.98	**1.56**
Endrin aldehyde	6.91	725325.809			
Endrin ketone	7.62	2546794.173			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1206048626	1258637403	52588777	**4.18**
Endrin aldehyde #2	6.25	12253663.25			
Endrin ketone #2	6.98	40335113.72			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	382481486	384890850.9	2409364.82	**0.63**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	2409364.821			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2257178002	2275030328	17852326	**0.78**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	17852325.95			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	56117111	399.6E6	19.476	20.424
28)	SA Decachlor...	9.068	8.068	85866937	512.1E6	20.907	20.845
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	53298254	331.8E6	9.335	11.042
3)	MA gamma-BHC...	4.328	3.727	54146111	303.5E6	9.814	10.934
6)	B beta-BHC	4.514	4.023	22580257	130.7E6	10.473	10.977
14)	MA Endrin	6.571	5.785	207.0E6	1206.0E6	50.818	49.875
16)	A 4,4'-DDD	6.700	5.927	2409365	17852326	0.711m	0.814
17)	MA 4,4'-DDT	7.018	6.179	382.5E6	2257.2E6	101.375	96.431
18)	B Endrin al...	6.915	6.252	725326	12253663	0.249	0.738 #
20)	A Methoxychlor	7.489	6.750	464.1E6	2396.7E6	231.501	196.584
21)	B Endrin ke...	7.624	6.984	2546794	40335114	0.633m	1.647m#

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

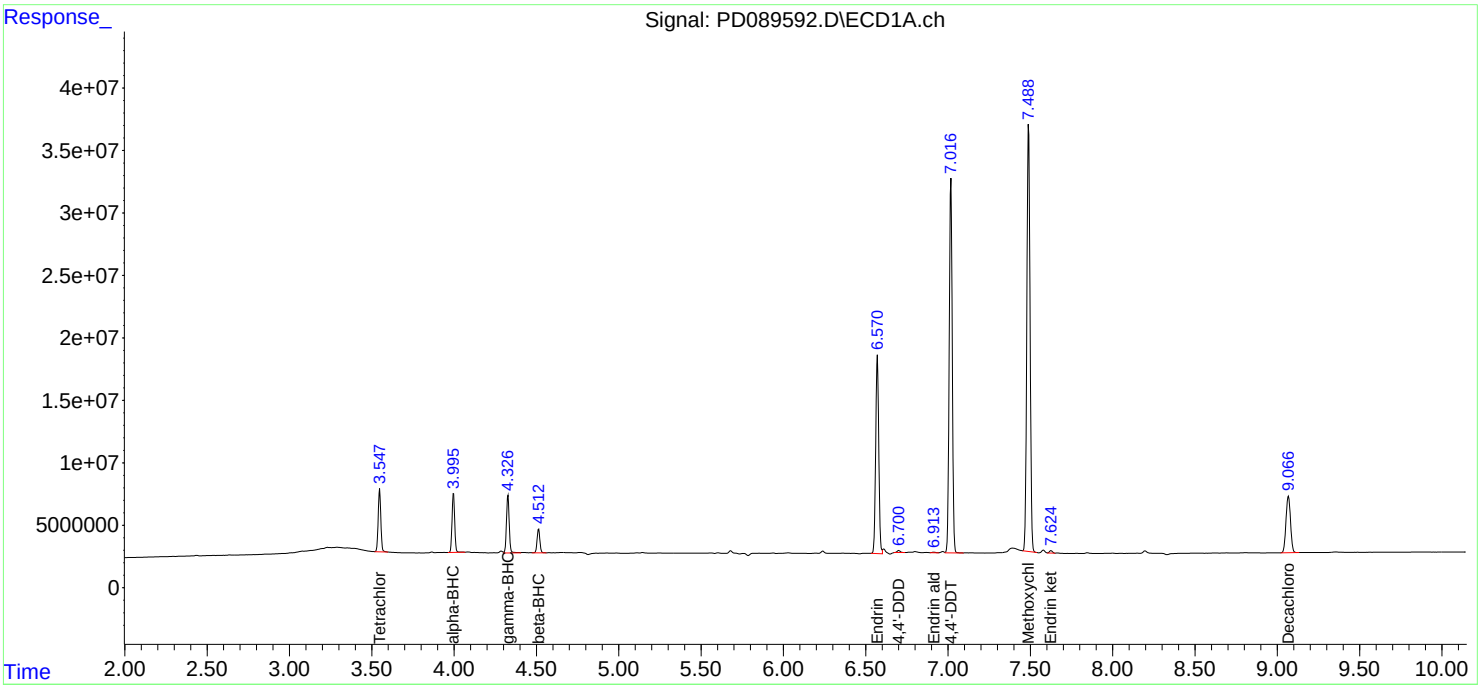
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

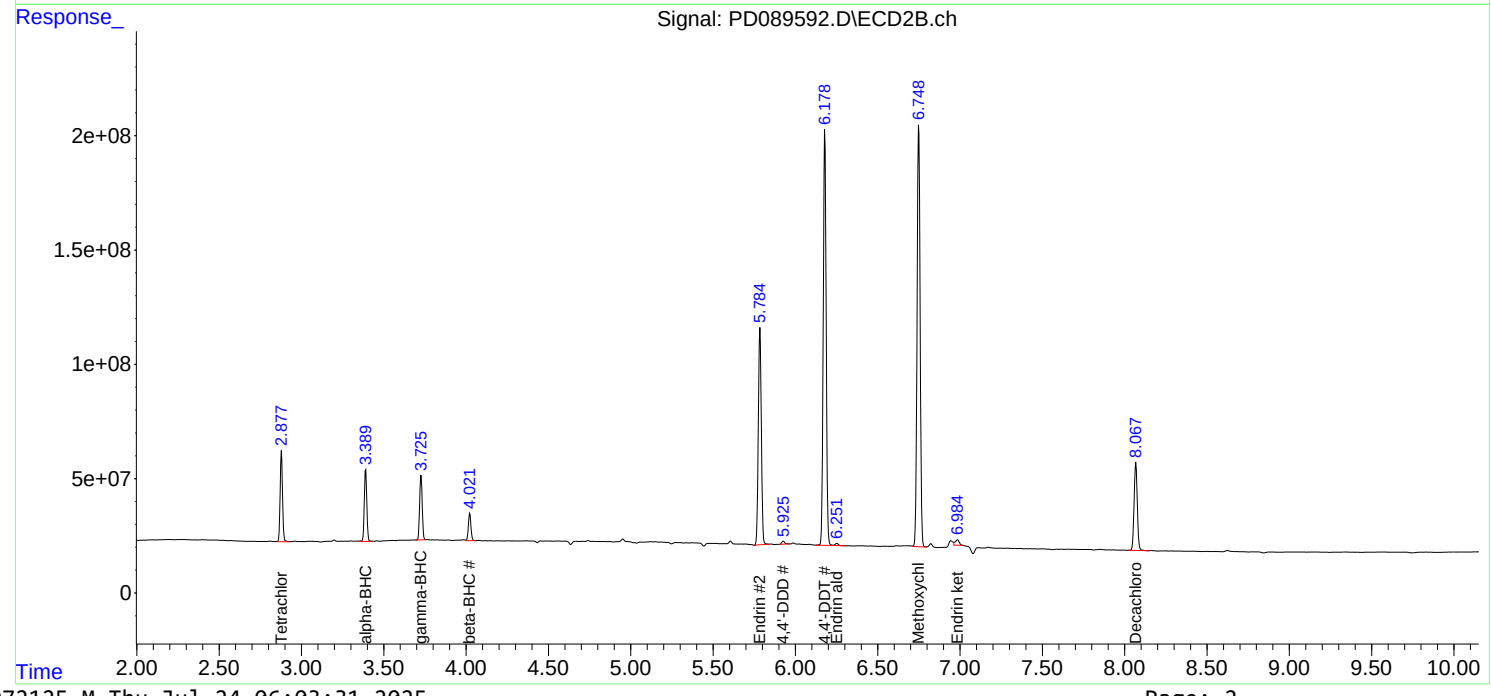
Instrument :
ECD_D
ClientSampleId :
PEM

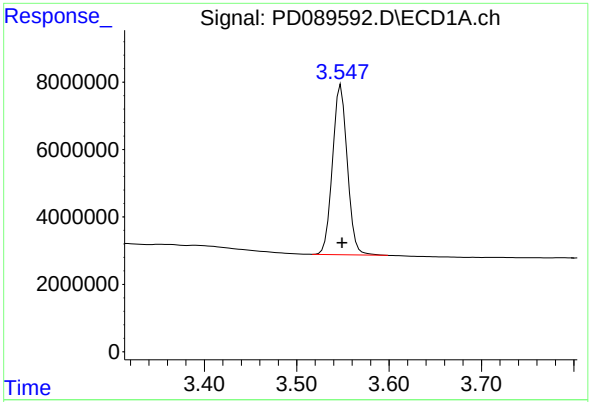
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







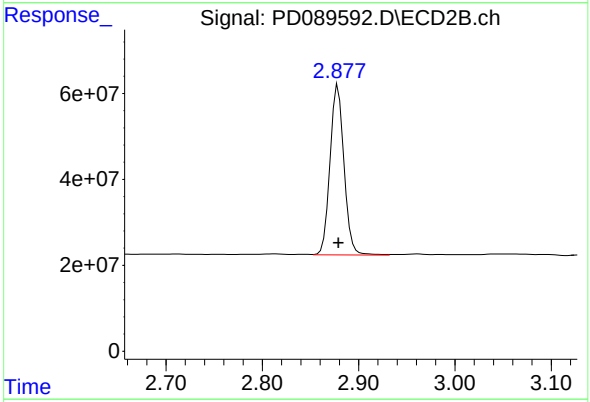
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 56117111
Conc: 19.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

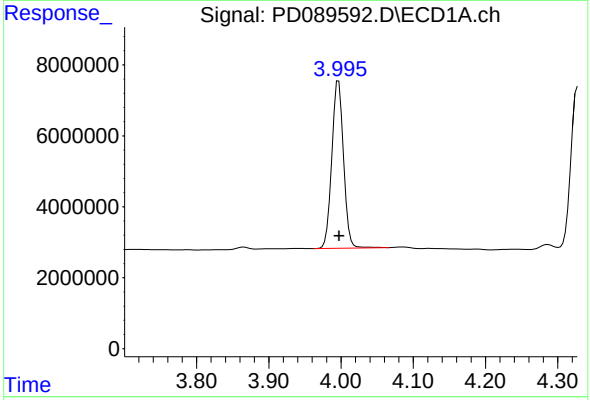
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



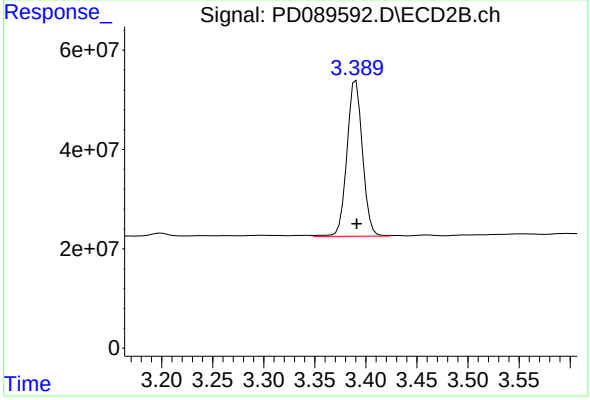
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 399614682
Conc: 20.42 ng/ml



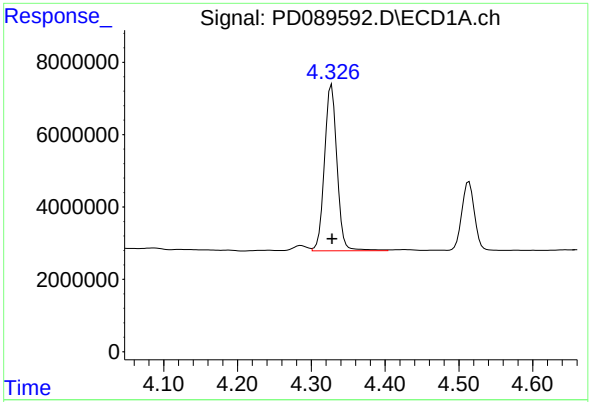
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 53298254
Conc: 9.33 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 331757110
Conc: 11.04 ng/ml



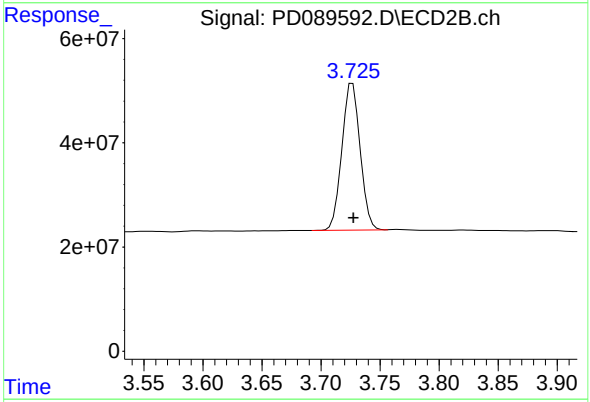
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 54146111
Conc: 9.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

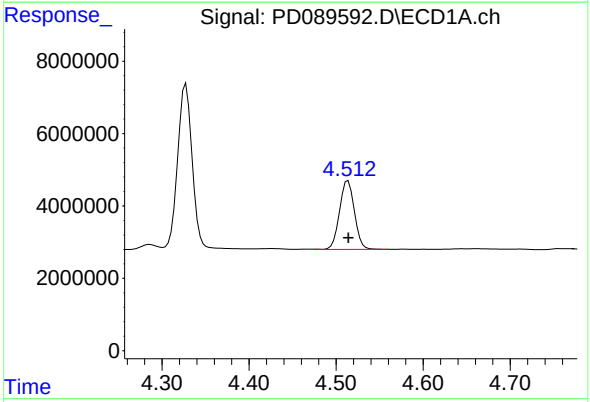
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



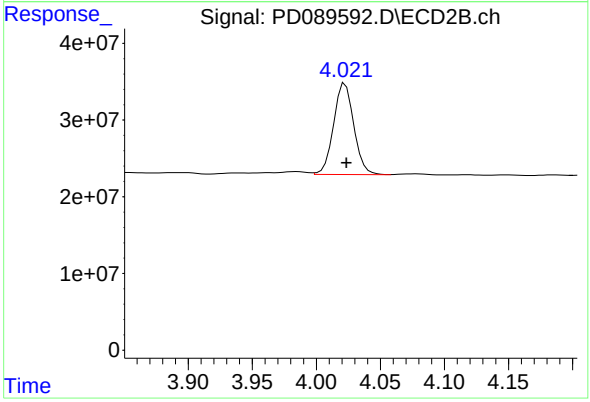
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 303540312
Conc: 10.93 ng/ml



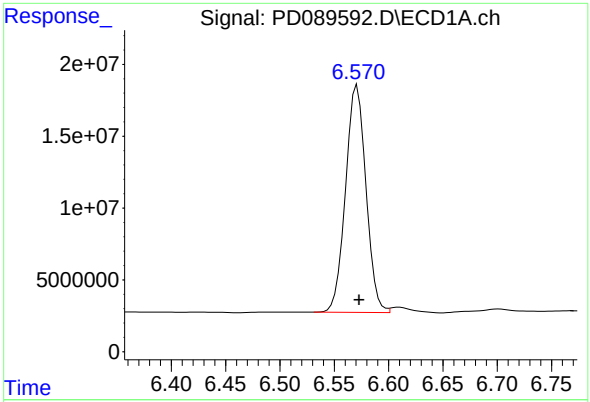
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 22580257
Conc: 10.47 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 130654966
Conc: 10.98 ng/ml



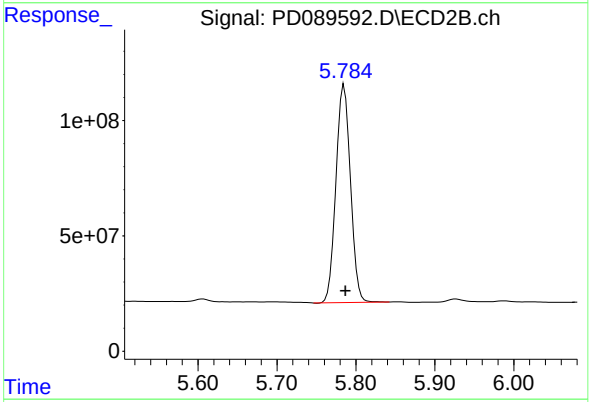
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 206960322
Conc: 50.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

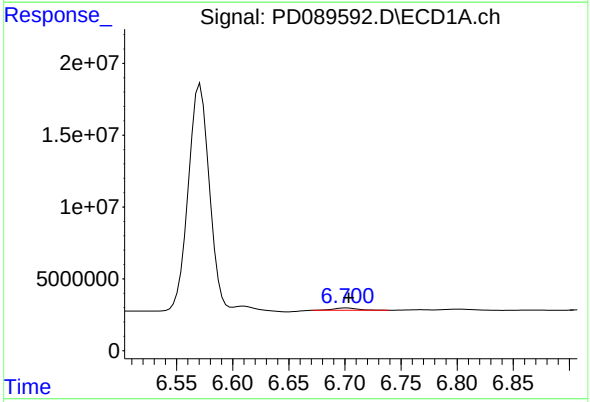
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



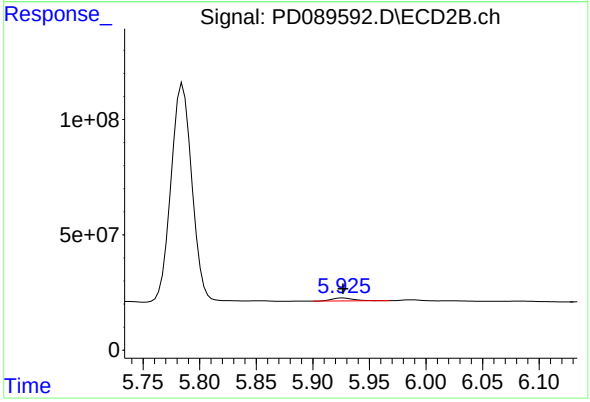
#14 Endrin

R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1206048626
Conc: 49.87 ng/ml



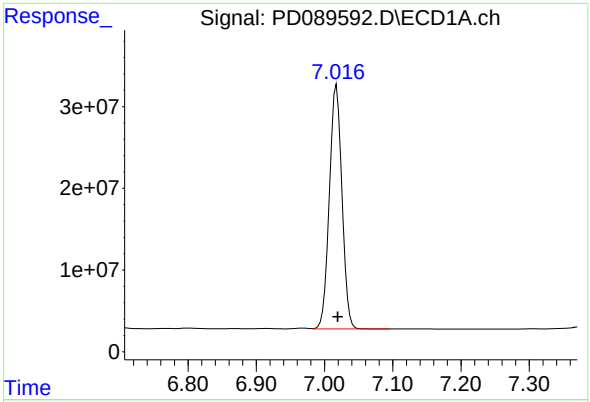
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.003 min
Response: 2409365
Conc: 0.71 ng/ml m



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 17852326
Conc: 0.81 ng/ml



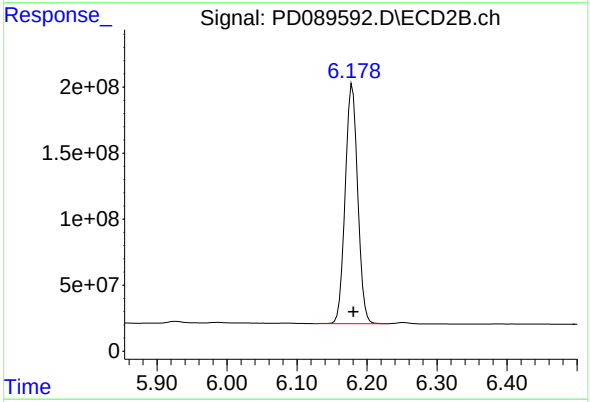
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 382481486
Conc: 101.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

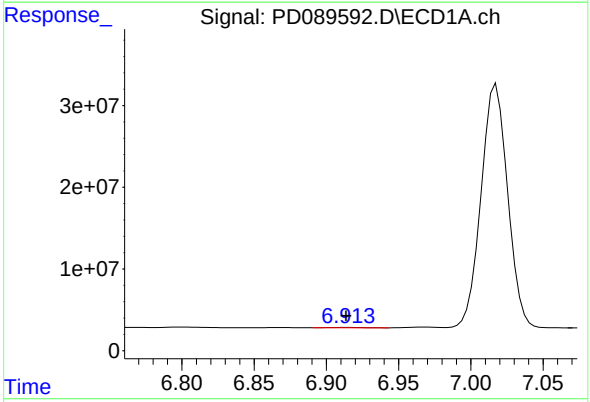
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



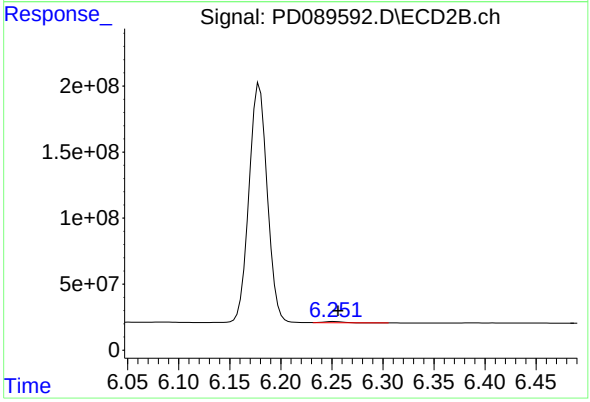
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 2257178002
Conc: 96.43 ng/ml



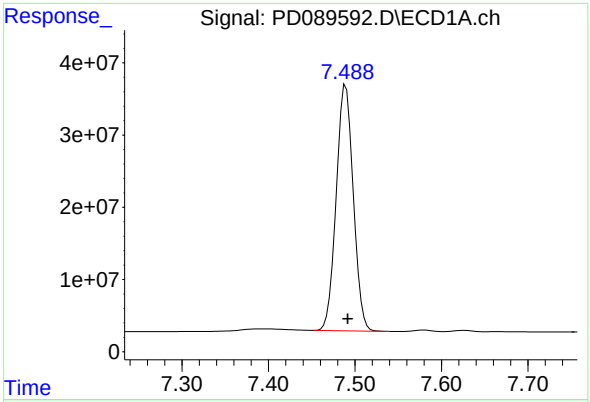
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.001 min
Response: 725326
Conc: 0.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.004 min
Response: 12253663
Conc: 0.74 ng/ml



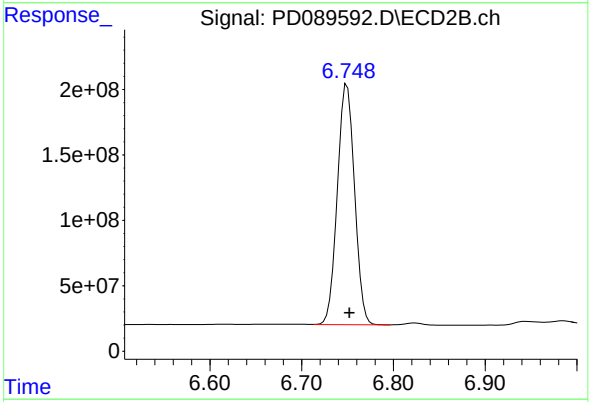
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 464134137
Conc: 231.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

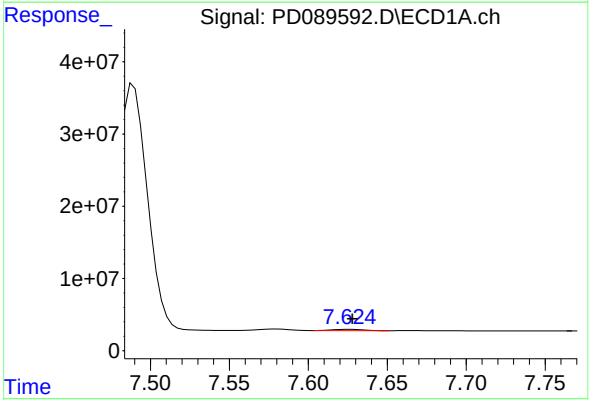
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



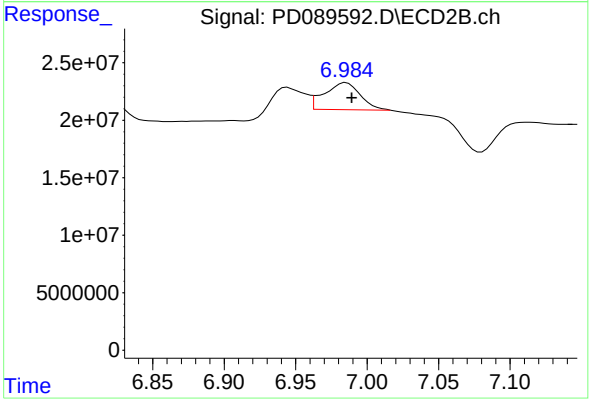
#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: -0.002 min
Response: 2396738028
Conc: 196.58 ng/ml



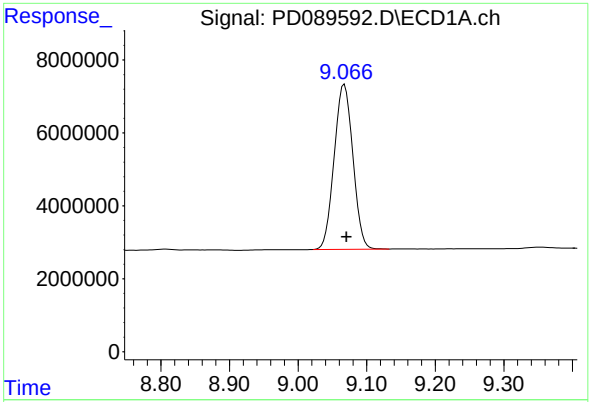
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.004 min
Response: 2546794
Conc: 0.63 ng/ml m



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.005 min
Response: 40335114
Conc: 1.65 ng/ml m



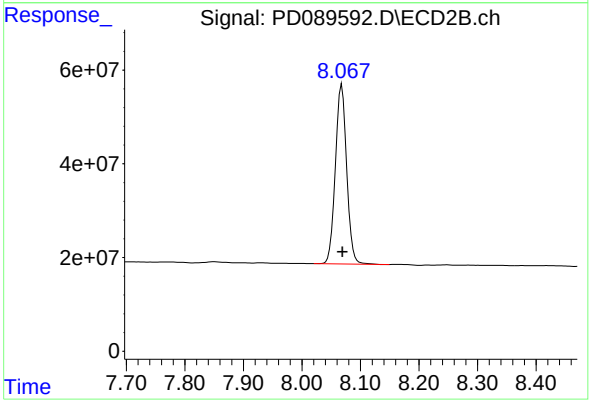
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 85866937
Conc: 20.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.001 min
Response: 512120464
Conc: 20.84 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088992.D
Acq On : 17 Jun 2025 15:39
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\PD061825.M
Title : GC Extractables
Last Update : Wed Jun 18 05:39:05 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.549	5.945	100.00%
5.945	6.073	100.00%
6.073	6.194	100.00%
6.194	6.346	100.00%
6.346	7.149	100.00%
7.149	7.493	100.00%
7.493	7.629	100.00%
7.629	9.072	100.00%

Signal #2

2.880	5.126	100.00%
5.126	5.247	100.00%
5.247	5.375	100.00%
5.375	5.513	100.00%
5.513	6.482	100.00%
6.482	6.754	100.00%
6.754	6.991	100.00%
6.991	8.072	100.00%

PD061825.M Wed Jun 18 06:03:43 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:39
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: Jun 18 05:45:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.880	52680950	330.6E6	18.464	19.499
28)	SA Decachlor...	9.072	8.072	78084661	390.3E6	19.881	19.740
	Target Compounds						
9)	A Endosulfan I	6.073	5.247	38990490	203.9E6	8.650	9.781
10)	B gamma-Chl...	5.945	5.126	42512564	246.4E6	8.879	10.301
12)	B 4,4'-DDE	6.194	5.375	80006399	453.6E6	18.346	19.792
13)	MA Dieldrin	6.346	5.513	85610068	448.6E6	17.845	19.331
19)	B Endosulfa...	7.149	6.482	70890098	384.7E6	18.474	19.606
20)	A Methoxychlor	7.493	6.754	177.7E6	906.9E6	87.946	84.219
21)	B Endrin ke...	7.629	6.991	74223999	422.4E6	18.223	19.555

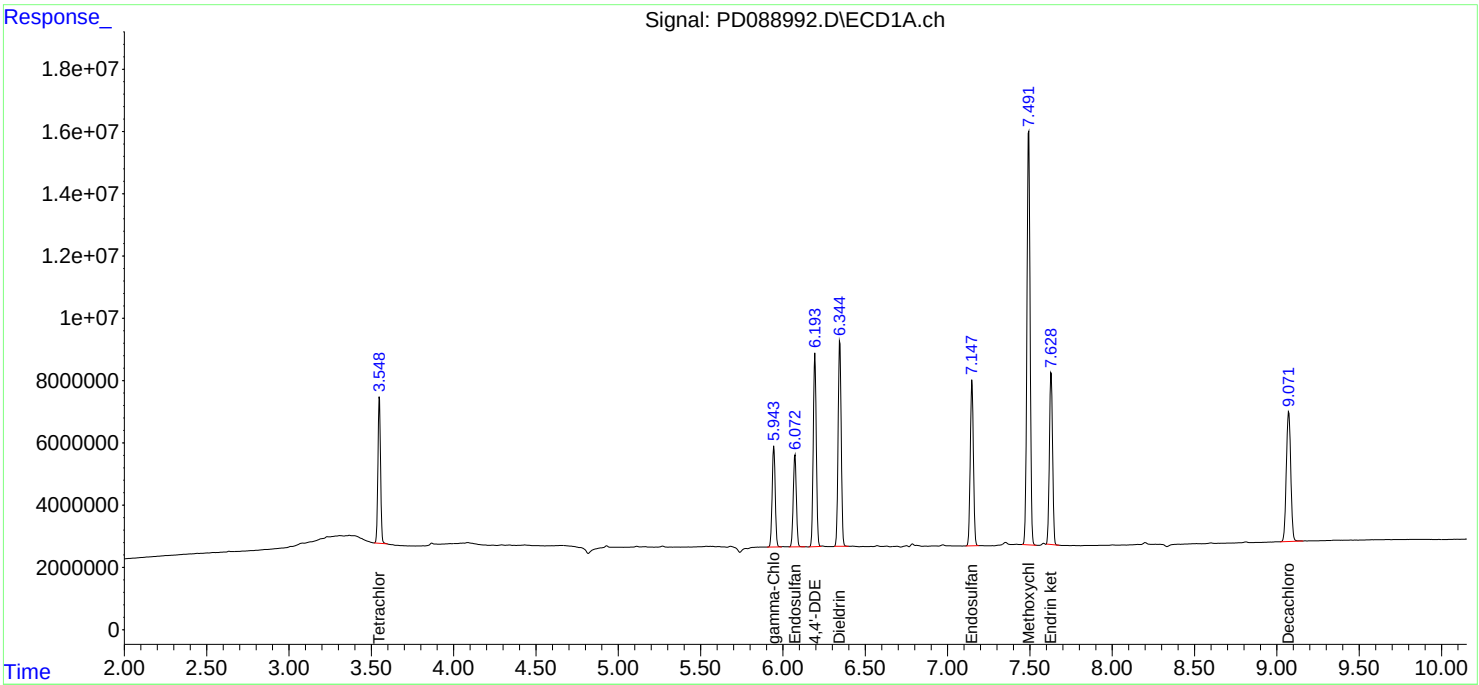
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

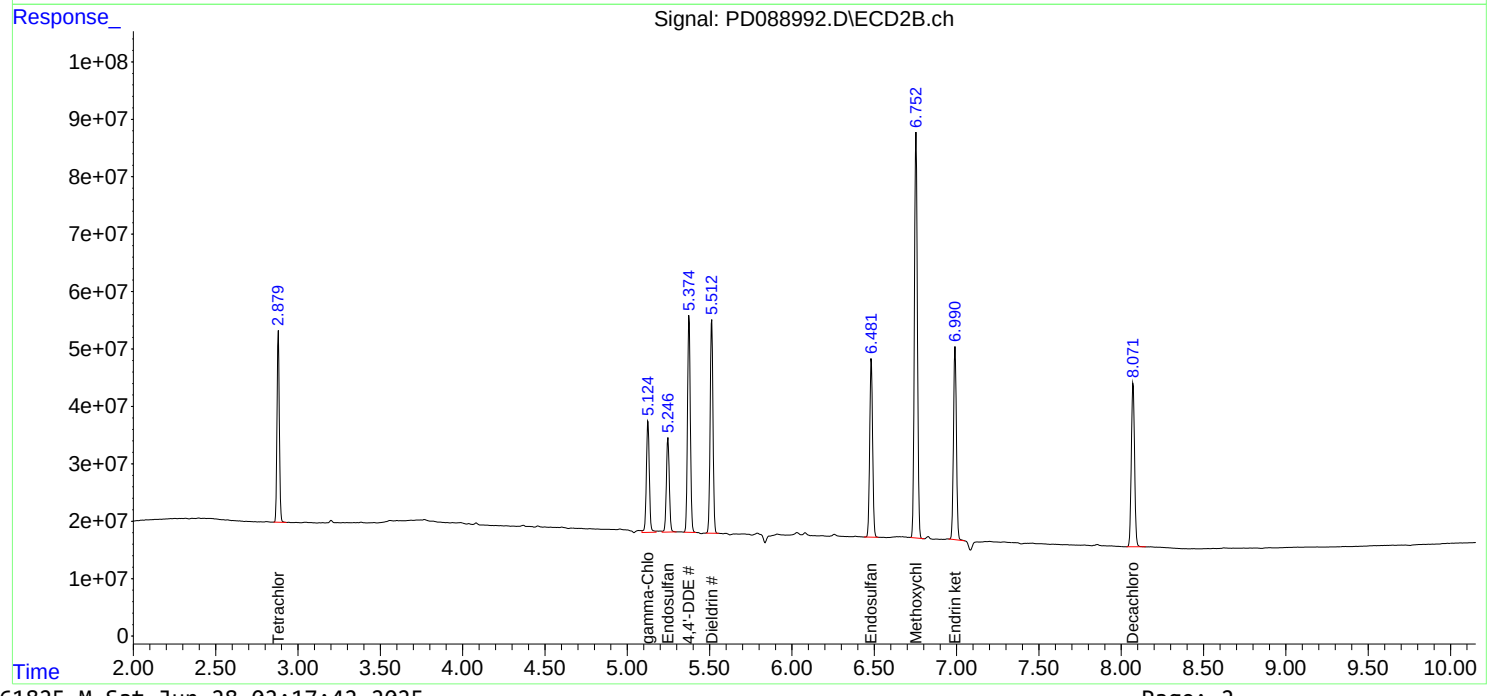
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:39
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

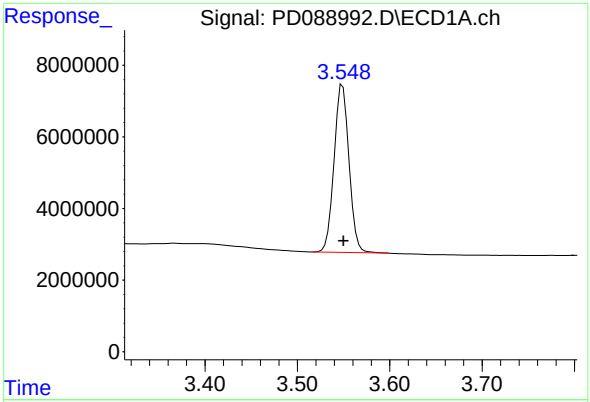
Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



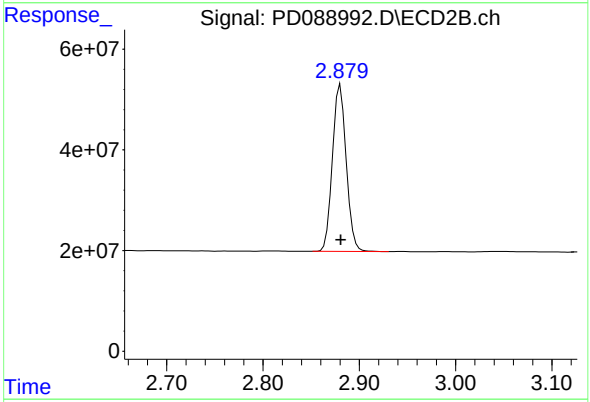




#1 Tetrachloro-m-xylene

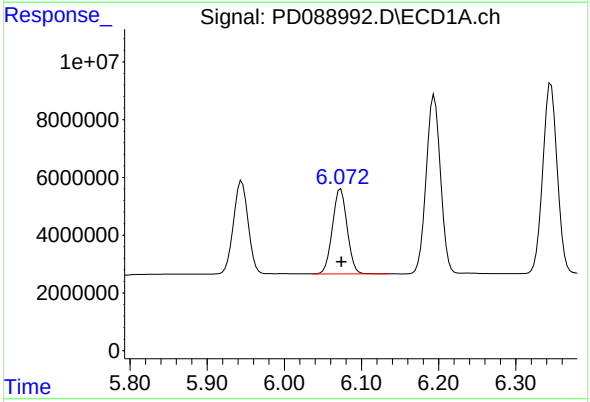
R.T.: 3.549 min
Delta R.T.: -0.001 min
Response: 52680950
Conc: 18.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



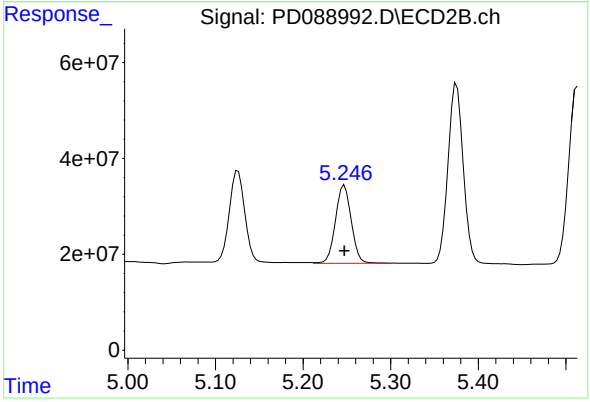
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 330573317
Conc: 19.50 ng/ml



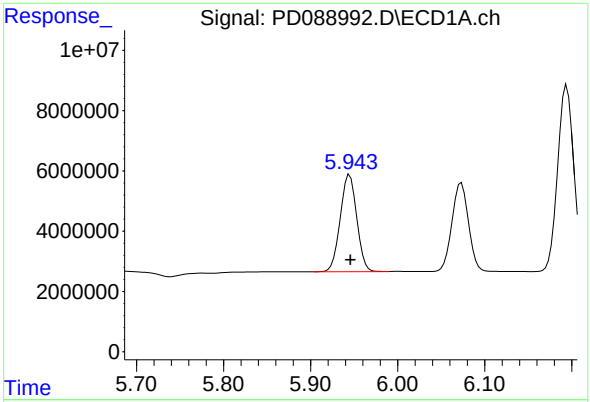
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 38990490
Conc: 8.65 ng/ml



#9 Endosulfan I

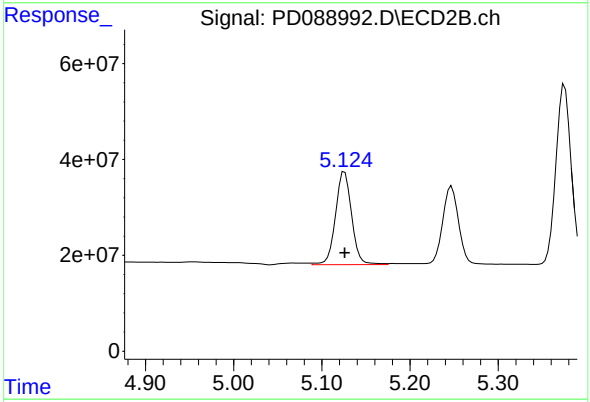
R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 203864959
Conc: 9.78 ng/ml



#10 gamma-Chlordane

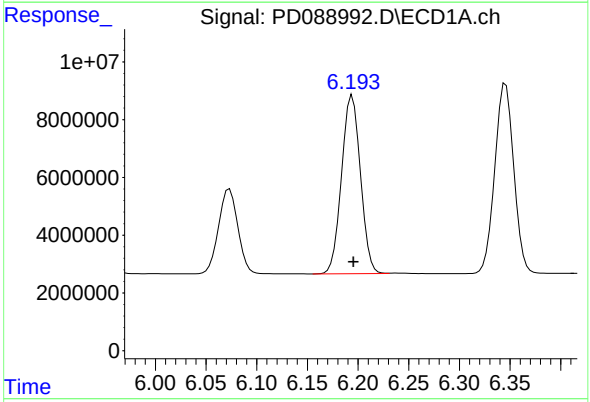
R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 42512564
Conc: 8.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



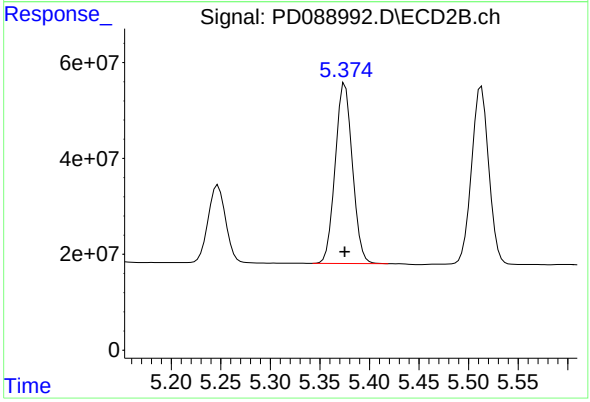
#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 246437887
Conc: 10.30 ng/ml



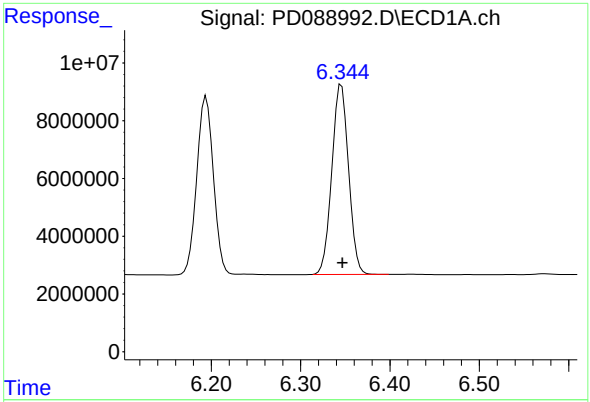
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 80006399
Conc: 18.35 ng/ml



#12 4,4'-DDE

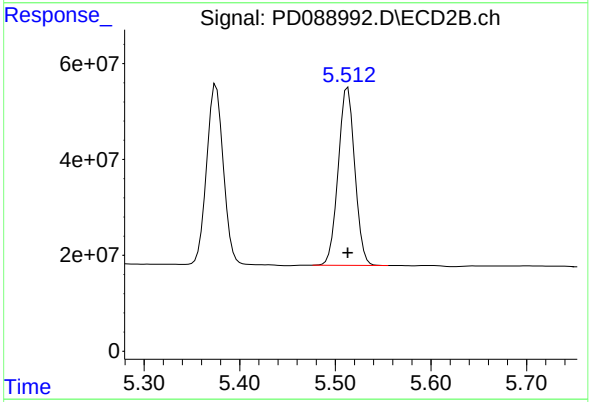
R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 453562275
Conc: 19.79 ng/ml



#13 Dieldrin

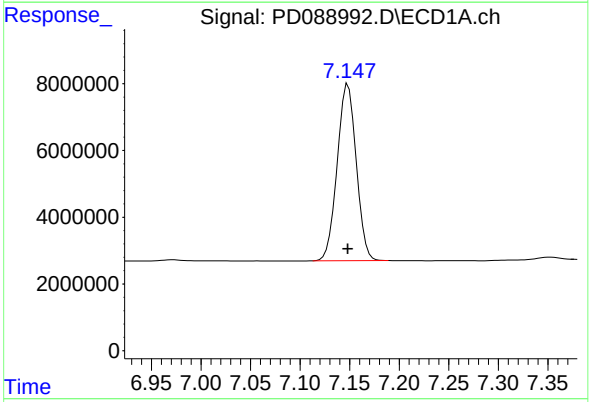
R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 85610068
Conc: 17.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



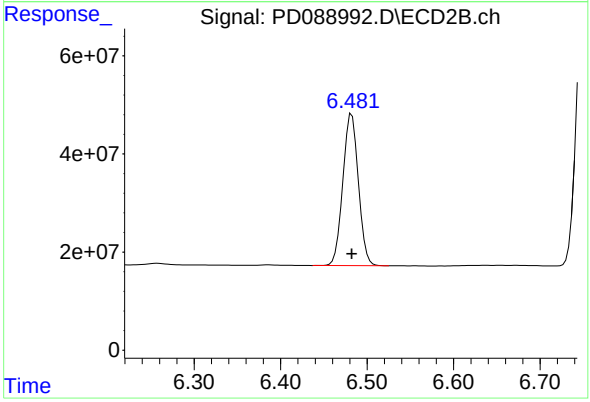
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 448633404
Conc: 19.33 ng/ml



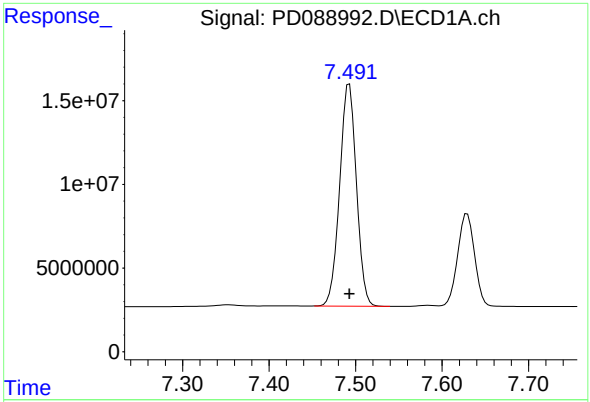
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 70890098
Conc: 18.47 ng/ml



#19 Endosulfan Sulfate

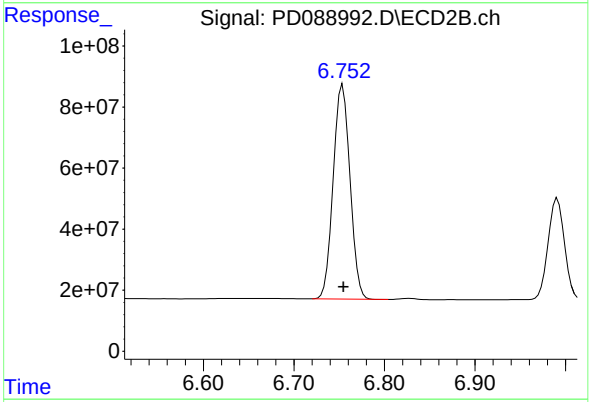
R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 384695171
Conc: 19.61 ng/ml



#20 Methoxychlor

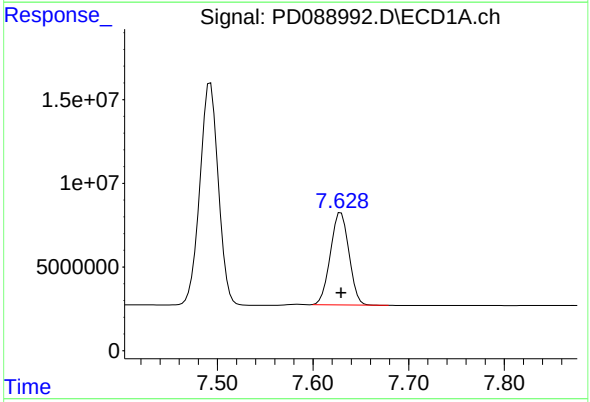
R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 177705291
Conc: 87.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



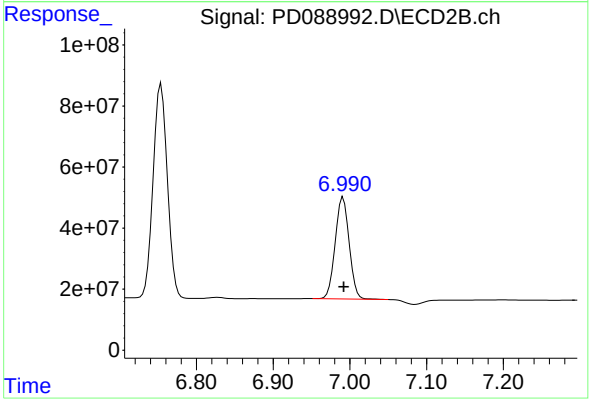
#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 906875013
Conc: 84.22 ng/ml



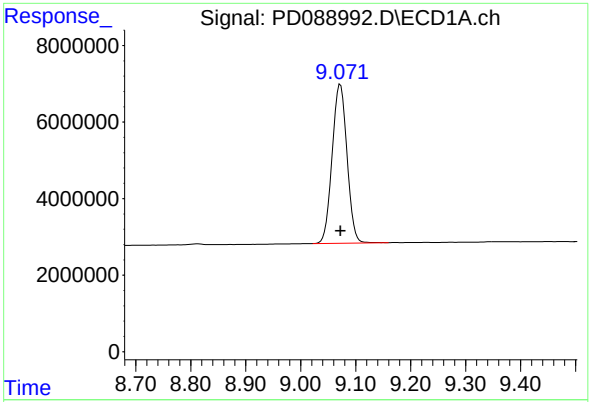
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 74223999
Conc: 18.22 ng/ml



#21 Endrin ketone

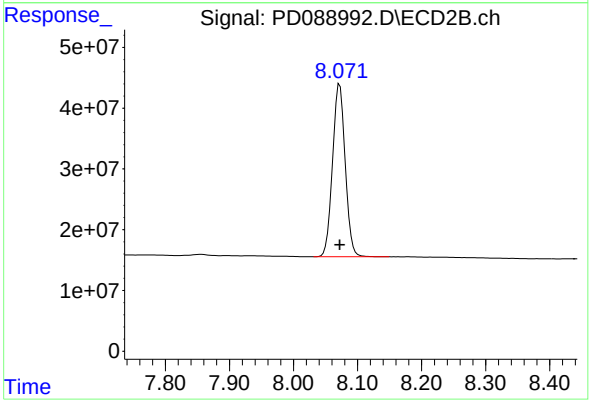
R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 422419686
Conc: 19.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 78084661
Conc: 19.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 390253423
Conc: 19.74 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089539.D
Acq On : 21 Jul 2025 12:35
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\PD072125.M
Title : GC Extractables
Last Update : Tue Jul 22 04:39:29 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.548	5.944	100.00%
5.944	6.073	100.00%
6.073	6.194	100.00%
6.194	6.345	100.00%
6.345	7.148	100.00%
7.148	7.492	100.00%
7.492	7.629	100.00%
7.629	9.071	100.00%

Signal #2

2.879	5.123	100.00%
5.123	5.244	100.00%
5.244	5.373	100.00%
5.373	5.510	100.00%
5.510	6.480	100.00%
6.480	6.752	100.00%
6.752	6.990	100.00%
6.990	8.070	100.00%

PD072125.M Tue Jul 22 05:04:24 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089539.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:35
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: Jul 22 04:42:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	51809968	366.9E6	17.981	18.750
28)	SA Decachlor...	9.071	8.070	78129847	453.3E6	19.023	18.452
	Target Compounds						
9)	A Endosulfan I	6.073	5.244	38431902	224.6E6	8.645	9.458
10)	B gamma-Chl...	5.944	5.123	42237481	267.0E6	8.909	9.982
12)	B 4,4'-DDE	6.194	5.373	77258612	510.3E6	17.993	19.434
13)	MA Dieldrin	6.345	5.510	83847363	504.8E6	17.762	19.103
19)	B Endosulfa...	7.148	6.480	70006243	429.5E6	18.549	19.348
20)	A Methoxychlor	7.492	6.752	174.7E6	1003.1E6	87.156	82.274
21)	B Endrin ke...	7.629	6.990	73683552	472.0E6	18.310	19.274

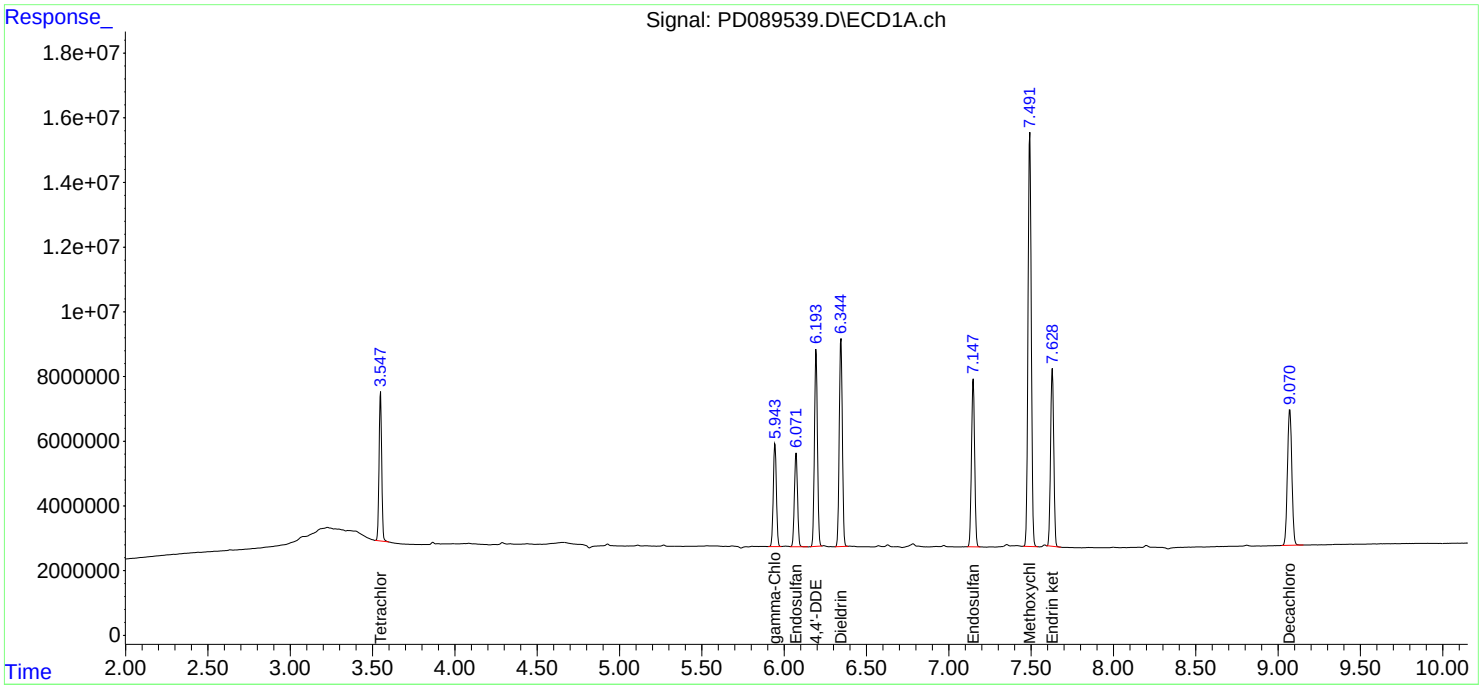
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

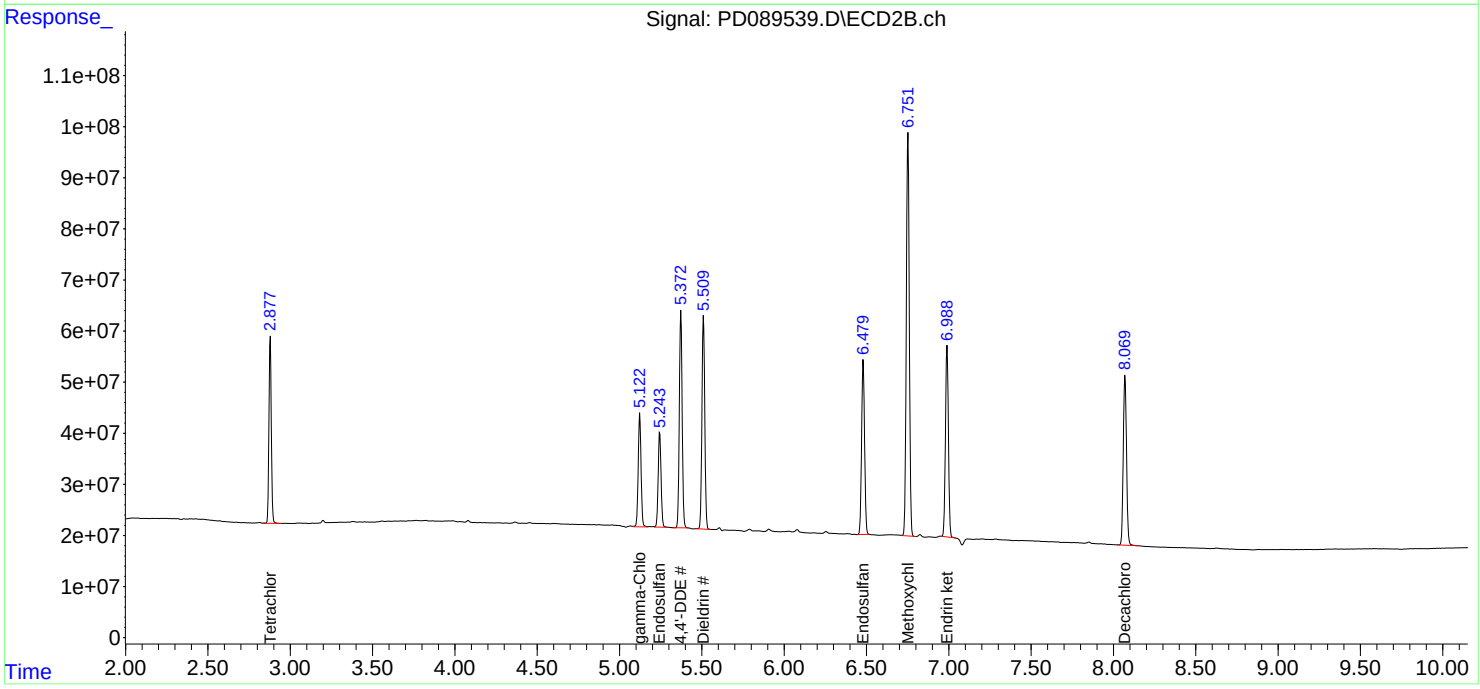
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089539.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:35
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

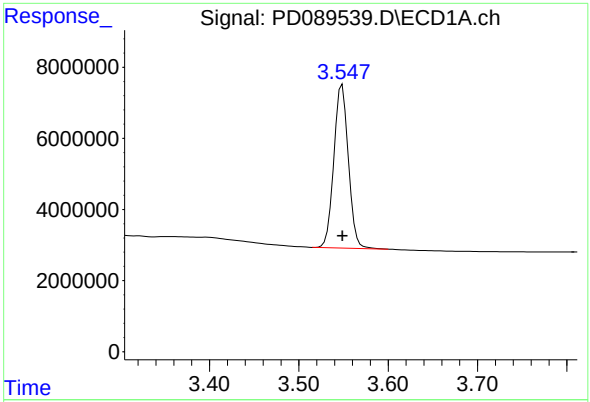
Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:42:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



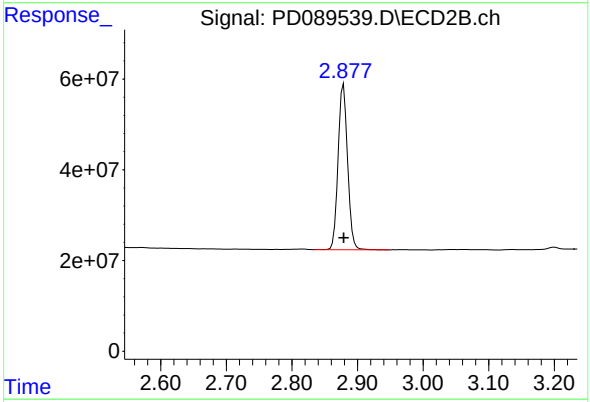




#1 Tetrachloro-m-xylene

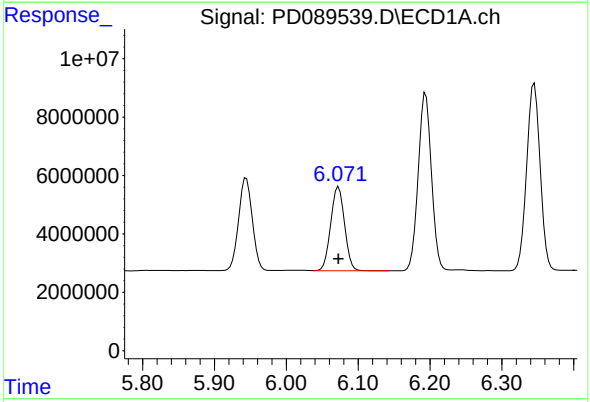
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 51809968
Conc: 17.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



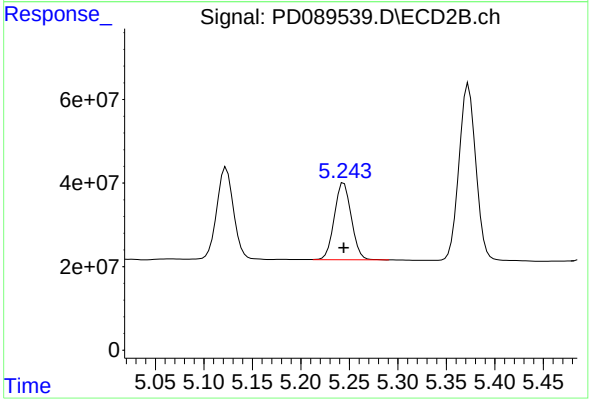
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 366859486
Conc: 18.75 ng/ml



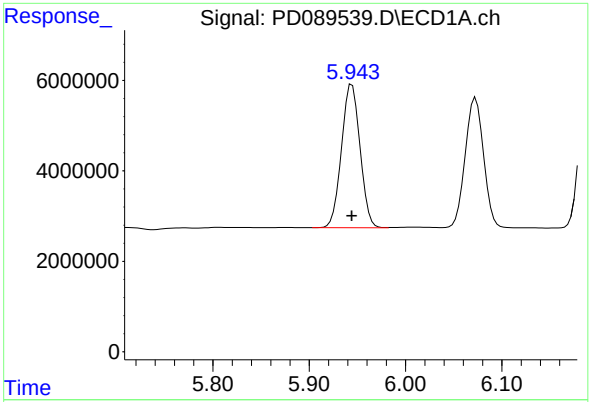
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 38431902
Conc: 8.64 ng/ml



#9 Endosulfan I

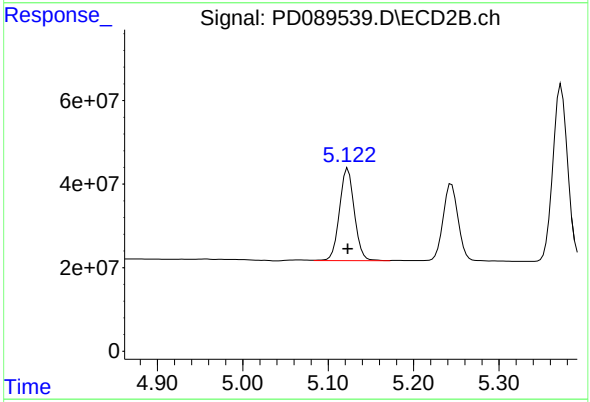
R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 224597727
Conc: 9.46 ng/ml



#10 gamma-Chlordane

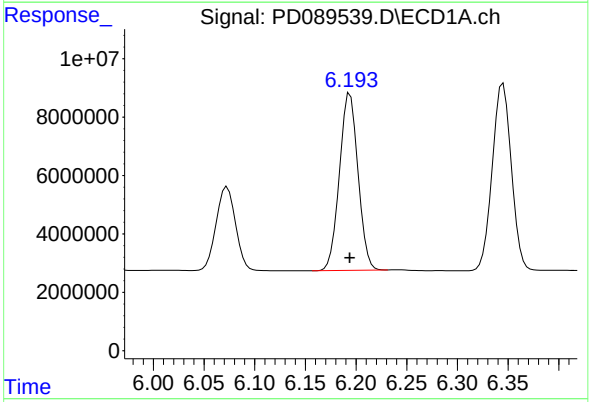
R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 42237481
Conc: 8.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



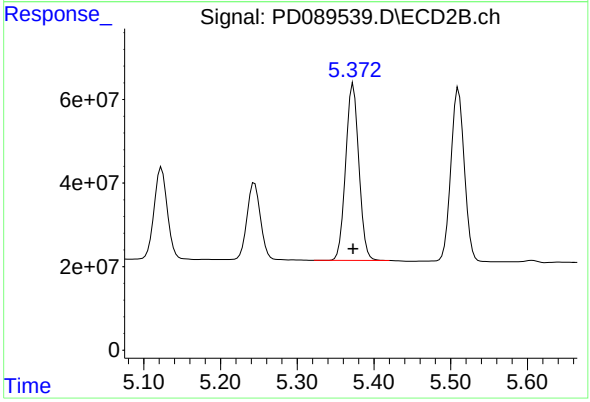
#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 267039042
Conc: 9.98 ng/ml



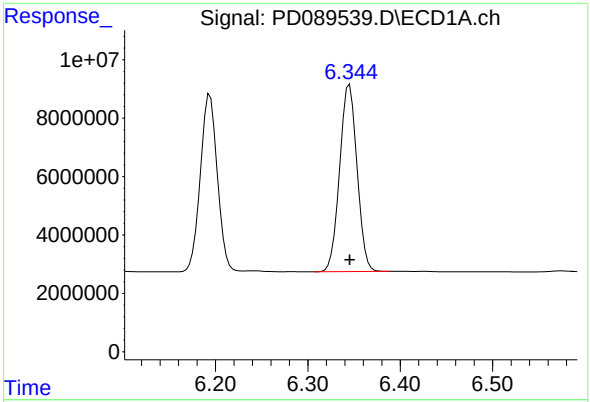
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 77258612
Conc: 17.99 ng/ml



#12 4,4'-DDE

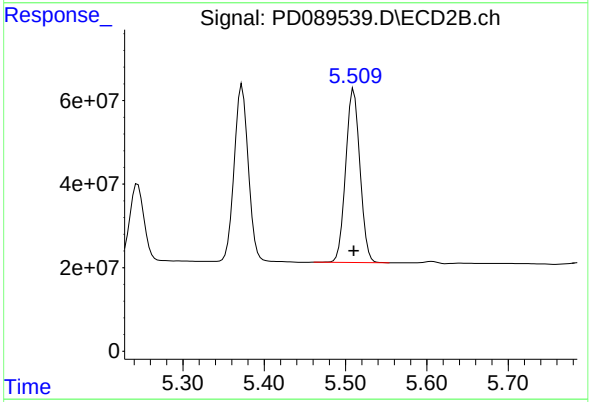
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 510254291
Conc: 19.43 ng/ml



#13 Dieldrin

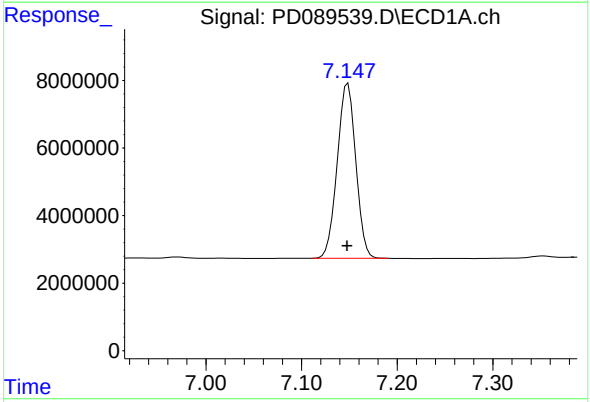
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 83847363
Conc: 17.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



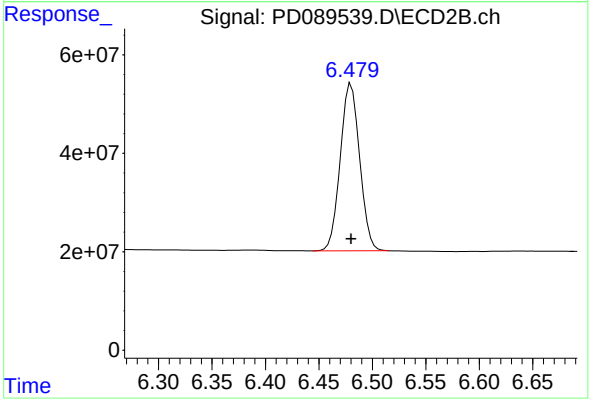
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 504825335
Conc: 19.10 ng/ml



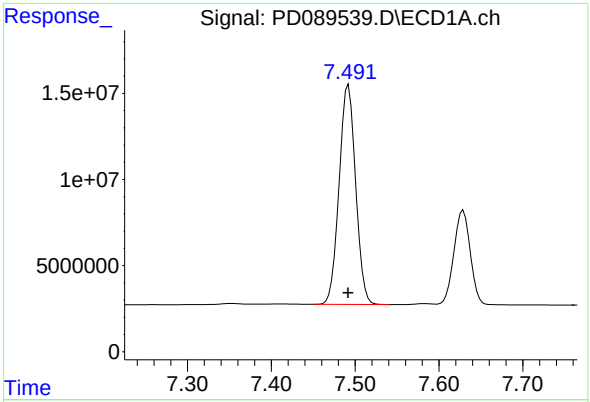
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 70006243
Conc: 18.55 ng/ml



#19 Endosulfan Sulfate

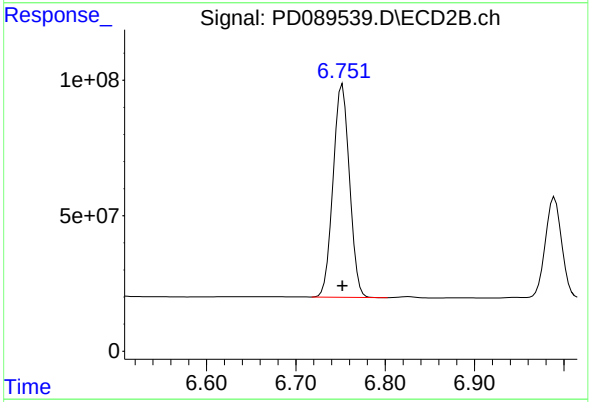
R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 429487748
Conc: 19.35 ng/ml



#20 Methoxychlor

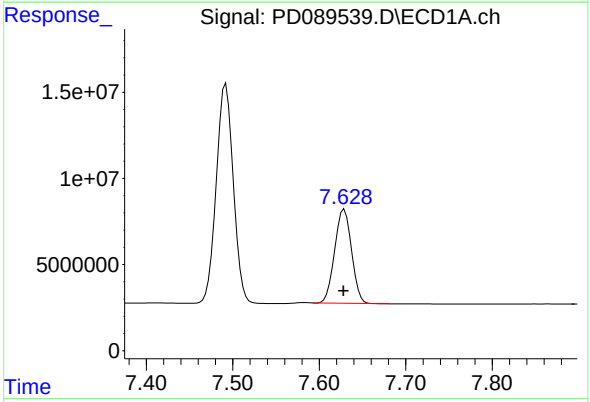
R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 174739023
Conc: 87.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



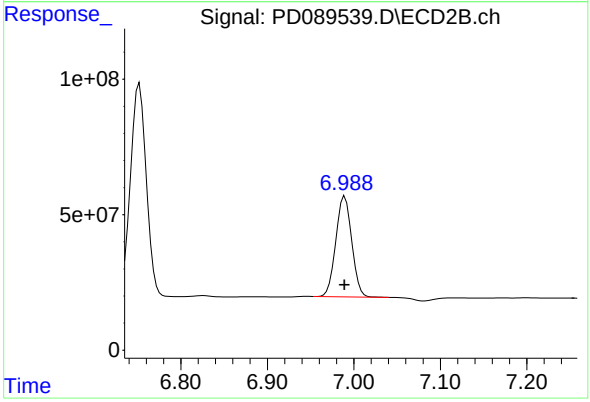
#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 1003076887
Conc: 82.27 ng/ml



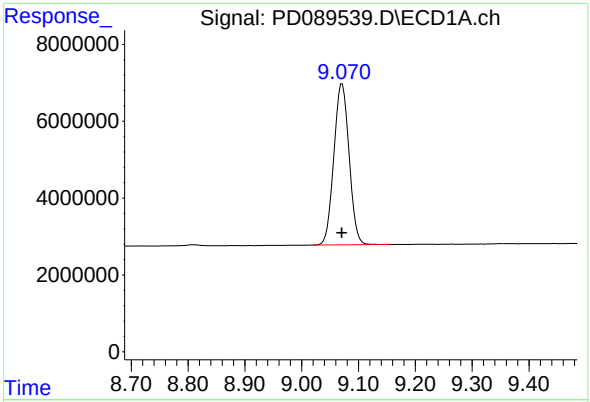
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 73683552
Conc: 18.31 ng/ml



#21 Endrin ketone

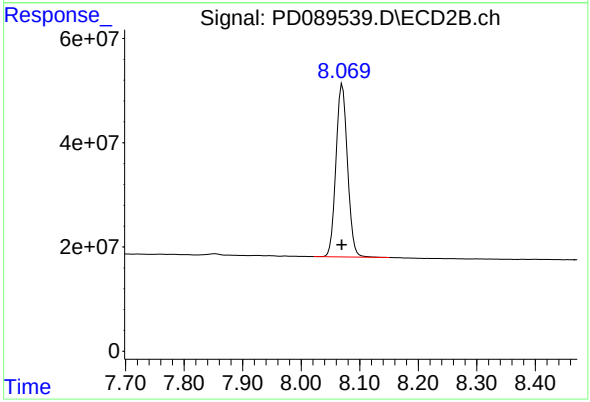
R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 471998069
Conc: 19.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 78129847
Conc: 19.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 453328331
Conc: 18.45 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2555

Project: Raymark Superfund Site **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
I.BLK	I.BLK	07/11/2025	10:06	PD089450.D	9.07	3.55
PEM	PEM	07/11/2025	10:20	PD089451.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/11/2025	11:25	PD089452.D	9.07	3.55
PB168810BL	PB168810BL	07/11/2025	13:01	PD089453.D	9.08	3.56
PB168810BS	PB168810BS	07/11/2025	13:15	PD089454.D	9.07	3.55
LP-7102025MS	Q2560-01MS	07/11/2025	13:56	PD089457.D	9.07	3.55
LP-7102025MSD	Q2560-01MSD	07/11/2025	14:09	PD089458.D	9.07	3.55
I.BLK	I.BLK	07/11/2025	15:04	PD089462.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/11/2025	15:17	PD089463.D	9.07	3.55
PEM	PEM	07/14/2025	10:57	PD089474.D	9.07	3.55
I.BLK	I.BLK	07/14/2025	16:44	PD089480.D	9.08	3.56
PSTDCCC050	PSTDCCC050	07/14/2025	16:58	PD089481.D	9.07	3.55
OU4-TS-29-070925	Q2555-01	07/14/2025	19:01	PD089485.D	9.08	3.55
OU4-TS-30-070925	Q2555-03	07/14/2025	19:14	PD089486.D	9.07	3.55
I.BLK	I.BLK	07/14/2025	19:55	PD089489.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/14/2025	20:09	PD089490.D	9.07	3.55
I.BLK	I.BLK	07/21/2025	12:08	PD089537.D	9.07	3.55
PEM	PEM	07/21/2025	12:22	PD089538.D	9.07	3.55
RESCHK	RESCHK	07/21/2025	12:35	PD089539.D	9.07	3.55
PSTDICC100	PSTDICC100	07/21/2025	12:49	PD089540.D	9.07	3.55
PSTDICC075	PSTDICC075	07/21/2025	13:03	PD089541.D	9.07	3.55
PSTDICC050	PSTDICC050	07/21/2025	13:16	PD089542.D	9.07	3.55
PSTDICC025	PSTDICC025	07/21/2025	13:30	PD089543.D	9.07	3.55
PSTDICC005	PSTDICC005	07/21/2025	13:44	PD089544.D	9.07	3.55
PCHLORICC500	PCHLORICC500	07/21/2025	14:25	PD089547.D	9.07	3.55
PTOXICC500	PTOXICC500	07/21/2025	15:32	PD089552.D	9.07	3.55
PEM	PEM	07/23/2025	12:49	PD089592.D	9.07	3.55
I.BLK	I.BLK	07/23/2025	16:00	PD089600.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/23/2025	16:13	PD089601.D	9.07	3.55
OU4-TS-29-070925RE	Q2555-01RE	07/23/2025	16:54	PD089604.D	9.07	3.55
OU4-TS-30-070925RE	Q2555-03RE	07/23/2025	17:08	PD089605.D	9.07	3.55
I.BLK	I.BLK	07/23/2025	18:16	PD089610.D	9.07	3.55

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Fax : 908 789 8922

Analytical Sequence

PSTDCCC050	PSTDCCC050	07/23/2025	18:29	PD089611.D	9.07	3.55

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2555

Project: Raymark Superfund Site **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
I.BLK	I.BLK	07/11/2025	10:06	PD089450.D	8.07	2.88
PEM	PEM	07/11/2025	10:20	PD089451.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/11/2025	11:25	PD089452.D	8.07	2.88
PB168810BL	PB168810BL	07/11/2025	13:01	PD089453.D	8.07	2.88
PB168810BS	PB168810BS	07/11/2025	13:15	PD089454.D	8.07	2.88
LP-7102025MS	Q2560-01MS	07/11/2025	13:56	PD089457.D	8.07	2.88
LP-7102025MSD	Q2560-01MSD	07/11/2025	14:09	PD089458.D	8.07	2.88
I.BLK	I.BLK	07/11/2025	15:04	PD089462.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/11/2025	15:17	PD089463.D	8.07	2.88
PEM	PEM	07/14/2025	10:57	PD089474.D	8.07	2.88
I.BLK	I.BLK	07/14/2025	16:44	PD089480.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/14/2025	16:58	PD089481.D	8.07	2.88
OU4-TS-29-070925	Q2555-01	07/14/2025	19:01	PD089485.D	8.07	2.88
OU4-TS-30-070925	Q2555-03	07/14/2025	19:14	PD089486.D	8.07	2.88
I.BLK	I.BLK	07/14/2025	19:55	PD089489.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/14/2025	20:09	PD089490.D	8.07	2.88
I.BLK	I.BLK	07/21/2025	12:08	PD089537.D	8.07	2.88
PEM	PEM	07/21/2025	12:22	PD089538.D	8.07	2.88
RESCHK	RESCHK	07/21/2025	12:35	PD089539.D	8.07	2.88
PSTDICC100	PSTDICC100	07/21/2025	12:49	PD089540.D	8.07	2.88
PSTDICC075	PSTDICC075	07/21/2025	13:03	PD089541.D	8.07	2.88
PSTDICC050	PSTDICC050	07/21/2025	13:16	PD089542.D	8.07	2.88
PSTDICC025	PSTDICC025	07/21/2025	13:30	PD089543.D	8.07	2.88
PSTDICC005	PSTDICC005	07/21/2025	13:44	PD089544.D	8.07	2.88
PCHLORICC500	PCHLORICC500	07/21/2025	14:25	PD089547.D	8.07	2.88
PTOXICC500	PTOXICC500	07/21/2025	15:32	PD089552.D	8.07	2.88
PEM	PEM	07/23/2025	12:49	PD089592.D	8.07	2.88
I.BLK	I.BLK	07/23/2025	16:00	PD089600.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/23/2025	16:13	PD089601.D	8.07	2.88
OU4-TS-29-070925RE	Q2555-01RE	07/23/2025	16:54	PD089604.D	8.07	2.88
OU4-TS-30-070925RE	Q2555-03RE	07/23/2025	17:08	PD089605.D	8.07	2.88
I.BLK	I.BLK	07/23/2025	18:16	PD089610.D	8.07	2.88

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Analytical Sequence

PSTDCCC050	PSTDCCC050	07/23/2025	18:29	PD089611.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

LP-7102025MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2560-01MS **Date(s) Analyzed:** 07/11/2025 07/11/2025

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	16.2	18.5
	2	6.08	6.03	6.13	19.5	
4,4'-DDD	1	6.70	6.65	6.75	17.9	18.3
	2	5.93	5.88	5.98	14.9	
4,4'-DDT	1	7.02	6.97	7.07	17.0	2.3
	2	6.18	6.13	6.23	17.4	
Endrin aldehyde	1	6.91	6.86	6.96	16.1	3.7
	2	6.26	6.21	6.31	16.7	
Endosulfan sulfate	1	7.15	7.10	7.20	15.6	6.2
	2	6.48	6.43	6.53	16.6	
Methoxychlor	1	7.49	7.44	7.54	16.8	6.8
	2	6.75	6.70	6.80	15.7	
Endrin ketone	1	7.63	7.58	7.68	15.6	2.6
	2	6.99	6.94	7.04	15.2	
alpha-BHC	1	4.00	3.95	4.05	16.4	5.9
	2	3.39	3.34	3.44	17.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.8	13
	2	3.73	3.68	3.78	16.5	
Heptachlor	1	4.93	4.88	4.98	17.4	1.7
	2	4.08	4.03	4.13	17.1	
Aldrin	1	5.27	5.22	5.32	18.4	5.6
	2	4.37	4.32	4.42	17.4	
beta-BHC	1	4.52	4.47	4.57	11.8	61.2
	2	4.02	3.97	4.07	22.2	
delta-BHC	1	4.76	4.71	4.81	17.5	0.6
	2	4.26	4.21	4.31	17.6	
Heptachlor epoxide	1	5.69	5.64	5.74	19.3	1.5
	2	4.87	4.82	4.92	19.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

LP-7102025MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2560-01MS **Date(s) Analyzed:** 07/11/2025 07/11/2025

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 I	1	6.07	6.02	6.12	17.8	11.3
	2	5.25	5.20	5.30	15.9	
gamma-Chlordane	1	5.95	5.90	6.00	20.4	1.5
	2	5.12	5.07	5.17	20.7	
alpha-Chlordane	1	6.03	5.98	6.08	24.1	0.8
	2	5.19	5.14	5.24	24.3	
4,4'-DDE	1	6.20	6.15	6.25	14.1	18.6
	2	5.37	5.32	5.42	17.0	
Dieldrin	1	6.35	6.30	6.40	17.1	4.6
	2	5.51	5.46	5.56	17.9	
Endrin	1	6.57	6.52	6.62	16.2	5.4
	2	5.79	5.74	5.84	17.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

LP-7102025MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2560-01MSD **Date(s) Analyzed:** 07/11/2025 07/11/2025

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	17.7	18.5
	2	5.93	5.88	5.98	14.7	
4,4'-DDT	1	7.02	6.97	7.07	17.1	1.7
	2	6.18	6.13	6.23	17.4	
alpha-BHC	1	4.00	3.95	4.05	16.5	5.3
	2	3.39	3.34	3.44	17.4	
Aldrin	1	5.27	5.22	5.32	18.3	4.5
	2	4.37	4.32	4.42	17.5	
beta-BHC	1	4.52	4.47	4.57	11.9	60.8
	2	4.02	3.97	4.07	22.3	
alpha-Chlordane	1	6.03	5.98	6.08	24.1	0.4
	2	5.19	5.14	5.24	24.2	
4,4'-DDE	1	6.20	6.15	6.25	14.1	18.6
	2	5.37	5.32	5.42	17.0	
Endosulfan II	1	6.79	6.74	6.84	15.9	18.8
	2	6.08	6.03	6.13	19.2	
Endrin aldehyde	1	6.91	6.86	6.96	16.1	9.5
	2	6.26	6.21	6.31	17.7	
Endosulfan sulfate	1	7.15	7.10	7.20	15.6	5
	2	6.48	6.43	6.53	16.4	
Methoxychlor	1	7.49	7.44	7.54	17.5	10.8
	2	6.75	6.70	6.80	15.7	
Endrin ketone	1	7.63	7.58	7.68	15.6	3.9
	2	6.99	6.94	7.04	15.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.0	18
	2	3.73	3.68	3.78	16.7	
Heptachlor	1	4.93	4.88	4.98	16.8	0
	2	4.08	4.03	4.13	16.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

LP-7102025MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2560-01MSD **Date(s) Analyzed:** 07/11/2025 07/11/2025

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
delta-BHC	1	4.76	4.71	4.81	17.4	0.6
	2	4.26	4.21	4.31	17.5	
Heptachlor epoxide	1	5.69	5.64	5.74	19.3	2.6
	2	4.87	4.82	4.92	19.8	
Endosulfan I	1	6.07	6.02	6.12	17.8	7
	2	5.25	5.20	5.30	16.6	
gamma-Chlordane	1	5.95	5.90	6.00	20.1	1
	2	5.12	5.07	5.17	20.3	
Dieldrin	1	6.35	6.30	6.40	17.1	4
	2	5.51	5.46	5.56	17.8	
Endrin	1	6.57	6.52	6.62	16.1	7.2
	2	5.79	5.74	5.84	17.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-29-070925

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2555-01 **Date(s) Analyzed:** 07/14/2025 07/14/2025

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'-DDT	1	7.02	6.97	7.07	0.19	104.5
	2	6.18	6.13	6.23	0.60	
4,4'-DDE	1	6.20	6.15	6.25	0.60	49.8
	2	5.37	5.32	5.42	1.00	
alpha-Chlordane	1	6.03	5.98	6.08	2.10	4.9
	2	5.19	5.14	5.24	2.00	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-29-070925RE

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2555-01RE **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.21	87.1
	2	6.18	6.13	6.23	0.53	
alpha-Chlordane	1	6.03	5.98	6.08	2.10	15.4
	2	5.19	5.14	5.24	1.80	
4,4'-DDE	1	6.19	6.14	6.24	0.60	3.7
	2	5.37	5.32	5.42	0.62	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-30-070925

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2555-03 **Date(s) Analyzed:** 07/14/2025 07/14/2025

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'-DDT	1	7.02	6.97	7.07	0.19	97.7
	2	6.18	6.13	6.23	0.56	
gamma-Chlordane	1	5.95	5.90	6.00	1.60	28.6
	2	5.12	5.07	5.17	1.20	
alpha-Chlordane	1	6.03	5.98	6.08	2.70	34.8
	2	5.19	5.14	5.24	1.90	
4,4'-DDE	1	6.19	6.14	6.24	0.57	29.7
	2	5.37	5.32	5.42	0.77	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-30-070925RE

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2555-03RE **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.23	79.3
	2	6.18	6.13	6.23	0.54	
gamma-Chlordane	1	5.94	5.89	5.99	1.60	28.6
	2	5.12	5.07	5.17	1.20	
alpha-Chlordane	1	6.03	5.98	6.08	2.60	16.7
	2	5.19	5.14	5.24	2.20	
4,4'-DDE	1	6.19	6.14	6.24	0.55	14.7
	2	5.37	5.32	5.42	0.63	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168810BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: PB168810BS **Date(s) Analyzed:** 07/11/2025 07/11/2025

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	6.71	6.66	6.76	16.5	6.5
	2	5.93	5.88	5.98	17.6	
4,4'-DDE	1	6.20	6.15	6.25	16.2	5.4
	2	5.37	5.32	5.42	17.1	
4,4'-DDT	1	7.02	6.97	7.07	14.4	7.4
	2	6.18	6.13	6.23	15.5	
alpha-BHC	1	4.00	3.95	4.05	16.0	7.2
	2	3.39	3.34	3.44	17.2	
Aldrin	1	5.27	5.22	5.32	16.2	6.6
	2	4.37	4.32	4.42	17.3	
alpha-Chlordane	1	6.03	5.98	6.08	16.1	6
	2	5.19	5.14	5.24	17.1	
Endosulfan II	1	6.79	6.74	6.84	16.0	5.5
	2	6.08	6.03	6.13	16.9	
Endosulfan sulfate	1	7.15	7.10	7.20	15.4	8.1
	2	6.48	6.43	6.53	16.7	
beta-BHC	1	4.52	4.47	4.57	15.5	8
	2	4.02	3.97	4.07	16.8	
delta-BHC	1	4.76	4.71	4.81	17.0	1.2
	2	4.26	4.21	4.31	17.2	
Endosulfan I	1	6.07	6.02	6.12	16.1	8.3
	2	5.24	5.19	5.29	17.5	
Dieldrin	1	6.35	6.30	6.40	16.2	5.4
	2	5.51	5.46	5.56	17.1	
Endrin aldehyde	1	6.91	6.86	6.96	15.7	6.2
	2	6.26	6.21	6.31	16.7	
Methoxychlor	1	7.49	7.44	7.54	13.2	7.3
	2	6.75	6.70	6.80	14.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168810BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: PB168810BS **Date(s) Analyzed:** 07/11/2025 07/11/2025

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	15.5	5.6
	2	6.99	6.94	7.04	16.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.0	7.2
	2	3.73	3.68	3.78	17.2	
Heptachlor	1	4.93	4.88	4.98	15.9	3.1
	2	4.08	4.03	4.13	16.4	
Heptachlor epoxide	1	5.69	5.64	5.74	15.9	7.3
	2	4.87	4.82	4.92	17.1	
gamma-Chlordane	1	5.95	5.90	6.00	16.1	6.6
	2	5.12	5.07	5.17	17.2	
Endrin	1	6.57	6.52	6.62	14.5	5.4
	2	5.79	5.74	5.84	15.3	

QC SAMPLE DATA

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

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168810BL	SDG No.:	Q2555
Lab Sample ID:	PB168810BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 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
PD089453.D	1	07/11/25 08:20	07/11/25 13:01	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00033	U	0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.00083	U	0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.00083	U	0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.00083	U	0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.00033	U	0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00033	U	0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.00083	U	0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.00083	U	0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.00033	U	0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.3		55 - 130		86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		42 - 129		95%	SPK: 20

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168810BL	SDG No.:	Q2555
Lab Sample ID:	PB168810BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 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
PD089453.D	1	07/11/25 08:20	07/11/25 13:01	PB168810

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\PD071125\
Data File : PD089453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:01
Operator : AR\AJ
Sample : PB168810BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168810BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.557	2.877	47158864	321.5E6	16.529	18.965m
28)	SA Decachlor...	9.082	8.072	66353362	341.4E6	16.894	17.269
	Target Compounds						

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

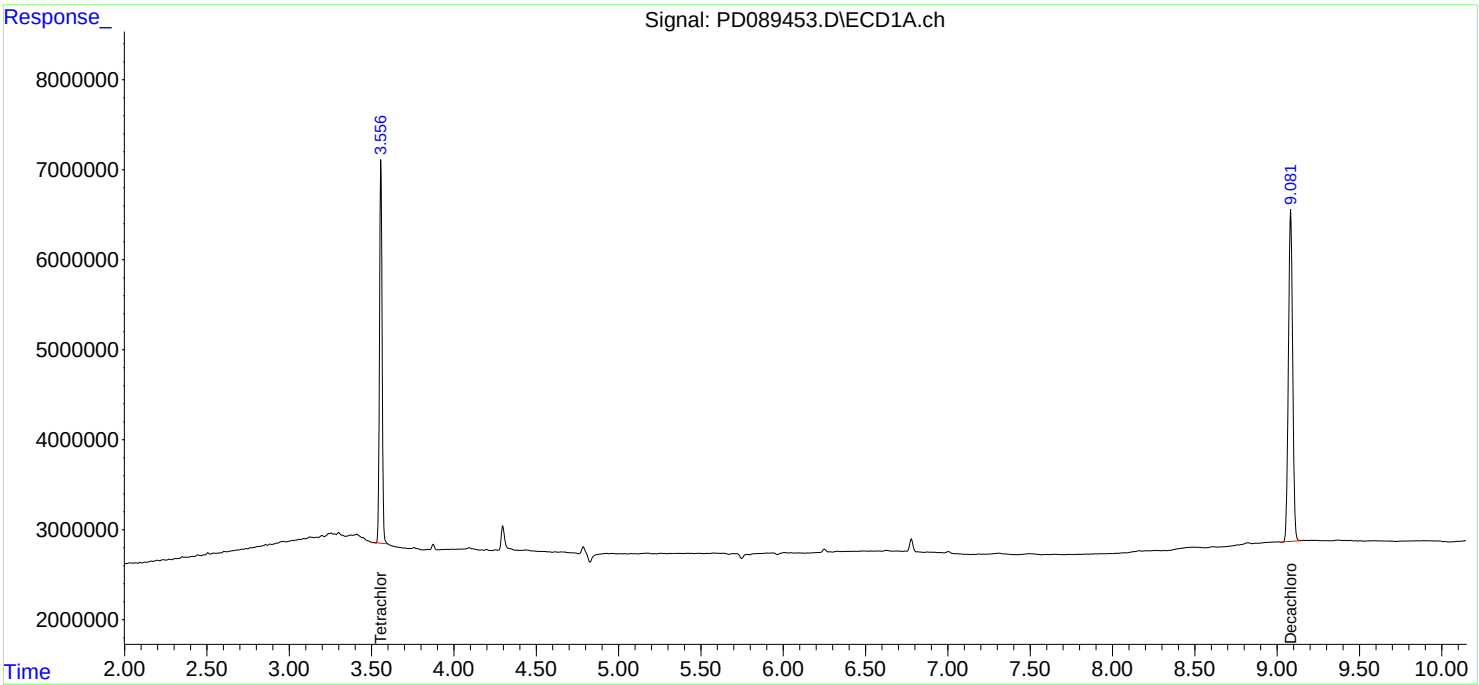
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:01
Operator : AR\AJ
Sample : PB168810BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

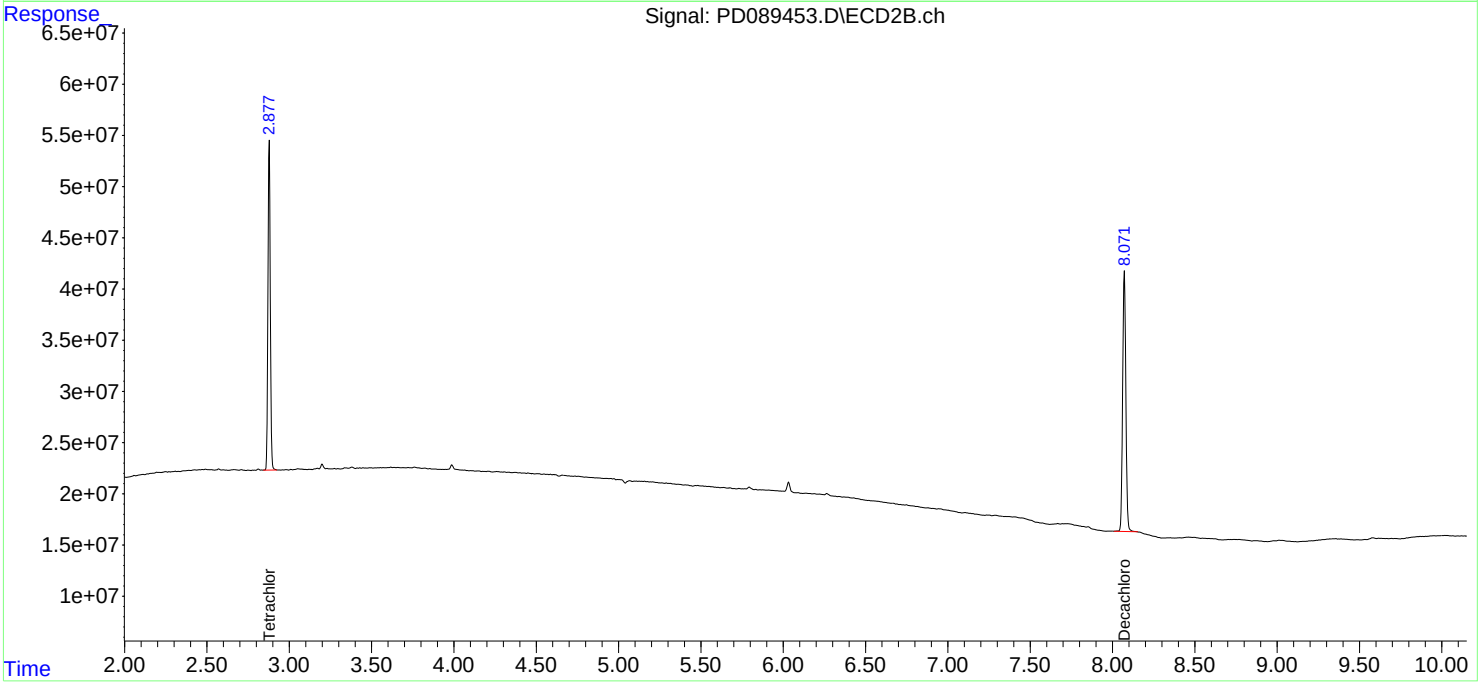
Instrument :
ECD_D
ClientSampleId :
PB168810BL

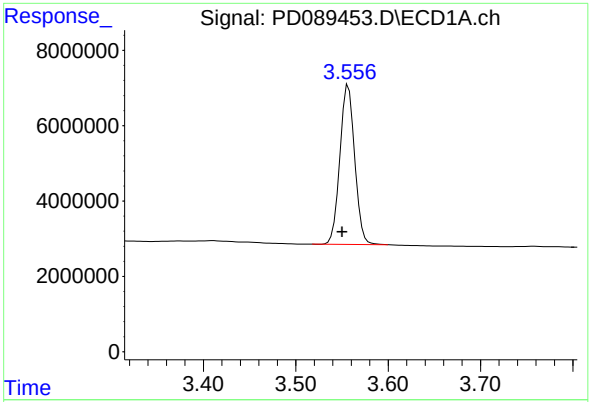
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







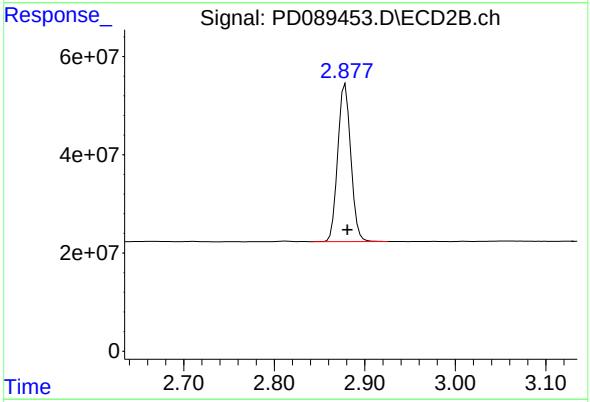
#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.007 min
Response: 47158864
Conc: 16.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BL

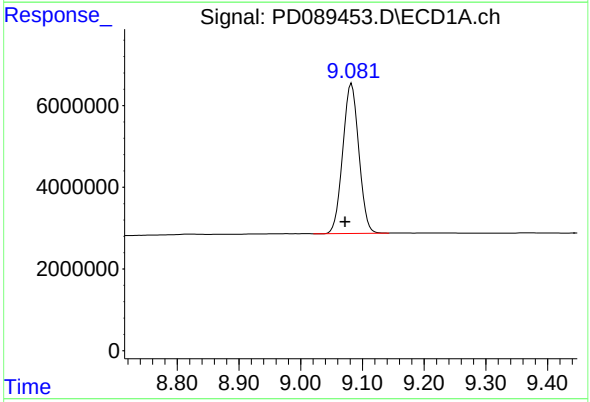
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



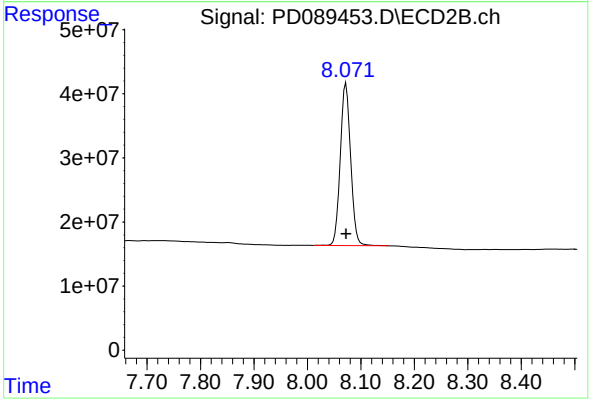
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.004 min
Response: 321514955
Conc: 18.96 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.082 min
Delta R.T.: 0.010 min
Response: 66353362
Conc: 16.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 341412130
Conc: 17.27 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/17/25
Project:	Raymark Superfund Site	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD088990.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
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.6		30 - 135		93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		44 - 124		88%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/17/25
Project:	Raymark Superfund Site	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD088990.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
PD088990.D	1		06/17/25	PD061825

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\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
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: Jun 18 05:45:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.881	45828945	299.5E6	16.063	17.668
28)	SA Decachlor...	9.072	8.072	71428242	368.1E6	18.186	18.617
	Target Compounds						

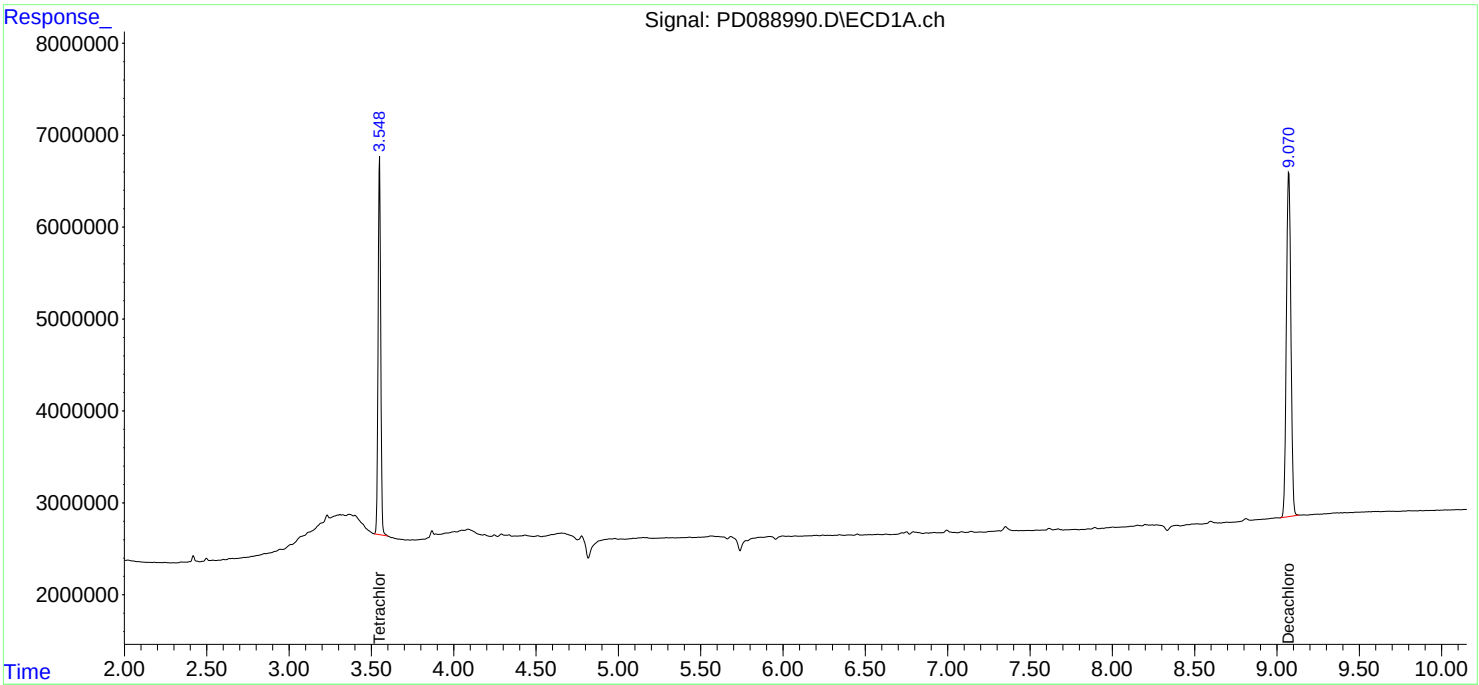
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

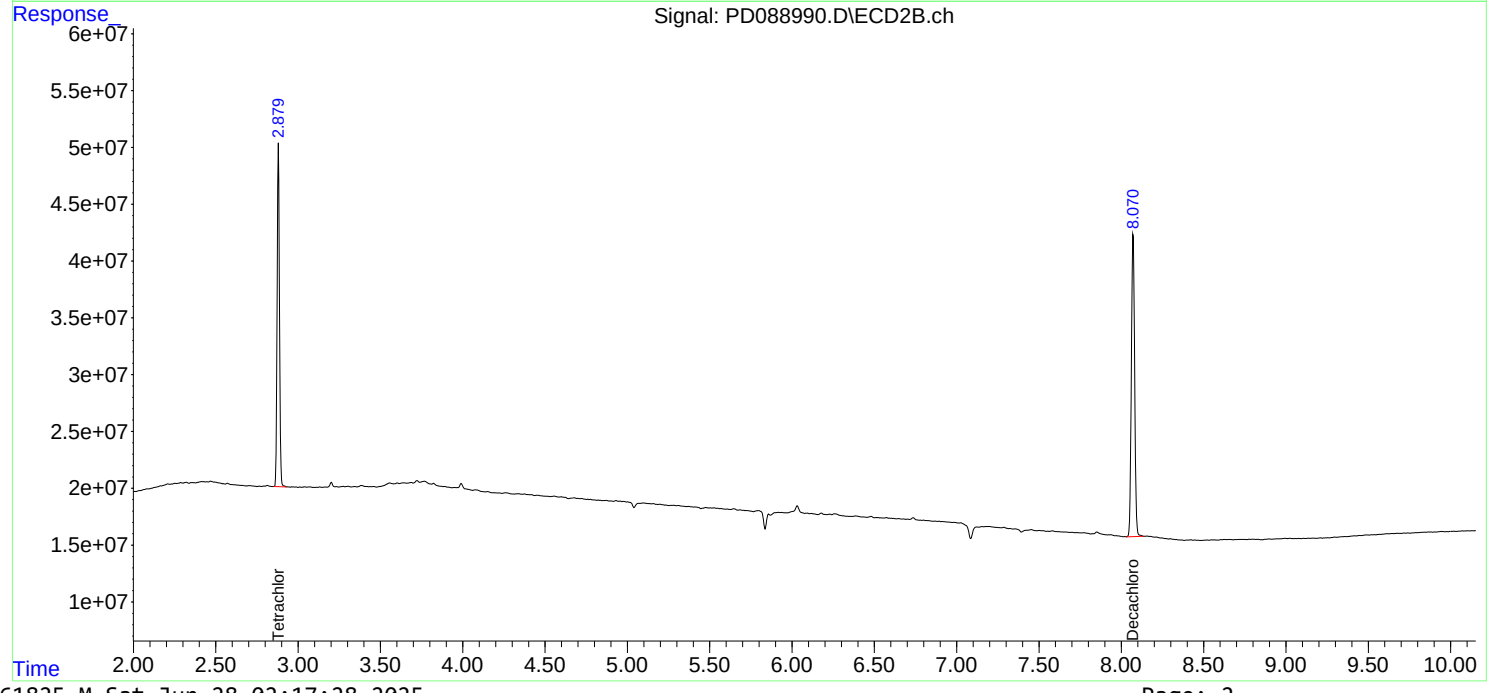
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

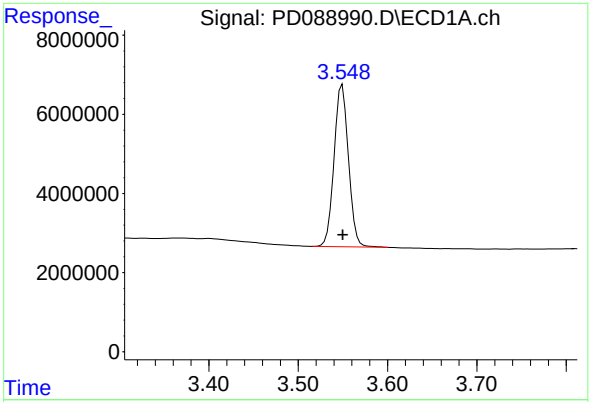
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



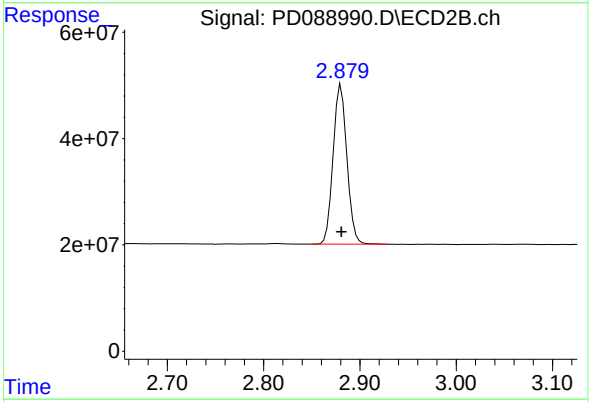




#1 Tetrachloro-m-xylene

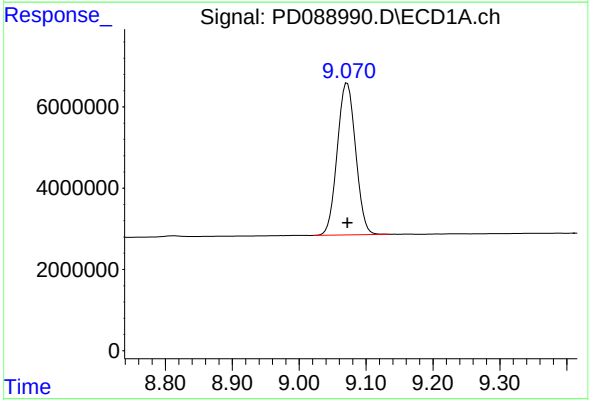
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45828945
Conc: 16.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



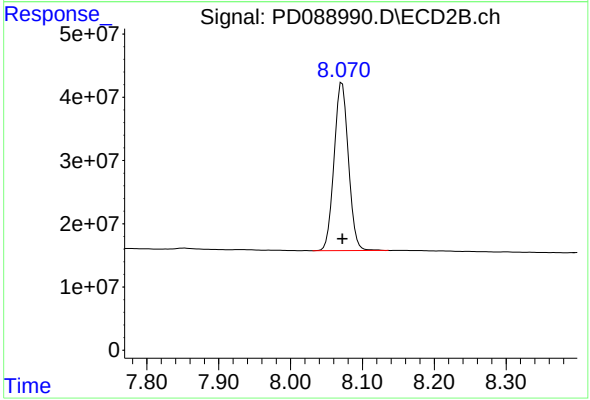
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 299529104
Conc: 17.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 71428242
Conc: 18.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 368061815
Conc: 18.62 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/11/25
Project:	Raymark Superfund Site	Date Received:	07/11/25
Client Sample ID:	PIBLK-PD089450.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089450.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
PD089450.D	1		07/11/25	pd071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.2		30 - 135		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		44 - 124		117%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/11/25
Project:	Raymark Superfund Site	Date Received:	07/11/25
Client Sample ID:	PIBLK-PD089450.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089450.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
PD089450.D	1		07/11/25	pd071125

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\PD071125\
Data File : PD089450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 10:06
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: Jul 11 22:48:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.879	55719393	395.4E6	19.529	23.320
28)	SA Decachlor...	9.072	8.070	79282461	397.7E6	20.186	20.119
	Target Compounds						

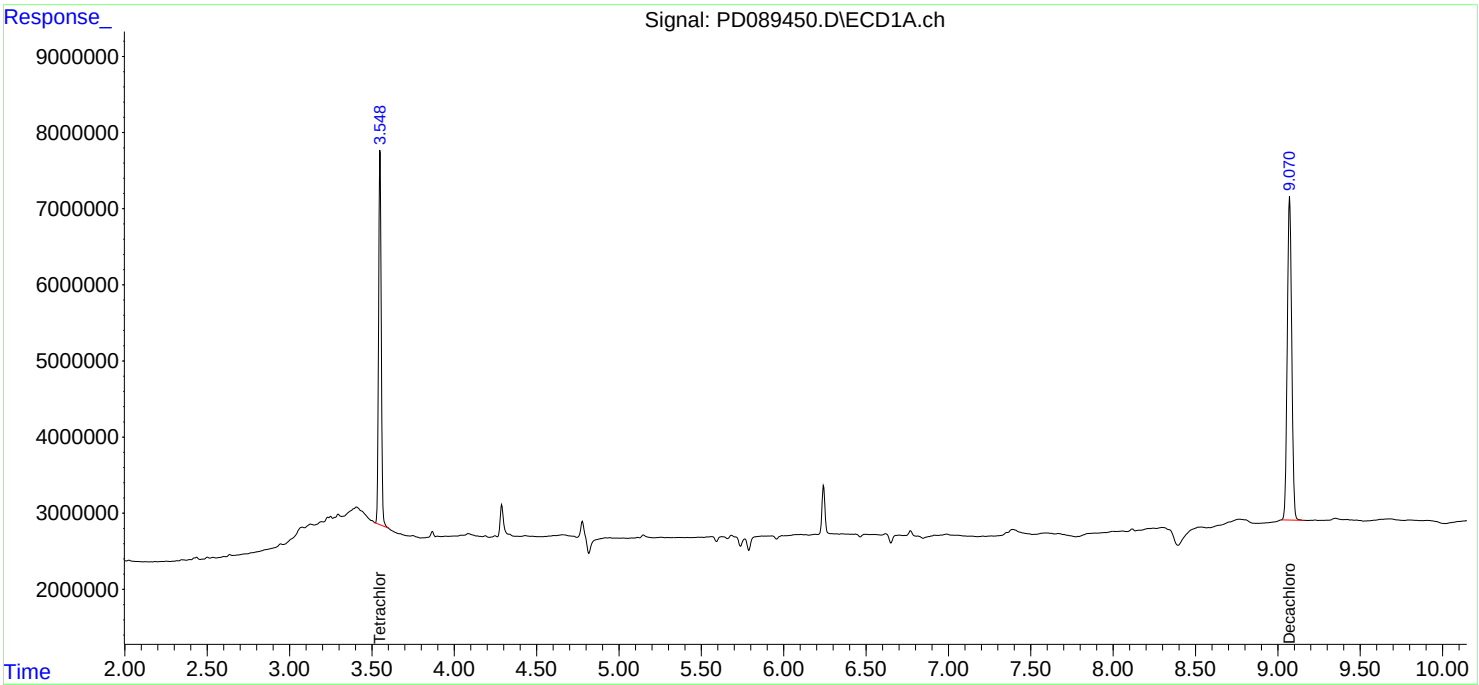
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

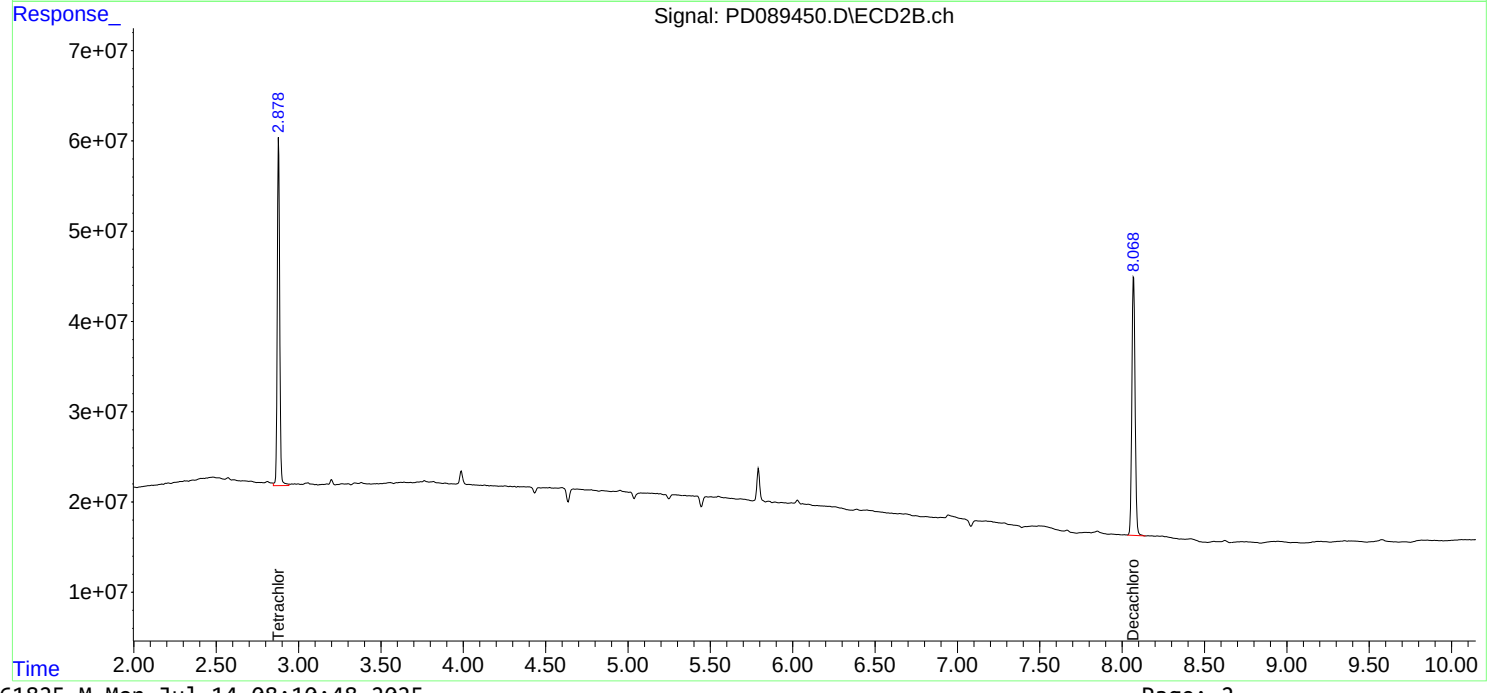
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 10:06
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

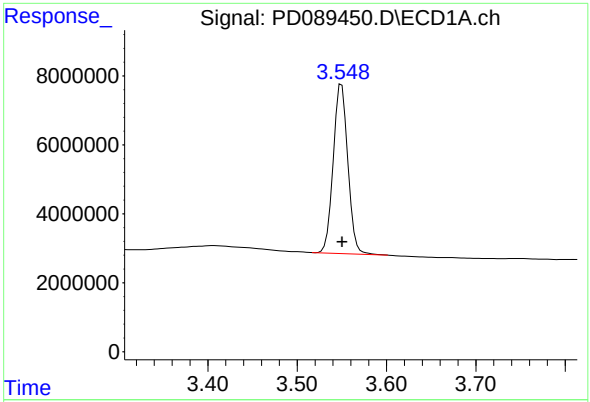
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:48:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



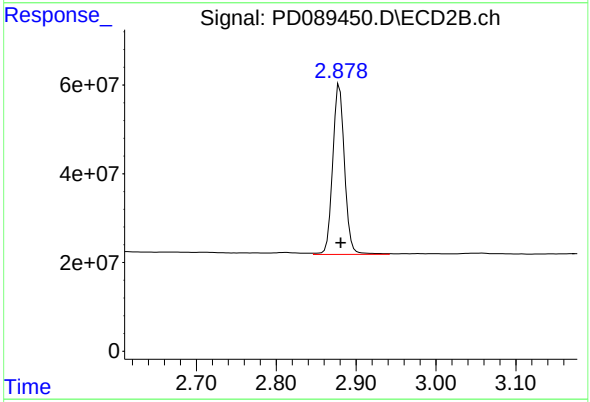




#1 Tetrachloro-m-xylene

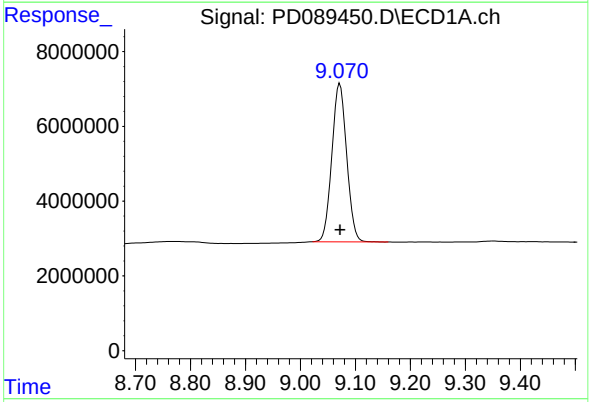
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 55719393
Conc: 19.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



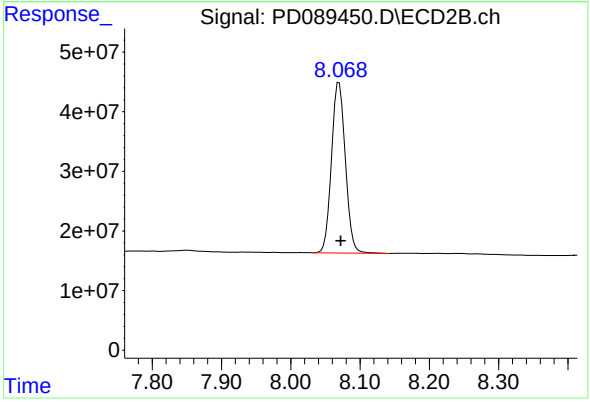
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 395352949
Conc: 23.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 79282461
Conc: 20.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 397745574
Conc: 20.12 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/11/25
Project:	Raymark Superfund Site	Date Received:	07/11/25
Client Sample ID:	PIBLK-PD089462.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089462.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
PD089462.D	1		07/11/25	pd071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.9		30 - 135		89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		44 - 124		113%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/11/25
Project:	Raymark Superfund Site	Date Received:	07/11/25
Client Sample ID:	PIBLK-PD089462.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089462.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
PD089462.D	1		07/11/25	pd071125

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\PD071125\
Data File : PD089462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:04
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 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:53:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	55320654	382.2E6	19.389	22.545
28)	SA Decachlor...	9.070	8.068	70177492	348.2E6	17.868	17.611m
	Target Compounds						

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

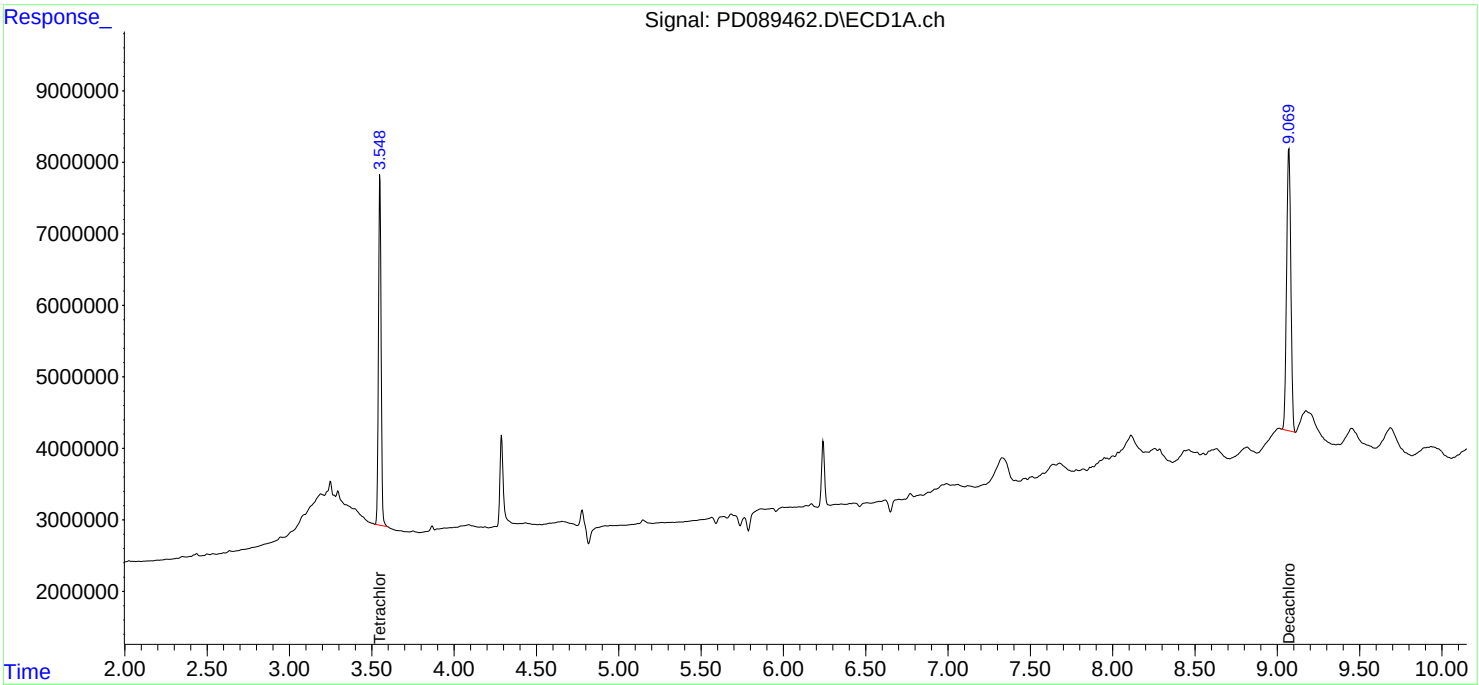
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

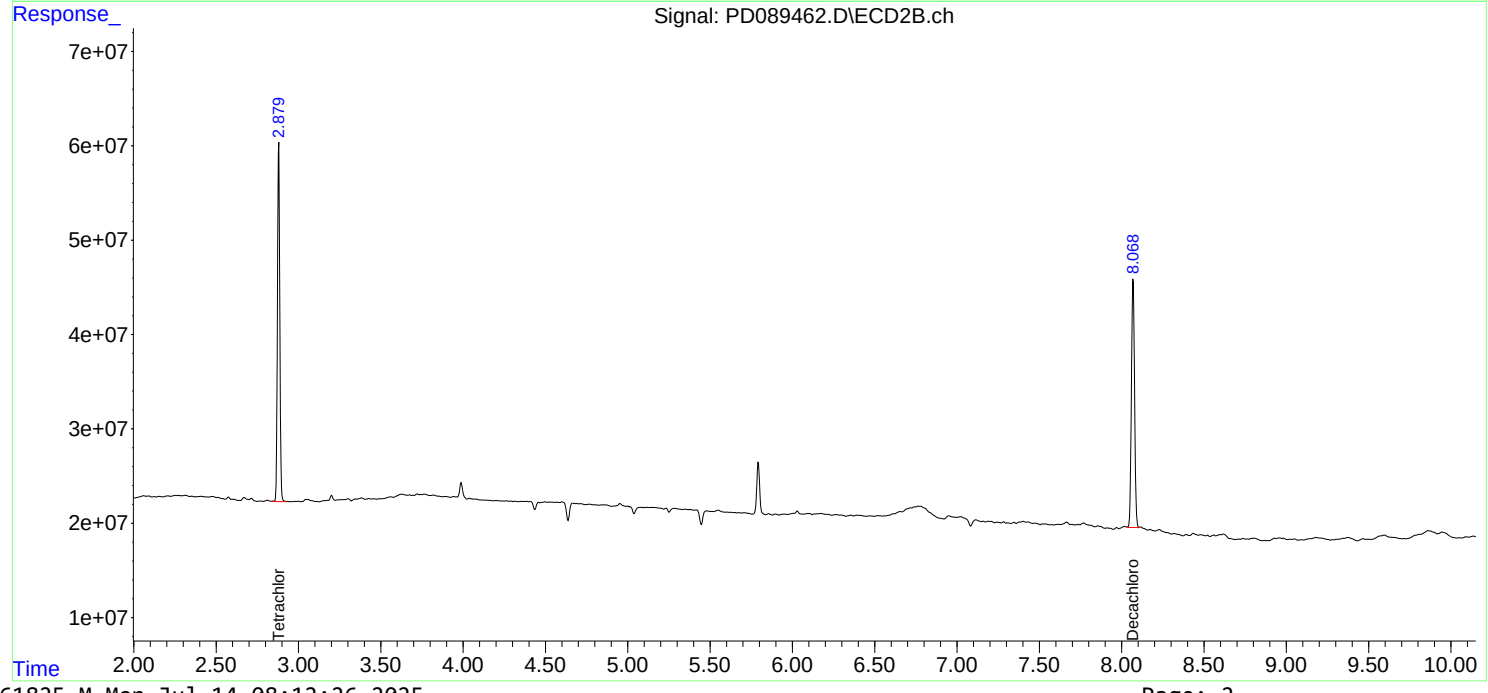
Instrument :
ECD_D
ClientSampleId :
I.BLK

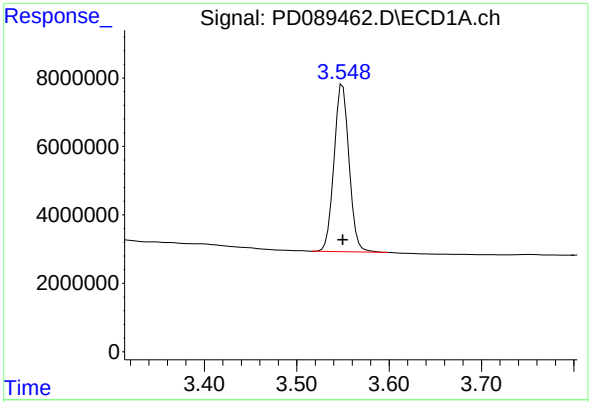
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:53:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







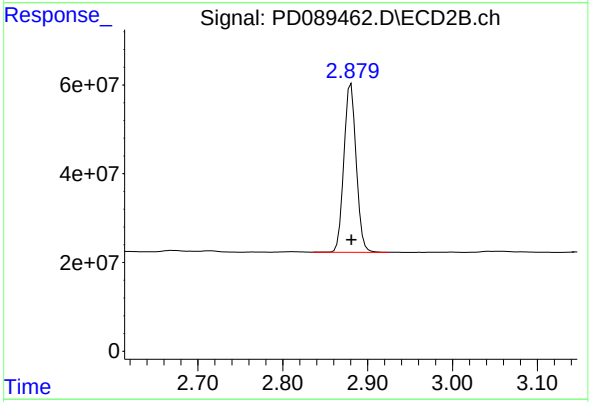
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 55320654
Conc: 19.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

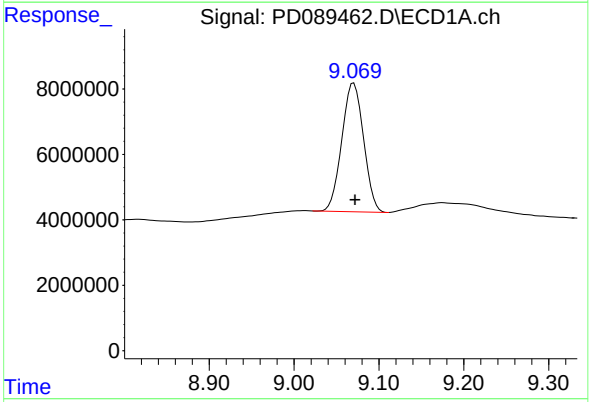
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



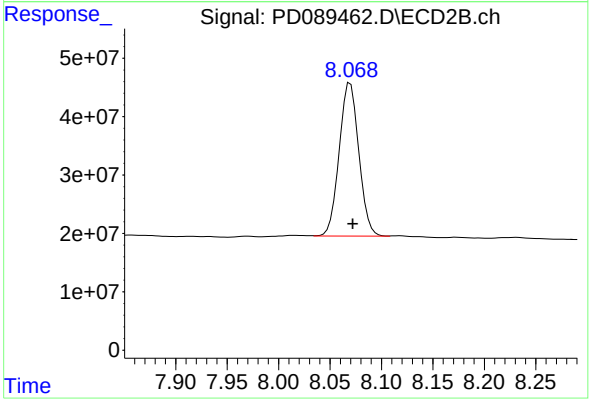
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 382211370
Conc: 22.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 70177492
Conc: 17.87 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.004 min
Response: 348166713
Conc: 17.61 ng/ml m

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/14/25
Project:	Raymark Superfund Site	Date Received:	07/14/25
Client Sample ID:	PIBLK-PD089480.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089480.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
PD089480.D	1		07/14/25	pd071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.3		30 - 135		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		44 - 124		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:	Nobis Group	Date Collected:	07/14/25
Project:	Raymark Superfund Site	Date Received:	07/14/25
Client Sample ID:	PIBLK-PD089480.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089480.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
PD089480.D	1		07/14/25	pd071425

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\PD071425\
Data File : PD089480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:16:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.879	58633081	400.3E6	20.550	23.614
28)	SA Decachlor...	9.078	8.071	83230161	460.6E6	21.191	23.295
	Target Compounds						

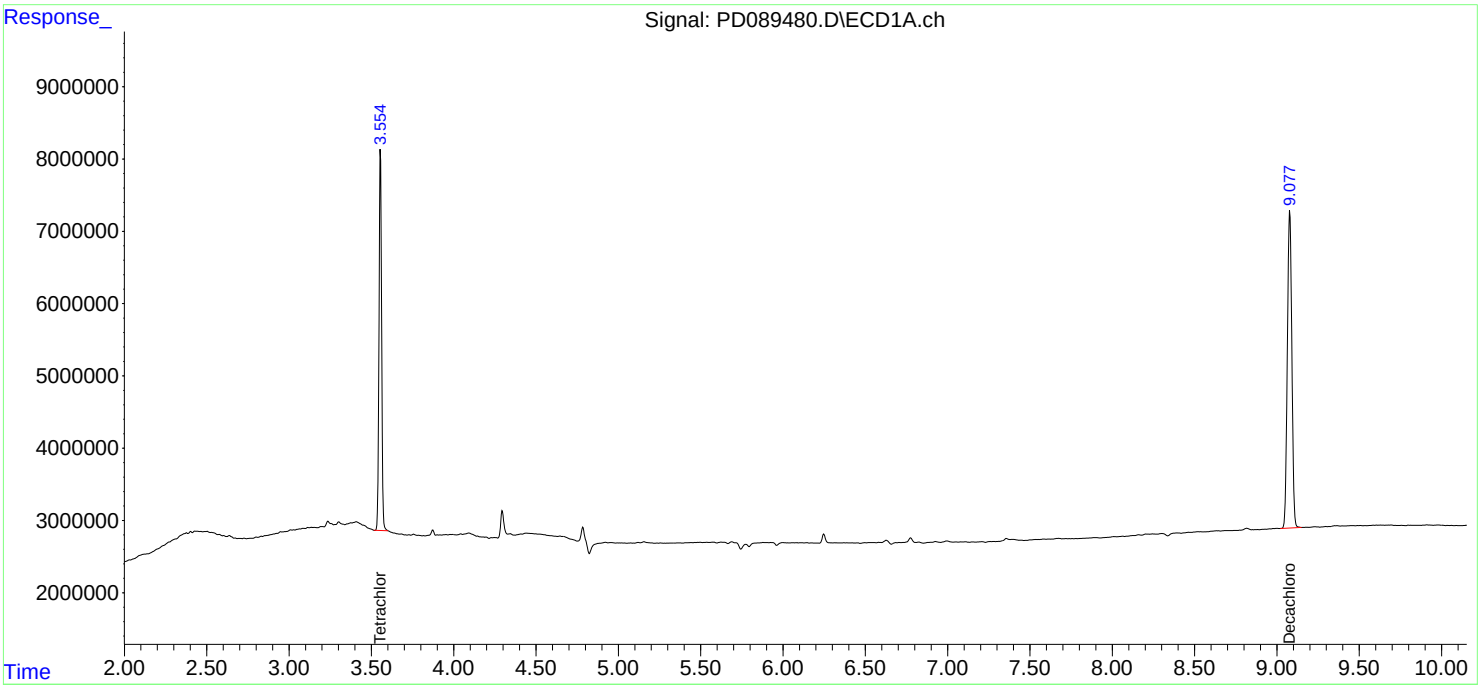
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

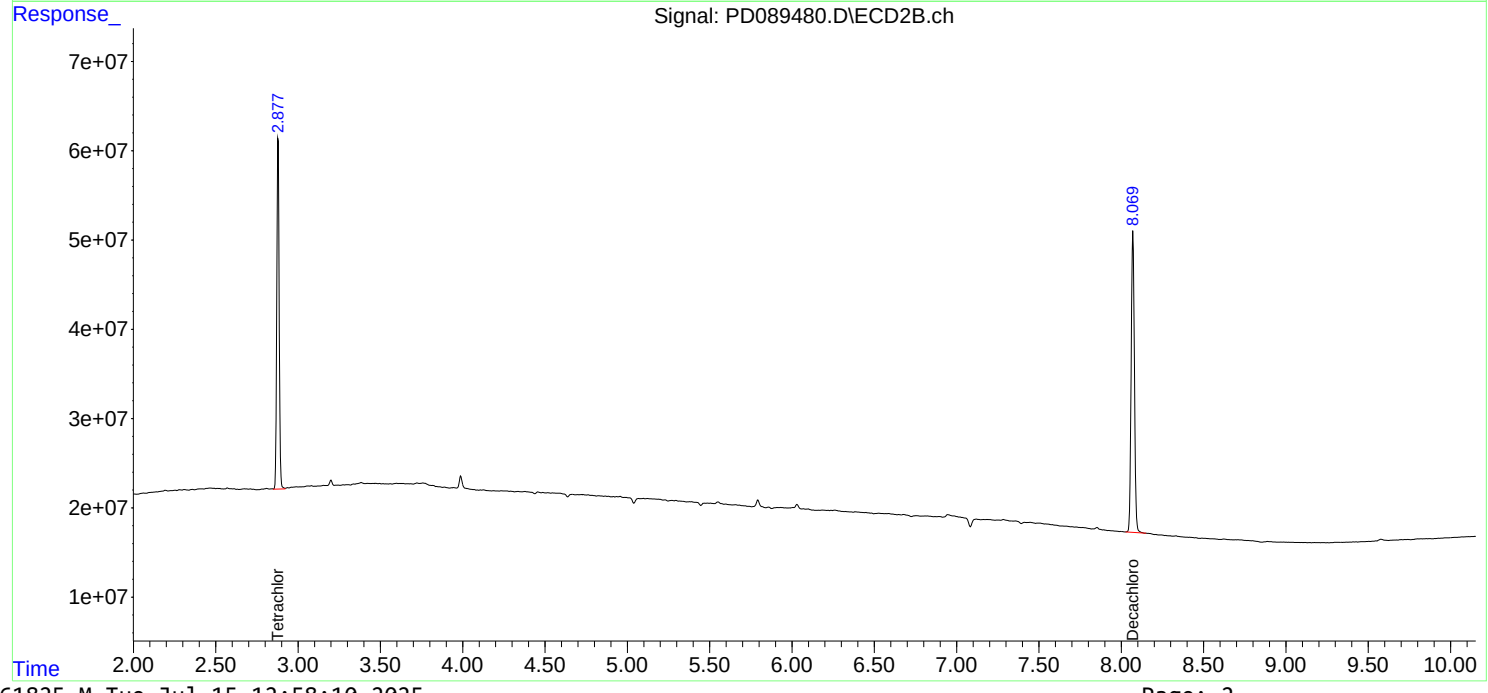
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

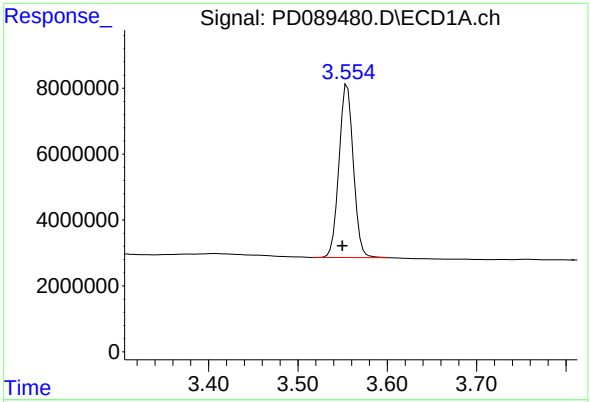
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:16:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



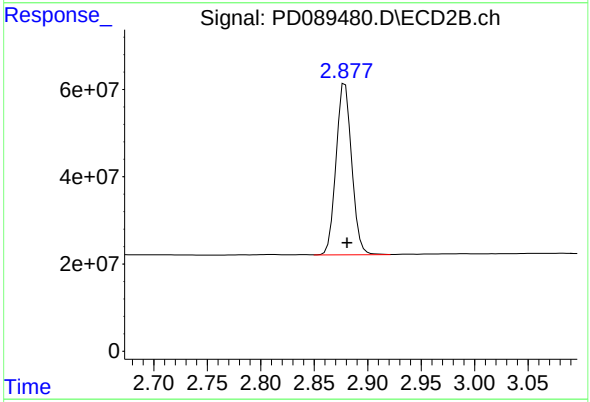




#1 Tetrachloro-m-xylene

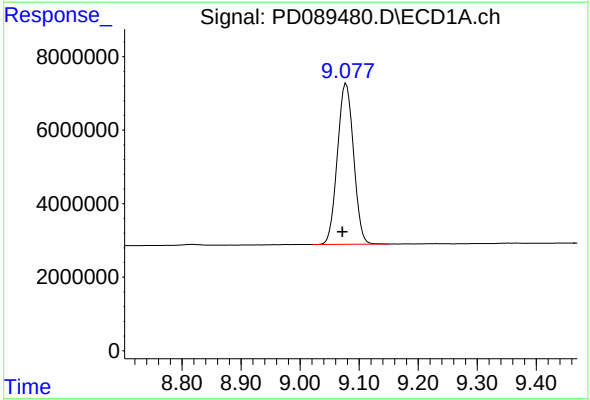
R.T.: 3.555 min
Delta R.T.: 0.005 min
Response: 58633081
Conc: 20.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



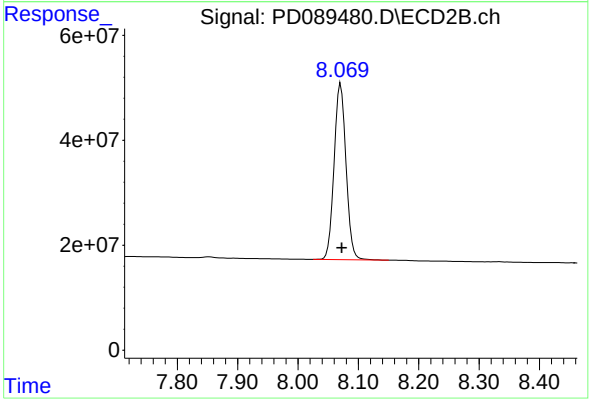
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 400337685
Conc: 23.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.006 min
Response: 83230161
Conc: 21.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 460550828
Conc: 23.30 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/14/25
Project:	Raymark Superfund Site	Date Received:	07/14/25
Client Sample ID:	PIBLK-PD089489.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089489.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
PD089489.D	1		07/14/25	pd071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.6		30 - 135		103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		44 - 124		117%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/14/25
Project:	Raymark Superfund Site	Date Received:	07/14/25
Client Sample ID:	PIBLK-PD089489.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089489.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
PD089489.D	1		07/14/25	pd071425

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\PD071425\
Data File : PD089489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:55
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: Jul 15 08:18:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	57227670	397.3E6	20.058	23.436
28)	SA Decachlor...	9.070	8.069	72830370	407.2E6	18.543	20.598
	Target Compounds						

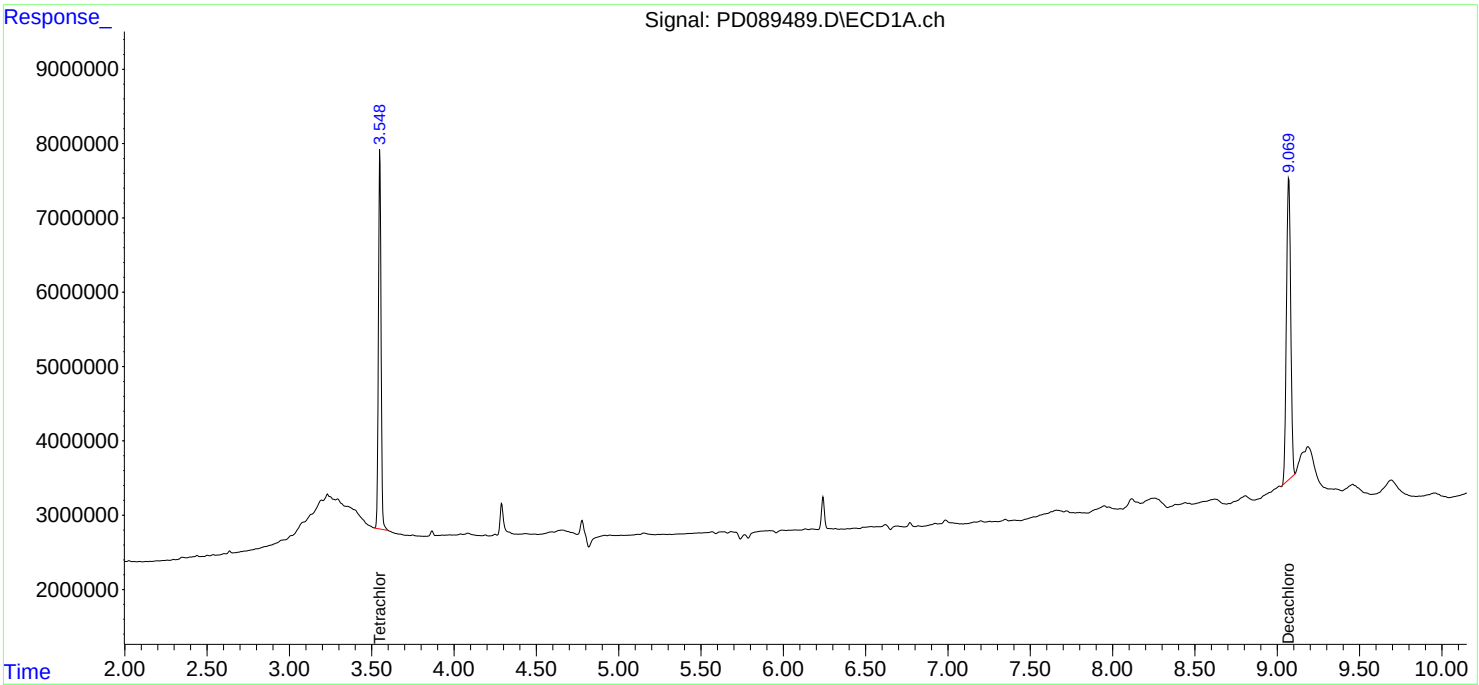
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

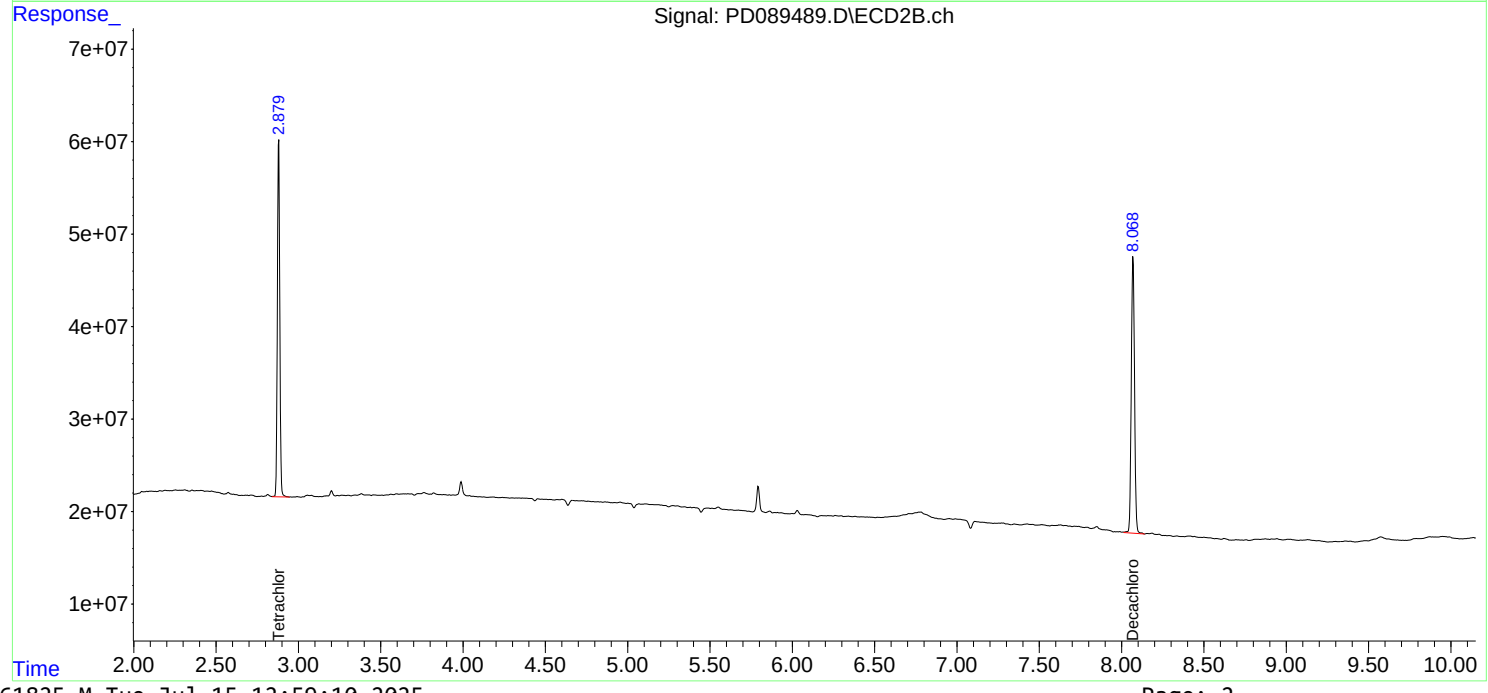
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

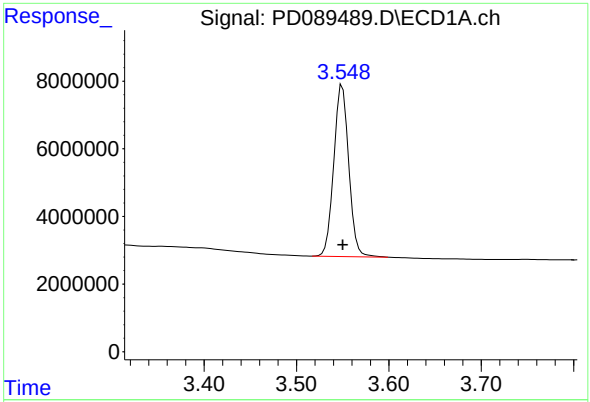
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:18:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



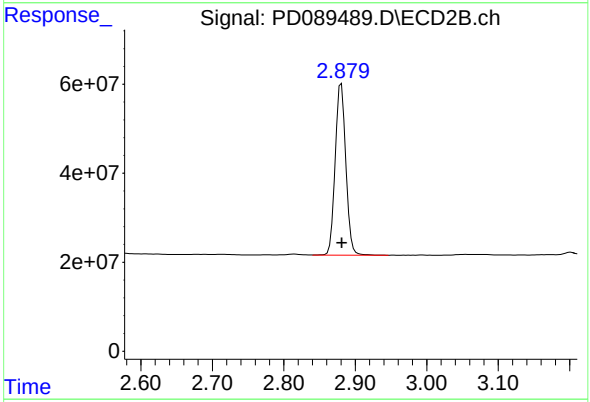




#1 Tetrachloro-m-xylene

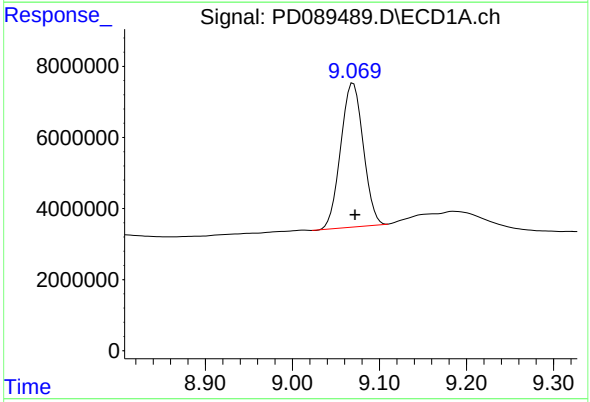
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 57227670
Conc: 20.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



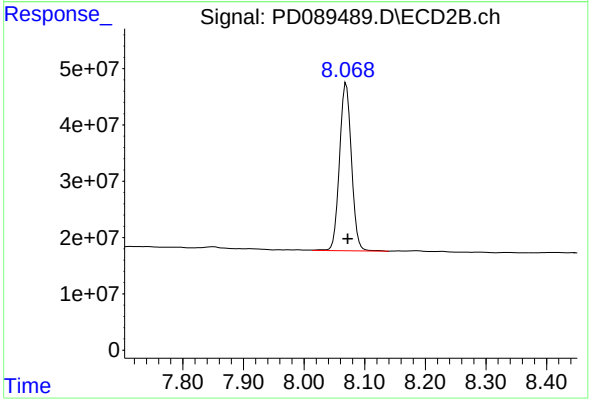
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 397318992
Conc: 23.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 72830370
Conc: 18.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 407228527
Conc: 20.60 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PD089537.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089537.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
PD089537.D	1		07/21/25	PD072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.2		30 - 135		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		44 - 124		100%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PD089537.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089537.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
PD089537.D	1		07/21/25	PD072125

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\PD072125\
Data File : PD089537.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:08
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: Jul 22 04:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	53204812	390.1E6	18.465	19.936
28)	SA Decachlor...	9.070	8.070	86998119	504.4E6	21.183	20.530
	Target Compounds						

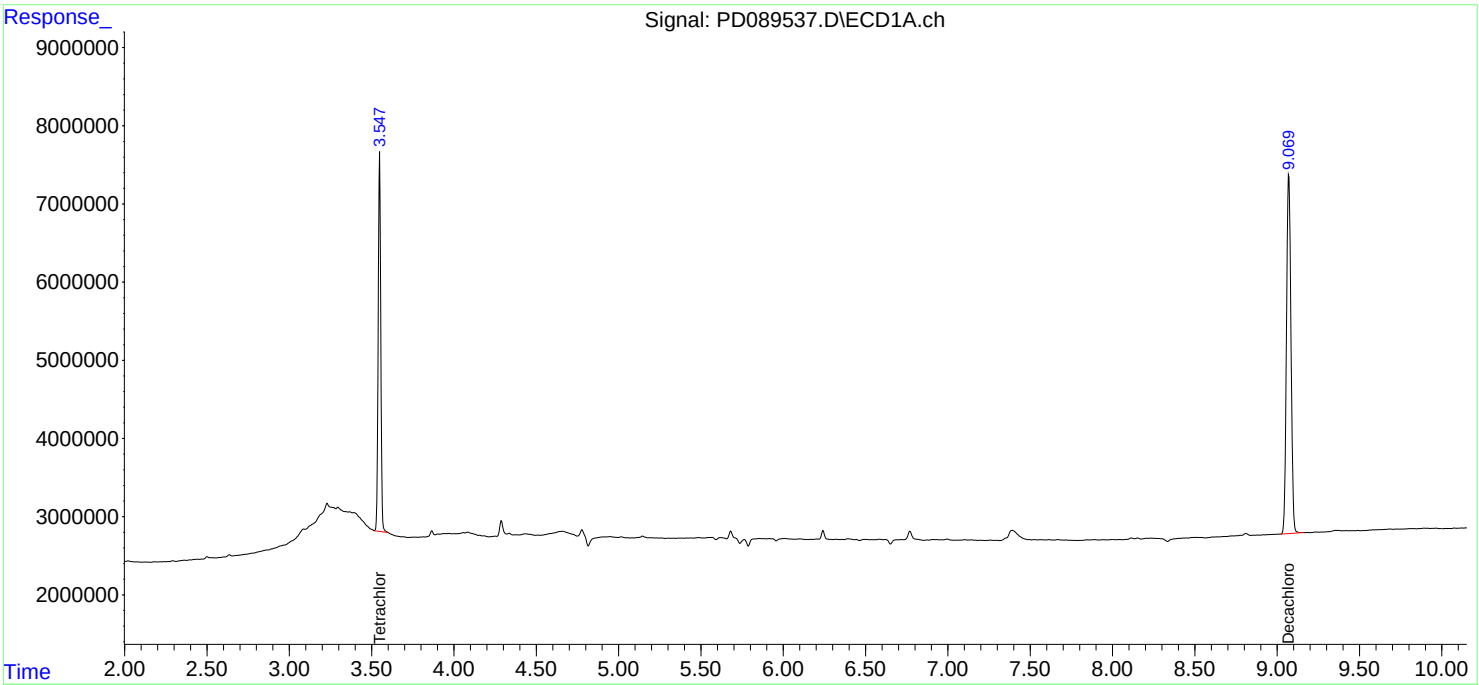
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

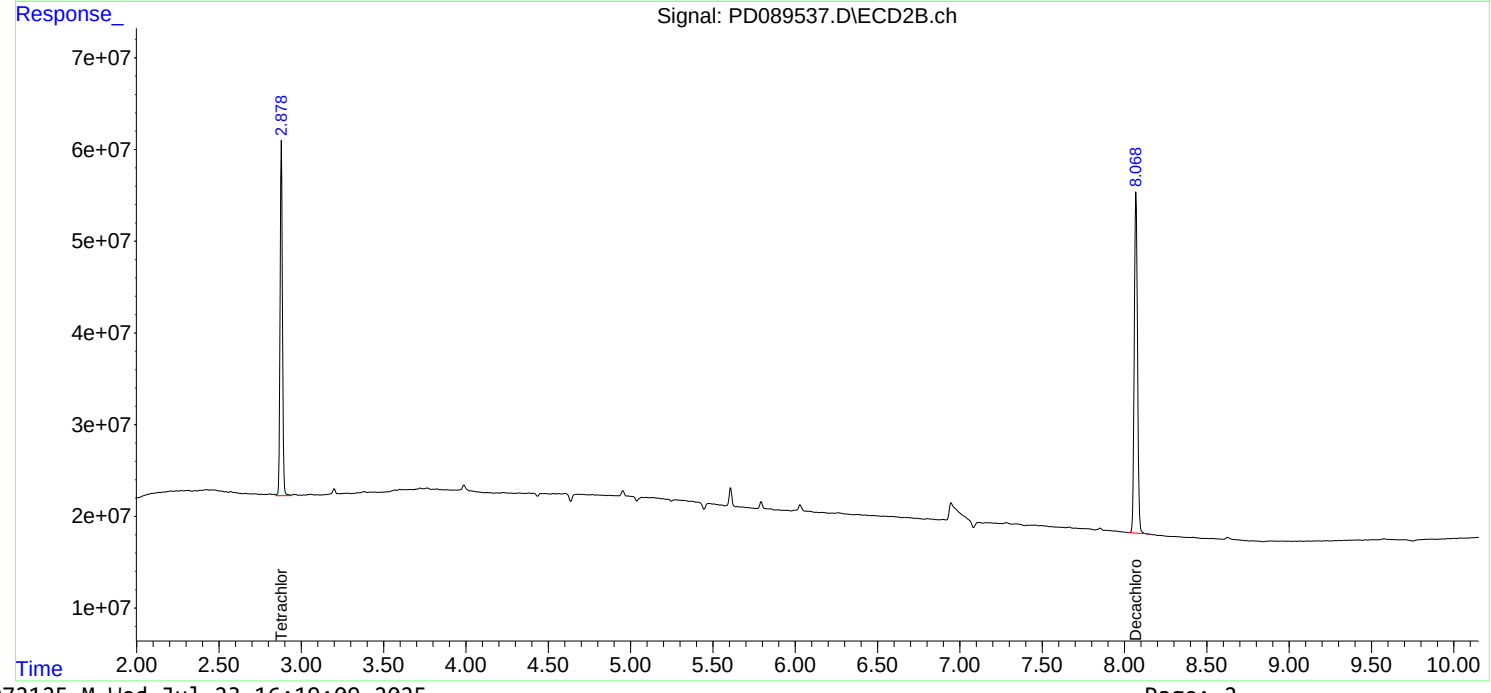
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089537.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

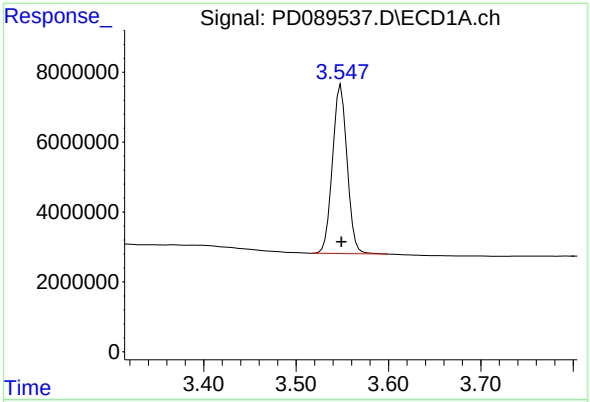
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



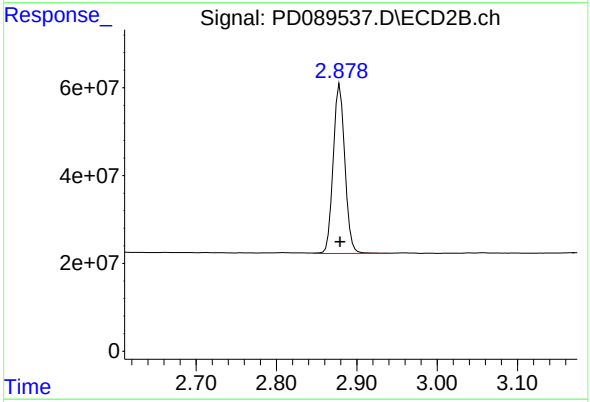




#1 Tetrachloro-m-xylene

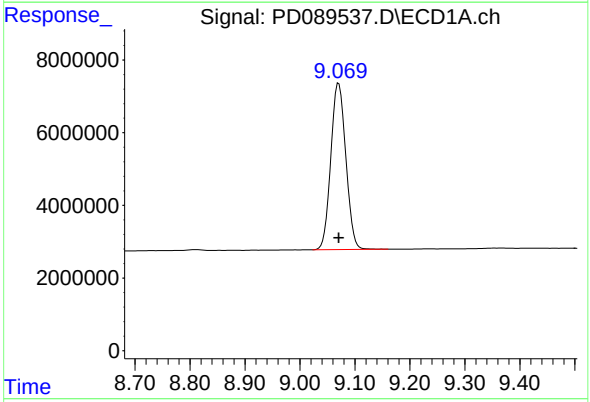
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 53204812
Conc: 18.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



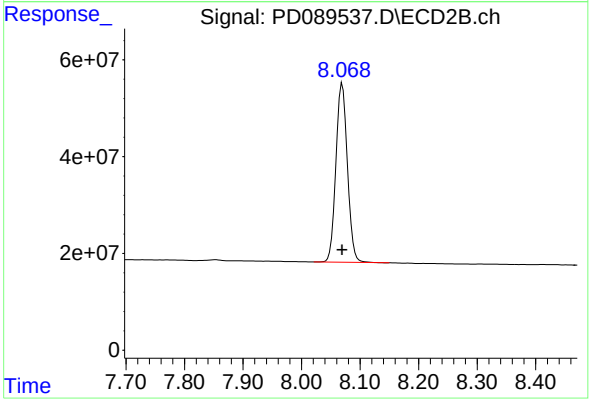
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 390076196
Conc: 19.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 86998119
Conc: 21.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 504391011
Conc: 20.53 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PD089600.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089600.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
PD089600.D	1		07/23/25	pd072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.1		30 - 135		115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		44 - 124		109%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PD089600.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089600.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
PD089600.D	1		07/23/25	pd072425

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\PD072425\
Data File : PD089600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:00
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: Jul 24 02:11:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	58092948	425.2E6	20.162	21.733
28)	SA Decachlor...	9.068	8.067	94803756	550.5E6	23.083	22.408
	Target Compounds						

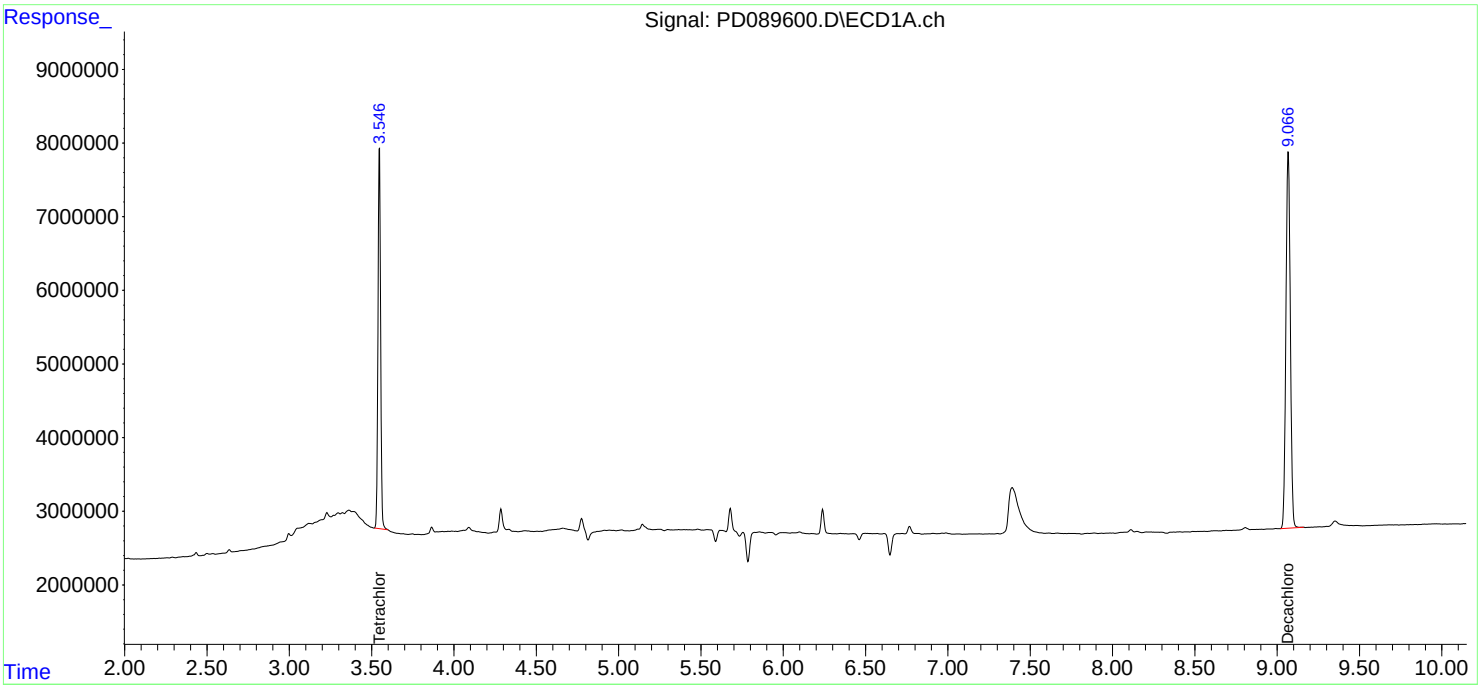
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

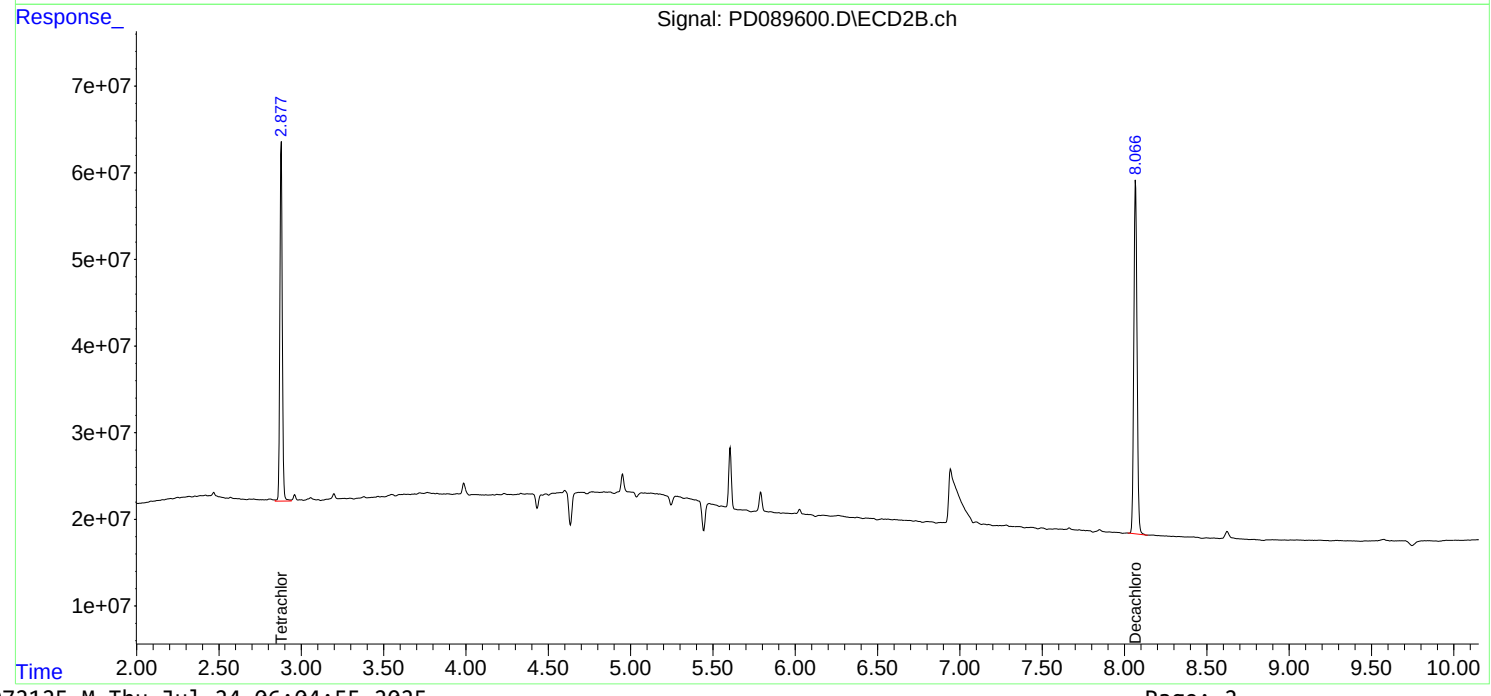
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:00
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

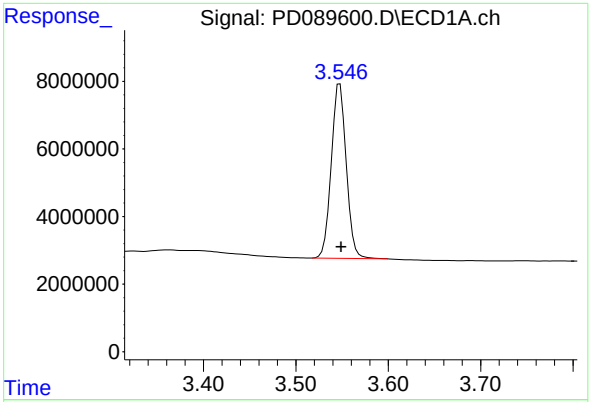
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



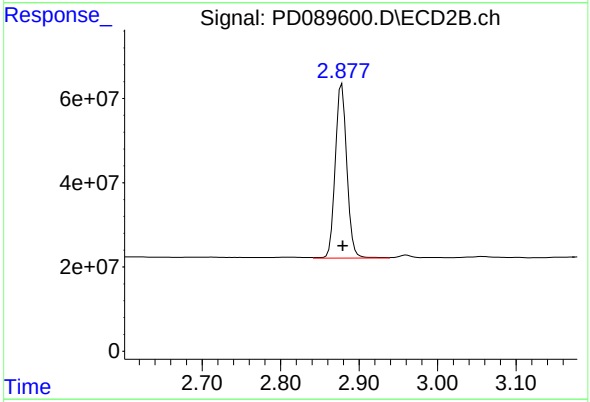




#1 Tetrachloro-m-xylene

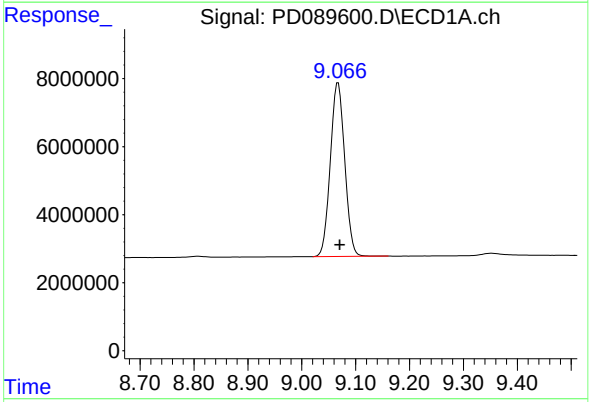
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 58092948
Conc: 20.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



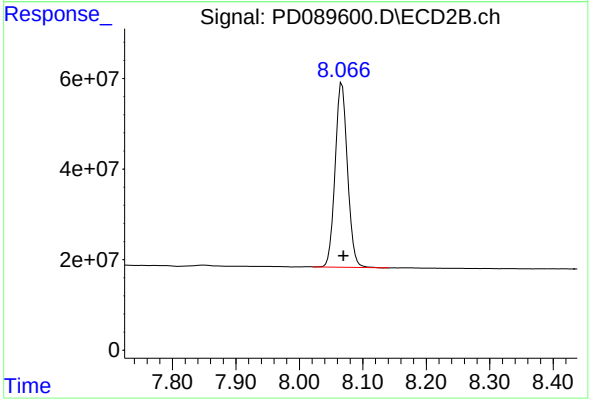
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.001 min
Response: 425225322
Conc: 21.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 94803756
Conc: 23.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 550539265
Conc: 22.41 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PD089610.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089610.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
PD089610.D	1		07/23/25	pd072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.1		30 - 135		116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		44 - 124		110%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PD089610.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PD089610.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
PD089610.D	1		07/23/25	pd072425

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\PD072425\
Data File : PD089610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:16
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: Jul 24 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	58272074	428.9E6	20.224	21.920
28)	SA Decachlor...	9.068	8.067	94993189	552.3E6	23.129	22.480
	Target Compounds						

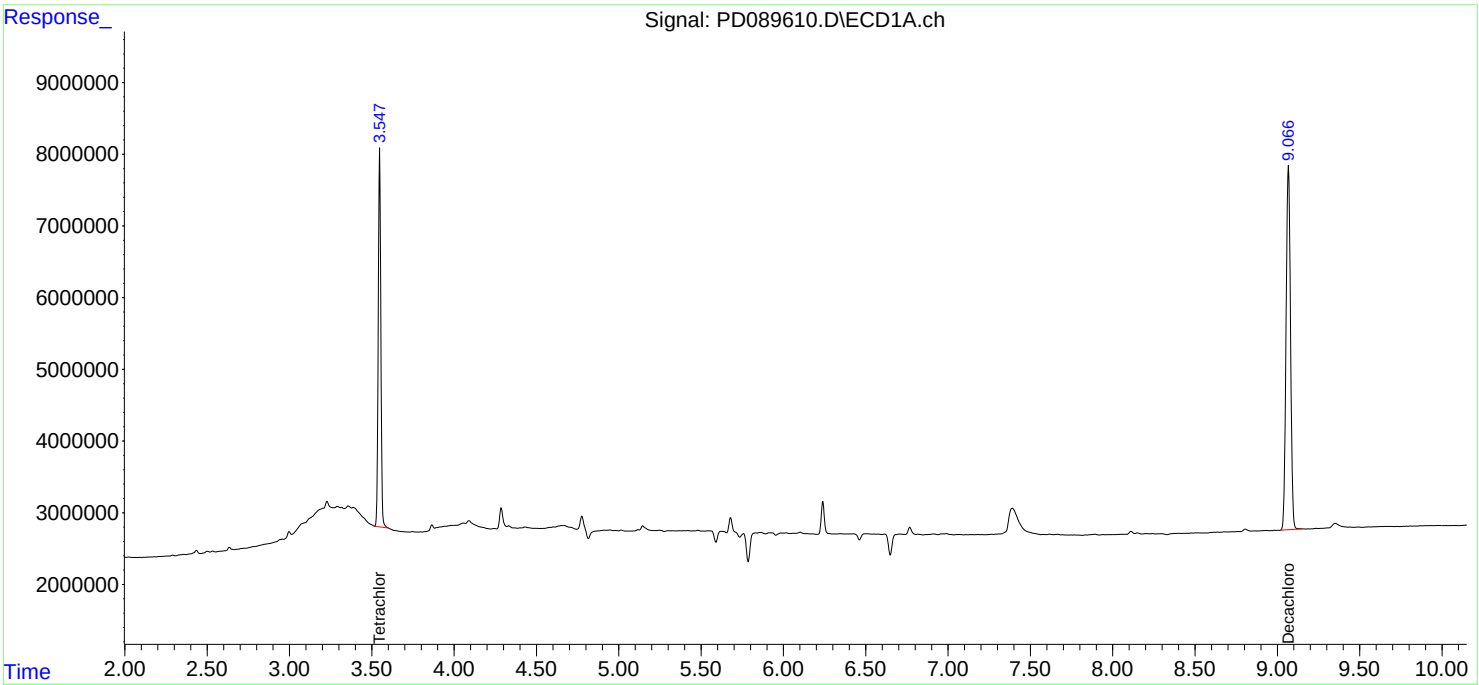
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

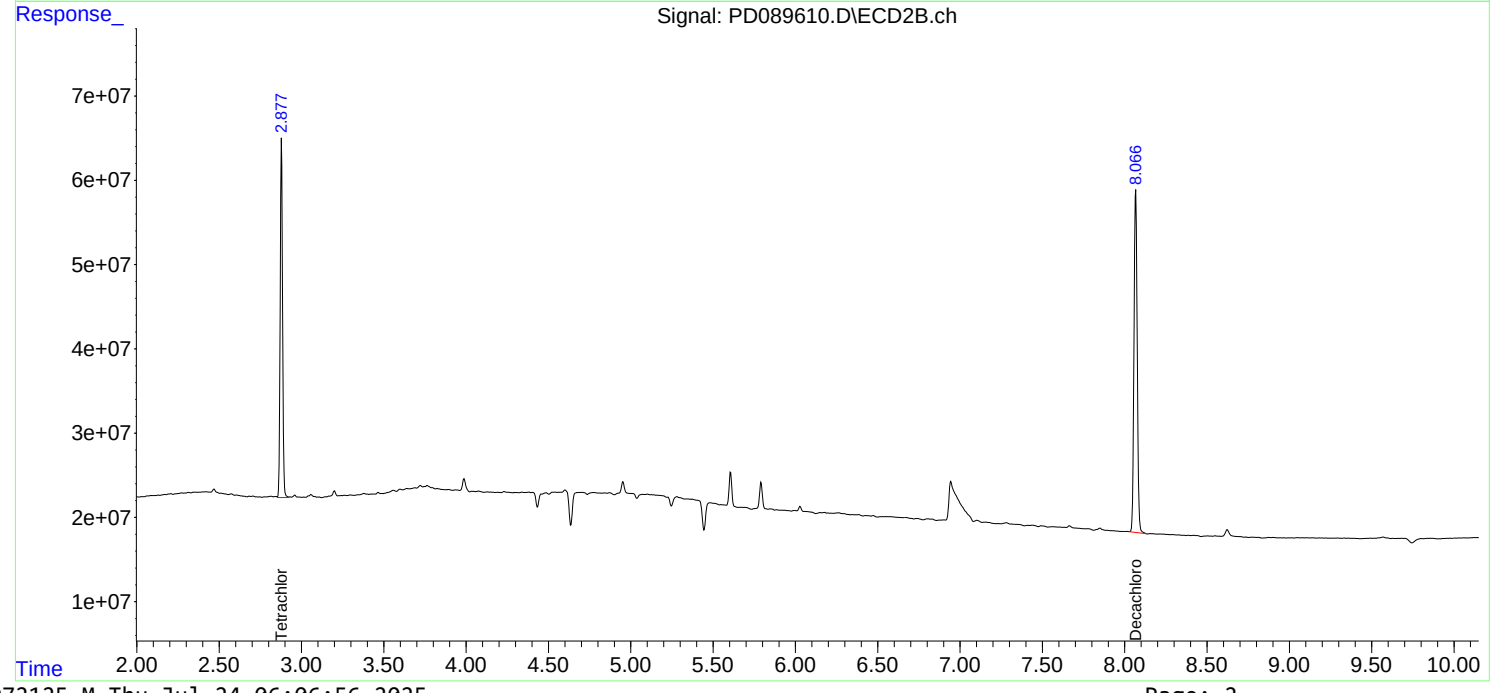
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

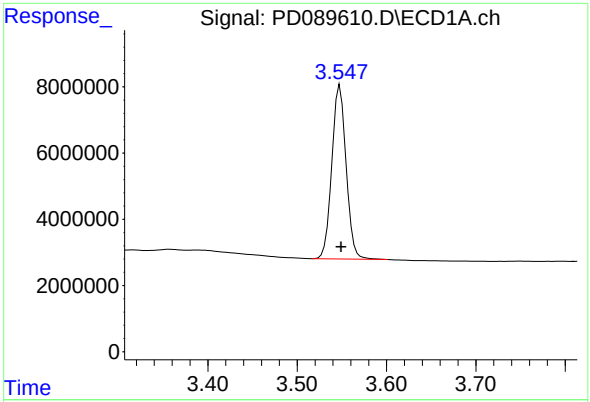
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



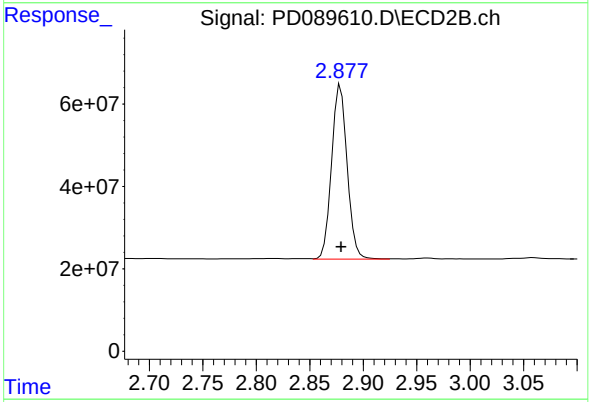




#1 Tetrachloro-m-xylene

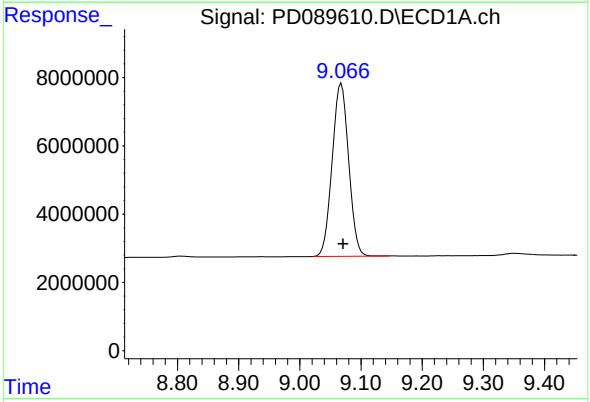
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 58272074
Conc: 20.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



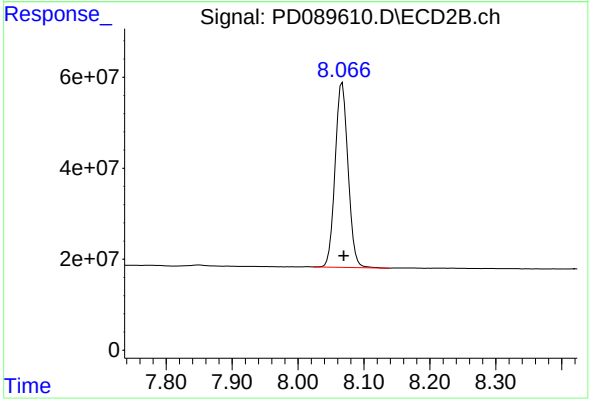
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 428889506
Conc: 21.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 94993189
Conc: 23.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 552284983
Conc: 22.48 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168810BS	SDG No.:	Q2555
Lab Sample ID:	PB168810BS	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
PD089454.D	1	07/11/25 08:20	07/11/25 13:15	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.017		0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.017		0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.017		0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.016		0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.017		0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.017		0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.018		0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.017		0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.017		0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.015		0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.017		0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.018		0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.016		0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.014		0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.016		0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.017		0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.017		0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.017		0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.9		55 - 130		84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		42 - 129		98%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168810BS	SDG No.:	Q2555
Lab Sample ID:	PB168810BS	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
PD089454.D	1	07/11/25 08:20	07/11/25 13:15	PB168810

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\PD071125\
Data File : PD089454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:15
Operator : AR\AJ
Sample : PB168810BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168810BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.879	44833691	333.1E6	15.714	19.648 #
28)	SA Decachlor...	9.072	8.070	64927993	333.2E6	16.531	16.853
	Target Compounds						
2)	A alpha-BHC	3.999	3.391	280.4E6	1381.9E6	48.109	51.568
3)	MA gamma-BHC...	4.330	3.726	268.1E6	1274.4E6	48.033	51.477m
4)	MA Heptachlor	4.929	4.080	259.9E6	1233.3E6	47.672	49.256
5)	MB Aldrin	5.270	4.366	258.5E6	1254.6E6	48.648	51.808
6)	B beta-BHC	4.516	4.023	102.6E6	542.8E6	46.470	50.515
7)	B delta-BHC	4.764	4.260	262.5E6	1283.5E6	51.135	51.600
8)	B Heptachlo...	5.690	4.869	230.7E6	1126.8E6	47.831	51.459m
9)	A Endosulfan I	6.073	5.244	218.3E6	1093.0E6	48.438	52.439
10)	B gamma-Chl...	5.945	5.123	231.5E6	1234.8E6	48.340	51.615
11)	B alpha-Chl...	6.026	5.188	233.7E6	1173.7E6	48.298	51.260
12)	B 4,4'-DDE	6.195	5.372	211.5E6	1177.0E6	48.503	51.361
13)	MA Dieldrin	6.346	5.510	233.7E6	1191.3E6	48.718	51.332
14)	MA Endrin	6.574	5.787	179.3E6	996.7E6	43.450	45.903
15)	B Endosulfa...	6.786	6.077	193.6E6	1026.9E6	47.951	50.843
16)	A 4,4'-DDD	6.705	5.927	170.4E6	1010.2E6	49.654	52.811
17)	MA 4,4'-DDT	7.020	6.181	163.6E6	945.4E6	43.177	46.619
18)	B Endrin al...	6.914	6.256	144.2E6	768.1E6	47.076	50.164
19)	B Endosulfa...	7.149	6.480	177.2E6	984.2E6	46.190	50.161
20)	A Methoxychlor	7.492	6.752	80087416	458.1E6	39.635	42.544
21)	B Endrin ke...	7.630	6.989	189.8E6	1064.4E6	46.590	49.276
22)	Mirex	8.113	7.183	119.5E6	692.7E6	39.306	41.534

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

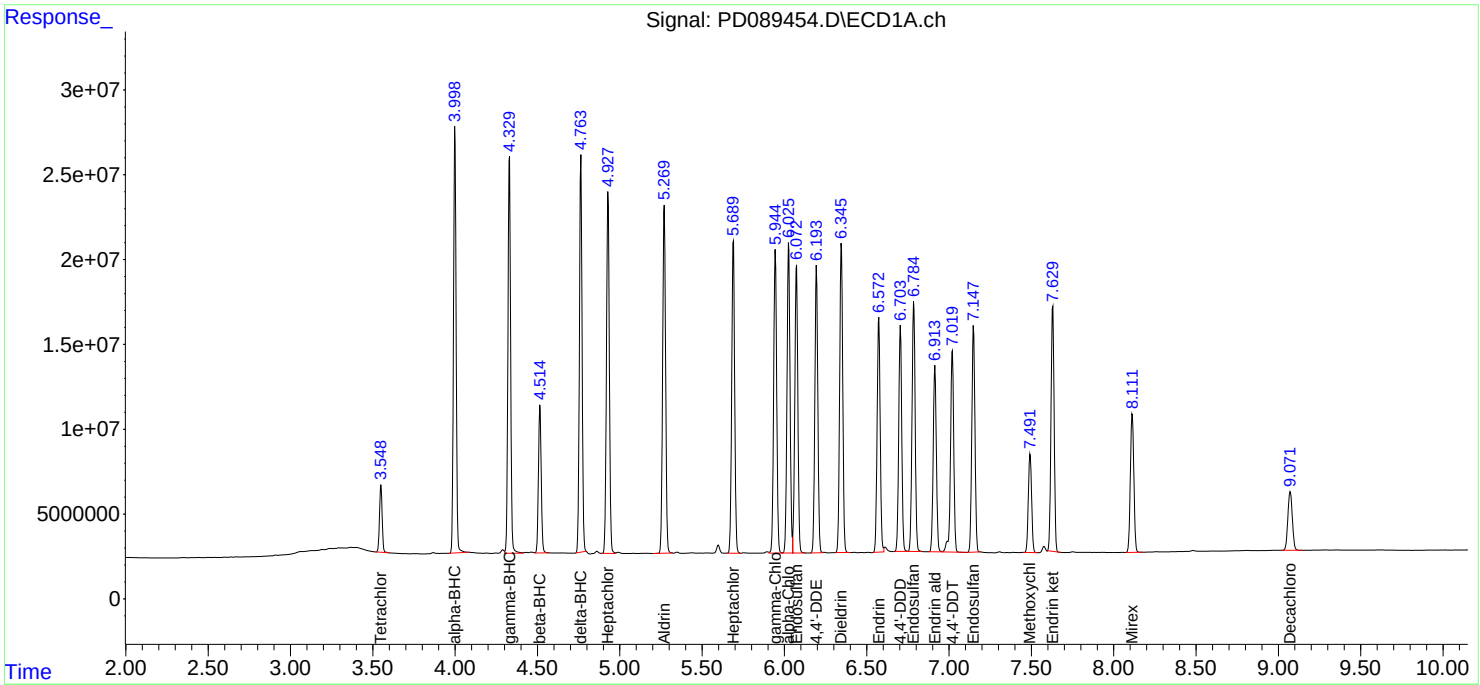
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:15
Operator : AR\AJ
Sample : PB168810BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

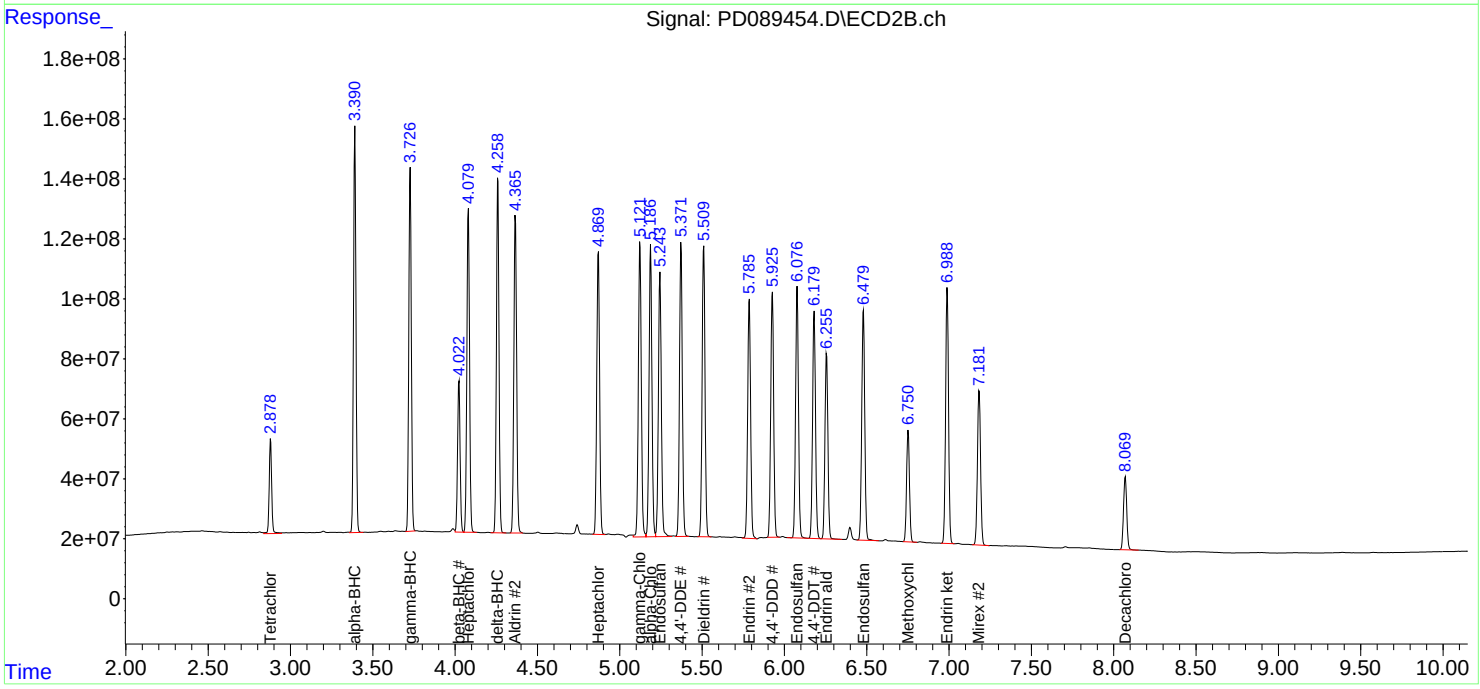
Instrument :
ECD_D
ClientSampleId :
PB168810BS

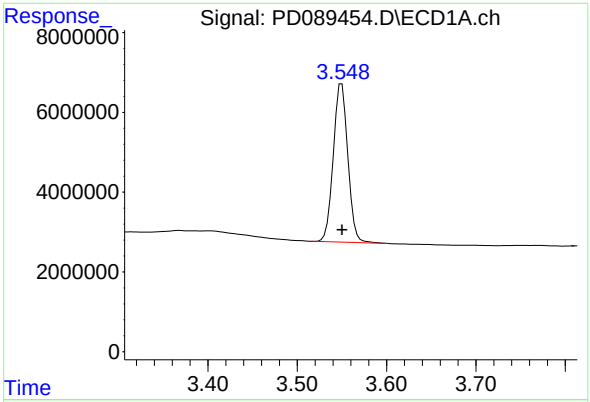
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 3.550 min
Delta R.T.: 0.000 min
Response: 44833691
Conc: 15.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

Manual Integrations APPROVED

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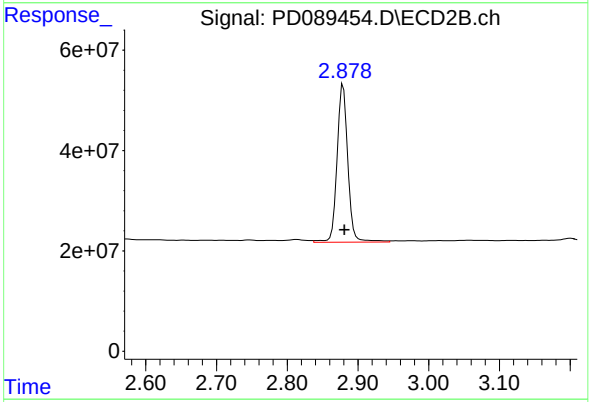
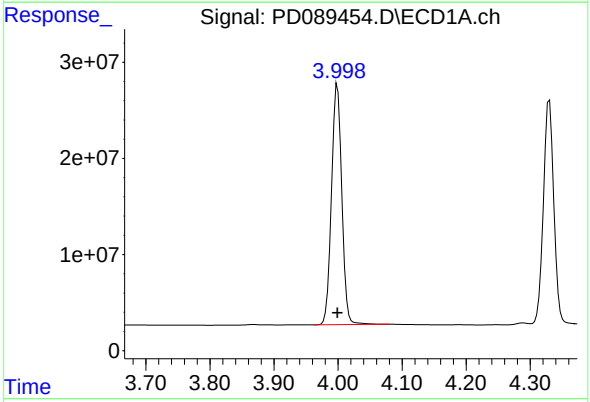


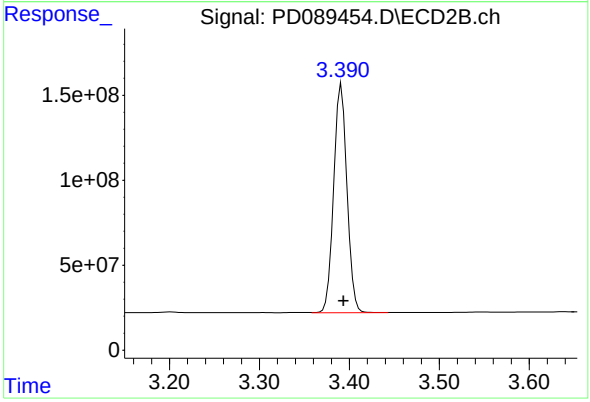
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 333099176
Conc: 19.65 ng/ml



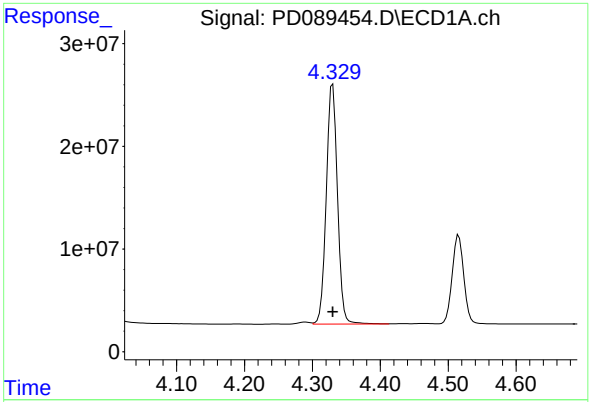
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 280427987
Conc: 48.11 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 1381865474
Conc: 51.57 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 268104441
Conc: 48.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

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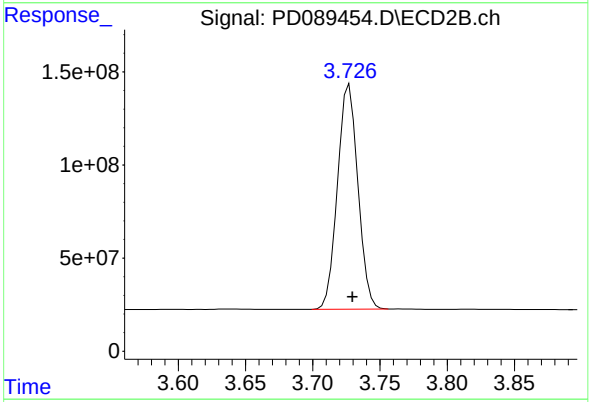
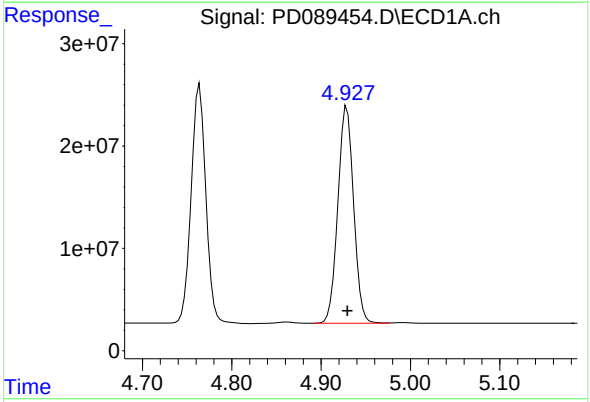


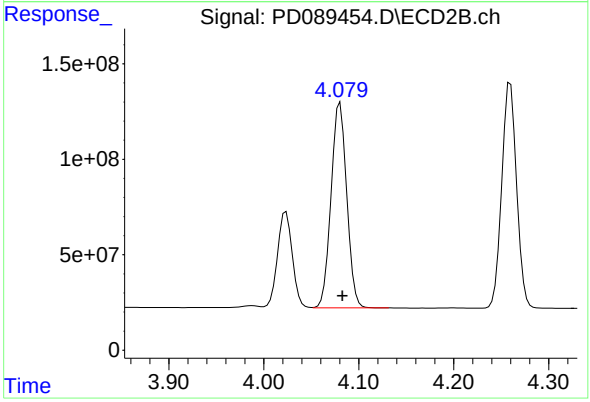
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.004 min
Response: 1274418894
Conc: 51.48 ng/ml m



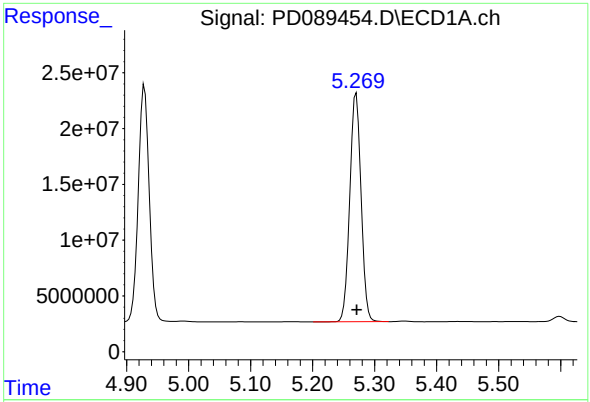
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 259905201
Conc: 47.67 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: -0.002 min
Response: 1233287081
Conc: 49.26 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 258463504
Conc: 48.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

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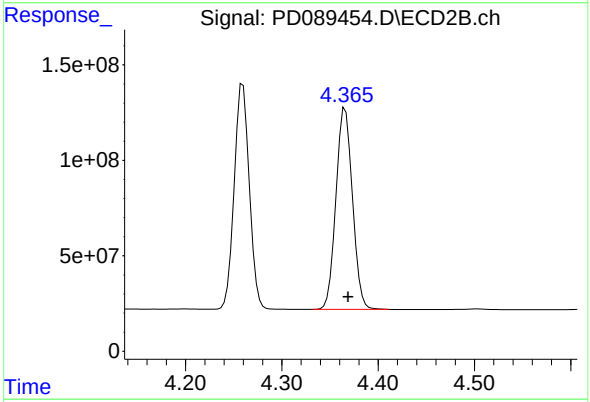
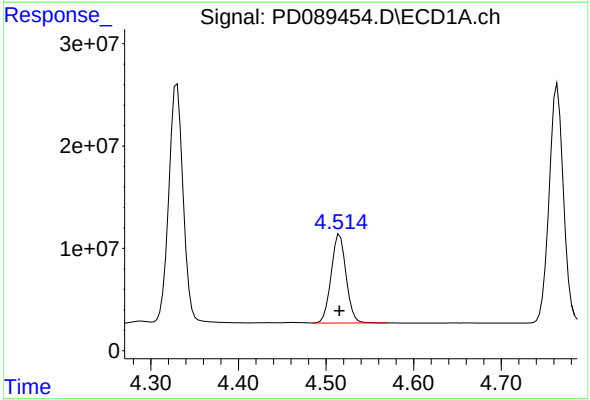


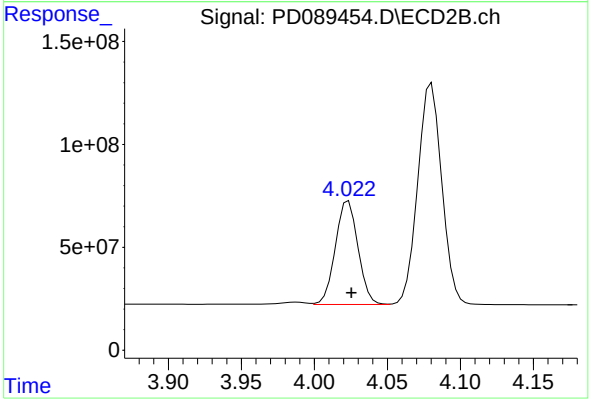
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.003 min
Response: 1254644701
Conc: 51.81 ng/ml



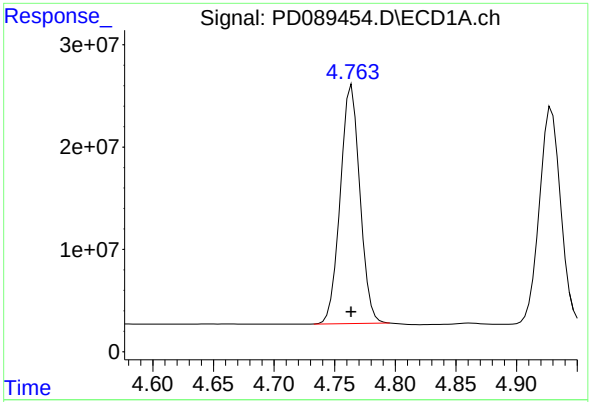
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 102565619
Conc: 46.47 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.002 min
Response: 542848932
Conc: 50.52 ng/ml



#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 262472880
Conc: 51.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

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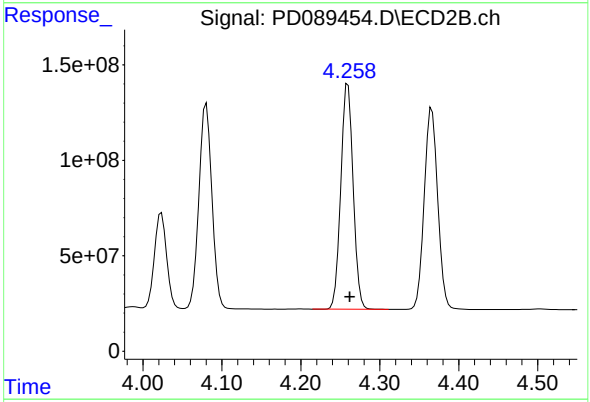
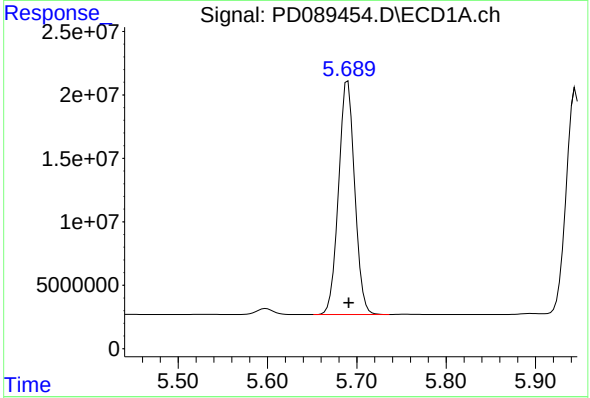
Supervised By :mohammad ahmed 07/15/2025



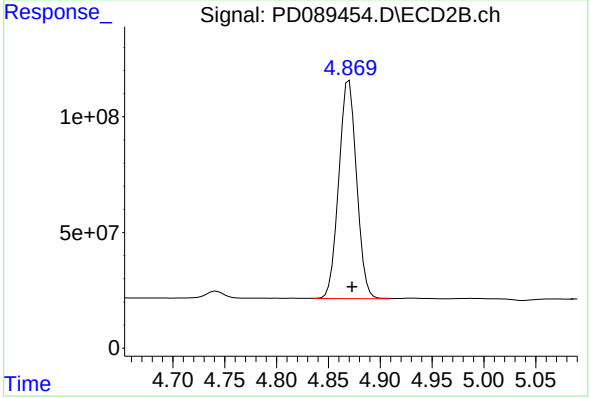
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.002 min
Response: 1283470551
Conc: 51.60 ng/ml



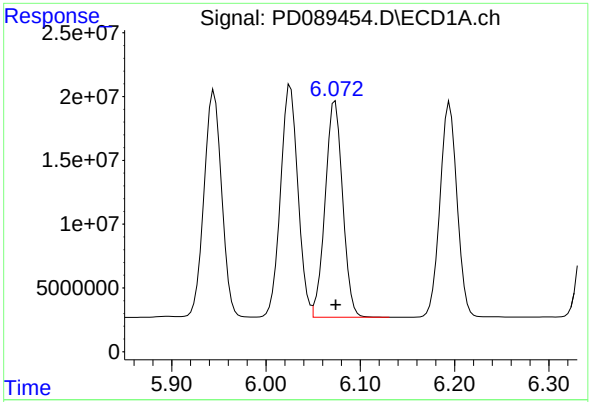
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 230733200
Conc: 47.83 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: -0.004 min
Response: 1126842964
Conc: 51.46 ng/ml m



#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 218332483
Conc: 48.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

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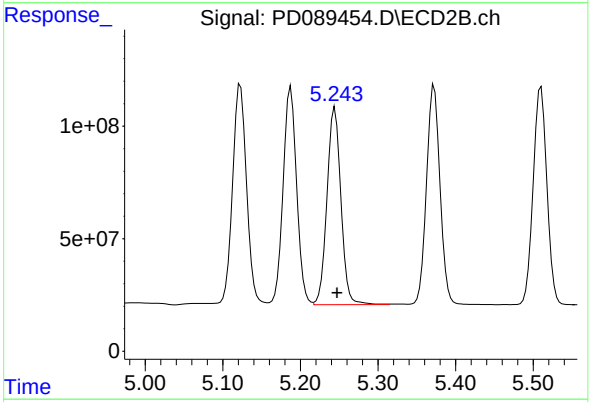
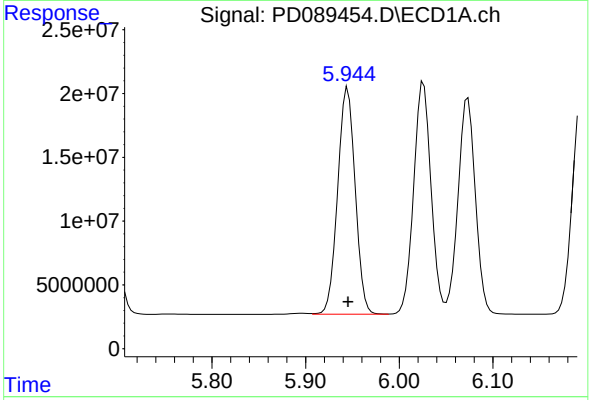


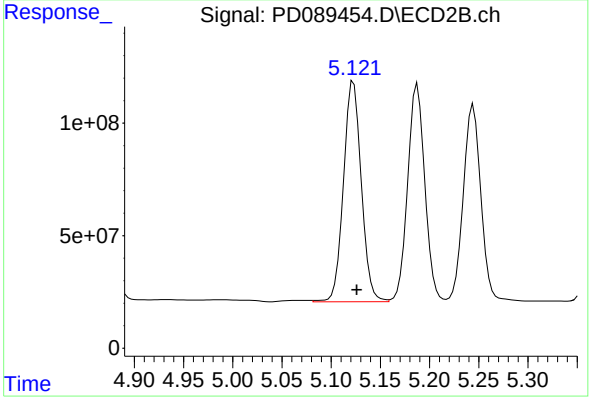
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: -0.003 min
Response: 1092966471
Conc: 52.44 ng/ml



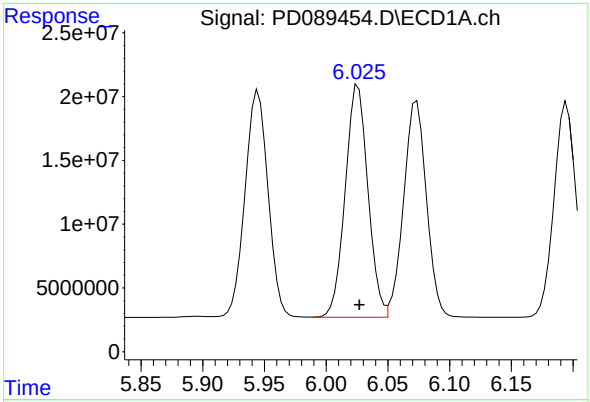
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 231456891
Conc: 48.34 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: -0.003 min
Response: 1234770155
Conc: 51.61 ng/ml



#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 233690730
Conc: 48.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

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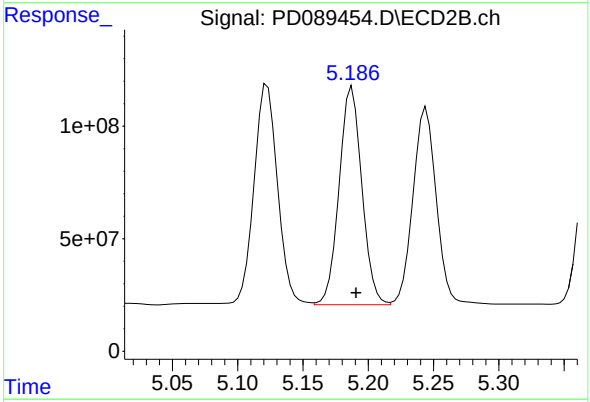
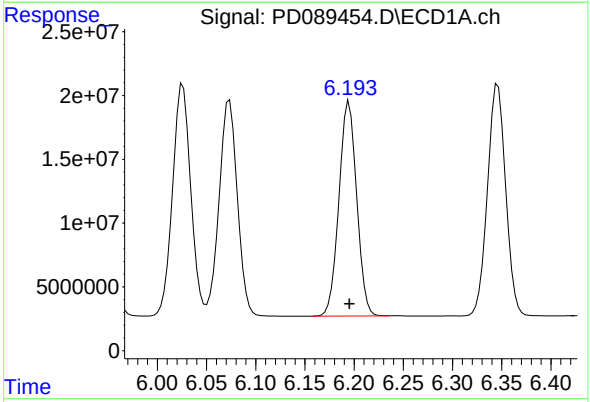


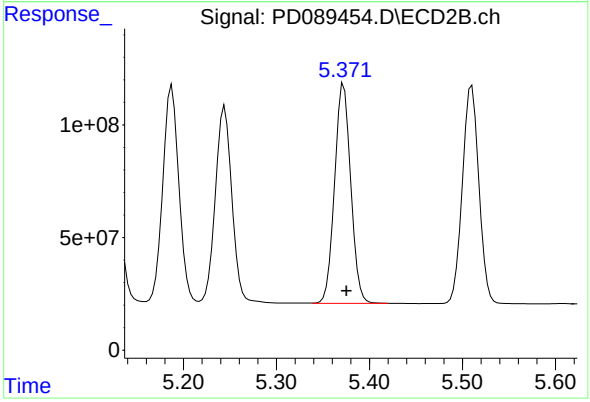
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1173685466
Conc: 51.26 ng/ml



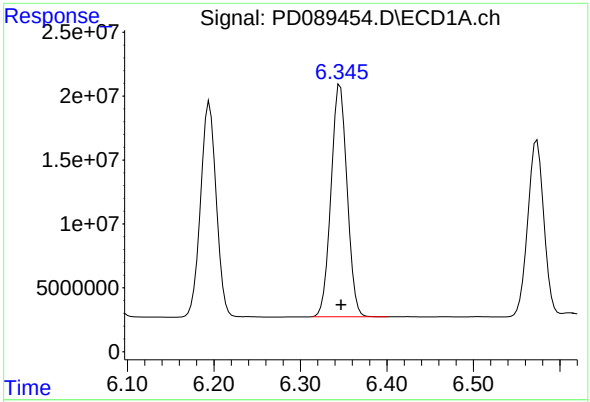
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 211524952
Conc: 48.50 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 1177000446
Conc: 51.36 ng/ml



#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 233721384
Conc: 48.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

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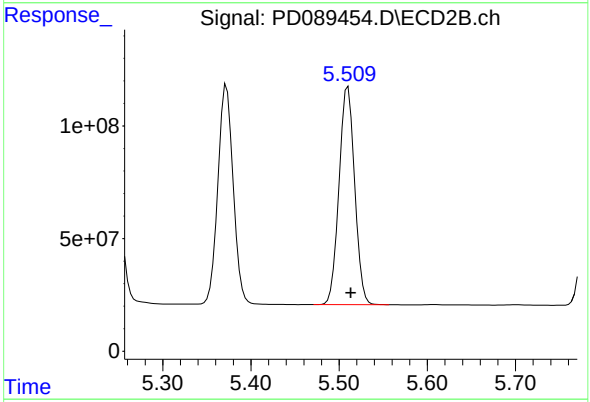
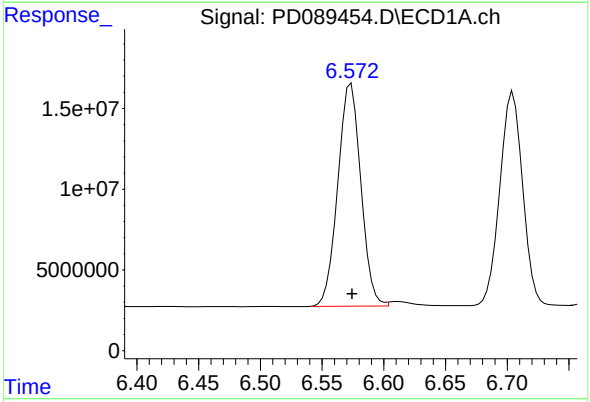


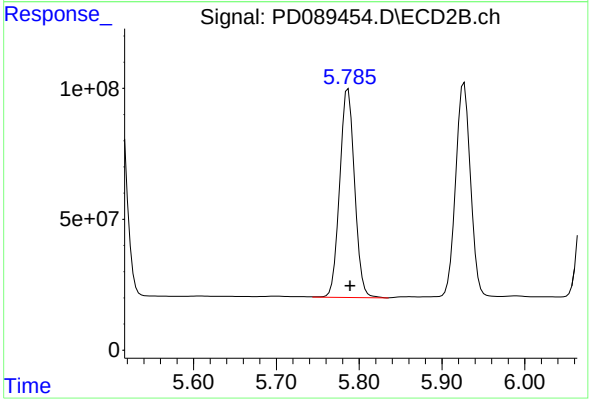
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 1191327989
Conc: 51.33 ng/ml



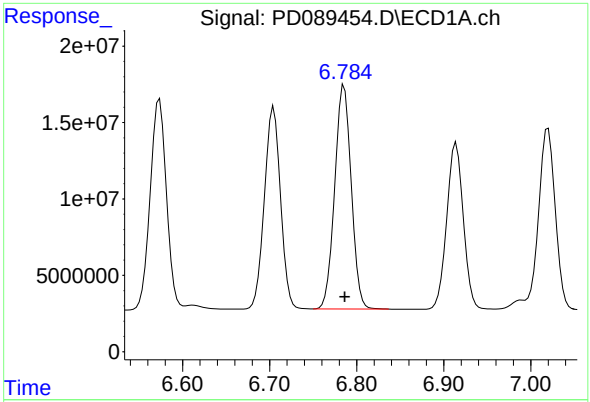
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 179258295
Conc: 43.45 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 996742245
Conc: 45.90 ng/ml



#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 193558747
Conc: 47.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

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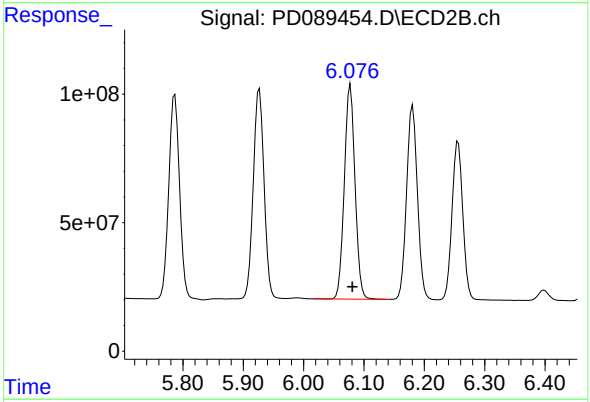
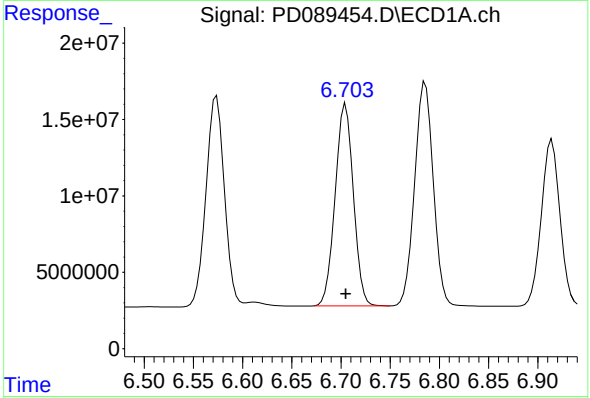
Supervised By :mohammad ahmed 07/15/2025



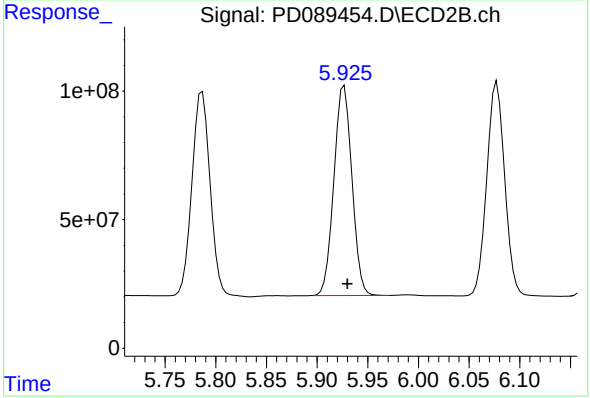
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: -0.003 min
Response: 1026855151
Conc: 50.84 ng/ml



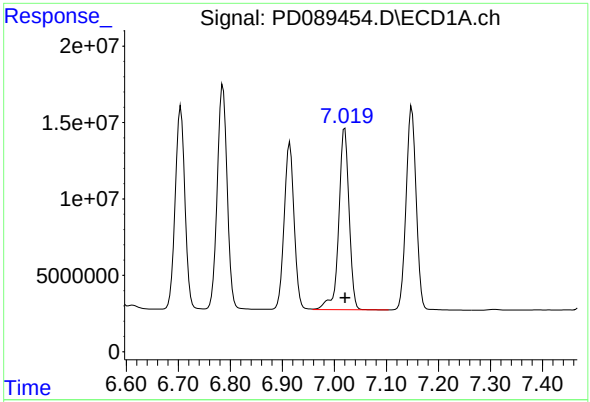
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 170413719
Conc: 49.65 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 1010247197
Conc: 52.81 ng/ml



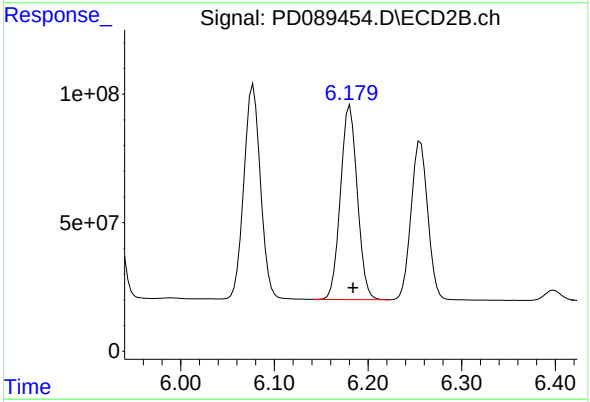
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 163561647
Conc: 43.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

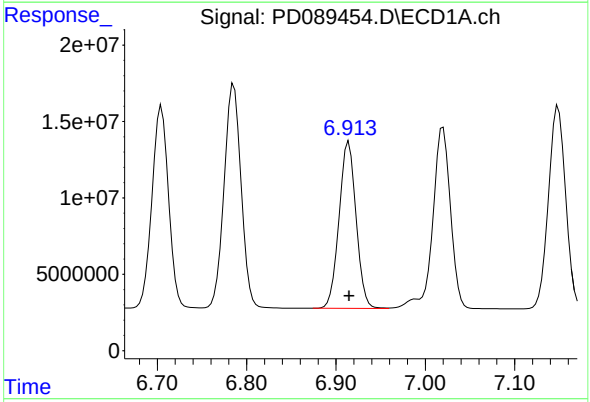
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



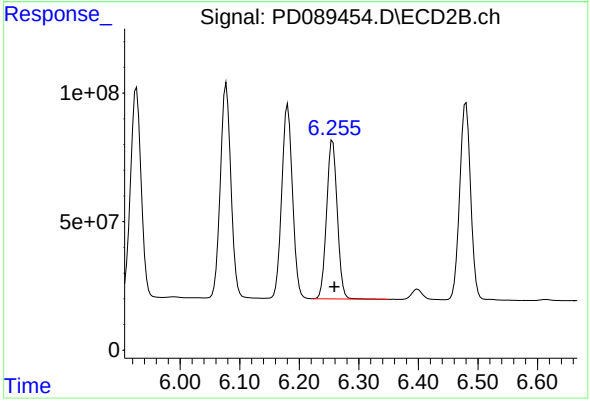
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 945408128
Conc: 46.62 ng/ml



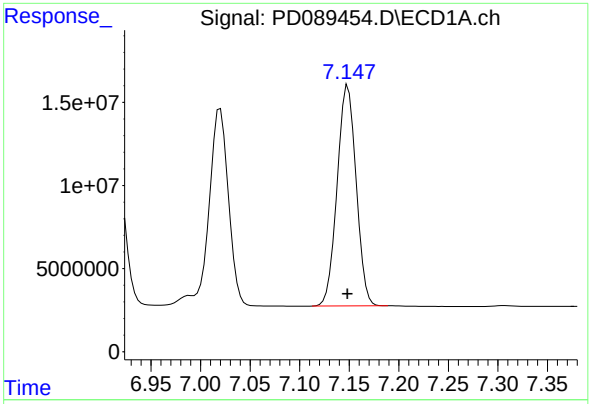
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 144237370
Conc: 47.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 768074266
Conc: 50.16 ng/ml



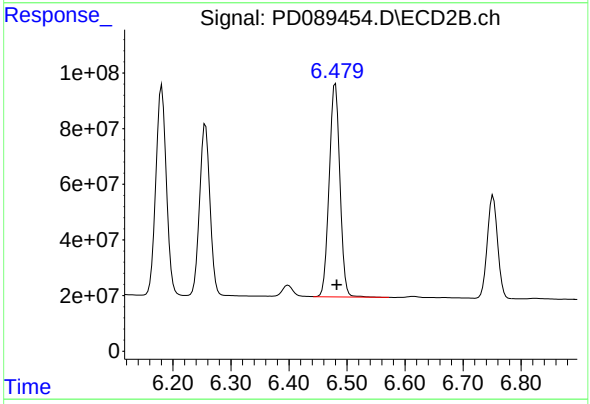
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 177240144
Conc: 46.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

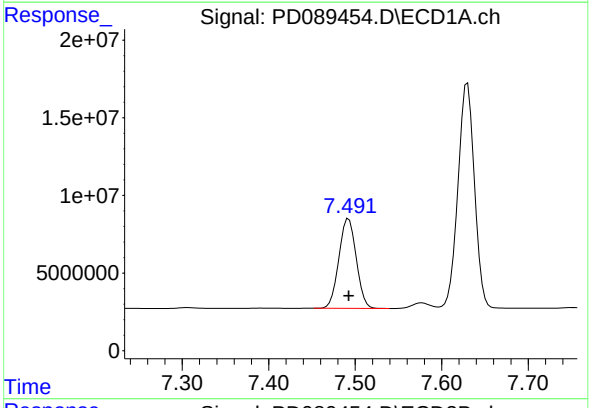
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



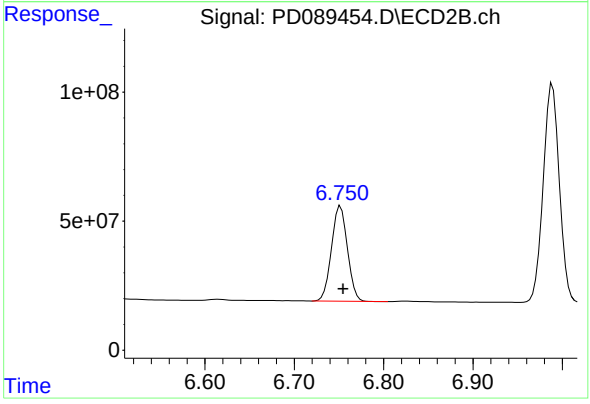
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.003 min
Response: 984208735
Conc: 50.16 ng/ml



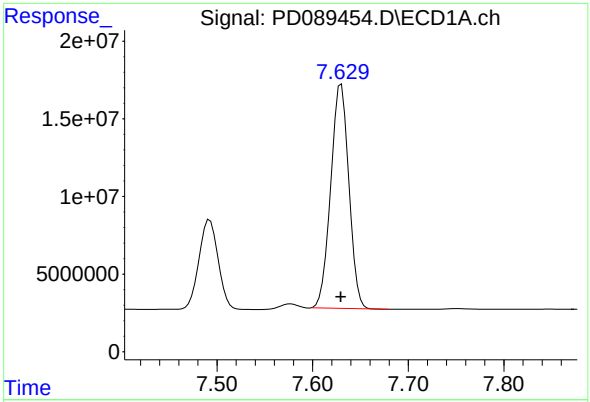
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 80087416
Conc: 39.63 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 458112948
Conc: 42.54 ng/ml



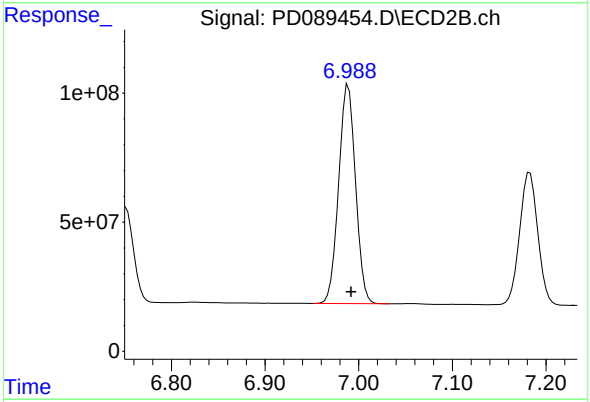
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 189764940
Conc: 46.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

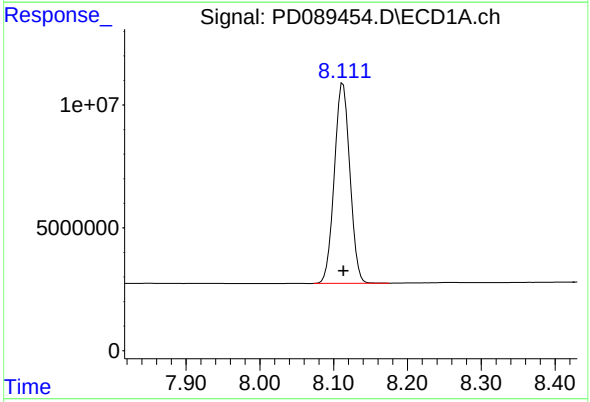
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



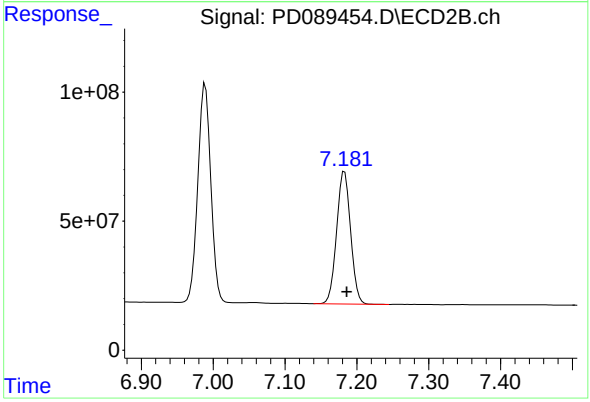
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1064448980
Conc: 49.28 ng/ml



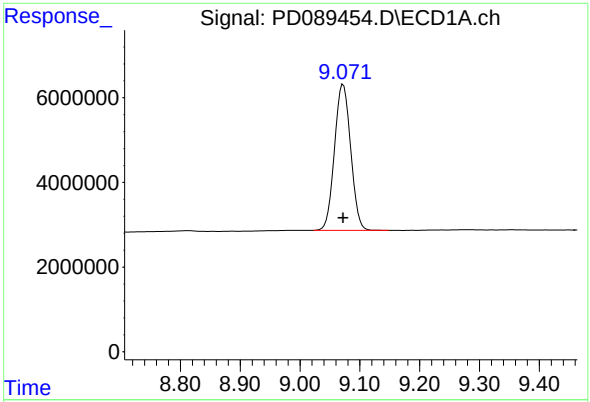
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 119495380
Conc: 39.31 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 692715290
Conc: 41.53 ng/ml



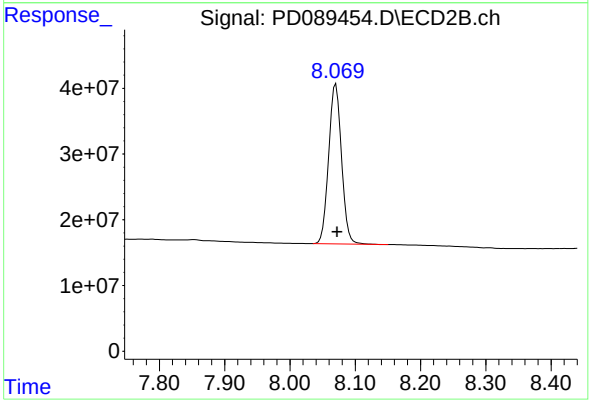
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 64927993
Conc: 16.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 333188072
Conc: 16.85 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	LP-7102025MS	SDG No.:	Q2555
Lab Sample ID:	Q2560-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.2 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
PD089457.D	1	07/11/25 08:20	07/11/25 13:56	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00015	0.00039	0.0020	mg/Kg
319-85-7	beta-BHC	0.022	P	0.00021	0.00099	0.0020	mg/Kg
319-86-8	delta-BHC	0.018		0.00046	0.00099	0.0020	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.019		0.00017	0.00039	0.0020	mg/Kg
76-44-8	Heptachlor	0.017		0.00014	0.00039	0.0020	mg/Kg
309-00-2	Aldrin	0.018		0.00014	0.00039	0.0020	mg/Kg
1024-57-3	Heptachlor epoxide	0.020		0.00023	0.00099	0.0020	mg/Kg
959-98-8	Endosulfan I	0.018		0.00017	0.00039	0.0020	mg/Kg
60-57-1	Dieldrin	0.018		0.00017	0.00039	0.0020	mg/Kg
72-55-9	4,4-DDE	0.017		0.00017	0.00039	0.0020	mg/Kg
72-20-8	Endrin	0.017		0.00017	0.00039	0.0020	mg/Kg
33213-65-9	Endosulfan II	0.020		0.00034	0.00099	0.0020	mg/Kg
72-54-8	4,4-DDD	0.018		0.00018	0.00039	0.0020	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00015	0.00039	0.0020	mg/Kg
50-29-3	4,4-DDT	0.017		0.00017	0.00039	0.0020	mg/Kg
72-43-5	Methoxychlor	0.017		0.00044	0.00099	0.0020	mg/Kg
53494-70-5	Endrin ketone	0.016		0.00023	0.00099	0.0020	mg/Kg
7421-93-4	Endrin aldehyde	0.017		0.00044	0.00099	0.0020	mg/Kg
5103-71-9	alpha-Chlordane	0.024		0.00014	0.00039	0.0020	mg/Kg
5103-74-2	gamma-Chlordane	0.021		0.00018	0.00039	0.0020	mg/Kg
8001-35-2	Toxaphene	0.020	U	0.0064	0.020	0.039	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.5		55 - 130		88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		42 - 129		101%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	LP-7102025MS	SDG No.:	Q2555
Lab Sample ID:	Q2560-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.2 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
PD089457.D	1	07/11/25 08:20	07/11/25 13:56	PB168810

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\PD071125\
Data File : PD089457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:56
Operator : AR\AJ
Sample : Q2560-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	45181319	341.4E6	15.836m	20.137m#
28)	SA Decachlor...	9.070	8.069	68805107	323.3E6	17.518m	16.354
	Target Compounds						
2)	A alpha-BHC	3.999	3.391	242.2E6	1180.2E6	41.557	44.042m
3)	MA gamma-BHC...	4.328	3.728	264.7E6	1033.6E6	47.423m	41.750
4)	MA Heptachlor	4.929	4.080	239.7E6	1083.7E6	43.961	43.280m
5)	MB Aldrin	5.270	4.367	246.5E6	1065.7E6	46.401	44.004
6)	B beta-BHC	4.516	4.024	65977385	603.6E6	29.893	56.167m#
7)	B delta-BHC	4.764	4.261	226.8E6	1106.7E6	44.185	44.493
8)	B Heptachlo...	5.689	4.869	235.6E6	1084.2E6	48.845m	49.513m
9)	A Endosulfan I	6.073	5.246	203.1E6	839.6E6	45.062	40.285m
10)	B gamma-Chl...	5.945	5.122	246.5E6	1249.2E6	51.487	52.218m
11)	B alpha-Chl...	6.027	5.188	294.4E6	1406.6E6	60.852	61.430
12)	B 4,4'-DDE	6.195	5.372	155.1E6	987.3E6	35.570	43.082m
13)	MA Dieldrin	6.346	5.510	207.4E6	1047.8E6	43.240	45.148m
14)	MA Endrin	6.573	5.786	168.9E6	940.9E6	40.931	43.331m
15)	B Endosulfa...	6.785	6.077	164.9E6	993.4E6	40.841	49.189m
16)	A 4,4'-DDD	6.702	5.927	155.4E6	720.9E6	45.282m	37.684m
17)	MA 4,4'-DDT	7.020	6.181	163.1E6	891.4E6	43.053	43.957
18)	B Endrin al...	6.914	6.256	125.0E6	647.5E6	40.787	42.287m
19)	B Endosulfa...	7.148	6.481	151.8E6	821.0E6	39.550	41.842
20)	A Methoxychlor	7.491	6.752	85952808	426.5E6	42.538m	39.610
21)	B Endrin ke...	7.629	6.989	160.3E6	828.4E6	39.351	38.350
22)	Mirex	8.111	7.183	116.6E6	613.3E6	38.342m	36.772

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

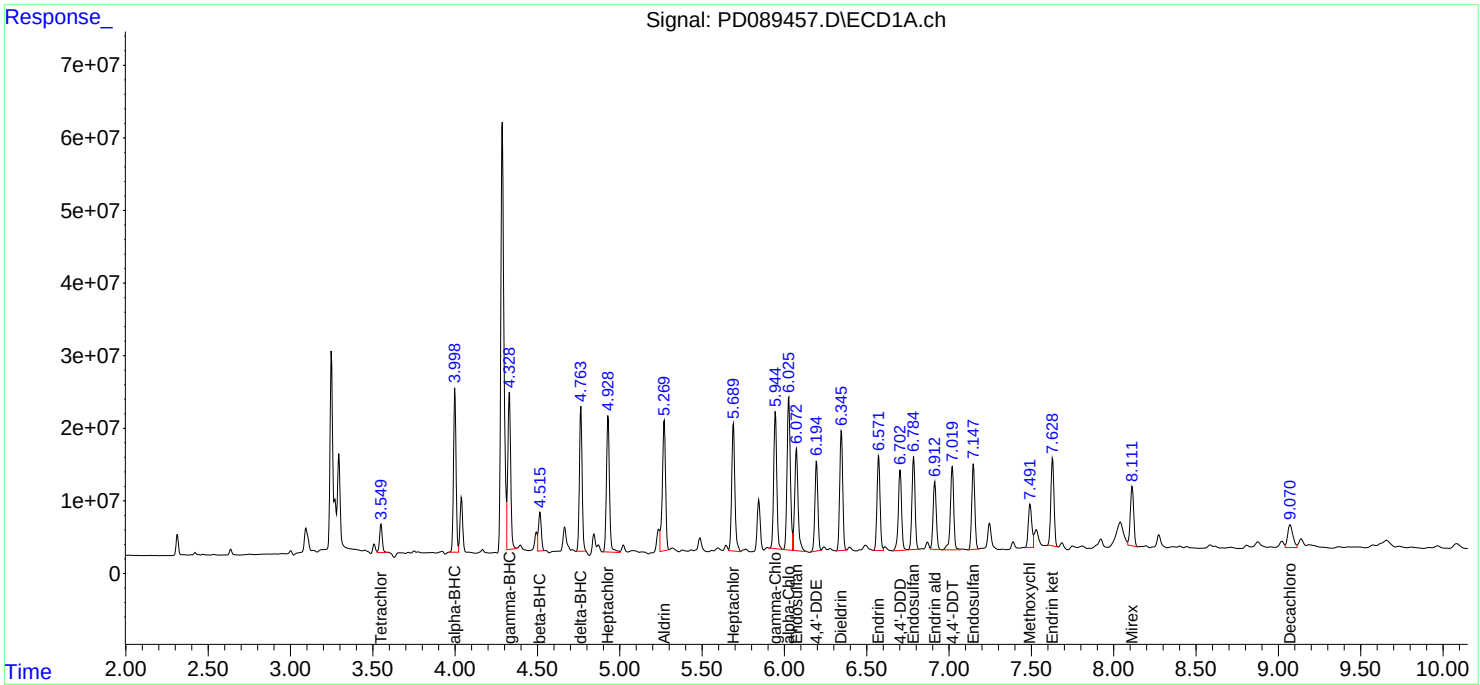
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:56
Operator : AR\AJ
Sample : Q2560-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

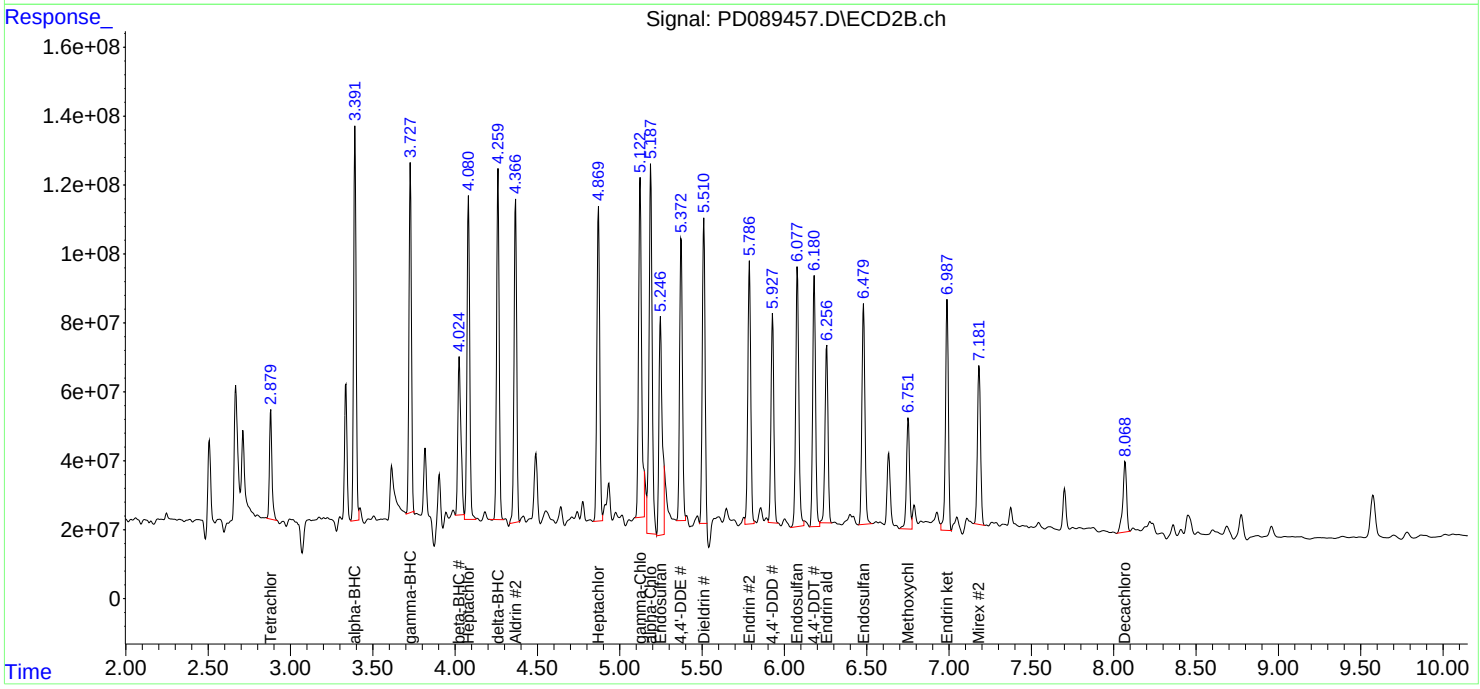
Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

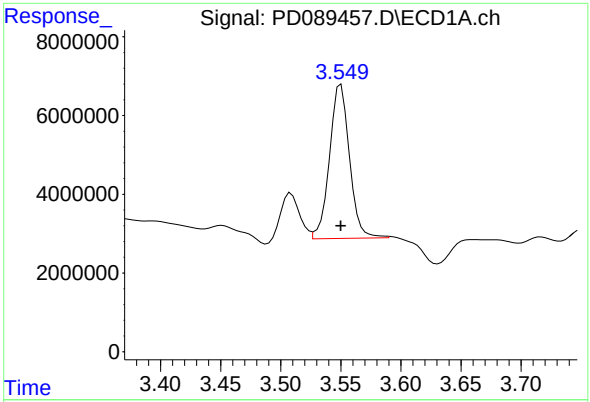
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







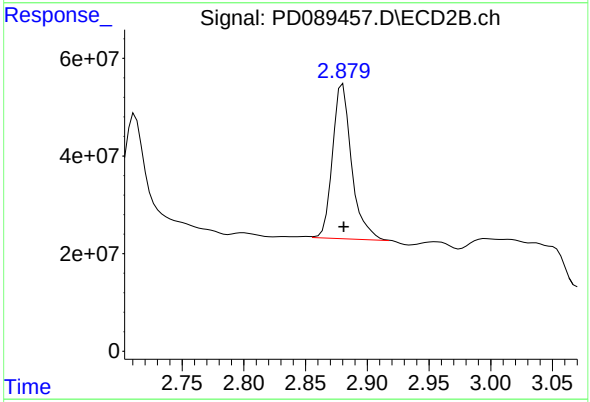
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.001 min
Response: 45181319
Conc: 15.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

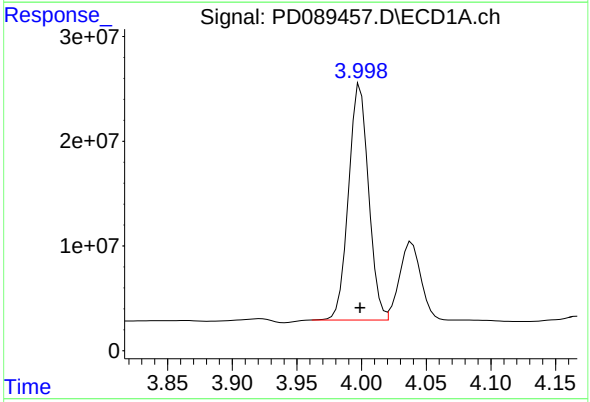
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



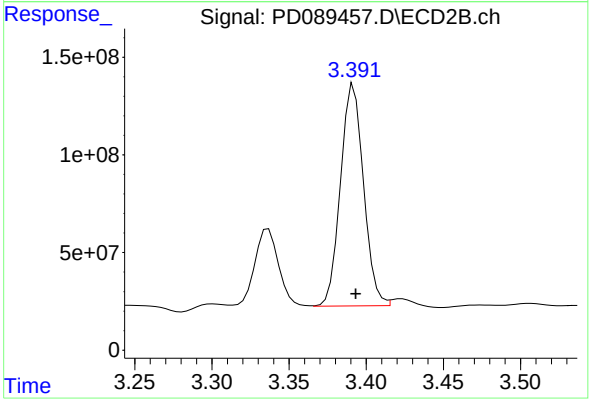
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 341391200
Conc: 20.14 ng/ml m



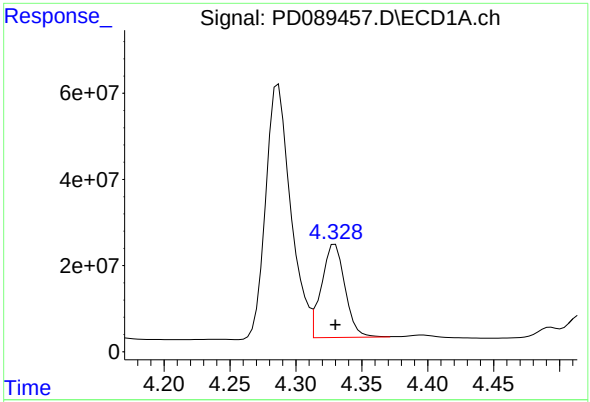
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 242239022
Conc: 41.56 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 1180191354
Conc: 44.04 ng/ml m



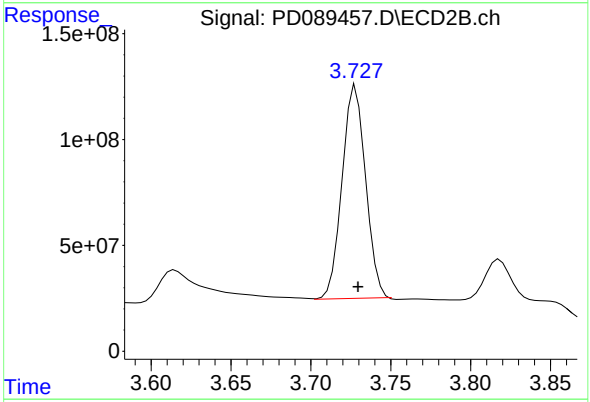
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.002 min
Response: 264702877
Conc: 47.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

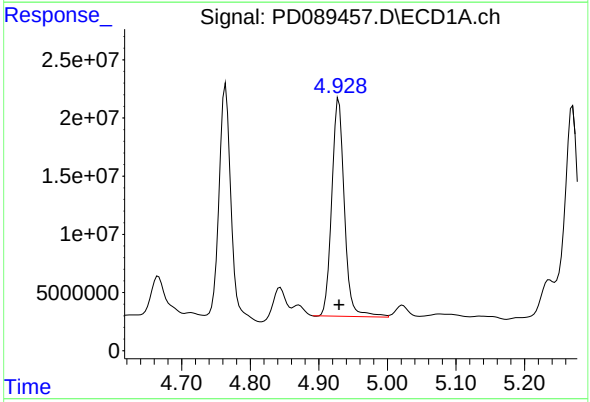
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



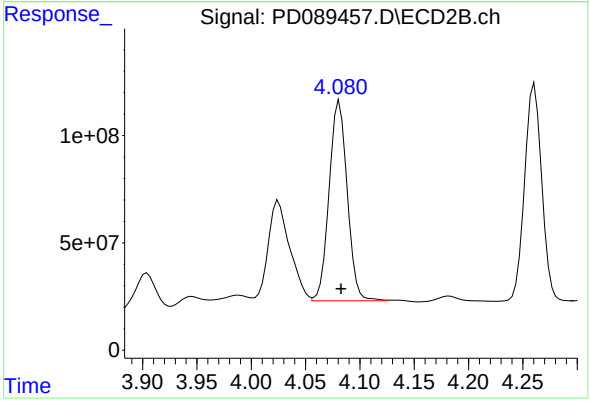
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1033599257
Conc: 41.75 ng/ml



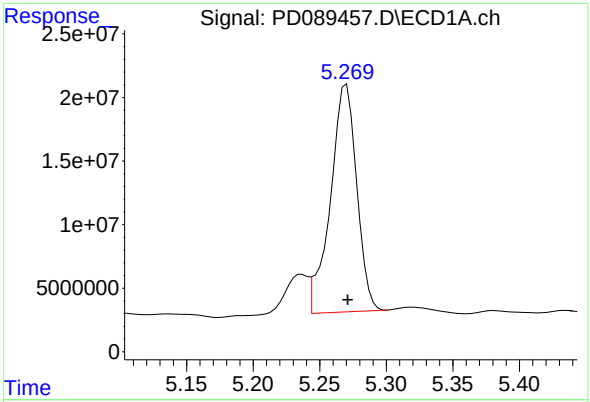
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 239672422
Conc: 43.96 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: -0.003 min
Response: 1083651335
Conc: 43.28 ng/ml m



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 246529176
Conc: 46.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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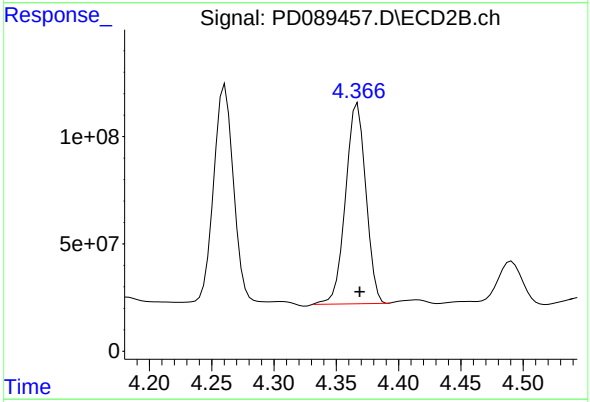
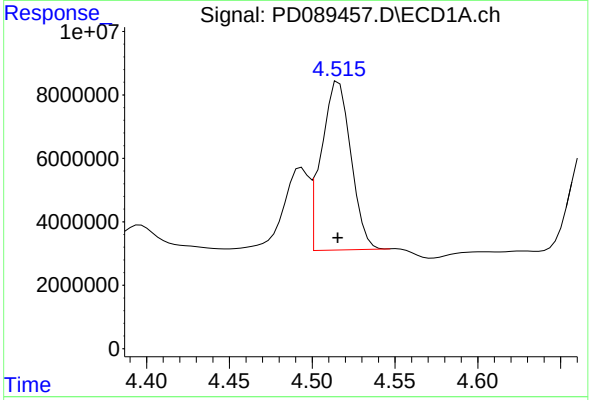
Supervised By :mohammad ahmed 07/15/2025



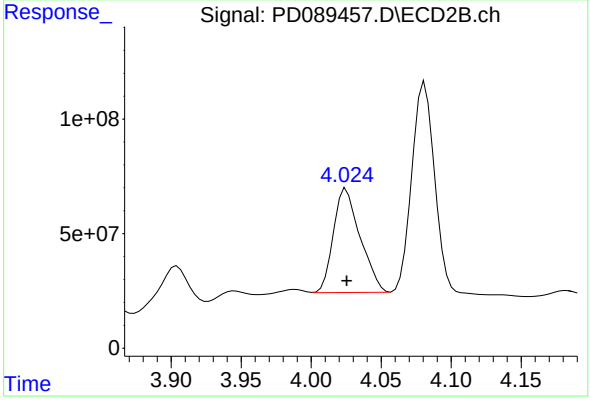
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1065654526
Conc: 44.00 ng/ml



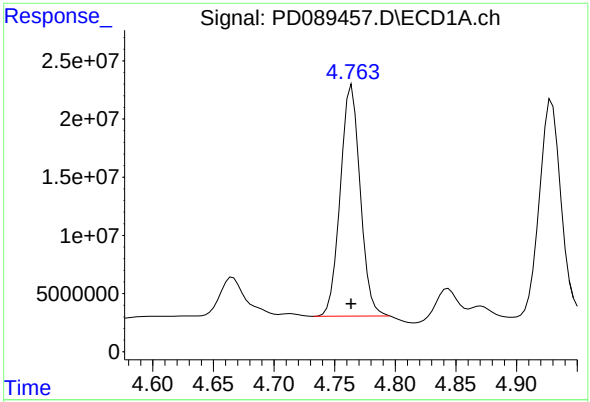
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 65977385
Conc: 29.89 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 603584811
Conc: 56.17 ng/ml m



#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 226795716
Conc: 44.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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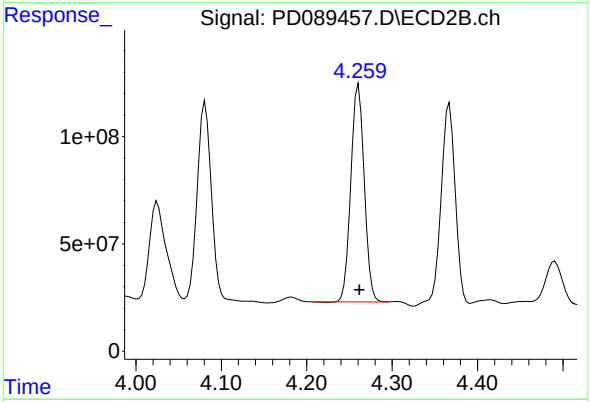
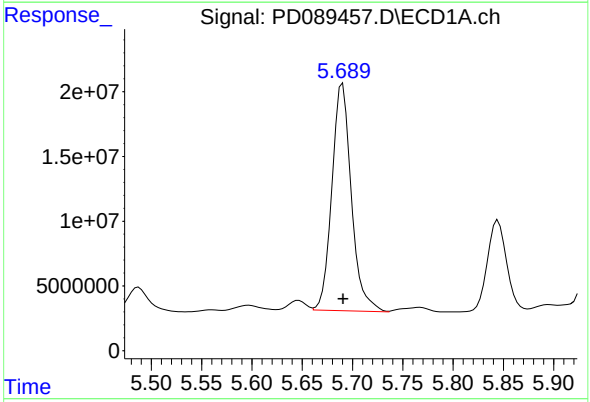


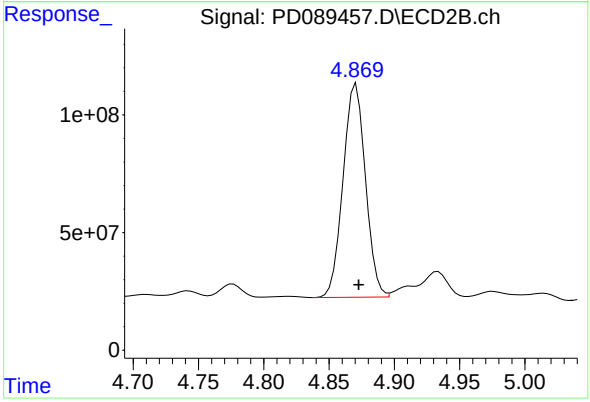
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1106690629
Conc: 44.49 ng/ml



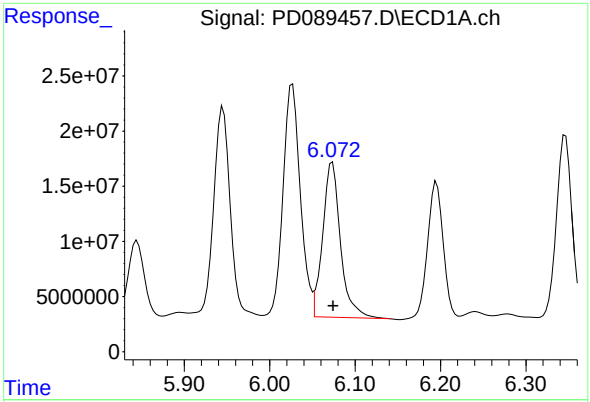
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.002 min
Response: 235626789
Conc: 48.85 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: -0.003 min
Response: 1084246163
Conc: 49.51 ng/ml m



#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 203112856
Conc: 45.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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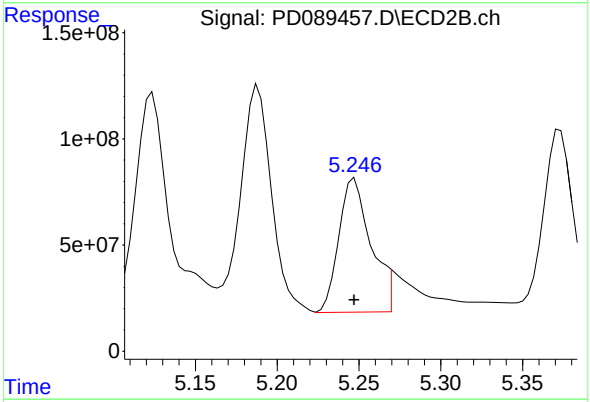
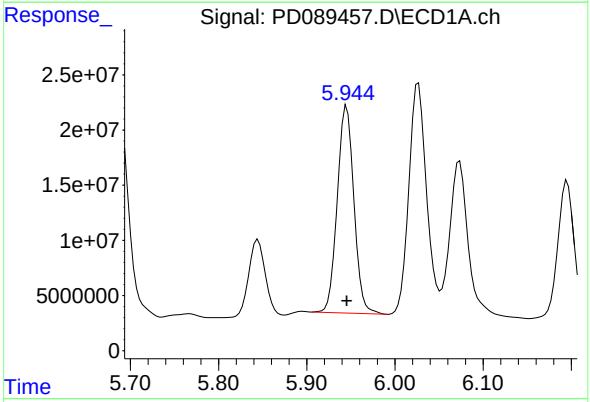


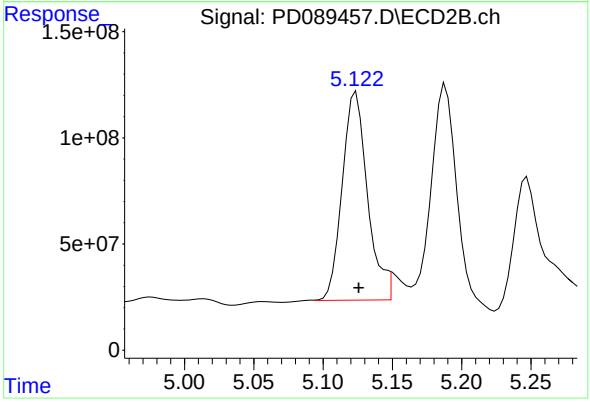
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.001 min
Response: 839637096
Conc: 40.28 ng/ml m



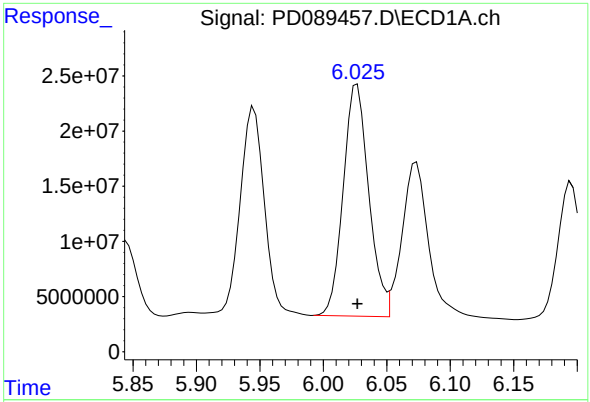
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 246526854
Conc: 51.49 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: -0.003 min
Response: 1249191313
Conc: 52.22 ng/ml m



#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 294435931
Conc: 60.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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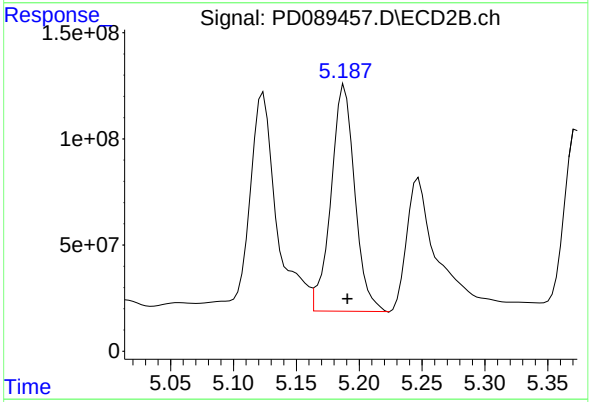
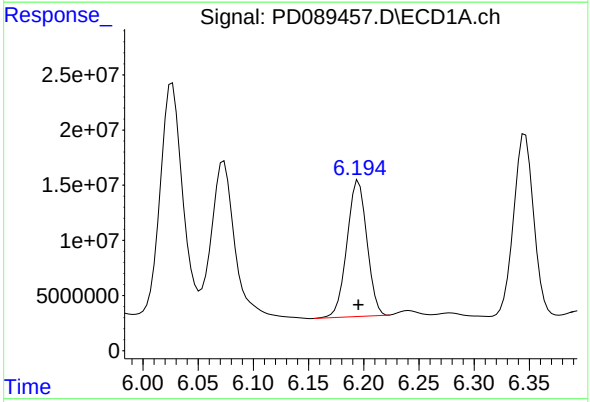


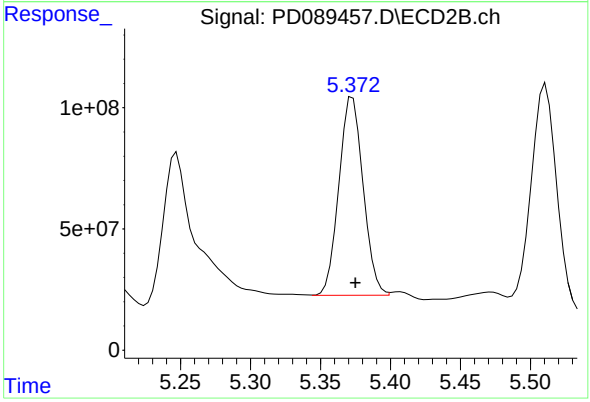
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1406561184
Conc: 61.43 ng/ml



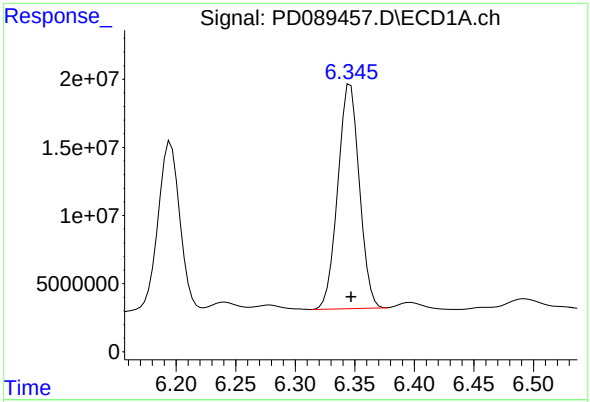
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 155123661
Conc: 35.57 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.004 min
Response: 987268794
Conc: 43.08 ng/ml m



#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 207440059
Conc: 43.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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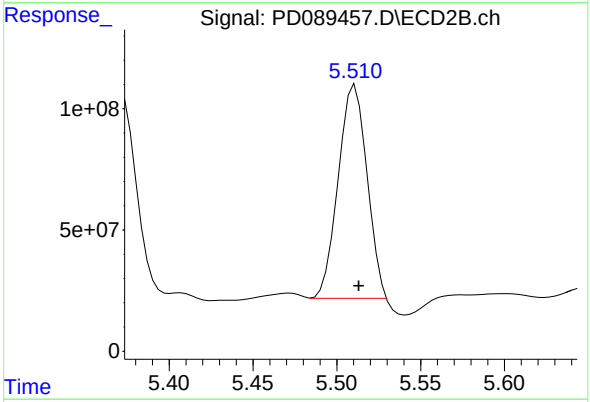
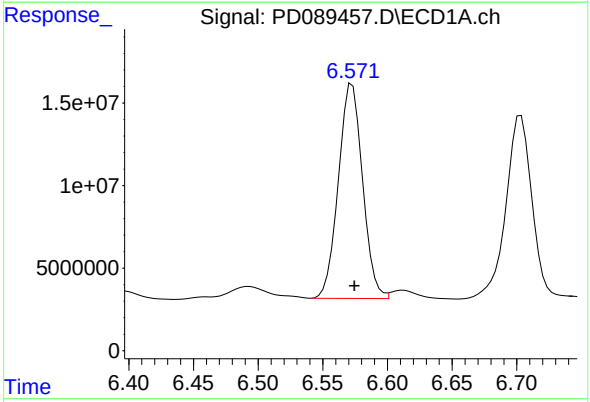


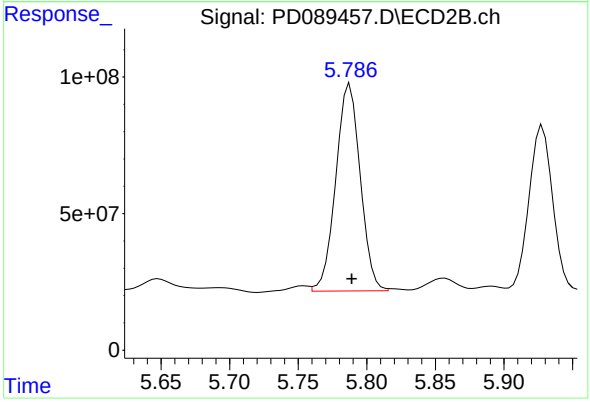
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.004 min
Response: 1047820964
Conc: 45.15 ng/ml m



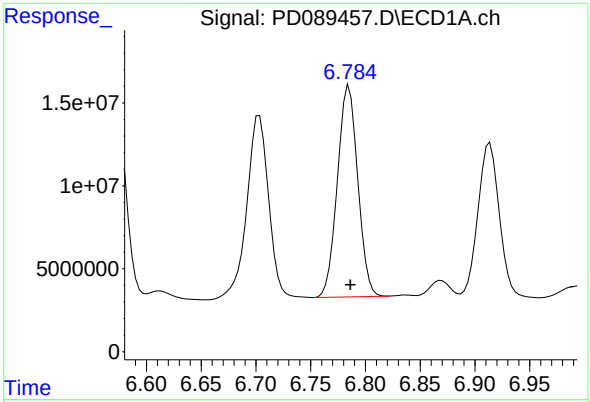
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.002 min
Response: 168863769
Conc: 40.93 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 940880543
Conc: 43.33 ng/ml m



#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 164858487
Conc: 40.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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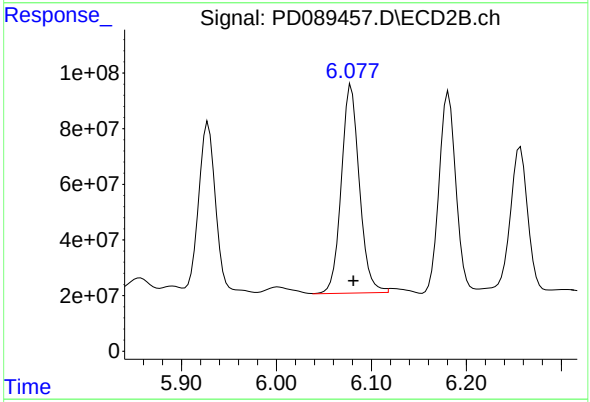
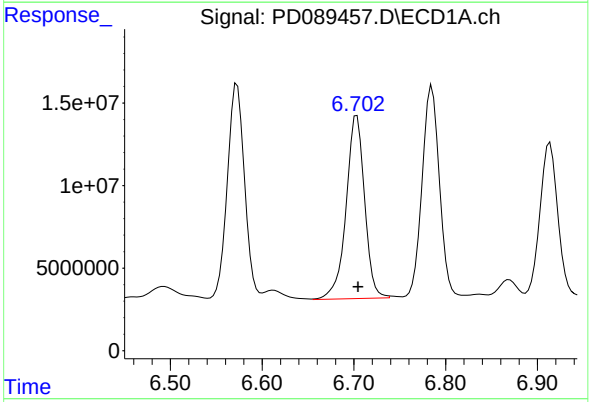


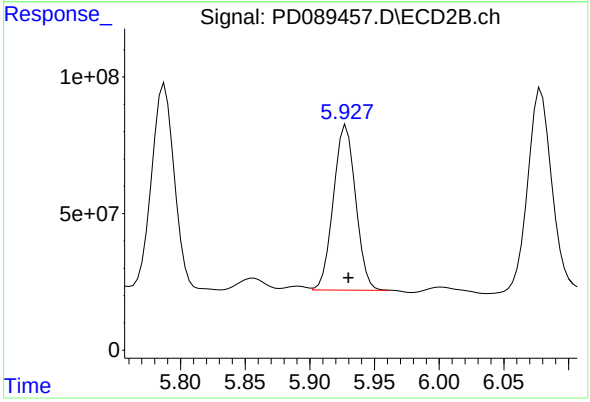
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: -0.004 min
Response: 993448699
Conc: 49.19 ng/ml m



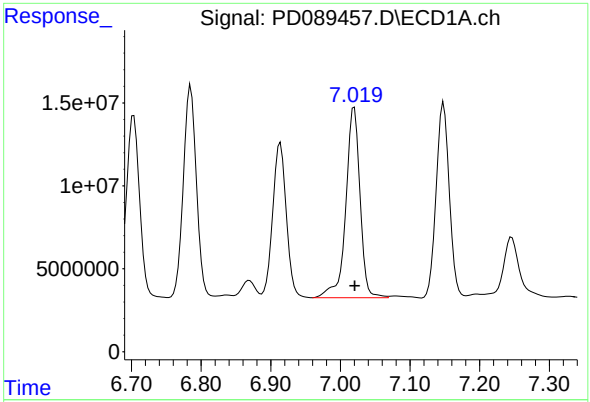
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.003 min
Response: 155408602
Conc: 45.28 ng/ml m



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 720873492
Conc: 37.68 ng/ml m



#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 163093187
Conc: 43.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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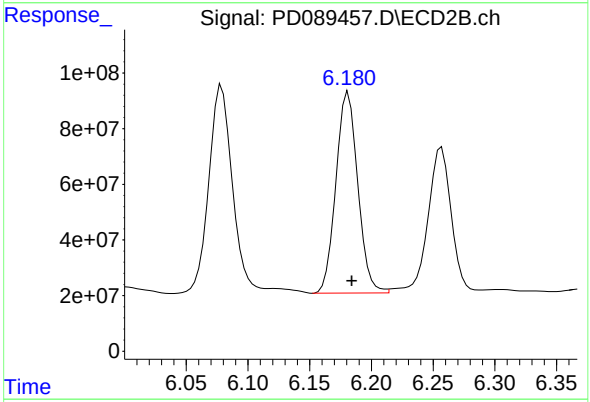
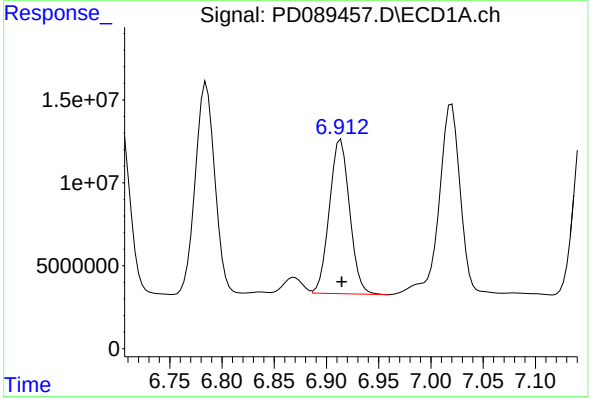


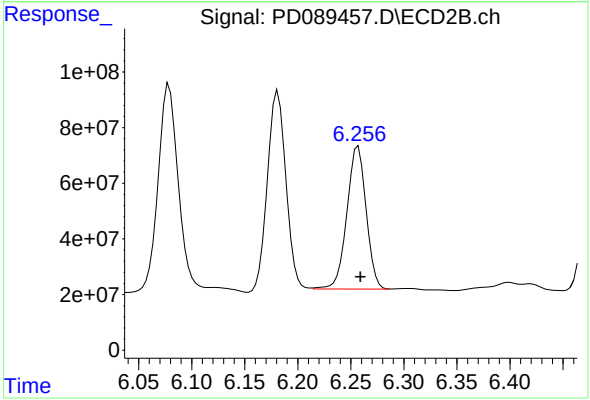
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 891425505
Conc: 43.96 ng/ml



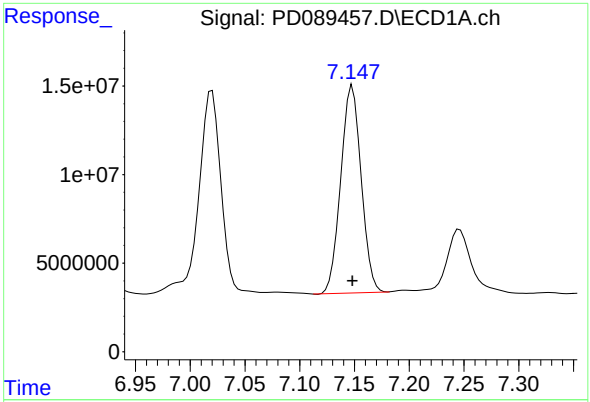
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 124968770
Conc: 40.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.004 min
Response: 647475173
Conc: 42.29 ng/ml m



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 151763777
Conc: 39.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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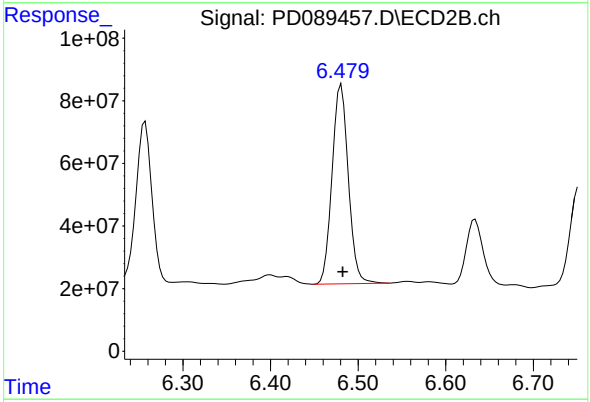
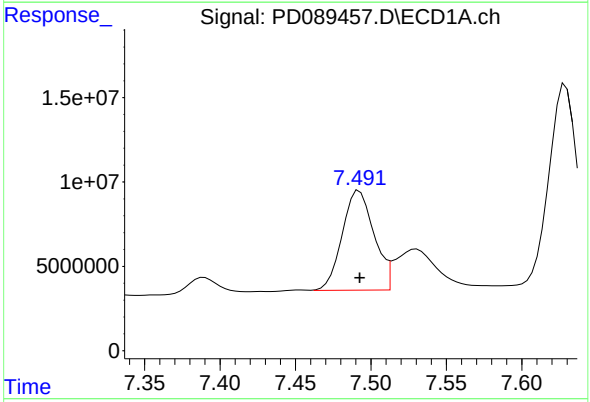
Supervised By :mohammad ahmed 07/15/2025



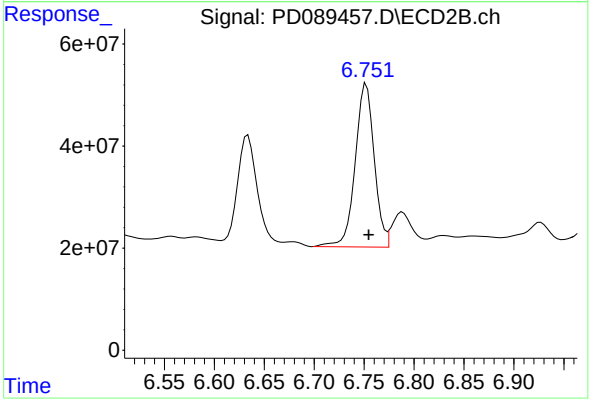
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.002 min
Response: 820993893
Conc: 41.84 ng/ml



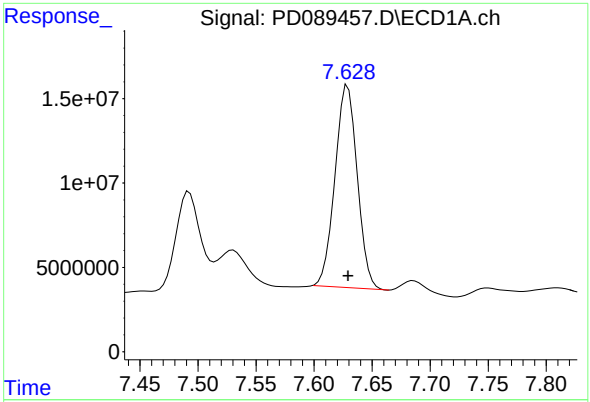
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.002 min
Response: 85952808
Conc: 42.54 ng/ml m



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 426526191
Conc: 39.61 ng/ml



#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 160281153
Conc: 39.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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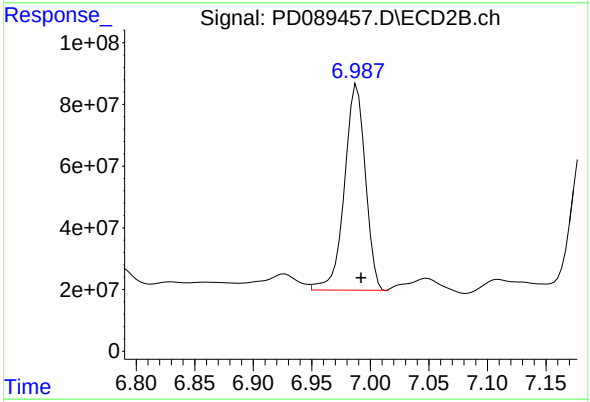
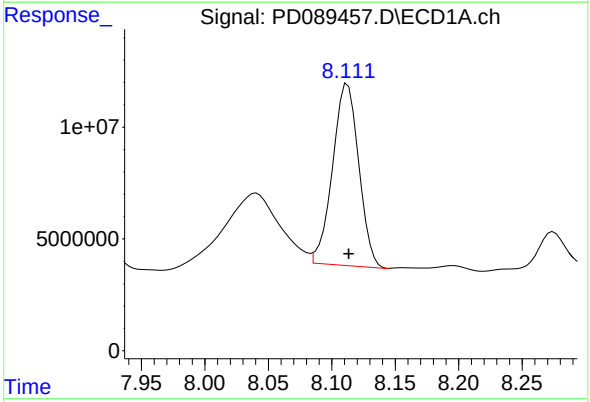


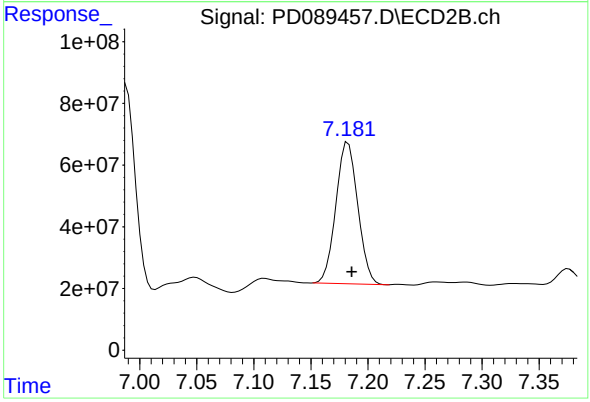
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 828425206
Conc: 38.35 ng/ml



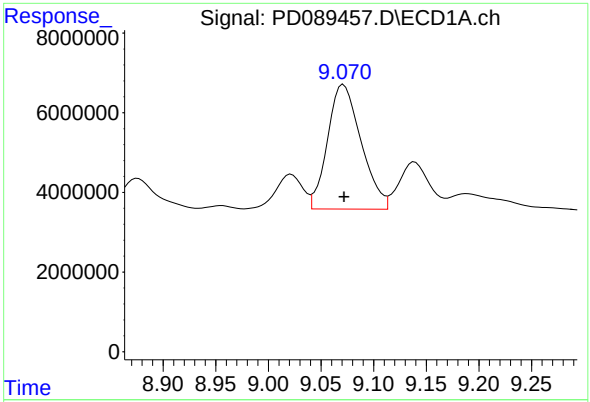
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.002 min
Response: 116563710
Conc: 38.34 ng/ml m



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 613284121
Conc: 36.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 68805107
Conc: 17.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

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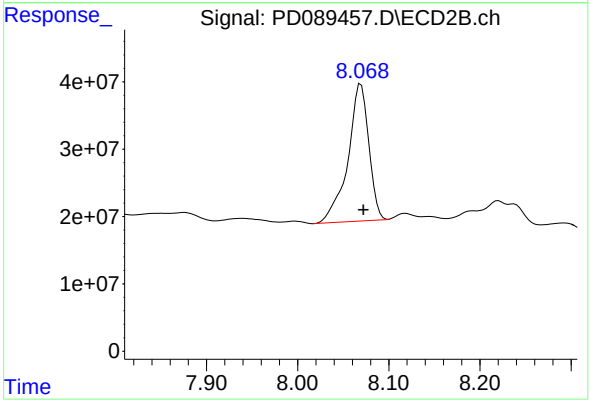


#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 323320126
Conc: 16.35 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	LP-7102025MSD	SDG No.:	Q2555
Lab Sample ID:	Q2560-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089458.D	1	07/11/25 08:20	07/11/25 14:09	PB168810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00015	0.00039	0.0020	mg/Kg
319-85-7	beta-BHC	0.022	P	0.00021	0.00098	0.0020	mg/Kg
319-86-8	delta-BHC	0.018		0.00046	0.00098	0.0020	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.020		0.00017	0.00039	0.0020	mg/Kg
76-44-8	Heptachlor	0.017		0.00014	0.00039	0.0020	mg/Kg
309-00-2	Aldrin	0.018		0.00014	0.00039	0.0020	mg/Kg
1024-57-3	Heptachlor epoxide	0.020		0.00023	0.00098	0.0020	mg/Kg
959-98-8	Endosulfan I	0.018		0.00017	0.00039	0.0020	mg/Kg
60-57-1	Dieldrin	0.018		0.00017	0.00039	0.0020	mg/Kg
72-55-9	4,4-DDE	0.017		0.00017	0.00039	0.0020	mg/Kg
72-20-8	Endrin	0.017		0.00017	0.00039	0.0020	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00034	0.00098	0.0020	mg/Kg
72-54-8	4,4-DDD	0.018		0.00018	0.00039	0.0020	mg/Kg
1031-07-8	Endosulfan Sulfate	0.016		0.00015	0.00039	0.0020	mg/Kg
50-29-3	4,4-DDT	0.017		0.00017	0.00039	0.0020	mg/Kg
72-43-5	Methoxychlor	0.018		0.00044	0.00098	0.0020	mg/Kg
53494-70-5	Endrin ketone	0.016		0.00023	0.00098	0.0020	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00044	0.00098	0.0020	mg/Kg
5103-71-9	alpha-Chlordane	0.024		0.00014	0.00039	0.0020	mg/Kg
5103-74-2	gamma-Chlordane	0.020		0.00018	0.00039	0.0020	mg/Kg
8001-35-2	Toxaphene	0.020	U	0.0064	0.020	0.039	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.0		55 - 130		85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		42 - 129		102%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	LP-7102025MSD	SDG No.:	Q2555
Lab Sample ID:	Q2560-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089458.D	1	07/11/25 08:20	07/11/25 14:09	PB168810

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\PD071125\
Data File : PD089458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 14:09
Operator : AR\AJ
Sample : Q2560-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	43113689	346.4E6	15.111m	20.432m#
28)	SA Decachlor...	9.069	8.069	66636288	322.0E6	16.966m	16.289
	Target Compounds						
2)	A alpha-BHC	3.999	3.391	242.7E6	1178.6E6	41.630	43.983m
3)	MA gamma-BHC...	4.329	3.728	283.1E6	1045.4E6	50.714	42.226
4)	MA Heptachlor	4.927	4.080	231.8E6	1065.7E6	42.521m	42.564m
5)	MB Aldrin	5.270	4.367	246.6E6	1070.7E6	46.411	44.213
6)	B beta-BHC	4.516	4.024	66461844	605.9E6	30.112	56.384m#
7)	B delta-BHC	4.764	4.261	226.3E6	1102.0E6	44.091	44.303
8)	B Heptachlo...	5.689	4.870	235.2E6	1094.4E6	48.763m	49.976m
9)	A Endosulfan I	6.073	5.246	202.9E6	874.9E6	45.024	41.978m
10)	B gamma-Chl...	5.945	5.123	243.2E6	1231.5E6	50.799	51.476m
11)	B alpha-Chl...	6.027	5.189	294.7E6	1404.7E6	60.910	61.349
12)	B 4,4'-DDE	6.196	5.372	155.4E6	986.8E6	35.644	43.060m
13)	MA Dieldrin	6.346	5.510	207.3E6	1044.6E6	43.214	45.008m
14)	MA Endrin	6.573	5.786	168.4E6	951.7E6	40.809	43.828m
15)	B Endosulfa...	6.785	6.078	162.1E6	981.5E6	40.150	48.597m
16)	A 4,4'-DDD	6.702	5.927	153.6E6	709.7E6	44.753m	37.102m
17)	MA 4,4'-DDT	7.020	6.182	163.8E6	890.2E6	43.242	43.897
18)	B Endrin al...	6.914	6.257	125.2E6	684.8E6	40.855	44.724
19)	B Endosulfa...	7.148	6.481	151.7E6	811.9E6	39.538	41.382
20)	A Methoxychlor	7.491	6.752	89373796	428.9E6	44.231m	39.834
21)	B Endrin ke...	7.629	6.989	160.6E6	818.0E6	39.431	37.866
22)	Mirex	8.111	7.184	120.0E6	604.3E6	39.458m	36.231

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

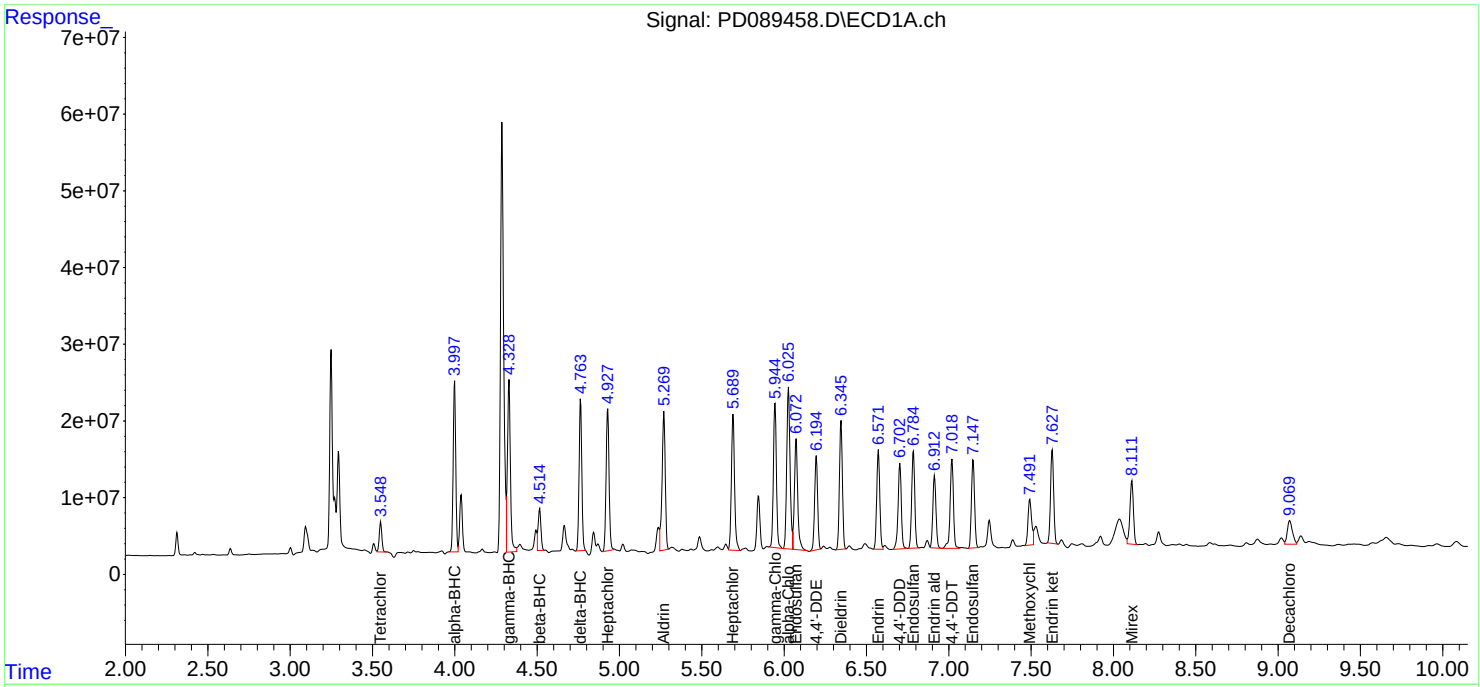
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 14:09
Operator : AR\AJ
Sample : Q2560-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

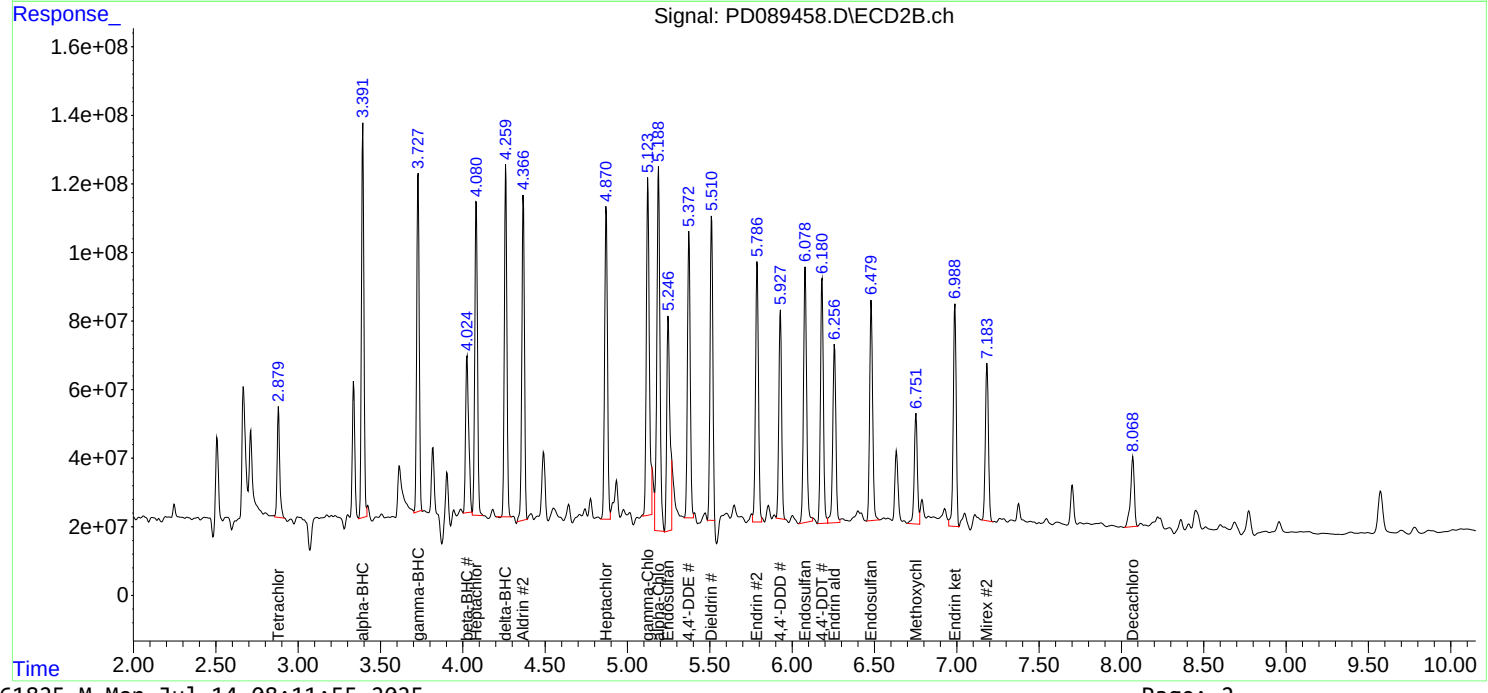
Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

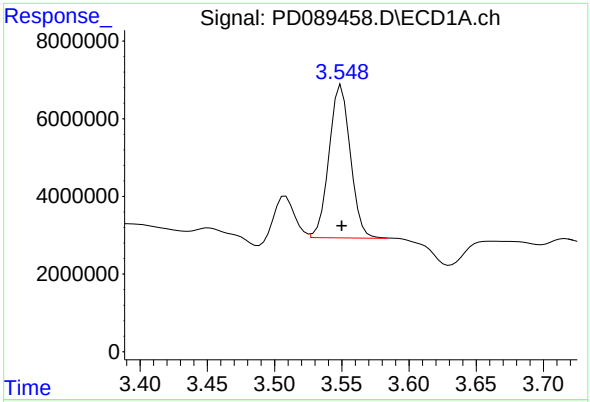
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: -0.002 min
Response: 43113689
Conc: 15.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

Manual Integrations APPROVED

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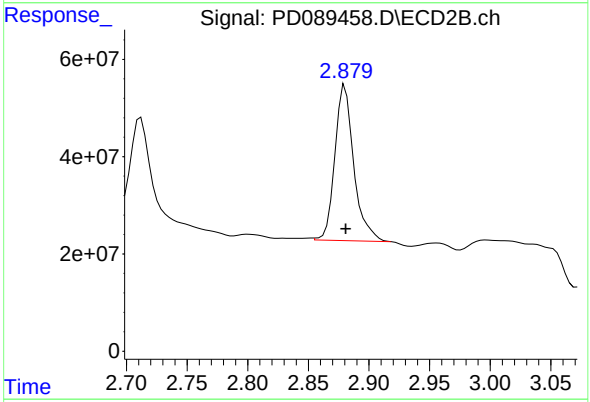
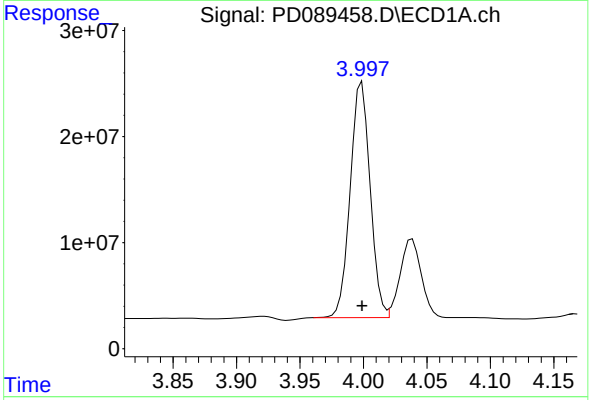


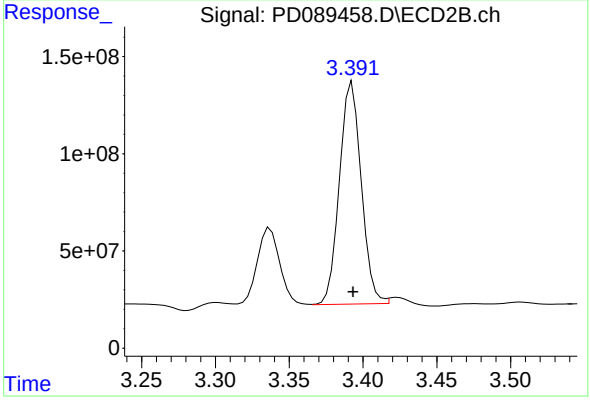
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 346390032
Conc: 20.43 ng/ml m



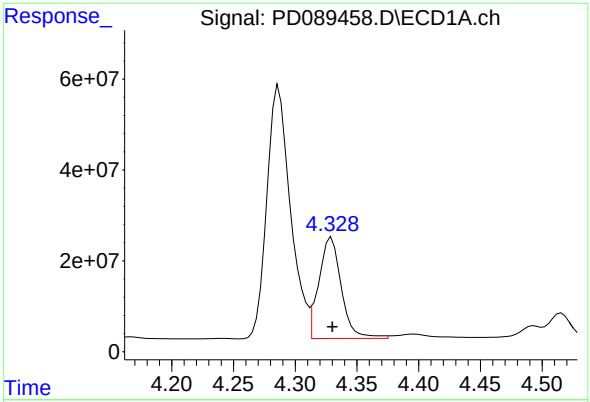
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 242663940
Conc: 41.63 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 1178613583
Conc: 43.98 ng/ml m



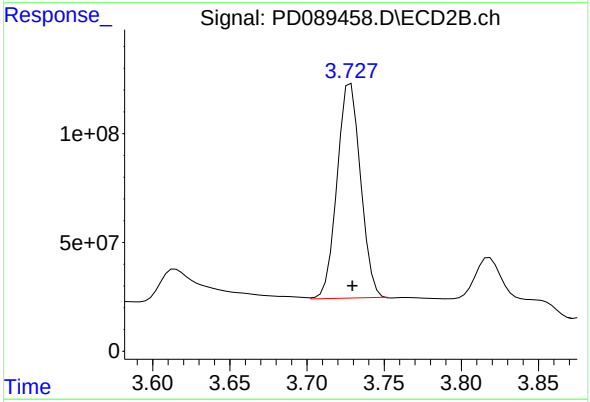
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 283071284
Conc: 50.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

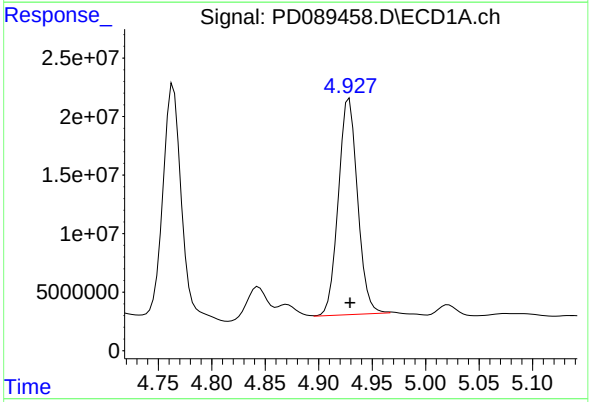
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



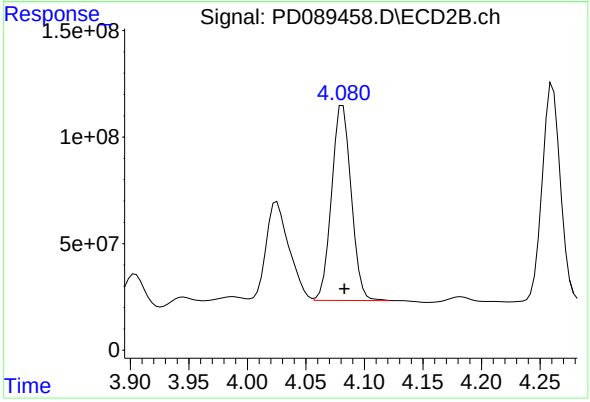
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1045388945
Conc: 42.23 ng/ml



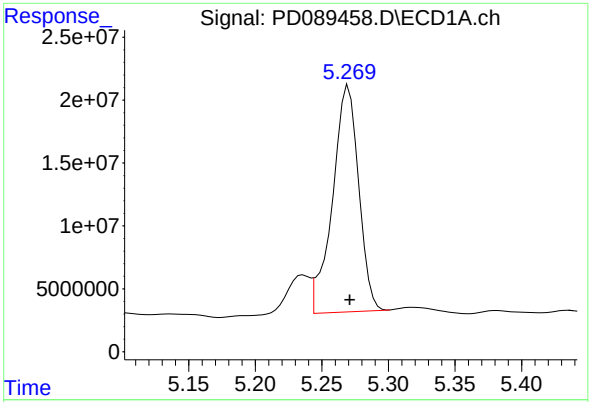
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: -0.002 min
Response: 231822972
Conc: 42.52 ng/ml m



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: -0.003 min
Response: 1065722086
Conc: 42.56 ng/ml m



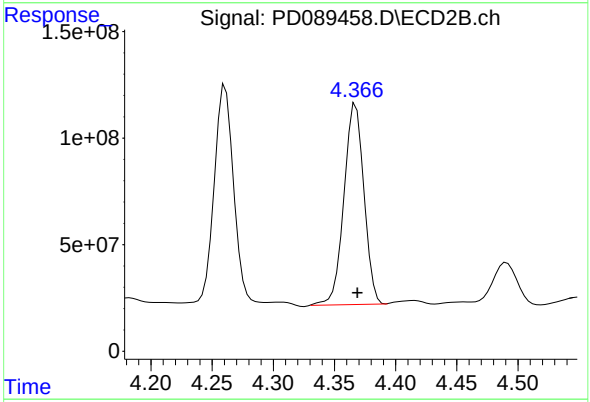
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 246579065
Conc: 46.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

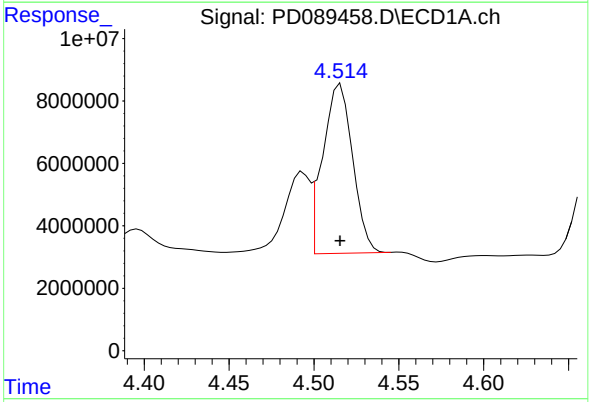
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



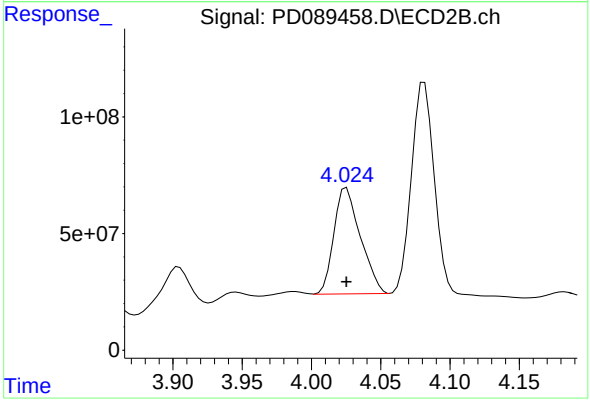
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.001 min
Response: 1070721785
Conc: 44.21 ng/ml



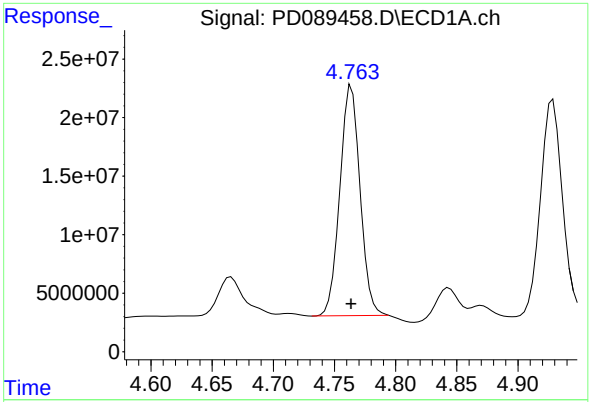
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 66461844
Conc: 30.11 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 605917527
Conc: 56.38 ng/ml m



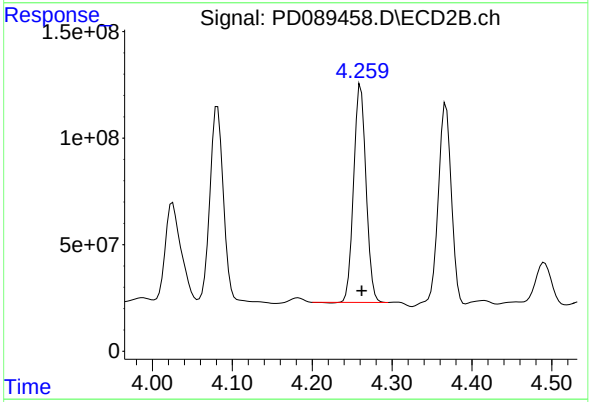
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 226312980
Conc: 44.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

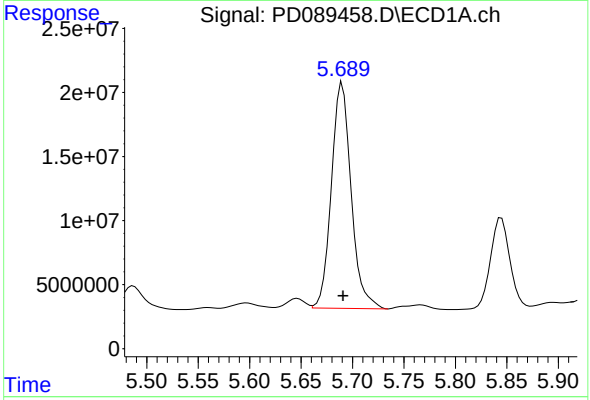
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



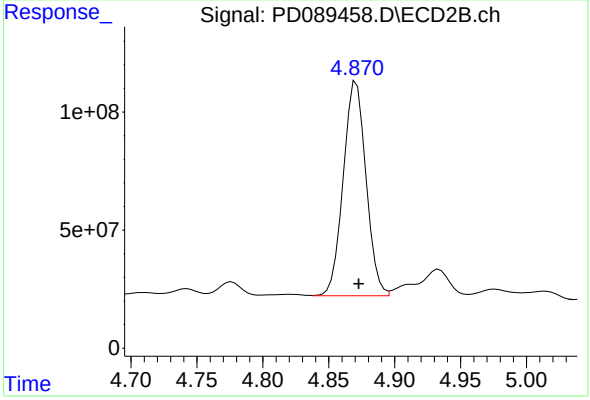
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1101977808
Conc: 44.30 ng/ml



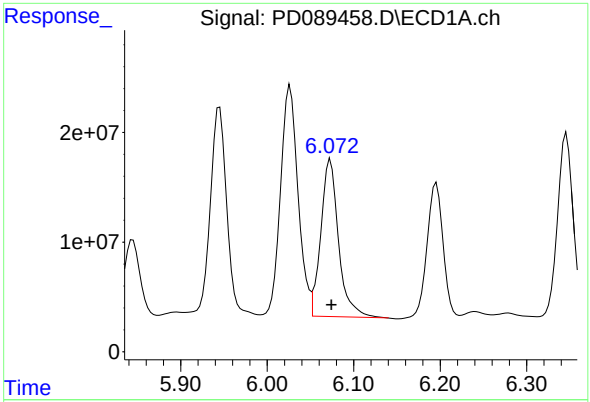
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.002 min
Response: 235230259
Conc: 48.76 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.003 min
Response: 1094382772
Conc: 49.98 ng/ml m



#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 202945608
Conc: 45.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
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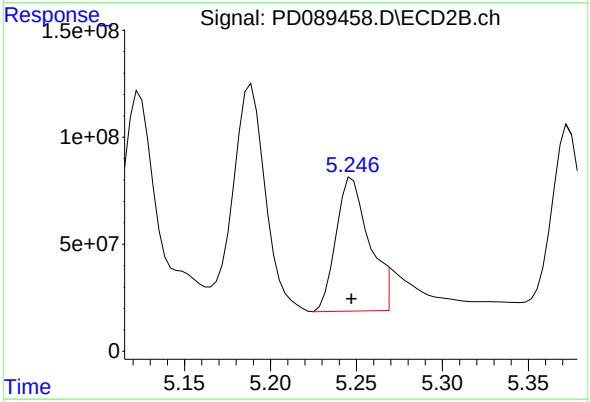
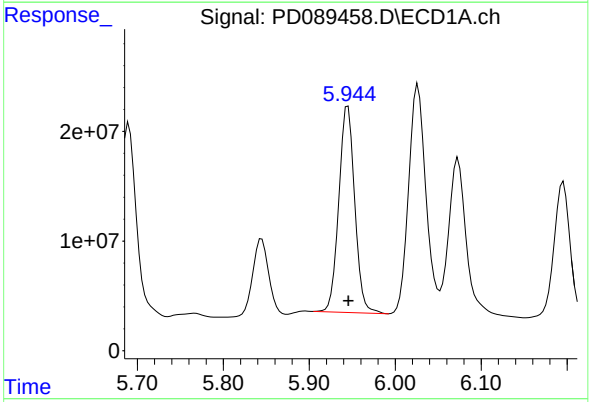


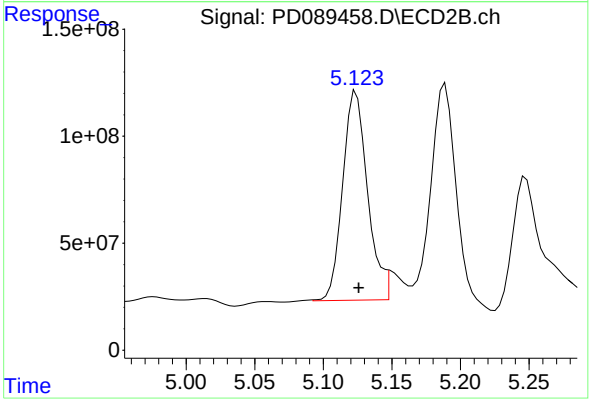
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 874923766
Conc: 41.98 ng/ml m



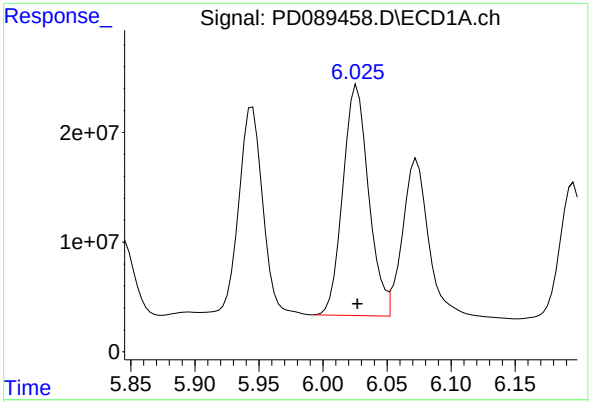
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 243229736
Conc: 50.80 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: -0.003 min
Response: 1231452418
Conc: 51.48 ng/ml m



#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 294717625
Conc: 60.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

Manual Integrations APPROVED

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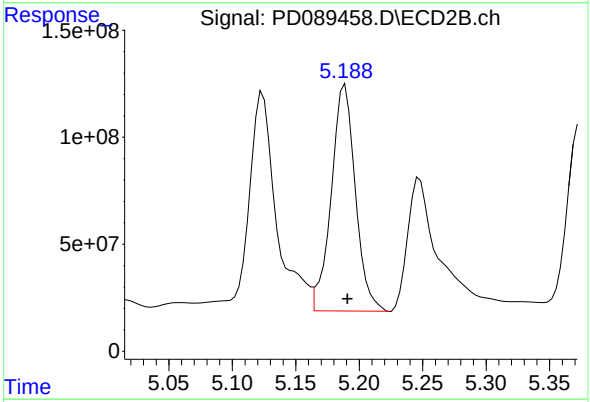
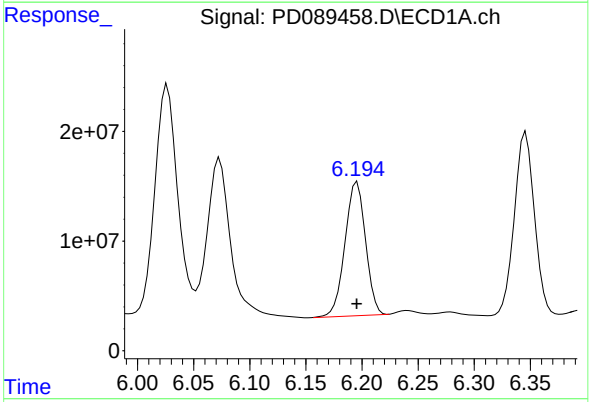


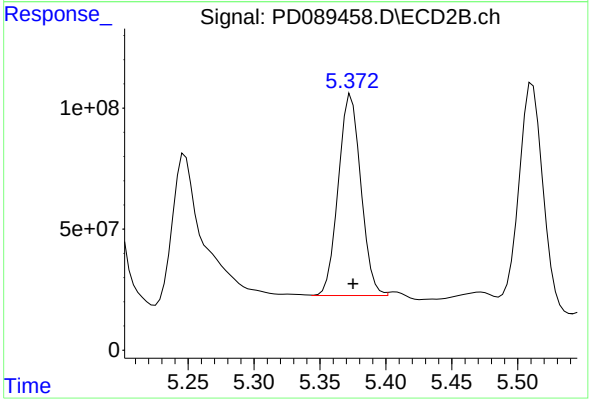
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 1404698628
Conc: 61.35 ng/ml



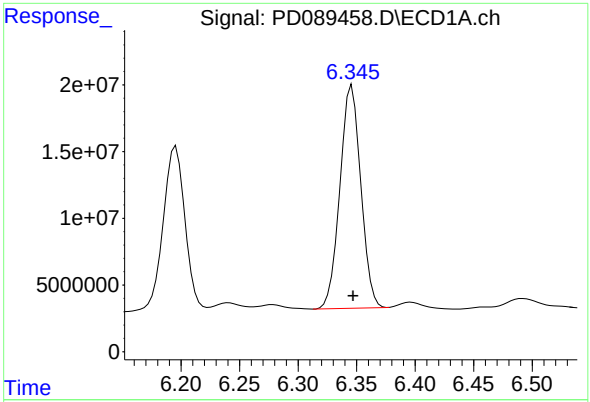
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 155442672
Conc: 35.64 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 986772134
Conc: 43.06 ng/ml m



#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 207318411
Conc: 43.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

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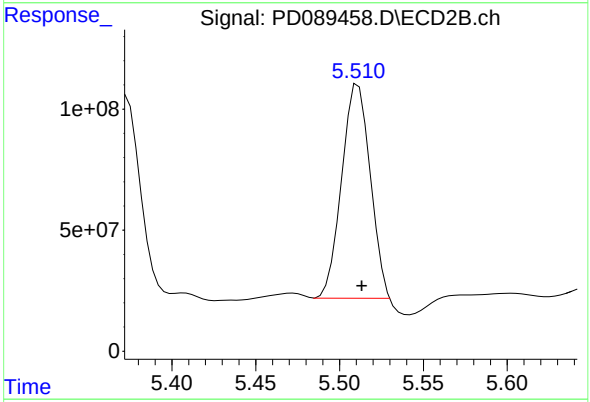
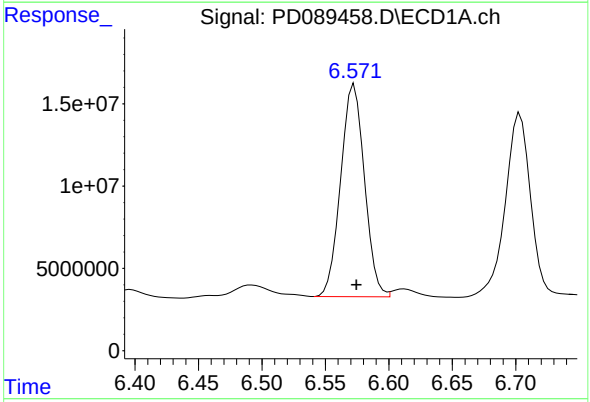
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



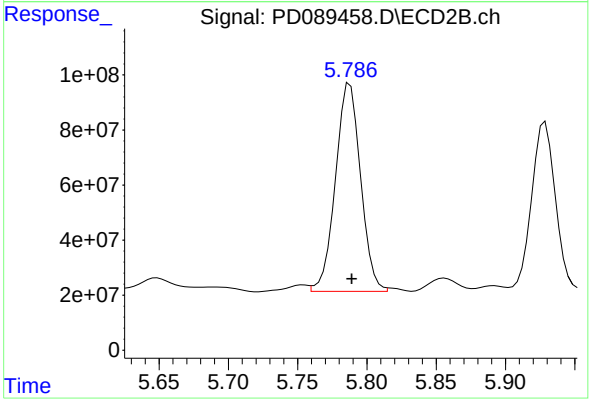
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 1044578242
Conc: 45.01 ng/ml m



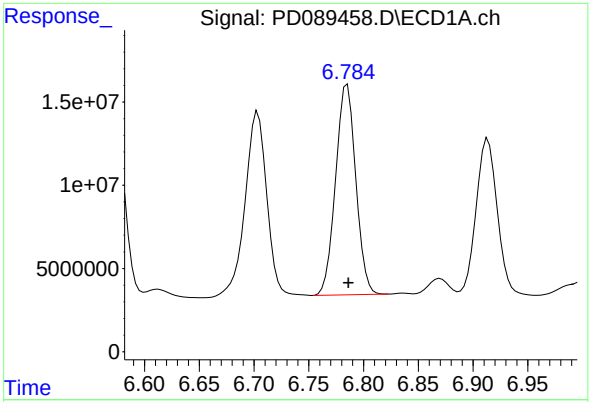
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.002 min
Response: 168360067
Conc: 40.81 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 951676628
Conc: 43.83 ng/ml m



#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 162070646
Conc: 40.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

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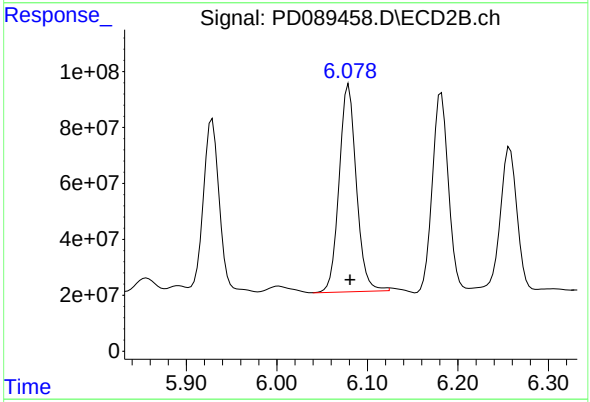
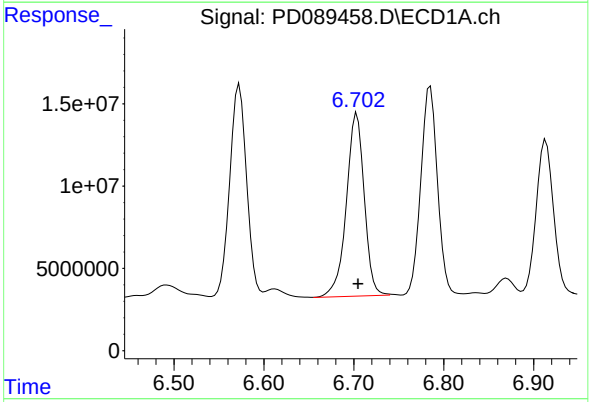
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



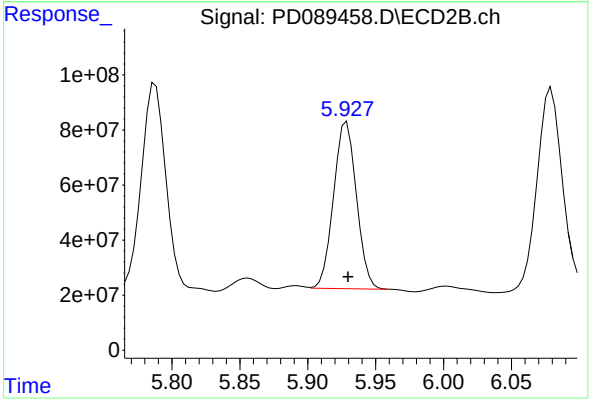
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 981487742
Conc: 48.60 ng/ml m



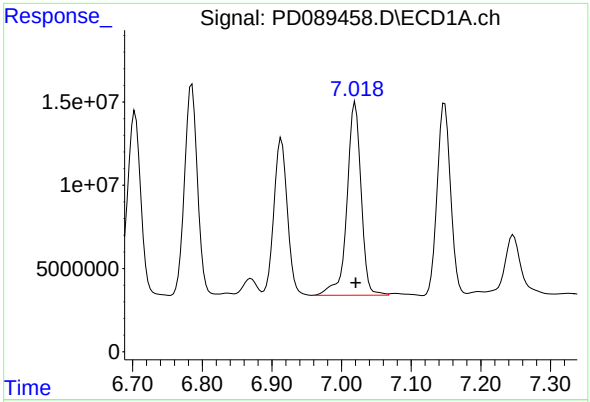
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.003 min
Response: 153594445
Conc: 44.75 ng/ml m



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.002 min
Response: 709747785
Conc: 37.10 ng/ml m



#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 163810212
Conc: 43.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

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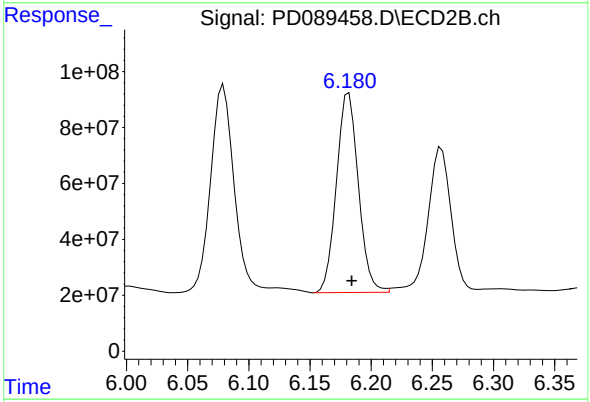
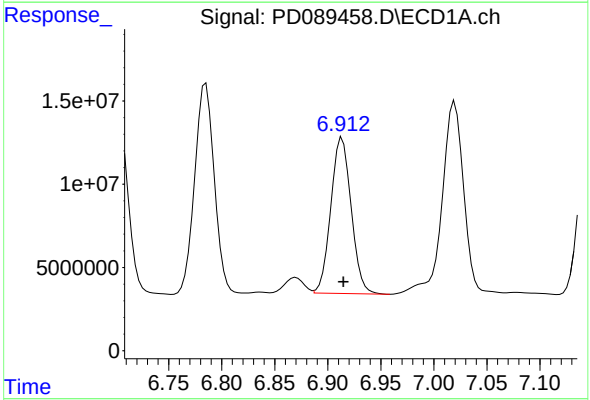
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



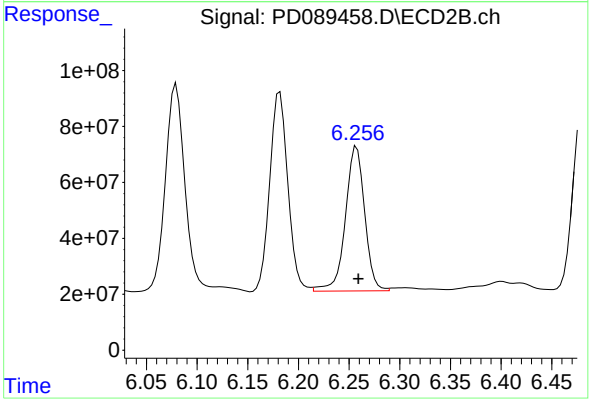
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 890209679
Conc: 43.90 ng/ml



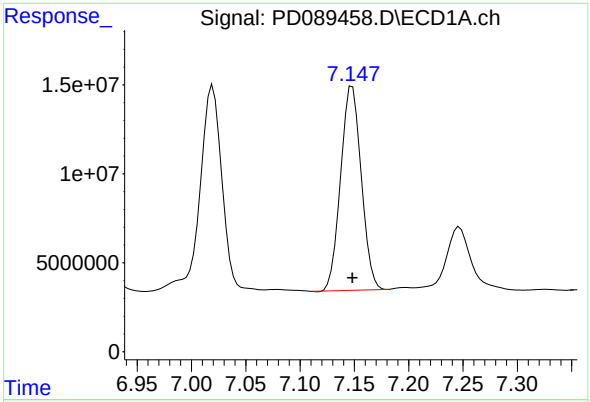
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.001 min
Response: 125177905
Conc: 40.86 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 684791153
Conc: 44.72 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 151715564
Conc: 39.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

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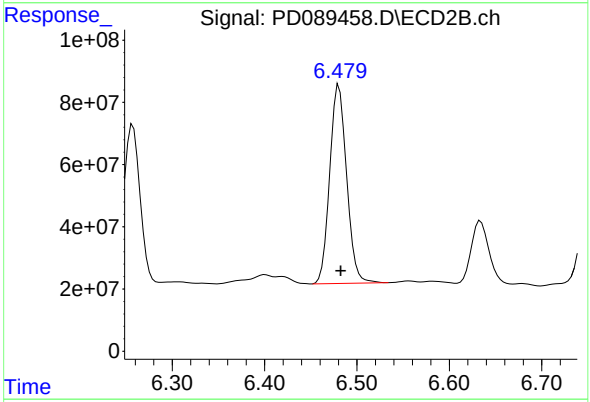
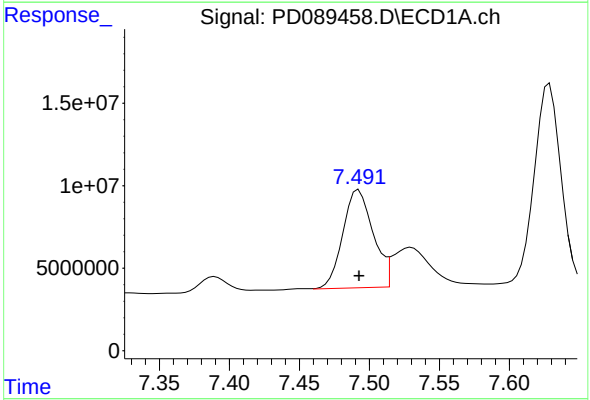
Supervised By :mohammad ahmed 07/15/2025



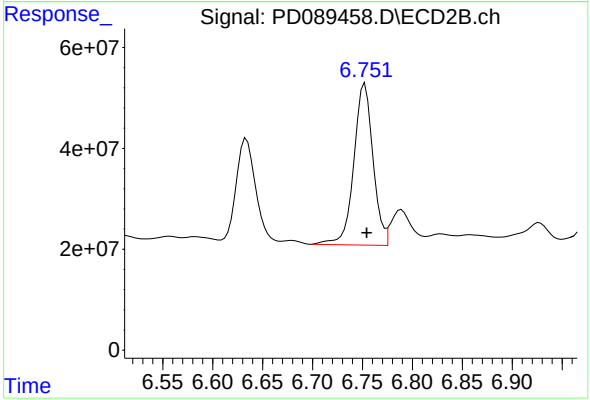
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.002 min
Response: 811949854
Conc: 41.38 ng/ml



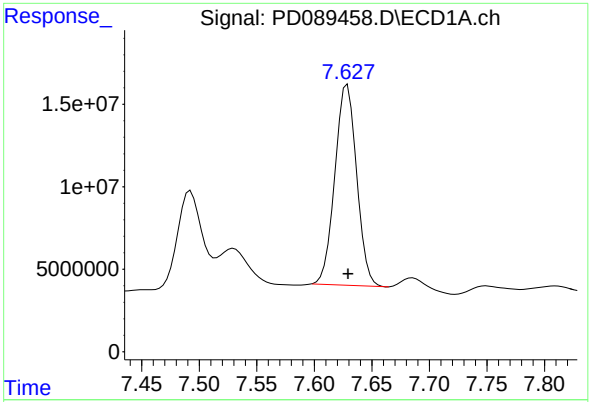
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.002 min
Response: 89373796
Conc: 44.23 ng/ml m



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 428935225
Conc: 39.83 ng/ml



#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 160603830
Conc: 39.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

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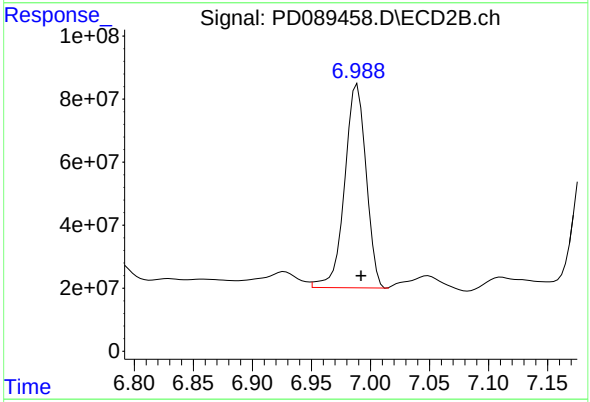
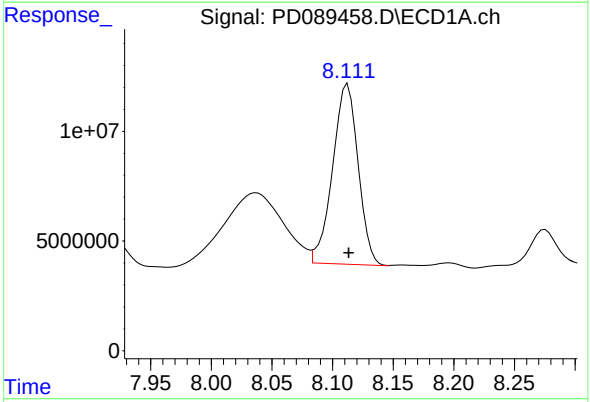
Supervised By :mohammad ahmed 07/15/2025



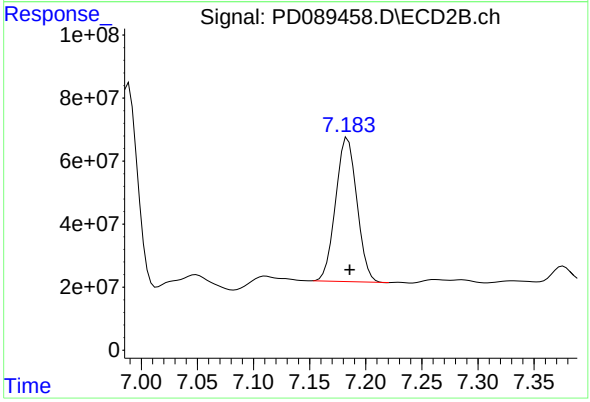
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 817964404
Conc: 37.87 ng/ml



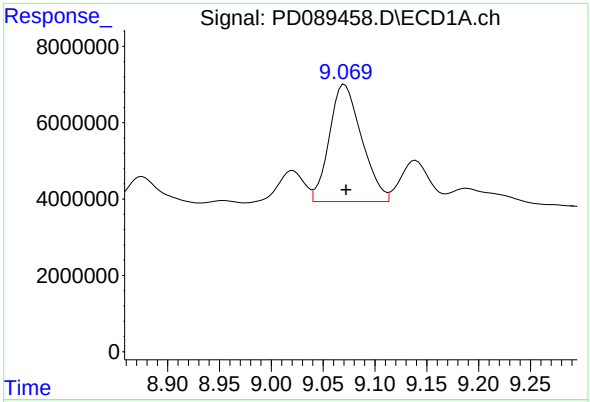
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.002 min
Response: 119957466
Conc: 39.46 ng/ml m



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 604268462
Conc: 36.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 66636288
Conc: 16.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

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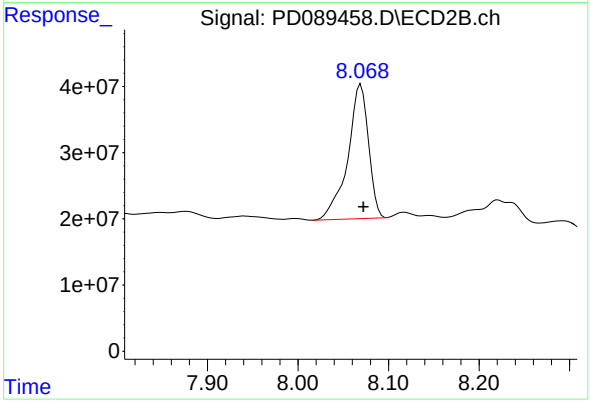
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 322034876
Conc: 16.29 ng/ml

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Manual Integration Report

Sequence:	PD061825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088991.D	4,4"-DDD	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	4,4"-DDD #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	beta-BHC	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin aldehyde	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin aldehyde #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin ketone	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin ketone #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC025	PD088996.D	Endrin #2	Abdul	6/18/2025 8:40:24 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC005	PD088997.D	Endrin #2	Abdul	6/18/2025 8:40:30 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC005	PD088997.D	Endrin ketone #2	Abdul	6/18/2025 8:40:30 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd071125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089451.D	4,4"-DDE	Abdul	7/14/2025 8:37:51 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PEM	PD089451.D	Endrin aldehyde #2	Abdul	7/14/2025 8:37:51 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089452.D	Dieldrin #2	Abdul	7/14/2025 8:37:54 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089452.D	gamma-BHC (Lindane) #2	Abdul	7/14/2025 8:37:54 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PB168810BL	PD089453.D	Tetrachloro-m-xylene #2	Abdul	7/14/2025 8:37:56 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PB168810BS	PD089454.D	gamma-BHC (Lindane) #2	Abdul	7/14/2025 8:37:59 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PB168810BS	PD089454.D	Heptachlor epoxide #2	Abdul	7/14/2025 8:37:59 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	4,4"-DDD	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	4,4"-DDD #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	4,4"-DDE #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	alpha-BHC #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	beta-BHC #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Decachlorobiphenyl	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd071125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2560-01MS	PD089457.D	Dieldrin #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Endosulfan I #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Endosulfan II #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Endrin #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Endrin aldehyde #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	gamma-BHC (Lindane)	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	gamma-Chlordane #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Heptachlor #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Heptachlor epoxide	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Heptachlor epoxide #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Methoxychlor	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Mirex	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MS	PD089457.D	Tetrachloro-m-xylene	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd071125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2560-01MS	PD089457.D	Tetrachloro-m-xylene #2	Abdul	7/14/2025 8:38:05 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	4,4"-DDD	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	4,4"-DDD #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	4,4"-DDE #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	alpha-BHC #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	beta-BHC #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Decachlorobiphenyl	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Dieldrin #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Endosulfan I #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Endosulfan II #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Endrin #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	gamma-Chlordane #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Heptachlor	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd071125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2560-01MSD	PD089458.D	Heptachlor #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Heptachlor epoxide	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Heptachlor epoxide #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Methoxychlor	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Mirex	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Tetrachloro-m-xylene	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
Q2560-01MSD	PD089458.D	Tetrachloro-m-xylene #2	Abdul	7/14/2025 8:38:09 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
I.BLK	PD089462.D	Decachlorobiphenyl #2	Abdul	7/14/2025 8:38:21 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089463.D	Dieldrin #2	Abdul	7/14/2025 8:38:24 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089463.D	gamma-BHC (Lindane) #2	Abdul	7/14/2025 8:38:24 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089463.D	gamma-Chlordane #2	Abdul	7/14/2025 8:38:24 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089463.D	Heptachlor epoxide #2	Abdul	7/14/2025 8:38:24 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089471.D	Dieldrin #2	Abdul	7/14/2025 8:38:46 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd071125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD089471.D	gamma-BHC (Lindane) #2	Abdul	7/14/2025 8:38:46 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089471.D	gamma-Chlordane #2	Abdul	7/14/2025 8:38:46 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software
PSTDCCC050	PD089471.D	Heptachlor epoxide #2	Abdul	7/14/2025 8:38:46 AM	mohammad	7/15/2025 1:40:55	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd071425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089474.D	4,4"-DDE	Abdul	7/16/2025 9:14:46 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PEM	PD089474.D	4,4"-DDE #2	Abdul	7/16/2025 9:14:46 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PEM	PD089474.D	alpha-BHC #2	Abdul	7/16/2025 9:14:46 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PEM	PD089474.D	Endrin ketone	Abdul	7/16/2025 9:14:46 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PEM	PD089474.D	gamma-BHC (Lindane) #2	Abdul	7/16/2025 9:14:46 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PCHLORCCC500	PD089476.D	Chlordane-1	Abdul	7/16/2025 9:14:49 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PTOXCCC500	PD089477.D	Toxaphene-5	Abdul	7/16/2025 9:14:53 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PCHLORCCC500	PD089482.D	Chlordane-1	Abdul	7/16/2025 9:15:02 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
Q2555-01	PD089485.D	4,4"-DDE	Abdul	7/16/2025 9:13:20 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
Q2555-01	PD089485.D	4,4"-DDT	Abdul	7/16/2025 9:13:20 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
Q2555-01	PD089485.D	alpha-Chlordane	Abdul	7/16/2025 9:13:20 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
Q2555-01	PD089485.D	Tetrachloro-m-xylene	Abdul	7/16/2025 9:13:20 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
Q2555-03	PD089486.D	alpha-Chlordane #2	Abdul	7/22/2025 9:33:07 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd071425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2555-03	PD089486.D	gamma-Chlordane #2	Abdul	7/22/2025 9:33:07 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
Q2555-03	PD089486.D	Tetrachloro-m-xylene #2	Abdul	7/22/2025 9:33:07 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PCHLORCCC500	PD089491.D	Chlordane-1	Abdul	7/16/2025 9:13:32 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software
PTOXCCC500	PD089492.D	Toxaphene-5	Abdul	7/16/2025 9:13:35 AM	mohammad	7/22/2025 9:35:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD072125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089538.D	Endrin ketone	Abdul	7/22/2025 8:00:42 AM	mohammad	7/23/2025 1:33:20	Peak Integrated by Software
PEM	PD089538.D	Endrin ketone #2	Abdul	7/22/2025 8:00:42 AM	mohammad	7/23/2025 1:33:20	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd072425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089592.D	4,4"-DDD	Abdul	7/24/2025 8:33:14 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software
PEM	PD089592.D	Endrin ketone	Abdul	7/24/2025 8:33:14 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software
PEM	PD089592.D	Endrin ketone #2	Abdul	7/24/2025 8:33:14 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software
PTOXCCC500	PD089603.D	Toxaphene-5	Abdul	7/24/2025 8:33:21 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software
Q2555-01RE	PD089604.D	4,4"-DDE	Abdul	7/24/2025 8:33:24 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software
Q2555-01RE	PD089604.D	alpha-Chlordane	Abdul	7/24/2025 8:33:24 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software
Q2555-01RE	PD089604.D	Tetrachloro-m-xylene	Abdul	7/24/2025 8:33:24 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software
Q2555-01RE	PD089604.D	Tetrachloro-m-xylene #2	Abdul	7/24/2025 8:33:24 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software
Q2555-03RE	PD089605.D	Tetrachloro-m-xylene #2	Abdul	7/24/2025 8:33:27 AM	mohammad	7/24/2025 8:58:17	Peak Integrated by Software

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 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	PD088989.D	17 Jun 2025 14:58	AR\AJ	Ok
2	I.BLK	PD088990.D	17 Jun 2025 15:11	AR\AJ	Ok
3	PEM	PD088991.D	17 Jun 2025 15:25	AR\AJ	Ok,M
4	RESCHK	PD088992.D	17 Jun 2025 15:39	AR\AJ	Ok
5	PSTDICC100	PD088993.D	17 Jun 2025 15:52	AR\AJ	Ok
6	PSTDICC075	PD088994.D	17 Jun 2025 16:06	AR\AJ	Ok
7	PSTDICC050	PD088995.D	17 Jun 2025 16:20	AR\AJ	Ok
8	PSTDICC025	PD088996.D	17 Jun 2025 16:33	AR\AJ	Ok,M
9	PSTDICC005	PD088997.D	17 Jun 2025 16:47	AR\AJ	Ok,M
10	PCHLORICC1000	PD088998.D	17 Jun 2025 17:00	AR\AJ	Ok
11	PCHLORICC750	PD088999.D	17 Jun 2025 17:14	AR\AJ	Ok
12	PCHLORICC500	PD089000.D	17 Jun 2025 17:28	AR\AJ	Ok
13	PCHLORICC250	PD089001.D	17 Jun 2025 17:41	AR\AJ	Ok
14	PCHLORICC050	PD089002.D	17 Jun 2025 17:55	AR\AJ	Ok
15	PTOXICC1000	PD089003.D	17 Jun 2025 18:09	AR\AJ	Ok
16	PTOXICC750	PD089004.D	17 Jun 2025 18:22	AR\AJ	Ok
17	PTOXICC500	PD089005.D	17 Jun 2025 18:36	AR\AJ	Ok
18	PTOXICC250	PD089006.D	17 Jun 2025 18:50	AR\AJ	Ok
19	PTOXICC100	PD089007.D	17 Jun 2025 19:03	AR\AJ	Ok,M
20	PSTDICV050	PD089008.D	17 Jun 2025 19:17	AR\AJ	Ok
21	PCHLORICV500	PD089009.D	17 Jun 2025 19:31	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 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	PD089010.D	17 Jun 2025 19:44	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD071125

Review By	Abdul	Review On	7/14/2025 8:39:05 AM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:55 AM		
SubDirectory	PD071125	HP Acquire Method		HP Processing Method	pd061825 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	PD089449.D	11 Jul 2025 09:53	AR\AJ	Ok
2	I.BLK	PD089450.D	11 Jul 2025 10:06	AR\AJ	Ok
3	PEM	PD089451.D	11 Jul 2025 10:20	AR\AJ	Ok,M
4	PSTDCCC050	PD089452.D	11 Jul 2025 11:25	AR\AJ	Ok,M
5	PB168810BL	PD089453.D	11 Jul 2025 13:01	AR\AJ	Ok,M
6	PB168810BS	PD089454.D	11 Jul 2025 13:15	AR\AJ	Ok,M
7	Q2559-01	PD089455.D	11 Jul 2025 13:28	AR\AJ	Ok
8	Q2560-01	PD089456.D	11 Jul 2025 13:42	AR\AJ	Ok,M
9	Q2560-01MS	PD089457.D	11 Jul 2025 13:56	AR\AJ	Ok,M
10	Q2560-01MSD	PD089458.D	11 Jul 2025 14:09	AR\AJ	Ok,M
11	Q2564-01	PD089459.D	11 Jul 2025 14:23	AR\AJ	Ok,M
12	Q2564-03	PD089460.D	11 Jul 2025 14:36	AR\AJ	Ok,M
13	Q2564-05	PD089461.D	11 Jul 2025 14:50	AR\AJ	Dilution
14	I.BLK	PD089462.D	11 Jul 2025 15:04	AR\AJ	Ok,M
15	PSTDCCC050	PD089463.D	11 Jul 2025 15:17	AR\AJ	Ok,M
16	Q2565-02	PD089464.D	11 Jul 2025 15:31	AR\AJ	Ok,M
17	Q2565-04	PD089465.D	11 Jul 2025 15:45	AR\AJ	Ok,M
18	Q2565-05	PD089466.D	11 Jul 2025 15:58	AR\AJ	Ok
19	Q2565-03	PD089467.D	11 Jul 2025 16:12	AR\AJ	Ok,M
20	Q2571-01	PD089468.D	11 Jul 2025 16:26	AR\AJ	Ok,M
21	Q2571-05	PD089469.D	11 Jul 2025 16:40	AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD071125

Review By	Abdul	Review On	7/14/2025 8:39:05 AM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:55 AM		
SubDirectory	PD071125	HP Acquire Method		HP Processing Method	pd061825 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	I.BLK	PD089470.D	11 Jul 2025 16:53	AR\AJ	Ok
23	PSTDCCC050	PD089471.D	11 Jul 2025 18:16	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD071425

Review By	Abdul	Review On	7/16/2025 9:15:27 AM		
Supervise By	mohammad	Supervise On	7/22/2025 9:35:12 AM		
SubDirectory	PD071425	HP Acquire Method		HP Processing Method	pd061825 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	PD089472.D	14 Jul 2025 09:45	AR\AJ	Ok
2	I.BLK	PD089473.D	14 Jul 2025 10:13	AR\AJ	Ok
3	PEM	PD089474.D	14 Jul 2025 10:57	AR\AJ	Ok,M
4	PSTDCCC050	PD089475.D	14 Jul 2025 11:11	AR\AJ	Ok
5	PCHLORCCC500	PD089476.D	14 Jul 2025 12:42	AR\AJ	Ok,M
6	PTOXCCC500	PD089477.D	14 Jul 2025 14:11	AR\AJ	Ok,M
7	PB168810BS	PD089478.D	14 Jul 2025 14:28	AR\AJ	Ok,M
8	PB168810BS	PD089479.D	14 Jul 2025 16:00	AR\AJ	Ok,M
9	I.BLK	PD089480.D	14 Jul 2025 16:44	AR\AJ	Ok
10	PSTDCCC050	PD089481.D	14 Jul 2025 16:58	AR\AJ	Ok
11	PCHLORCCC500	PD089482.D	14 Jul 2025 17:39	AR\AJ	Ok,M
12	PTOXCCC500	PD089483.D	14 Jul 2025 17:54	AR\AJ	Ok
13	Q2564-05DL	PD089484.D	14 Jul 2025 18:43	AR\AJ	Ok,M
14	Q2555-01	PD089485.D	14 Jul 2025 19:01	AR\AJ	ReRun
15	Q2555-03	PD089486.D	14 Jul 2025 19:14	AR\AJ	ReRun
16	Q2558-01	PD089487.D	14 Jul 2025 19:28	AR\AJ	Ok,M
17	Q2558-03	PD089488.D	14 Jul 2025 19:42	AR\AJ	ReRun
18	I.BLK	PD089489.D	14 Jul 2025 19:55	AR\AJ	Ok
19	PSTDCCC050	PD089490.D	14 Jul 2025 20:09	AR\AJ	Ok
20	PCHLORCCC500	PD089491.D	14 Jul 2025 20:23	AR\AJ	Ok,M
21	PTOXCCC500	PD089492.D	14 Jul 2025 20:36	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089536.D	21 Jul 2025 11:27	AR\AJ	Ok
2	I.BLK	PD089537.D	21 Jul 2025 12:08	AR\AJ	Ok
3	PEM	PD089538.D	21 Jul 2025 12:22	AR\AJ	Ok,M
4	RESCHK	PD089539.D	21 Jul 2025 12:35	AR\AJ	Ok
5	PSTDICC100	PD089540.D	21 Jul 2025 12:49	AR\AJ	Ok
6	PSTDICC075	PD089541.D	21 Jul 2025 13:03	AR\AJ	Ok
7	PSTDICC050	PD089542.D	21 Jul 2025 13:16	AR\AJ	Ok
8	PSTDICC025	PD089543.D	21 Jul 2025 13:30	AR\AJ	Ok
9	PSTDICC005	PD089544.D	21 Jul 2025 13:44	AR\AJ	Ok
10	PCHLORICC1000	PD089545.D	21 Jul 2025 13:57	AR\AJ	Ok
11	PCHLORICC750	PD089546.D	21 Jul 2025 14:11	AR\AJ	Ok
12	PCHLORICC500	PD089547.D	21 Jul 2025 14:25	AR\AJ	Ok
13	PCHLORICC250	PD089548.D	21 Jul 2025 14:38	AR\AJ	Ok
14	PCHLORICC050	PD089549.D	21 Jul 2025 14:52	AR\AJ	Ok
15	PTOXICC1000	PD089550.D	21 Jul 2025 15:05	AR\AJ	Ok
16	PTOXICC750	PD089551.D	21 Jul 2025 15:19	AR\AJ	Ok
17	PTOXICC500	PD089552.D	21 Jul 2025 15:32	AR\AJ	Ok
18	PTOXICC250	PD089553.D	21 Jul 2025 15:46	AR\AJ	Ok,M
19	PTOXICC100	PD089554.D	21 Jul 2025 15:59	AR\AJ	Ok
20	PSTDICV050	PD089555.D	21 Jul 2025 16:25	AR\AJ	Ok
21	PCHLORICV500	PD089556.D	21 Jul 2025 16:39	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PD089557.D	21 Jul 2025 16:52	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072425

Review By	Abdul	Review On	7/24/2025 9:20:07 AM		
Supervise By	mohammad	Supervise On	7/24/2025 9:21:10 AM		
SubDirectory	PD072425	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089590.D	23 Jul 2025 12:22	AR\AJ	Ok
2	I.BLK	PD089591.D	23 Jul 2025 12:35	AR\AJ	Ok
3	PEM	PD089592.D	23 Jul 2025 12:49	AR\AJ	Ok,M
4	PSTDCCC050	PD089593.D	23 Jul 2025 13:02	AR\AJ	Ok
5	PCHLORCCC500	PD089594.D	23 Jul 2025 13:39	AR\AJ	Ok
6	PTOXCCC500	PD089595.D	23 Jul 2025 13:57	AR\AJ	Ok
7	PB168922BL	PD089596.D	23 Jul 2025 14:18	AR\AJ	Ok
8	PB168922BS	PD089597.D	23 Jul 2025 15:19	AR\AJ	Ok
9	PB168922BS	PD089598.D	23 Jul 2025 15:32	AR\AJ	Ok
10	PB168922BS	PD089599.D	23 Jul 2025 15:46	AR\AJ	Ok,M
11	I.BLK	PD089600.D	23 Jul 2025 16:00	AR\AJ	Ok
12	PSTDCCC050	PD089601.D	23 Jul 2025 16:13	AR\AJ	Ok
13	PCHLORCCC500	PD089602.D	23 Jul 2025 16:27	AR\AJ	Ok
14	PTOXCCC500	PD089603.D	23 Jul 2025 16:41	AR\AJ	Ok,M
15	Q2555-01RE	PD089604.D	23 Jul 2025 16:54	AR\AJ	Confirms
16	Q2555-03RE	PD089605.D	23 Jul 2025 17:08	AR\AJ	Confirms
17	Q2633-02	PD089606.D	23 Jul 2025 17:21	AR\AJ	Ok,M
18	PB168972BL	PD089607.D	23 Jul 2025 17:35	AR\AJ	Ok
19	PB168972BS	PD089608.D	23 Jul 2025 17:48	AR\AJ	Not Ok
20	PB168972BSD	PD089609.D	23 Jul 2025 18:02	AR\AJ	Not Ok
21	I.BLK	PD089610.D	23 Jul 2025 18:16	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072425

Review By	Abdul	Review On	7/24/2025 9:20:07 AM		
Supervise By	mohammad	Supervise On	7/24/2025 9:21:10 AM		
SubDirectory	PD072425	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PSTDCCC050	PD089611.D	23 Jul 2025 18:29	AR\AJ	Ok
23	Q2639-01	PD089612.D	23 Jul 2025 18:57	AR\AJ	Ok,M
24	Q2639-03	PD089613.D	23 Jul 2025 19:10	AR\AJ	Ok,M
25	Q2639-05	PD089614.D	23 Jul 2025 19:24	AR\AJ	Ok,M
26	Q2639-07	PD089615.D	23 Jul 2025 19:38	AR\AJ	Ok,M
27	Q2639-09	PD089616.D	23 Jul 2025 19:51	AR\AJ	ReRun
28	Q2639-11	PD089617.D	23 Jul 2025 20:05	AR\AJ	ReRun
29	Q2639-13	PD089618.D	23 Jul 2025 20:19	AR\AJ	ReRun
30	I.BLK	PD089619.D	23 Jul 2025 20:46	AR\AJ	Ok
31	PSTDCCC050	PD089620.D	23 Jul 2025 22:08	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 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	PD088989.D	17 Jun 2025 14:58		AR\AJ	Ok
2	I.BLK	I.BLK	PD088990.D	17 Jun 2025 15:11		AR\AJ	Ok
3	PEM	PEM	PD088991.D	17 Jun 2025 15:25		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088992.D	17 Jun 2025 15:39		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088993.D	17 Jun 2025 15:52		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD088994.D	17 Jun 2025 16:06		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088995.D	17 Jun 2025 16:20		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088996.D	17 Jun 2025 16:33		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PD088997.D	17 Jun 2025 16:47		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088998.D	17 Jun 2025 17:00		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088999.D	17 Jun 2025 17:14		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089000.D	17 Jun 2025 17:28		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089001.D	17 Jun 2025 17:41		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089002.D	17 Jun 2025 17:55		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089003.D	17 Jun 2025 18:09		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089004.D	17 Jun 2025 18:22		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089005.D	17 Jun 2025 18:36		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089006.D	17 Jun 2025 18:50		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 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	PD089007.D	17 Jun 2025 19:03		AR\AJ	Ok,M
20	PSTDICV050	ICVPD061825	PD089008.D	17 Jun 2025 19:17		AR\AJ	Ok
21	PCHLORICV500	ICVPD061825CHLOR	PD089009.D	17 Jun 2025 19:31		AR\AJ	Ok
22	PTOXICV500	ICVPD061825TOX	PD089010.D	17 Jun 2025 19:44		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD071125

Review By	Abdul	Review On	7/14/2025 8:39:05 AM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:55 AM		
SubDirectory	PD071125	HP Acquire Method		HP Processing Method	pd061825 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	PD089449.D	11 Jul 2025 09:53		AR\AJ	Ok
2	I.BLK	I.BLK	PD089450.D	11 Jul 2025 10:06		AR\AJ	Ok
3	PEM	PEM	PD089451.D	11 Jul 2025 10:20		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089452.D	11 Jul 2025 11:25		AR\AJ	Ok,M
5	PB168810BL	PB168810BL	PD089453.D	11 Jul 2025 13:01		AR\AJ	Ok,M
6	PB168810BS	PB168810BS	PD089454.D	11 Jul 2025 13:15		AR\AJ	Ok,M
7	Q2559-01	500-3B CONCRETE CI	PD089455.D	11 Jul 2025 13:28		AR\AJ	Ok
8	Q2560-01	LP-7102025	PD089456.D	11 Jul 2025 13:42		AR\AJ	Ok,M
9	Q2560-01MS	LP-7102025MS	PD089457.D	11 Jul 2025 13:56		AR\AJ	Ok,M
10	Q2560-01MSD	LP-7102025MSD	PD089458.D	11 Jul 2025 14:09		AR\AJ	Ok,M
11	Q2564-01	ARS20-0030	PD089459.D	11 Jul 2025 14:23		AR\AJ	Ok,M
12	Q2564-03	ARS20-0013	PD089460.D	11 Jul 2025 14:36		AR\AJ	Ok,M
13	Q2564-05	ARS20-0039	PD089461.D	11 Jul 2025 14:50	need dilution	AR\AJ	Dilution
14	I.BLK	I.BLK	PD089462.D	11 Jul 2025 15:04		AR\AJ	Ok,M
15	PSTDCCC050	PSTDCCC050	PD089463.D	11 Jul 2025 15:17		AR\AJ	Ok,M
16	Q2565-02	MOO-25-0194-0195	PD089464.D	11 Jul 2025 15:31		AR\AJ	Ok,M
17	Q2565-04	MOO-25-0196	PD089465.D	11 Jul 2025 15:45		AR\AJ	Ok,M
18	Q2565-05	MOO-25-0180	PD089466.D	11 Jul 2025 15:58	TCMX high in 2nd column	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD071125

Review By	Abdul	Review On	7/14/2025 8:39:05 AM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:55 AM		
SubDirectory	PD071125	HP Acquire Method		HP Processing Method	pd061825 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	Q2565-03	MOO-25-0191	PD089467.D	11 Jul 2025 16:12		AR\AJ	Ok,M
20	Q2571-01	TP-18	PD089468.D	11 Jul 2025 16:26		AR\AJ	Ok,M
21	Q2571-05	TP-17	PD089469.D	11 Jul 2025 16:40		AR\AJ	Ok,M
22	I.BLK	I.BLK	PD089470.D	11 Jul 2025 16:53		AR\AJ	Ok
23	PSTDCCC050	PSTDCCC050	PD089471.D	11 Jul 2025 18:16		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD071425

Review By	Abdul	Review On	7/16/2025 9:15:27 AM		
Supervise By	mohammad	Supervise On	7/22/2025 9:35:12 AM		
SubDirectory	PD071425	HP Acquire Method		HP Processing Method	pd061825 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	PD089472.D	14 Jul 2025 09:45		AR\AJ	Ok
2	I.BLK	I.BLK	PD089473.D	14 Jul 2025 10:13		AR\AJ	Ok
3	PEM	PEM	PD089474.D	14 Jul 2025 10:57		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089475.D	14 Jul 2025 11:11		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PD089476.D	14 Jul 2025 12:42		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PD089477.D	14 Jul 2025 14:11		AR\AJ	Ok,M
7	PB168810BS	PB168810BS	PD089478.D	14 Jul 2025 14:28	CHLOR BS	AR\AJ	Ok,M
8	PB168810BS	PB168810BS	PD089479.D	14 Jul 2025 16:00	TOX BS	AR\AJ	Ok,M
9	I.BLK	I.BLK	PD089480.D	14 Jul 2025 16:44		AR\AJ	Ok
10	PSTDCCC050	PSTDCCC050	PD089481.D	14 Jul 2025 16:58		AR\AJ	Ok
11	PCHLORCCC500	PCHLORCCC500	PD089482.D	14 Jul 2025 17:39		AR\AJ	Ok,M
12	PTOXCCC500	PTOXCCC500	PD089483.D	14 Jul 2025 17:54		AR\AJ	Ok
13	Q2564-05DL	ARS20-0039DL	PD089484.D	14 Jul 2025 18:43		AR\AJ	Ok,M
14	Q2555-01	OU4-TS-29-070925	PD089485.D	14 Jul 2025 19:01	DCB Low in both column	AR\AJ	ReRun
15	Q2555-03	OU4-TS-30-070925	PD089486.D	14 Jul 2025 19:14	DCB Low in both column	AR\AJ	ReRun
16	Q2558-01	OU4-TS-Denali-070925	PD089487.D	14 Jul 2025 19:28		AR\AJ	Ok,M
17	Q2558-03	OU4-TS-Grillo-OG-070	PD089488.D	14 Jul 2025 19:42	DCB Low in both column	AR\AJ	ReRun
18	I.BLK	I.BLK	PD089489.D	14 Jul 2025 19:55		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD071425

Review By	Abdul	Review On	7/16/2025 9:15:27 AM		
Supervise By	mohammad	Supervise On	7/22/2025 9:35:12 AM		
SubDirectory	PD071425	HP Acquire Method		HP Processing Method	pd061825 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	PSTDCCC050	PSTDCCC050	PD089490.D	14 Jul 2025 20:09		AR\AJ	Ok
20	PCHLORCCC500	PCHLORCCC500	PD089491.D	14 Jul 2025 20:23		AR\AJ	Ok,M
21	PTOXCCC500	PTOXCCC500	PD089492.D	14 Jul 2025 20:36	CCC Fail	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089536.D	21 Jul 2025 11:27		AR\AJ	Ok
2	I.BLK	I.BLK	PD089537.D	21 Jul 2025 12:08		AR\AJ	Ok
3	PEM	PEM	PD089538.D	21 Jul 2025 12:22		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089539.D	21 Jul 2025 12:35		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089540.D	21 Jul 2025 12:49		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD089541.D	21 Jul 2025 13:03		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD089542.D	21 Jul 2025 13:16		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089543.D	21 Jul 2025 13:30		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089544.D	21 Jul 2025 13:44		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PD089545.D	21 Jul 2025 13:57		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD089546.D	21 Jul 2025 14:11		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089547.D	21 Jul 2025 14:25		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089548.D	21 Jul 2025 14:38		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089549.D	21 Jul 2025 14:52		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089550.D	21 Jul 2025 15:05		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089551.D	21 Jul 2025 15:19		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089552.D	21 Jul 2025 15:32		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089553.D	21 Jul 2025 15:46		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PD089554.D	21 Jul 2025 15:59		AR\AJ	Ok
20	PSTDICV050	ICVPD072125	PD089555.D	21 Jul 2025 16:25		AR\AJ	Ok
21	PCHLORICV500	ICVPD072125CHLOR	PD089556.D	21 Jul 2025 16:39		AR\AJ	Ok
22	PTOXICV500	ICVPD072125TOX	PD089557.D	21 Jul 2025 16:52		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072425

Review By	Abdul	Review On	7/24/2025 9:20:07 AM		
Supervise By	mohammad	Supervise On	7/24/2025 9:21:10 AM		
SubDirectory	PD072425	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089590.D	23 Jul 2025 12:22		AR\AJ	Ok
2	I.BLK	I.BLK	PD089591.D	23 Jul 2025 12:35		AR\AJ	Ok
3	PEM	PEM	PD089592.D	23 Jul 2025 12:49		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089593.D	23 Jul 2025 13:02		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PD089594.D	23 Jul 2025 13:39		AR\AJ	Ok
6	PTOXCCC500	PTOXCCC500	PD089595.D	23 Jul 2025 13:57		AR\AJ	Ok
7	PB168922BL	PB168922BL	PD089596.D	23 Jul 2025 14:18	TYPO PB168928BL, corrected.	AR\AJ	Ok
8	PB168922BS	PB168922BS	PD089597.D	23 Jul 2025 15:19	TYPO PB168928BS, corrected.	AR\AJ	Ok
9	PB168922BS	PB168922BS	PD089598.D	23 Jul 2025 15:32	TYPO PB168928BS, corrected.	AR\AJ	Ok
10	PB168922BS	PB168922BS	PD089599.D	23 Jul 2025 15:46	TYPO PB168928BS, corrected.	AR\AJ	Ok,M
11	I.BLK	I.BLK	PD089600.D	23 Jul 2025 16:00		AR\AJ	Ok
12	PSTDCCC050	PSTDCCC050	PD089601.D	23 Jul 2025 16:13		AR\AJ	Ok
13	PCHLORCCC500	PCHLORCCC500	PD089602.D	23 Jul 2025 16:27		AR\AJ	Ok
14	PTOXCCC500	PTOXCCC500	PD089603.D	23 Jul 2025 16:41		AR\AJ	Ok,M
15	Q2555-01RE	OU4-TS-29-070925RE	PD089604.D	23 Jul 2025 16:54	DCB Low in both column	AR\AJ	Confirms
16	Q2555-03RE	OU4-TS-30-070925RE	PD089605.D	23 Jul 2025 17:08	DCB Low in both column	AR\AJ	Confirms
17	Q2633-02	FIBER-GLASS-TANK	PD089606.D	23 Jul 2025 17:21		AR\AJ	Ok,M
18	PB168972BL	PB168972BL	PD089607.D	23 Jul 2025 17:35		AR\AJ	Ok

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072425

Review By	Abdul	Review On	7/24/2025 9:20:07 AM		
Supervise By	mohammad	Supervise On	7/24/2025 9:21:10 AM		
SubDirectory	PD072425	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB168972BS	PB168972BS	PD089608.D	23 Jul 2025 17:48	some compound recovery fail	AR\AJ	Not Ok
20	PB168972BSD	PB168972BSD	PD089609.D	23 Jul 2025 18:02	some compound recovery fail	AR\AJ	Not Ok
21	I.BLK	I.BLK	PD089610.D	23 Jul 2025 18:16		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PD089611.D	23 Jul 2025 18:29		AR\AJ	Ok
23	Q2639-01	OU4-TS-38-071725	PD089612.D	23 Jul 2025 18:57	DCB Low in 2nd column	AR\AJ	Ok,M
24	Q2639-03	OU4-TS-39-071725	PD089613.D	23 Jul 2025 19:10	DCB Low in 2nd column	AR\AJ	Ok,M
25	Q2639-05	OU4-TS-40-071725	PD089614.D	23 Jul 2025 19:24	DCB Low in 2nd column	AR\AJ	Ok,M
26	Q2639-07	OU4-TS-41-071725	PD089615.D	23 Jul 2025 19:38	DCB Low in 2nd column	AR\AJ	Ok,M
27	Q2639-09	OU4-TS-42-071725	PD089616.D	23 Jul 2025 19:51	DCB Low in both column	AR\AJ	ReRun
28	Q2639-11	OU4-TS-43-071725	PD089617.D	23 Jul 2025 20:05	DCB Low in both column	AR\AJ	ReRun
29	Q2639-13	OU4-TS-44-071725	PD089618.D	23 Jul 2025 20:19	DCB Low in both column	AR\AJ	ReRun
30	I.BLK	I.BLK	PD089619.D	23 Jul 2025 20:46		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PD089620.D	23 Jul 2025 22:08		AR\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2550-02	VNJ-203	1	1.13	10.33	11.46	10.67	92.4	
Q2550-03	VNJ-203-E2	2	1.16	10.18	11.34	10.36	90.4	
Q2555-01	OU4-TS-29-070925	3	1.18	10.34	11.52	8.84	74.1	
Q2555-03	OU4-TS-30-070925	4	1.14	10.85	11.99	9.45	76.6	
Q2556-01	RT3997	5	1.16	10.62	11.78	10.4	87.0	
Q2557-01	OILY SPILL DEBRIS	6	1.00	1.00	2.00	2.00	100.0	debris
Q2558-01	OU4-TS-Denali-070925	7	1.15	10.60	11.75	9.59	79.6	
Q2558-03	OU4-TS-Grillo-OG-070925	8	1.19	10.63	11.82	9.56	78.7	
Q2559-01	500-3B CONCRETE CHIP	9	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2559-02	500-3B CONCRETE CHIP-EPH	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2560-01	LP-7102025	11	1.14	9.97	11.11	9.53	84.2	
Q2560-02	LP-7102025-EPH-2	12	1.19	10.36	11.55	10.07	85.7	
Q2560-03	LP-7102025-VOC	13	1.13	10.68	11.81	10.11	84.1	
Q2561-03	AUD-25-0115-0116	14	1.14	10.21	11.35	11.07	97.3	
Q2561-04	AUD-25-0067	15	1.17	10.34	11.51	10.88	93.9	
Q2561-05	AUD-25-0117	16	1.15	10.84	11.99	11.85	98.7	
Q2564-01	ARS20-0030	17	1.18	10.66	11.84	11.32	95.1	
Q2564-02	ARS20-0030-E2	18	1.19	10.47	11.66	11.00	93.7	
Q2564-03	ARS20-0013	19	1.13	10.70	11.83	10.87	91.0	
Q2564-04	ARS20-0013-E2	20	1.15	10.81	11.96	10.82	89.5	
Q2564-05	ARS20-0039	21	1.14	10.39	11.53	10.2	87.2	
Q2564-06	ARS20-0039-E2	22	1.13	10.64	11.77	11.09	93.6	
Q2565-02	MOO-25-0194-0195	23	1.14	10.11	11.25	9.82	85.9	
Q2565-03	MOO-25-0191	24	1.00	1.00	2.00	2.00	100.0	debris
Q2565-04	MOO-25-0196	25	1.19	10.56	11.75	9.2	75.9	
Q2565-05	MOO-25-0180	26	1.13	10.69	11.82	11.4	96.1	
Q2571-01	TP-18	27	1.15	10.82	11.97	11.71	97.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2571-02	TP-18 EPH	28	1.14	10.85	11.99	11.44	94.9	
Q2571-03	TP-18 VOC	29	1.18	10.59	11.77	10.45	87.5	
Q2571-05	TP-17	30	1.15	10.88	12.03	10.72	88.0	
Q2571-06	TP-17-EPH	31	1.15	11.16	12.31	11.1	89.2	
Q2571-07	TP-17-VOC	32	1.14	10.85	11.99	10.9	90.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WB6427

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2550-02	VNJ-203	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2550-03	VNJ-203-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2555-01	OU4-TS-29-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2555-03	OU4-TS-30-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2556-01	RT3997	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/10/2025	Chemtech -SO
Q2557-01	OILY SPILL DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2558-01	OU4-TS-Denali-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2559-01	500-3B CONCRETE CHIP	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2559-02	500-3B CONCRETE CHIP-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2560-01	LP-7102025	Solid	Percent Solids	Cool 4 deg C	PSEG03		07/10/2025	Chemtech -SO
Q2560-02	LP-7102025-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2560-03	LP-7102025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2561-03	AUD-25-0115-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-04	AUD-25-0067	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-05	AUD-25-0117	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2564-01	ARS20-0030	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-02	ARS20-0030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-03	ARS20-0013	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-04	ARS20-0013-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-05	ARS20-0039	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 : 1510

Raw Sample Received by: R (WC)

Raw Sample Relinquished by: [signature]

Date/Time 07/10/25 1720

Raw Sample Received by: [signature]

Raw Sample Relinquished by: R (WC)

VB 136427

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2564-06	ARS20-0039-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2565-02	MOO-25-0194-0195	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-03	MOO-25-0191	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-04	MOO-25-0196	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-05	MOO-25-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2571-01	TP-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-02	TP-18 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-03	TP-18 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-05	TP-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-06	TP-17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-07	TP-17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 15:10

Raw Sample Received by: WC

Raw Sample Relinquished by:

Date/Time 07/10/25 17:20

Raw Sample Received by:

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168810

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	07/11/2025
Matrix :	Solid			**Extraction Start Time :**	08:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	07/11/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ 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 1	2.0ML	1000 PPB	PP24622
Spike Sol 2	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	EP2613
Baked Na2SO4	N/A	EP2624
Sand	N/A	E3951
Hexane	N/A	E3950
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 # 03-40BTS723, Q2565-03 & 04 used Limited volume as samples are Oily Debris.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/11/25	RS (Ext-lab)	Y-P-PEST/PCB
11:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168810

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 07/11/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168810BL	PBLK810	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U2-1
PB168810BS	PLCS810	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q2555-01	OU4-TS-29-070925	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q2555-03	OU4-TS-30-070925	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4
Q2558-01	OU4-TS-DENALI-070925	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		5
Q2558-03	OU4-TS-GRILLO-OG-070925	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		6
Q2559-01	500-3B CONCRETE CHIP	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E	Concrete	U3-1
Q2560-01	LP-7102025	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		2
Q2560-01MS	LP-7102025MS	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q2560-01MSD	LP-7102025MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4
Q2564-01	ARS20-0030	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5
Q2564-03	ARS20-0013	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		6
Q2564-05	ARS20-0039	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		U6-1
Q2565-02	MOO-25-0194-0195	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q2565-03	MOO-25-0191	Pesticide-TCL	5.05	N/A	ritesh	Evelyn	10	E	Oily Debris	3
Q2565-04	MOO-25-0196	Pesticide-TCL	5.06	N/A	ritesh	Evelyn	10	E	Oily Debris + Small Particle	4
Q2565-05	MOO-25-0180	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E	Small Particle	5
Q2571-01	TP-18	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q2571-05	TP-17	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		U1-1

* **Extracts relinquished on the same date as received.**

Q2555-Pesticide-TCL

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2555 **WorkList ID :** 190661 **Department :** Extraction **Date :** 07-11-2025 08:15:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2555-01	OU4-TS-29-070925	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/09/2025	8081B
Q2555-03	OU4-TS-30-070925	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/09/2025	8081B
Q2558-01	OU4-TS-Denali-070925	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/09/2025	8081B
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/09/2025	8081B
Q2559-01	500-3B CONCRETE CHIP	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O31	07/10/2025	8081B
Q2560-01	LP-7102025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O23	07/10/2025	8081B
Q2564-01	ARS20-0030	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O22	07/10/2025	8081B
Q2564-03	ARS20-0013	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O22	07/10/2025	8081B
Q2564-05	ARS20-0039	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O22	07/10/2025	8081B
Q2565-02	MOO-25-0194-0195	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O11	07/10/2025	8081B
Q2565-03	MOO-25-0191	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O11	07/10/2025	8081B
Q2565-04	MOO-25-0196	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O11	07/10/2025	8081B
Q2565-05	MOO-25-0180	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O11	07/10/2025	8081B
Q2571-01	TP-18	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O22	07/10/2025	8081B
Q2571-05	TP-17	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03		07/10/2025	8081B

Date/Time 07/11/25 8:15
Raw Sample Received by: RJ (LEA-Deb)
Raw Sample Relinquished by: CP

Date/Time 07/11/25 8:45
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (LEA-Deb)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2555

Test : Pesticide-TCL

Prepbatch ID : PB168810,

Sequence ID/Qc Batch ID: pd071125,pd071425,pd072425,

Standard ID :
EP2613,EP2624,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24329,PP24433,PP24621,PP24622,PP24627,PP24651,PP24663,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 :
E3551,E3877,E3914,E3927,E3932,E3933,E3937,E3941,E3944,E3950,E3951,E3956,P12603,P12604,P12610,P 12611,P13037,P13038,P13040,P13041,P13195,P13196,P13246,P13356,P13405,P13774,P13785,P13786,P13788,P13861,P13862,P9052,P9053,W3177,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2624	06/26/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 06/26/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24621	06/04/2025	09/10/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 0.10000ml of P13861 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24622	06/04/2025	09/09/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 0.10000ml of P12611 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24627	06/10/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 95.00000ml of E3937 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

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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Fax : 908 789 8922

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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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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

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	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

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	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	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

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-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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	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	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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. MEXICO
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:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
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%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
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%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
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.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

ThermoFisher SCIENTIFIC

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

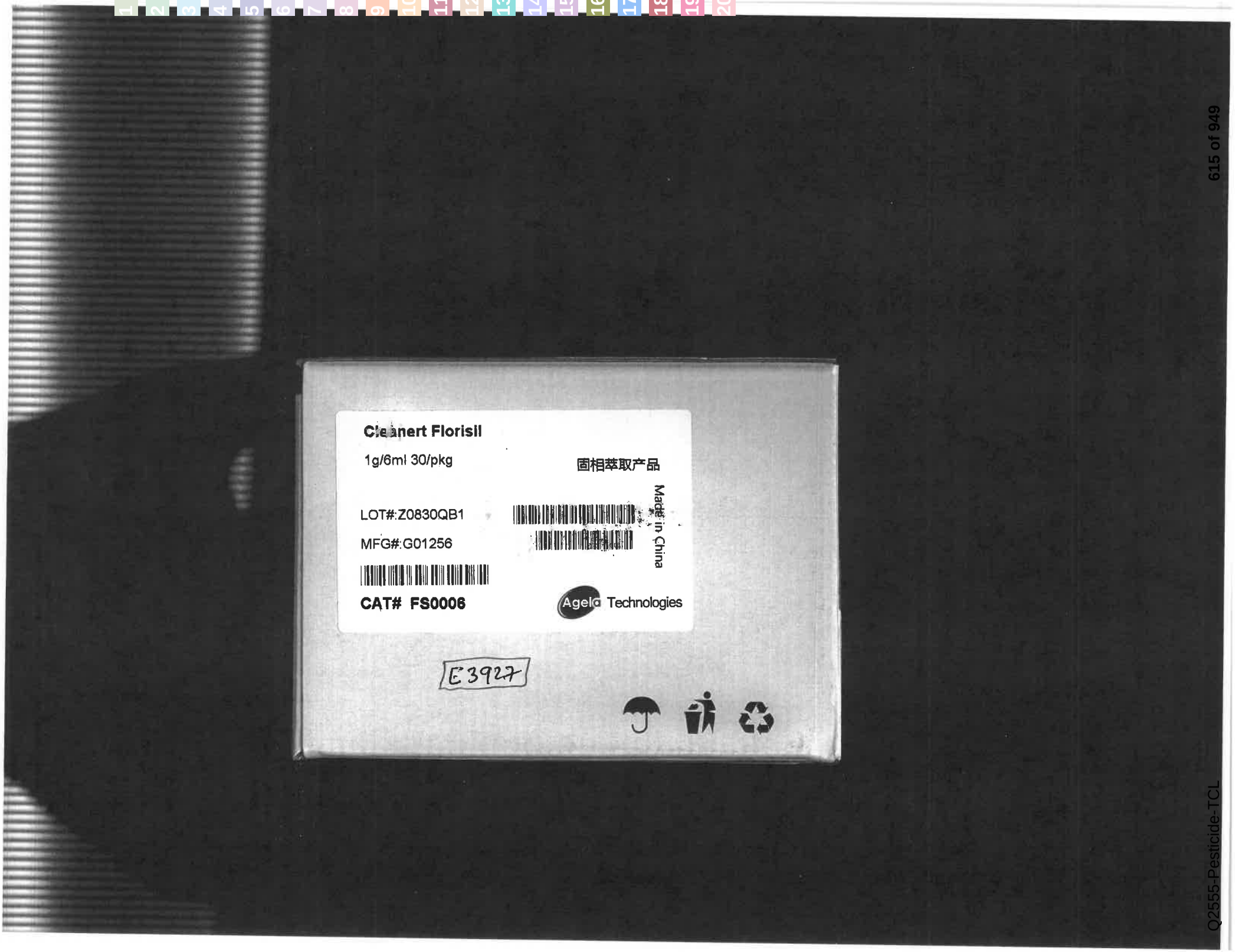
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	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.



Q2555-Pesticide-TCL

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 RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC E3933

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 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

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd. by RI on 6/11/25

E3941

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

J Croak
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

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

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12614 & P12615 Five

7/3/2023

Catalog No. : 32021 **Lot No.:** A0193299

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

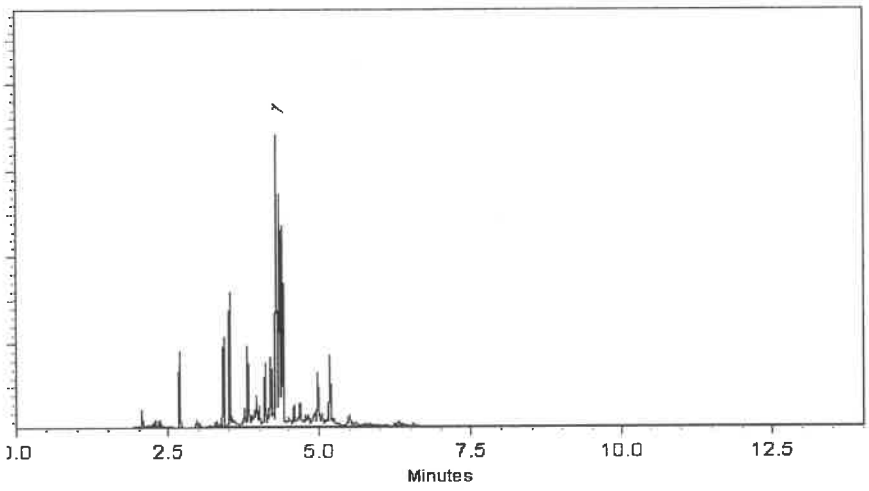
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12691 ↓ P12695

7/3/2023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P130397 } 5
↓
P130431

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

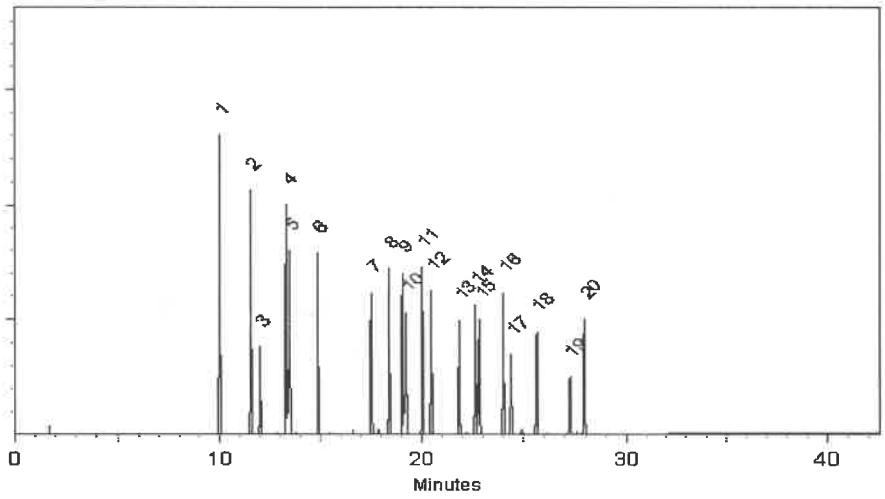
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P130397 } 5
↓
P130431

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

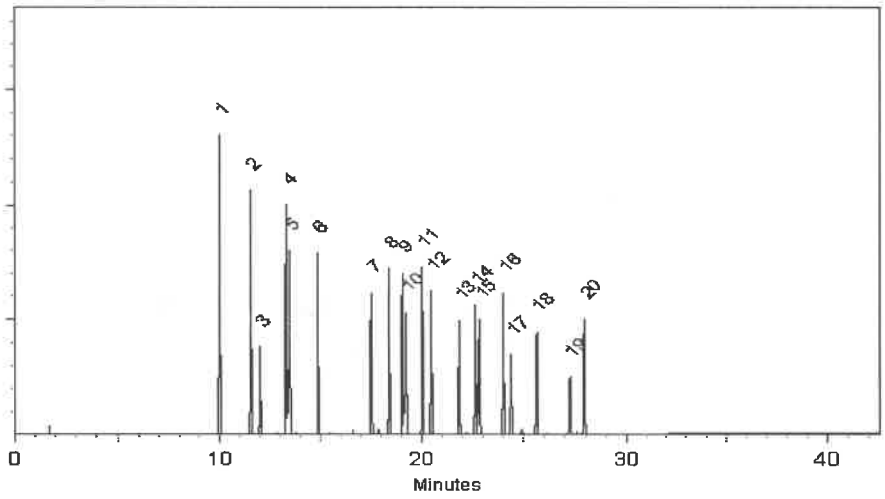
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone **Lot#** 81025

Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.006 Flask Uncertainty

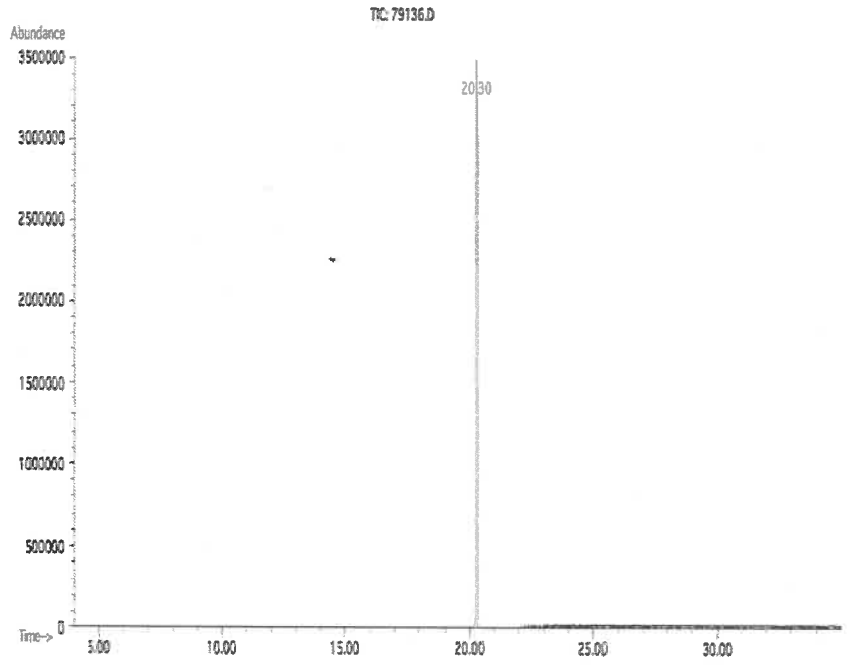
Weight(s) shown below were combined and diluted to (mL): 50.0

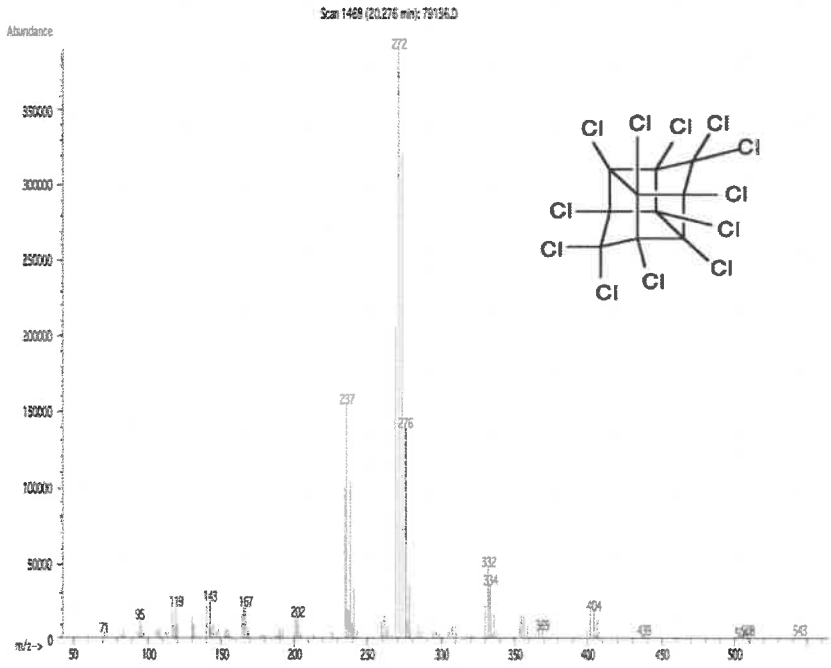
Formulated By: Prashant Chauhan 042022 DATE

Reviewed By: Pedro L. Rentas 042022 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P13195
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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).

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

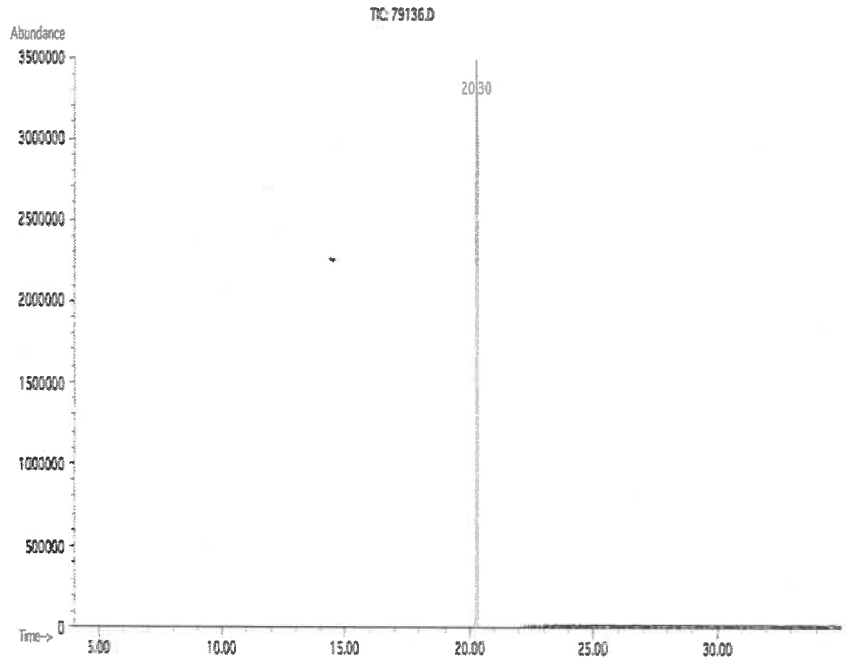
Weight(s) shown below were combined and diluted to (mL): 50.0

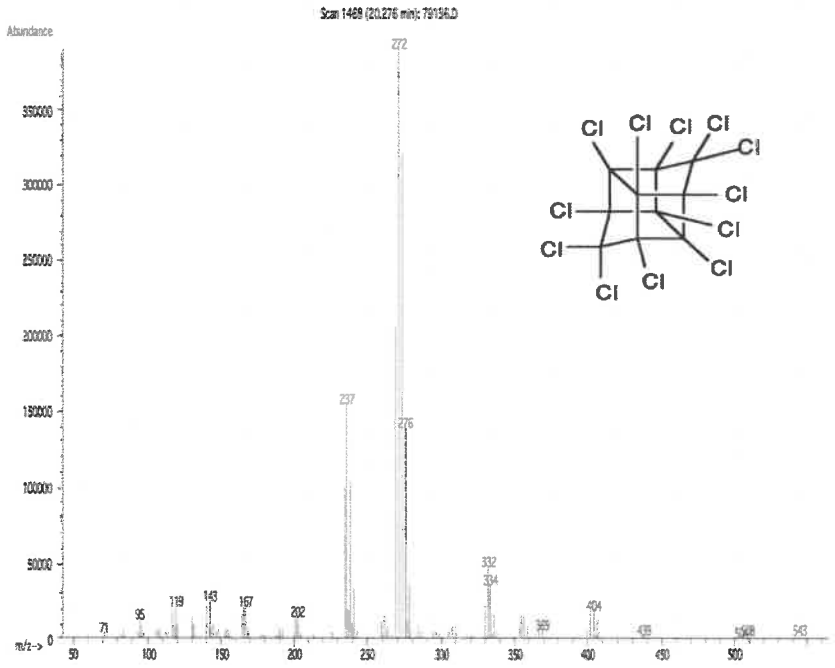
Prashant Chauhan 042022
Formulated By: Prashant Chauhan DATE

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
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P13199
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(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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Certificate of Analysis

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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.)

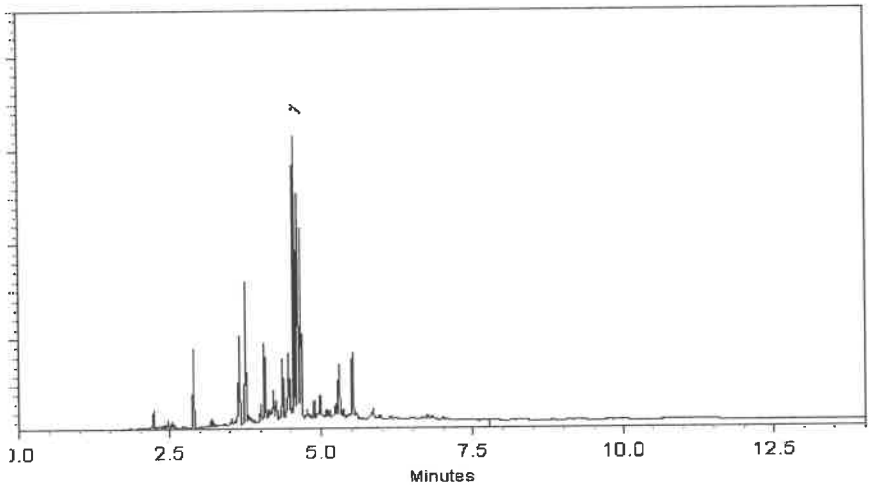
Inj. Temp:
250°C

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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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.)

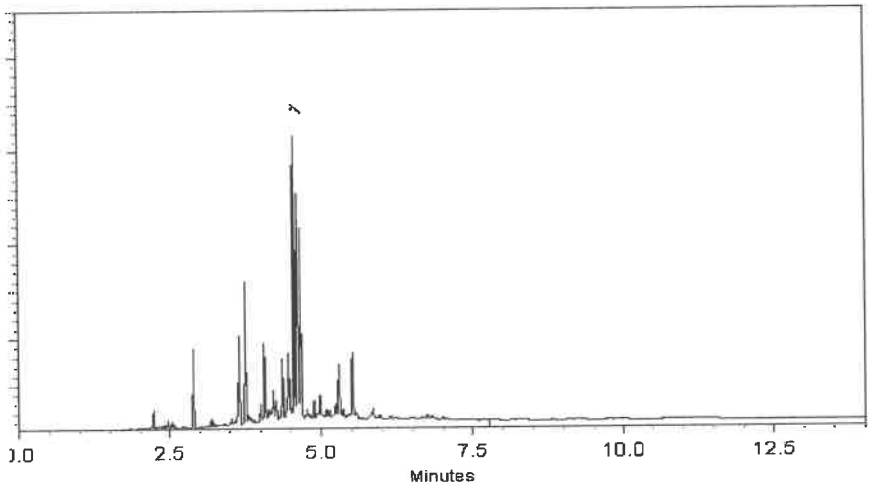
Inj. Temp:
250°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

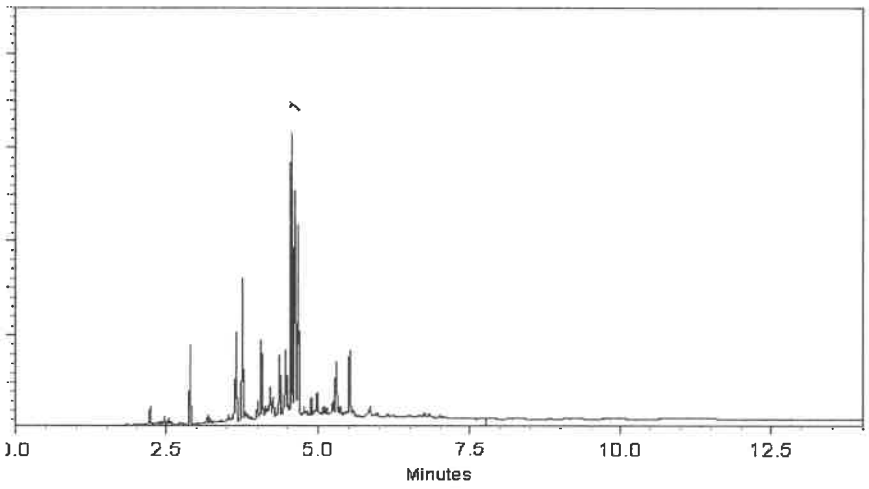
Inj. Temp:
250°C

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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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.)

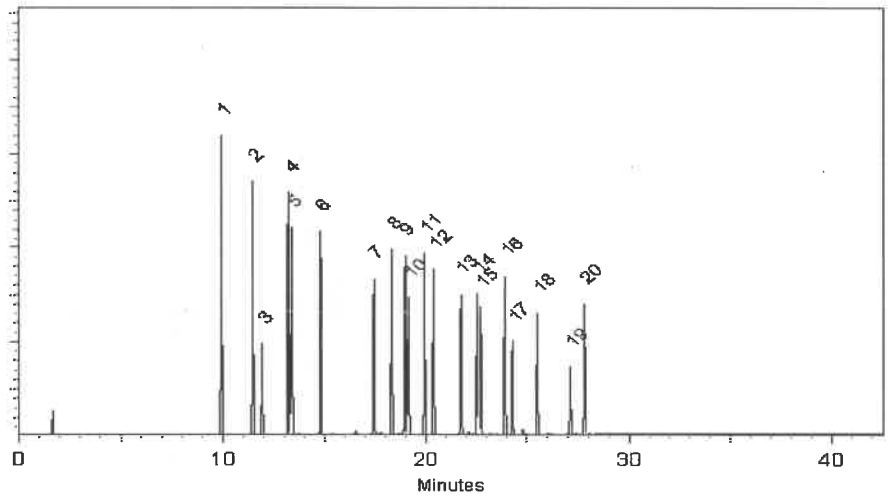
Inj. Temp:
200°C

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

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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.)

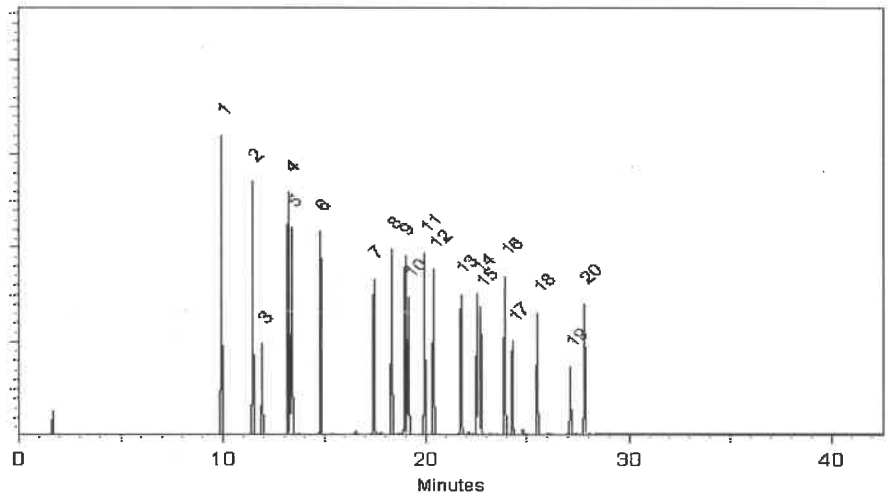
Inj. Temp:
200°C

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

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 ± 0.021 Flask Uncertainty; 5E-05 Balance 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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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.)

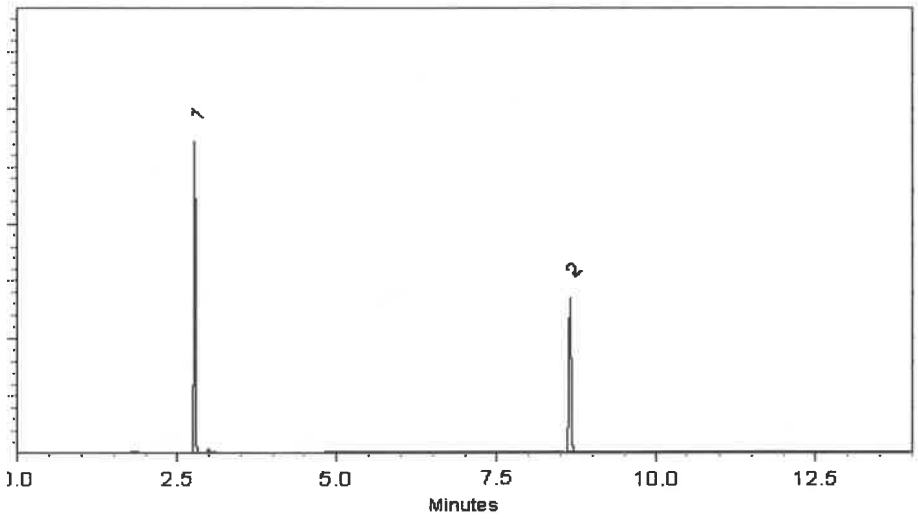
Inj. Temp:
250°C

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
04/25/2025

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13402 & P13406 (5)

5/22/2021

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

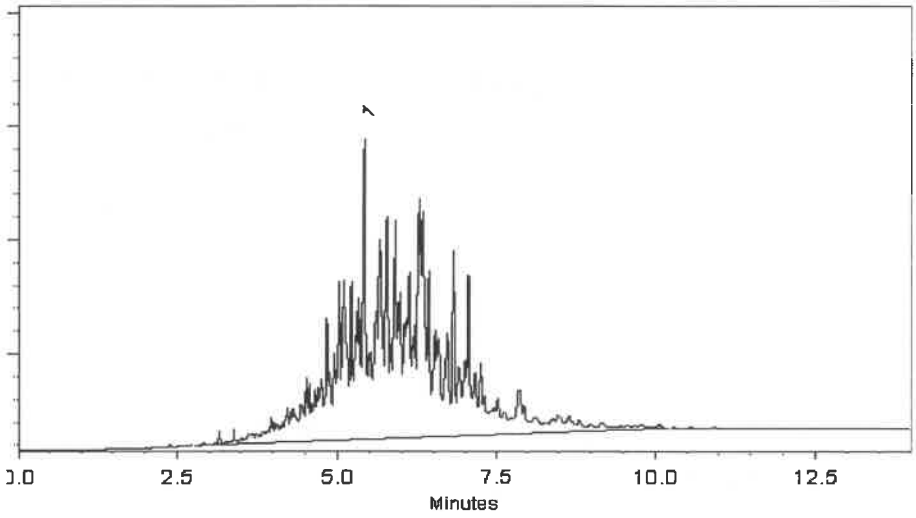
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P1340Z
↓
P1340G
5

5/22/2024

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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.:** 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

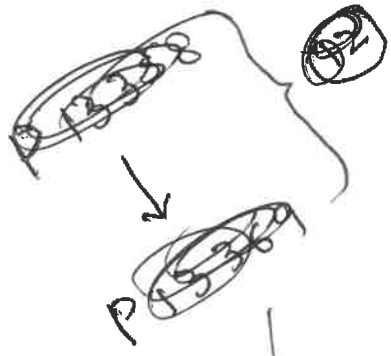
Ship: Ambient

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

05-06-2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

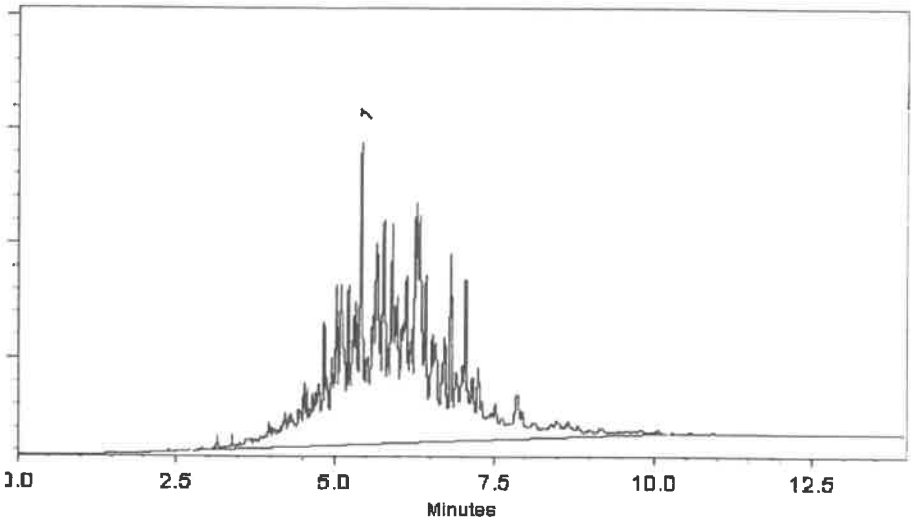
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13380

P13379

P13773 → P13779

AJ 11/19/24

05-

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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.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13785 ↓ P13789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

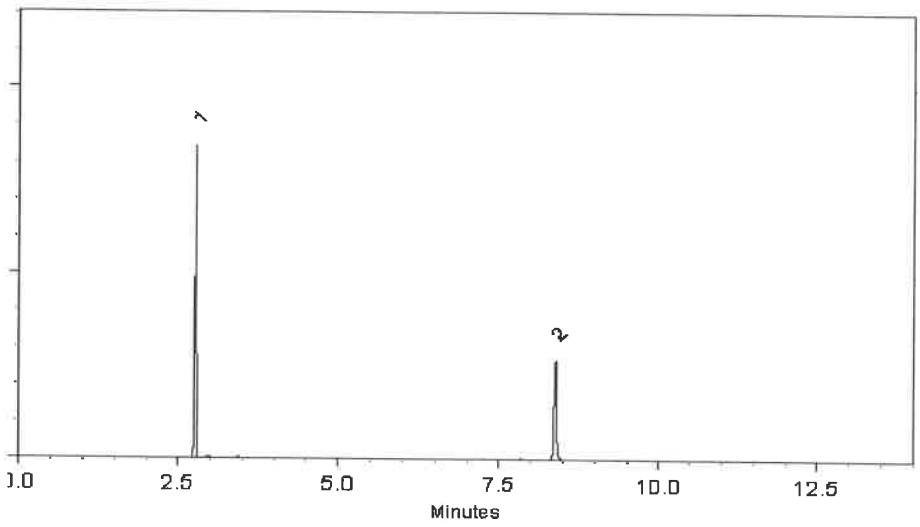
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785 ↓ P19789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

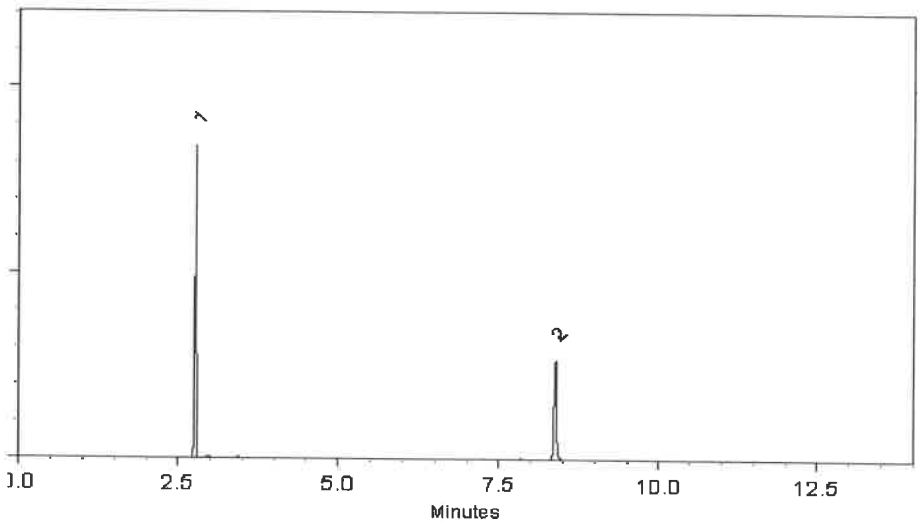
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13785 ↓ P13789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

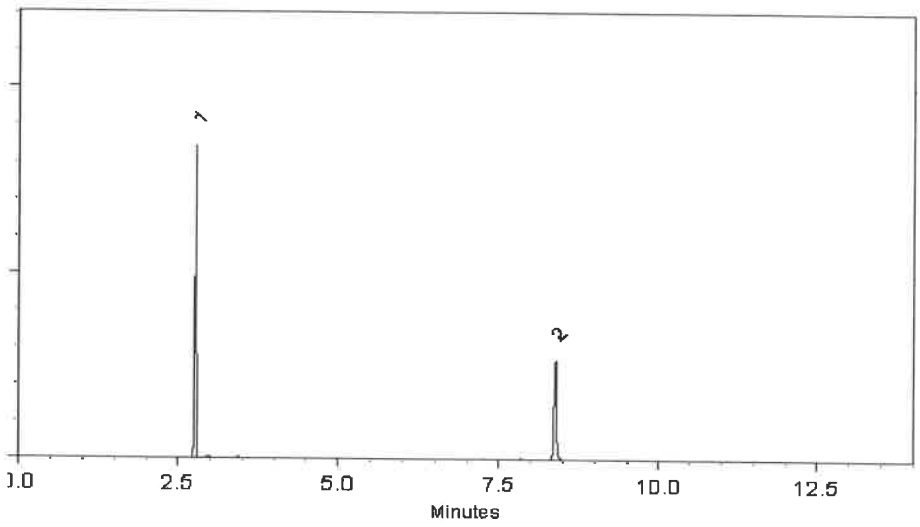
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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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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.)

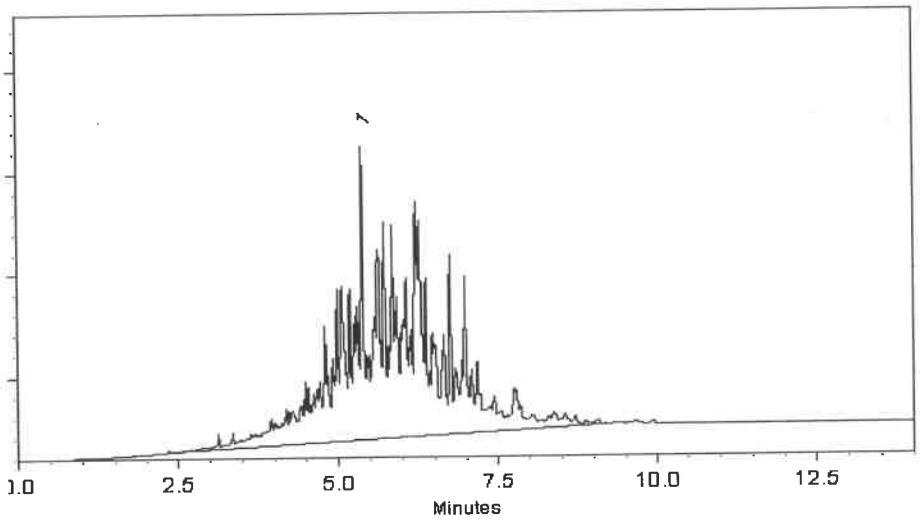
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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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

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862 (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.)

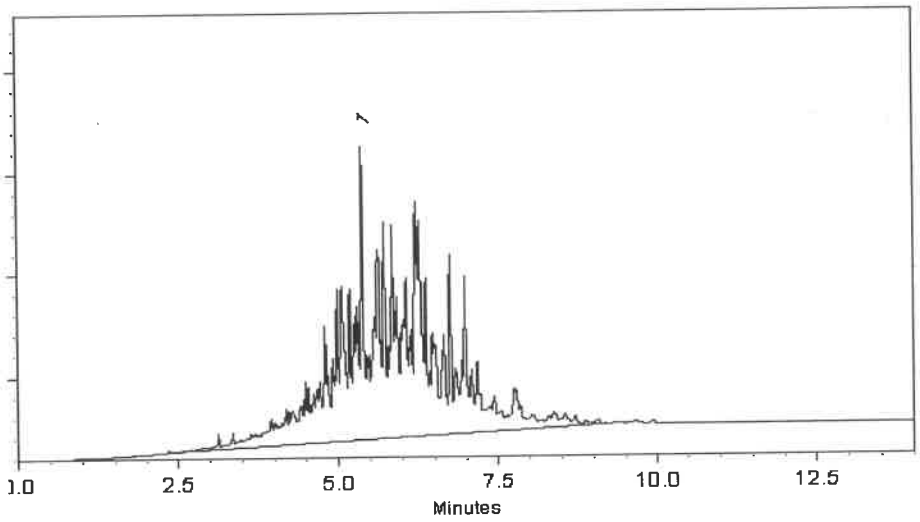
Inj. Temp:
250°C

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

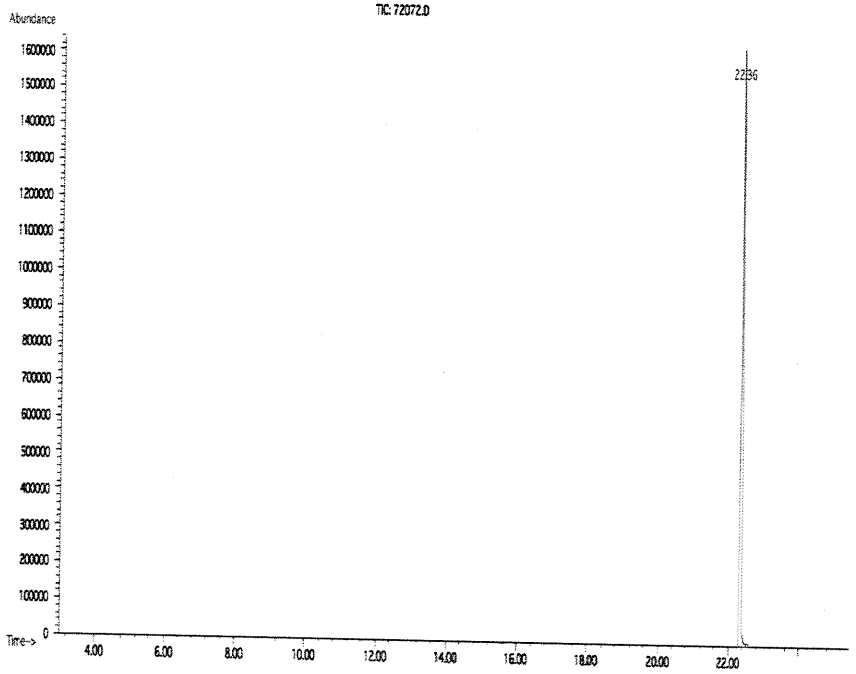
Received by SG on 11/1/19
P9044 - P9053

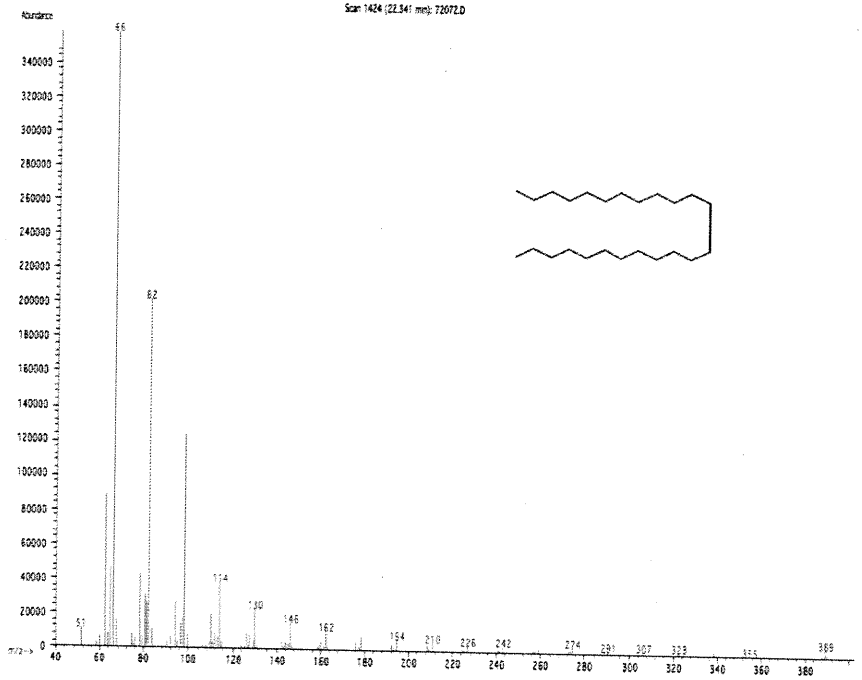
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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.





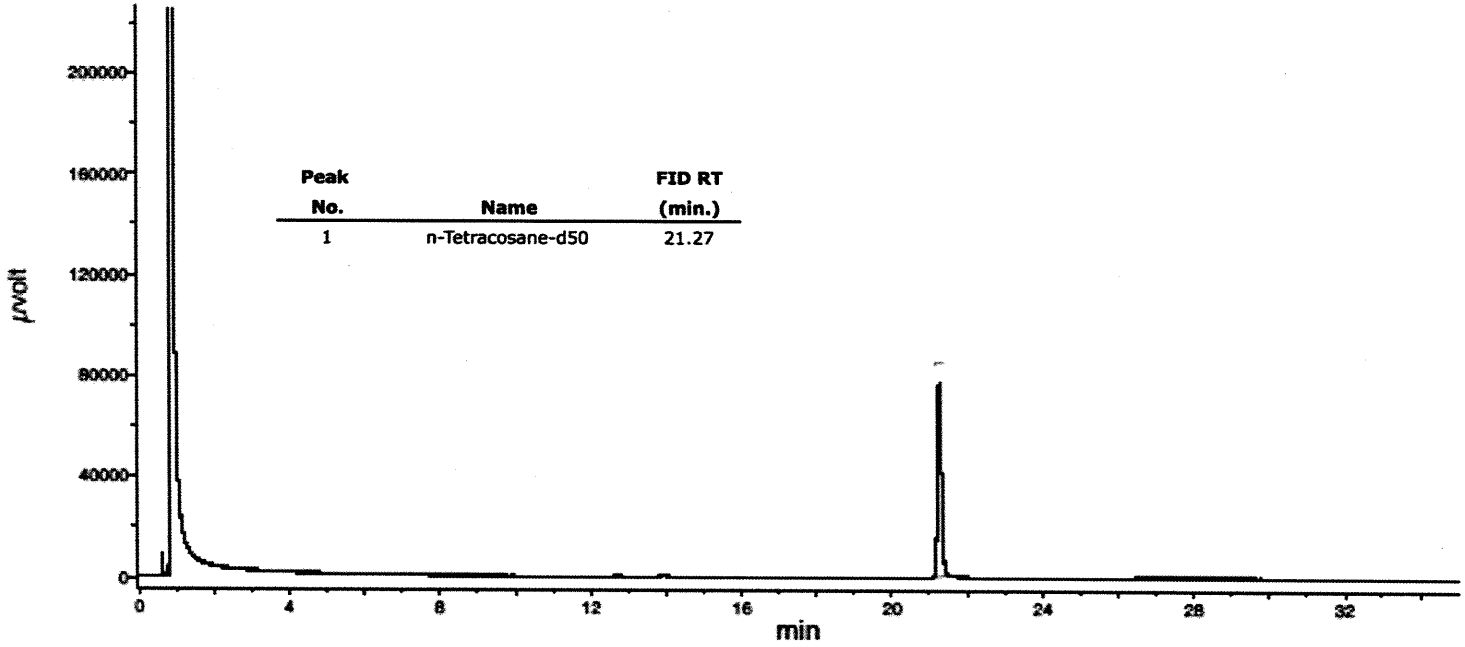
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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

Absolute Standards, Inc.
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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

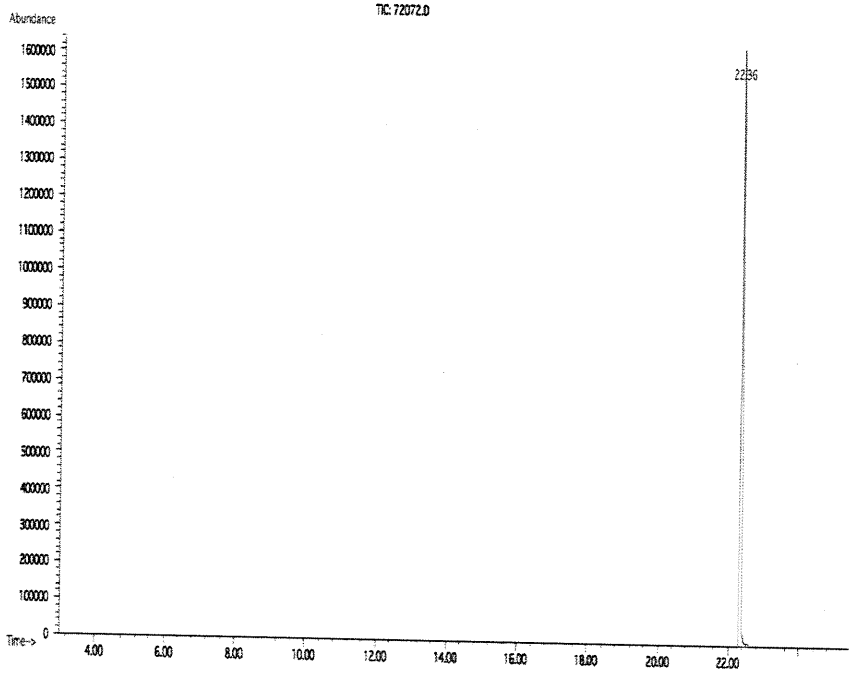
Received by SG on 11/1/19
P9044 - P9053

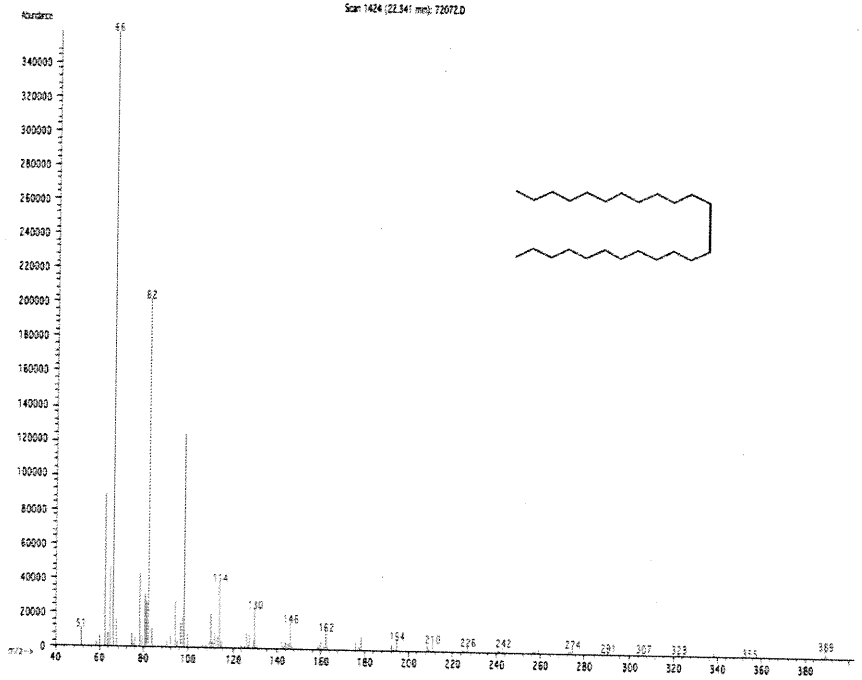
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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.





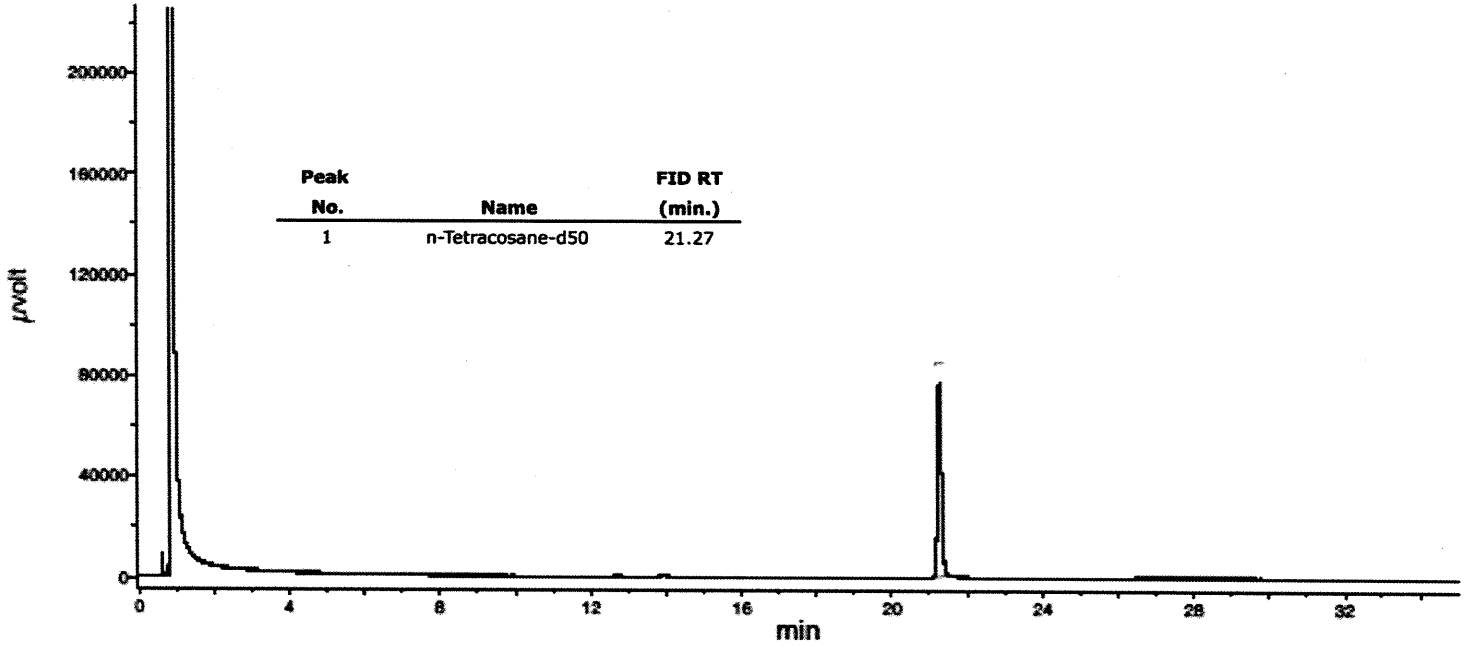
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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

Q 2555

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	B. Fortier

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Cyanide	SPLP RCP Metals - 6020		
	OU4-TS-29-070925	7/9/25	10:30	G	SO		3	2	1				X	X	X	X	X	X	X	X		
	OU4-TS-30-070925	7/9/25	10:45	G	SO		3	2	1				X	X	X	X	X	X	X	X		

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 7/9/25 1200
Received by: (signature)	Date/Time: 7/10/25 1000
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

If Cond 4.3 ←

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2555 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/10/2025 10:17:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/10/2025 10:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2555-01	OU4-TS-29-070925	Solid	07/09/2025	10:30					
					VOCMS Group3		8260D		10 Bus. Days
Q2555-03	OU4-TS-30-070925	Solid	07/09/2025	10:45					
					VOCMS Group3		8260D		10 Bus. Days

Relinguished By : CA
Date / Time : 7/10/25 13:05

Received By : Sam
Date / Time : 07/10/25 13:05 Right Lab

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
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: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	56676201	346.6E6	19.865	20.443	
28)	SA Decachlor...	9.071	8.072	84217746	421.0E6	21.442	21.293	
	Target Compounds							
2)	A alpha-BHC	3.999	3.393	52304160	283.3E6	8.973	10.573	
3)	MA gamma-BHC...	4.330	3.729	52036875	261.9E6	9.323	10.578	
4)	MA Heptachlor	4.952f	4.080	511087	1426220	0.094	0.057	#
5)	MB Aldrin	5.279	4.364	24417	769143	0.005	0.032	#
6)	B beta-BHC	4.515	4.025	21562085	115.6E6	9.769	10.754	
7)	B delta-BHC	4.759	4.257	328993	672486	0.064	0.027	#
8)	B Heptachlo...	5.682	4.877	604315	225535	0.125	0.010	#
9)	A Endosulfan I	6.063	5.232	185664	2653103	0.041	0.127	#
10)	B gamma-Chl...	5.939	5.125	1056396	14483909	0.221	0.605	#
11)	B alpha-Chl...	6.031	5.190	2200311	7400726	0.455	0.323	#
12)	B 4,4'-DDE	6.198	5.380	421481	1305007	0.097	0.057	#
13)	MA Dieldrin	0.000	5.511	0	396108	N.D.	0.017	#
14)	MA Endrin	6.574	5.789	207.3E6	1096.4E6	50.256	50.492	
15)	B Endosulfa...	6.804f	6.088	2576735	1532900	0.638	0.076	#
16)	A 4,4'-DDD	6.704	5.935	1952641	4568938	0.569	0.239	#
17)	MA 4,4'-DDT	7.020	6.183	381.9E6	1948.4E6	100.821	96.080	
18)	B Endrin al...	6.919	6.257	714479	9163240	0.233	0.598	#
19)	B Endosulfa...	0.000	6.487	0	785854	N.D.	0.040	#
20)	A Methoxychlor	7.493	6.754	464.5E6	2141.4E6	229.876	198.863	
21)	B Endrin ke...	7.629	6.991	819360	12685047	0.201	0.587	#
22)	Mirex	0.000	7.177	0	7541381	N.D.	0.452	#
23)	Chlordane-1	0.000	3.904	0	1306596	N.D.	1.402	#
24)	Chlordane-2	5.253	4.486	347572	2059194	1.592	2.164	#
25)	Chlordane-3	5.939	5.125	1056396	14483909	1.225	4.876	#
26)	Chlordane-4	6.031	5.190	2200311	7400726	2.094	2.952	#
27)	Chlordane-5	6.869	6.088	367451	1532900	2.011	1.355	#

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

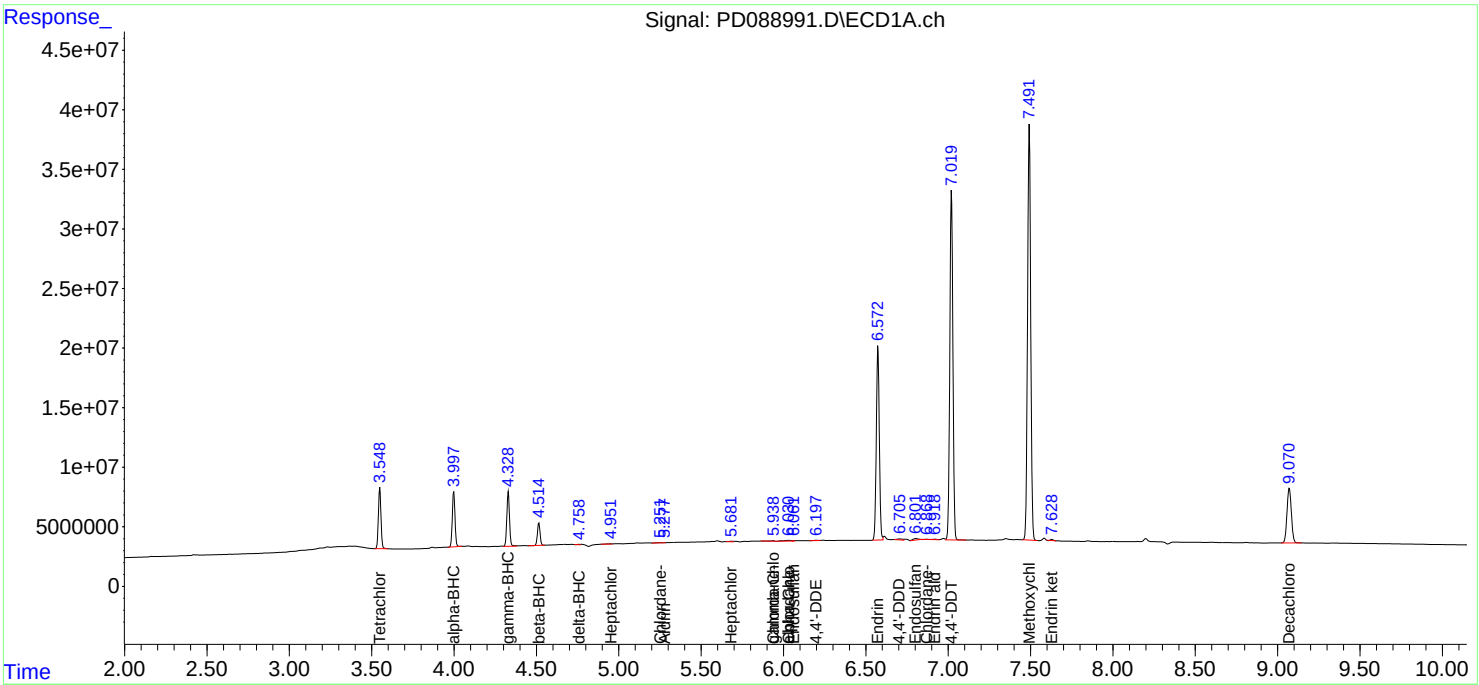
Quantitation Report (Not Reviewed)

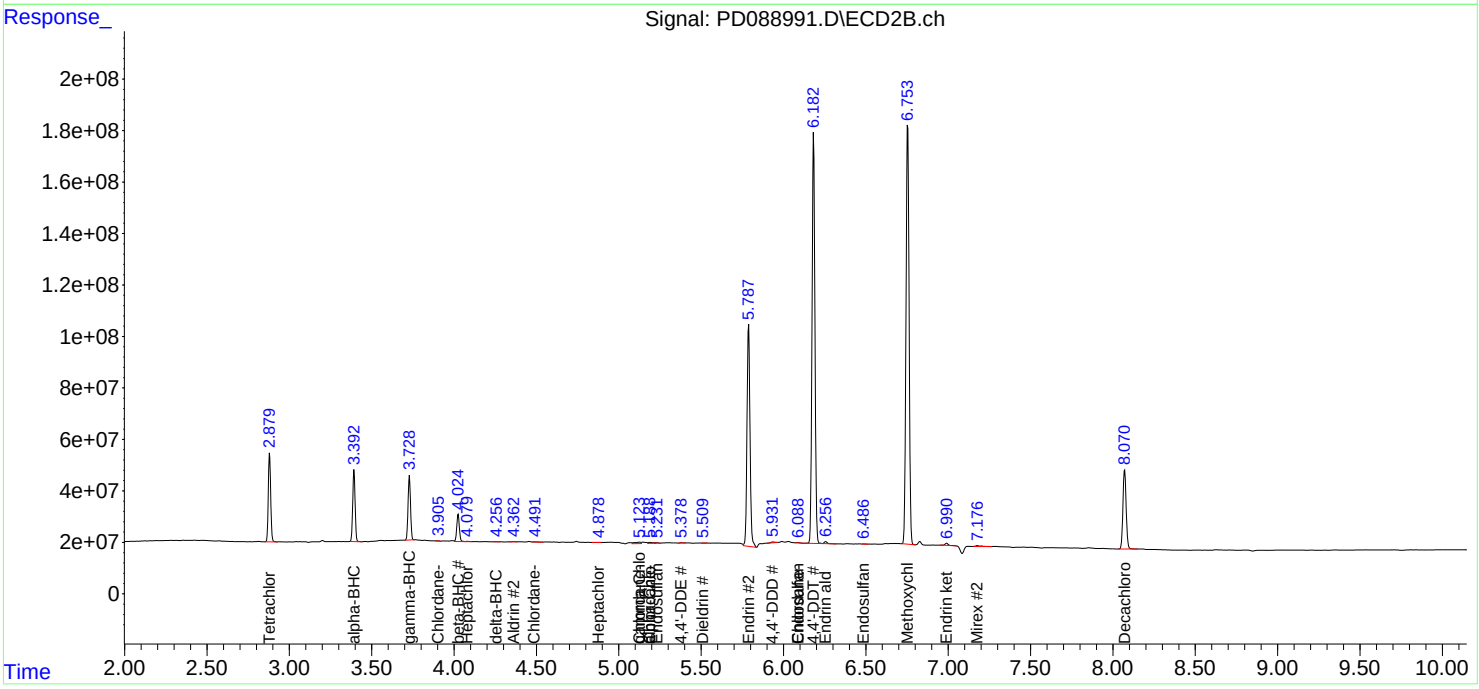
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

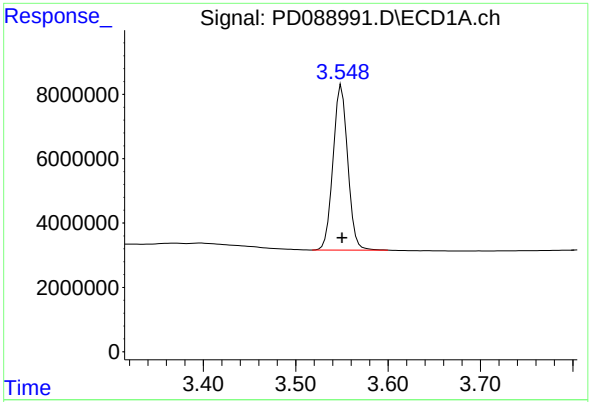
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



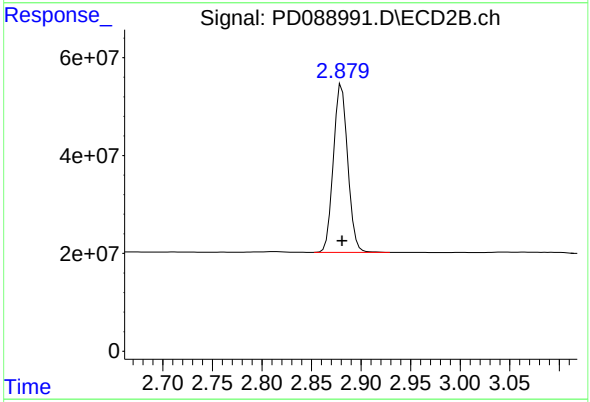




#1 Tetrachloro-m-xylene

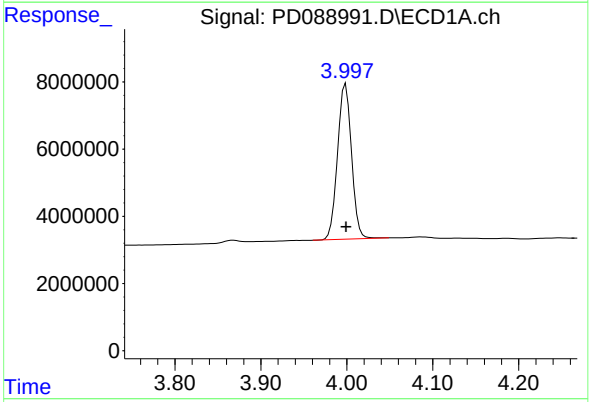
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 56676201
Conc: 19.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



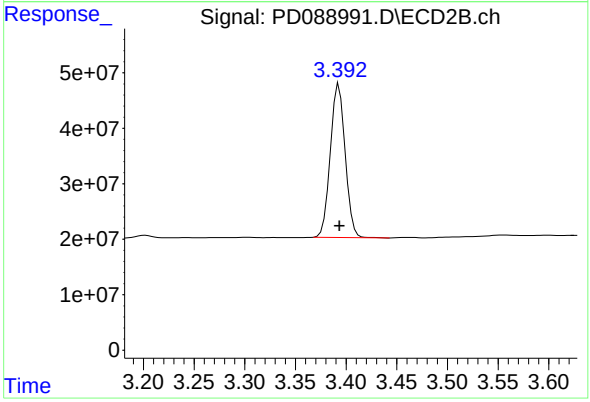
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 346582137
Conc: 20.44 ng/ml



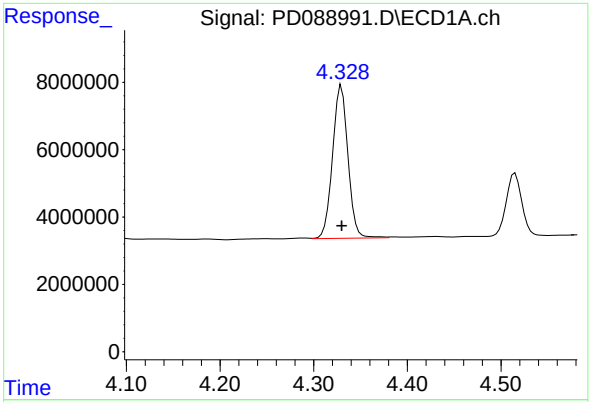
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 52304160
Conc: 8.97 ng/ml



#2 alpha-BHC

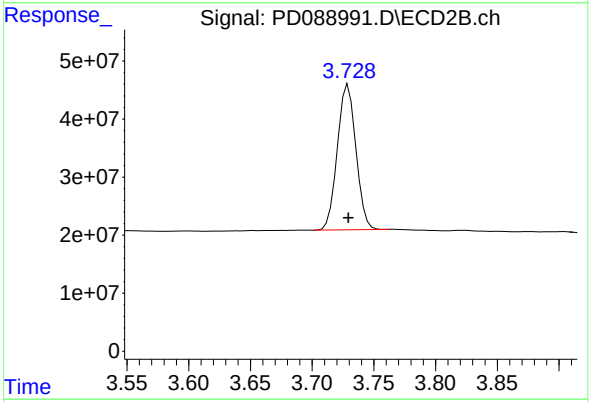
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 283316605
Conc: 10.57 ng/ml



#3 gamma-BHC (Lindane)

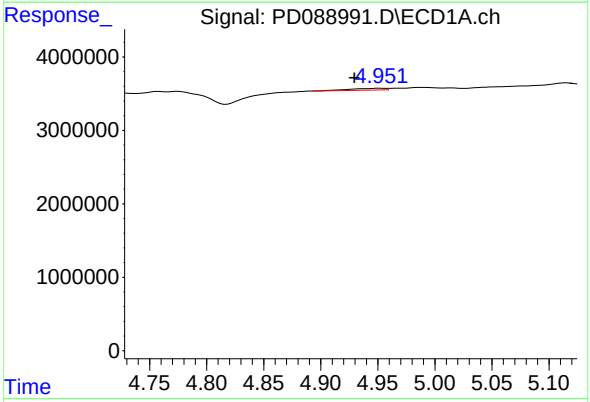
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 52036875
Conc: 9.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



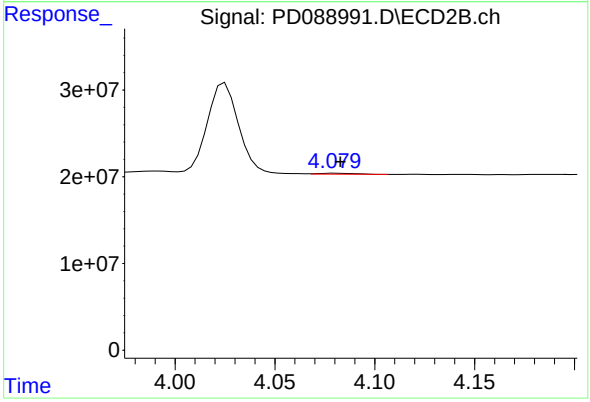
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 261889650
Conc: 10.58 ng/ml



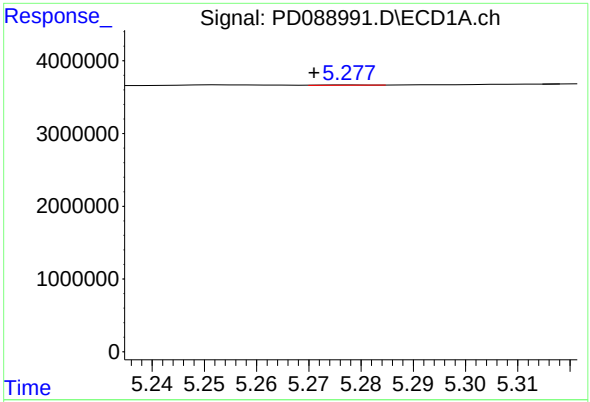
#4 Heptachlor

R.T.: 4.952 min
Delta R.T.: 0.023 min
Response: 511087
Conc: 0.09 ng/ml



#4 Heptachlor

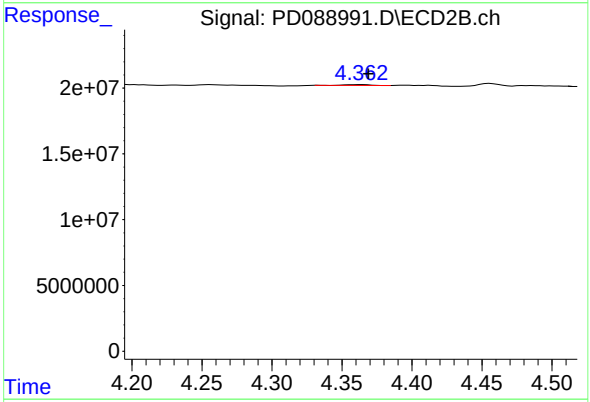
R.T.: 4.080 min
Delta R.T.: -0.003 min
Response: 1426220
Conc: 0.06 ng/ml



#5 Aldrin

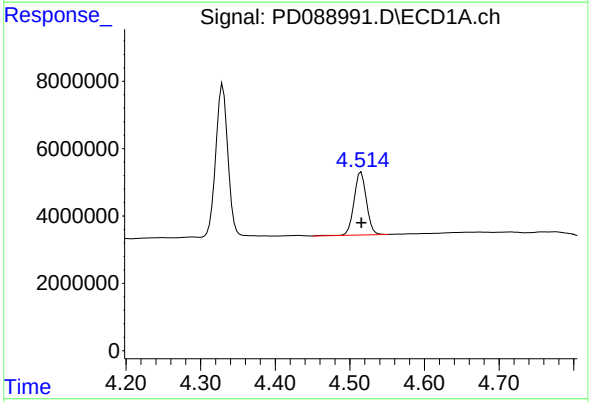
R.T.: 5.279 min
Delta R.T.: 0.008 min
Response: 24417
Conc: 0.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



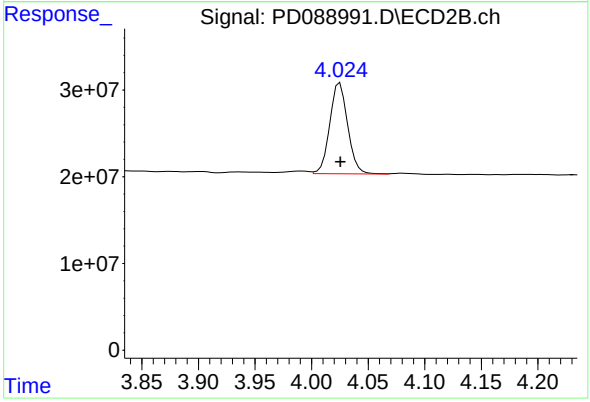
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.005 min
Response: 769143
Conc: 0.03 ng/ml



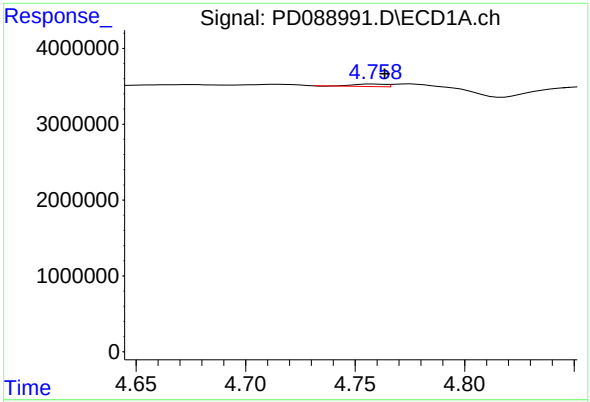
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 21562085
Conc: 9.77 ng/ml



#6 beta-BHC

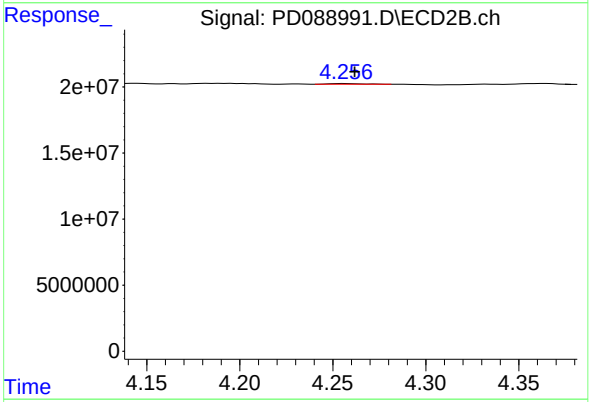
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 115562298
Conc: 10.75 ng/ml



#7 delta-BHC

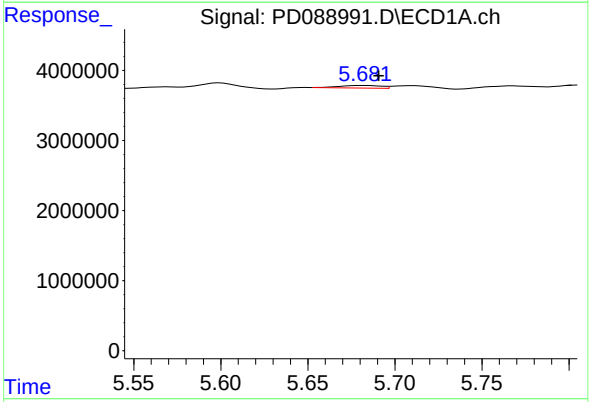
R.T.: 4.759 min
Delta R.T.: -0.005 min
Response: 328993
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



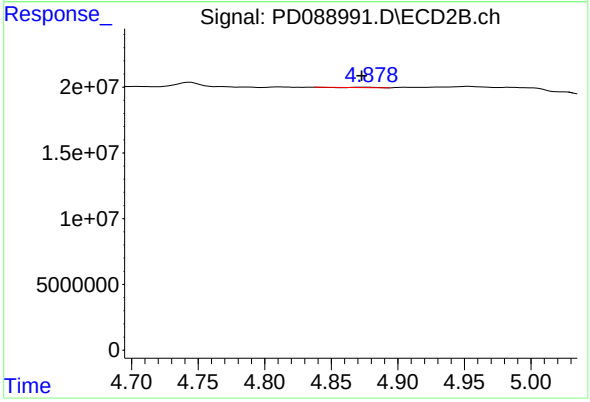
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.005 min
Response: 672486
Conc: 0.03 ng/ml



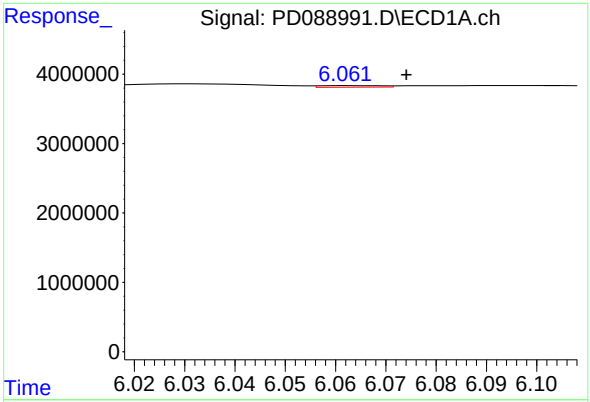
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.008 min
Response: 604315
Conc: 0.13 ng/ml



#8 Heptachlor epoxide

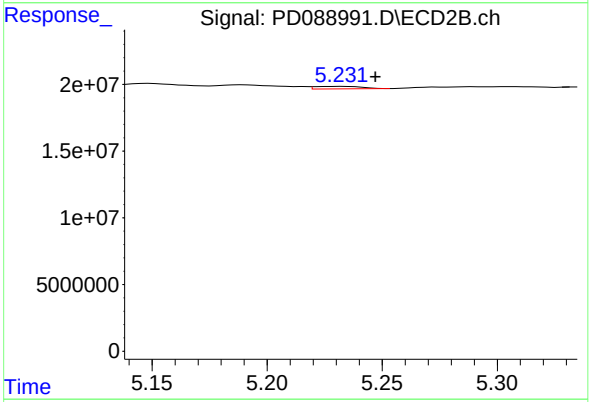
R.T.: 4.877 min
Delta R.T.: 0.004 min
Response: 225535
Conc: 0.01 ng/ml



#9 Endosulfan I

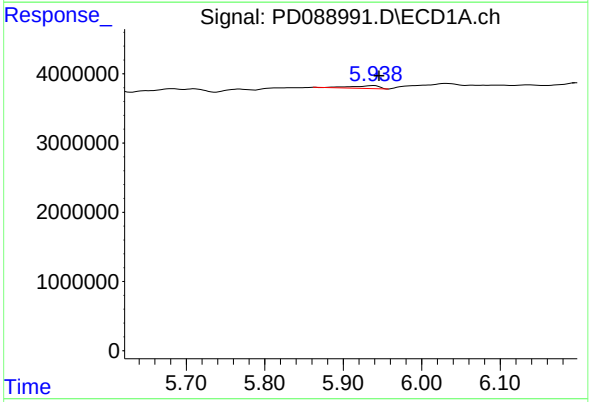
R.T.: 6.063 min
Delta R.T.: -0.011 min
Response: 185664
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



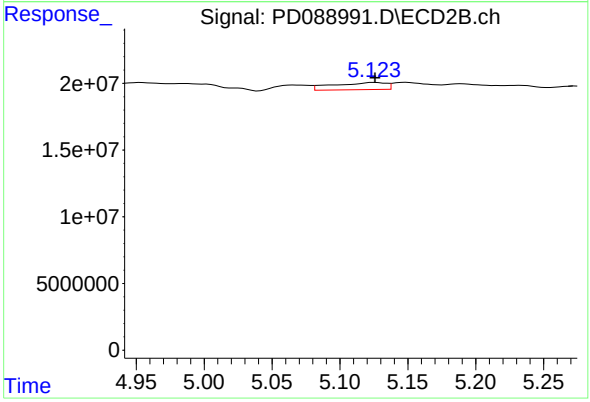
#9 Endosulfan I

R.T.: 5.232 min
Delta R.T.: -0.015 min
Response: 2653103
Conc: 0.13 ng/ml



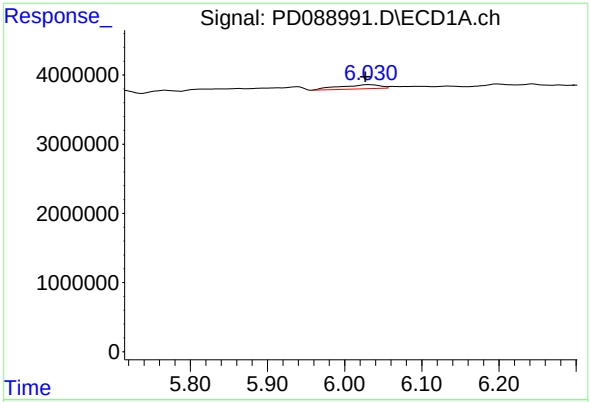
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.006 min
Response: 1056396
Conc: 0.22 ng/ml



#10 gamma-Chlordane

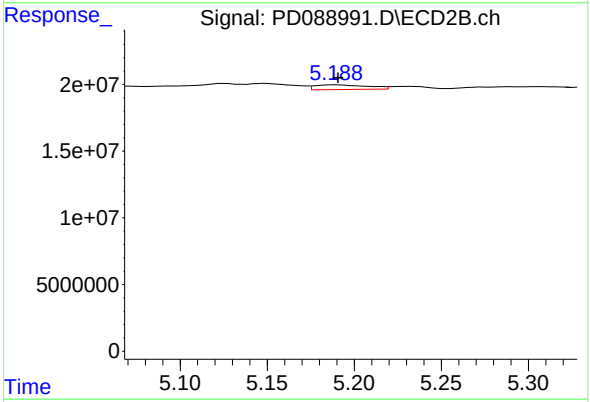
R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 14483909
Conc: 0.61 ng/ml



#11 alpha-Chlordane

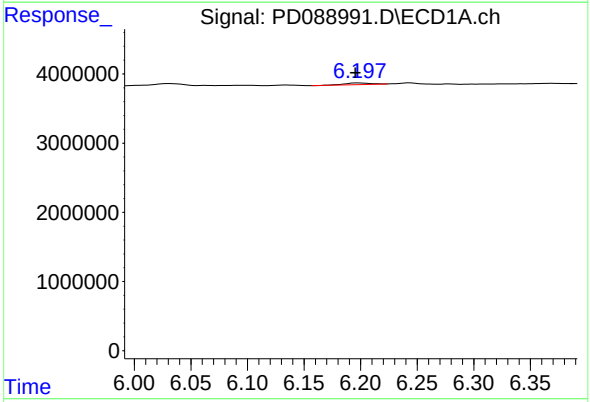
R.T.: 6.031 min
Delta R.T.: 0.004 min
Response: 2200311
Conc: 0.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



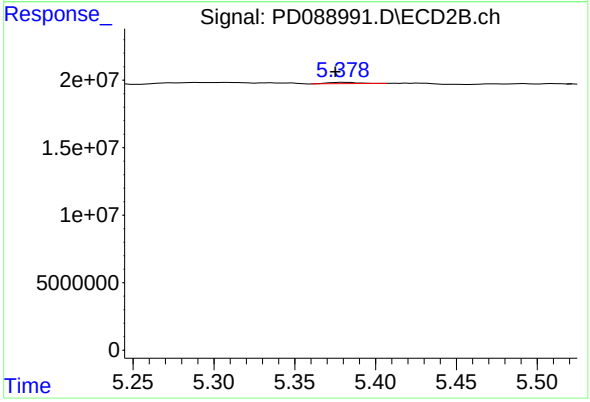
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.001 min
Response: 7400726
Conc: 0.32 ng/ml



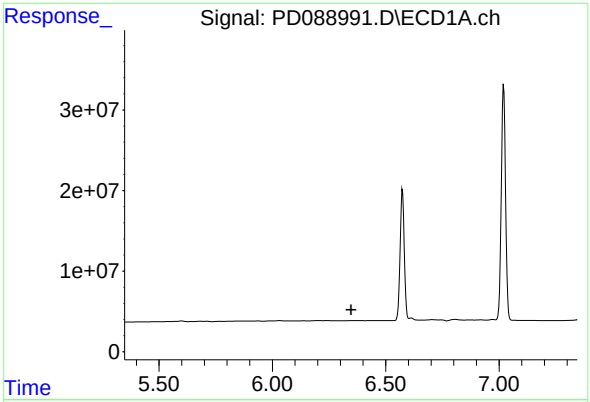
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.003 min
Response: 421481
Conc: 0.10 ng/ml



#12 4,4'-DDE

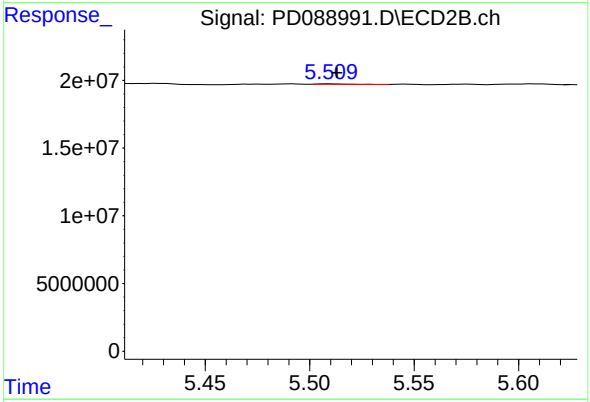
R.T.: 5.380 min
Delta R.T.: 0.005 min
Response: 1305007
Conc: 0.06 ng/ml



#13 Dieldrin

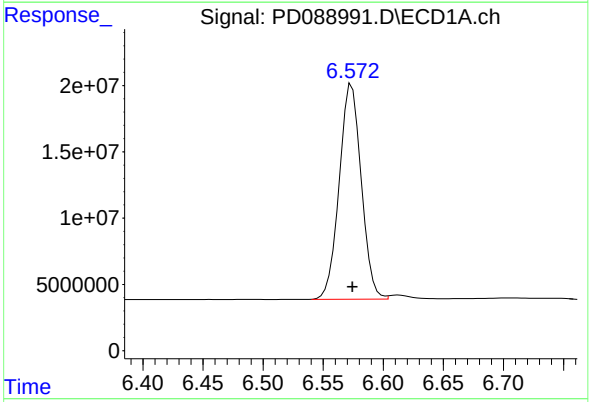
R.T.: 0.000 min
Exp R.T. : 6.347 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



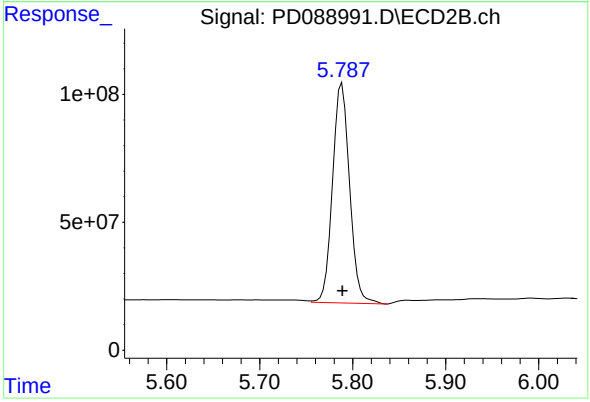
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 396108
Conc: 0.02 ng/ml



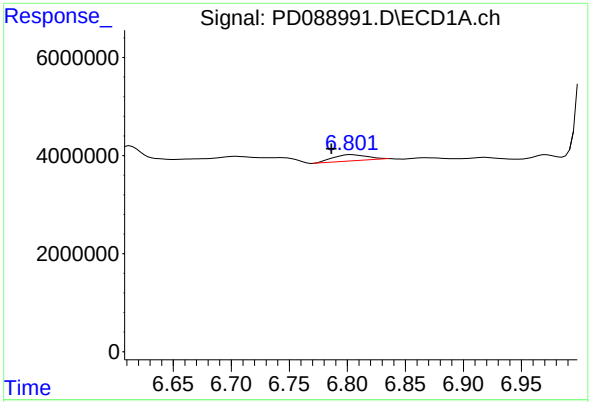
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 207333894
Conc: 50.26 ng/ml



#14 Endrin

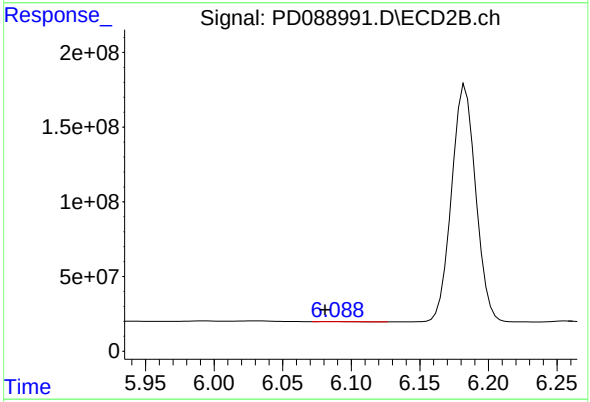
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1096382248
Conc: 50.49 ng/ml



#15 Endosulfan II

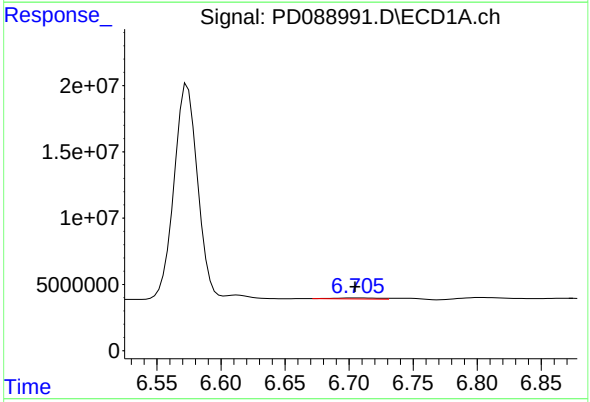
R.T.: 6.804 min
Delta R.T.: 0.018 min
Response: 2576735
Conc: 0.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



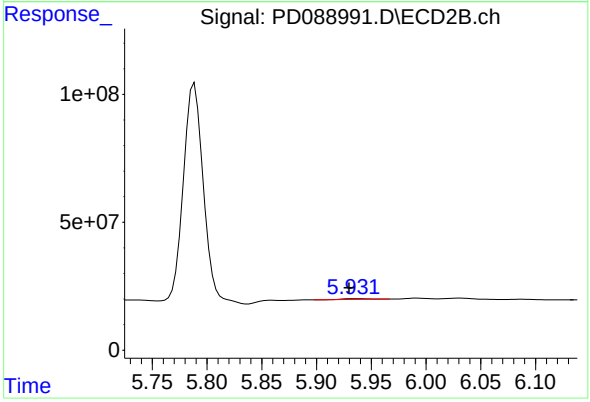
#15 Endosulfan II

R.T.: 6.088 min
Delta R.T.: 0.007 min
Response: 1532900
Conc: 0.08 ng/ml



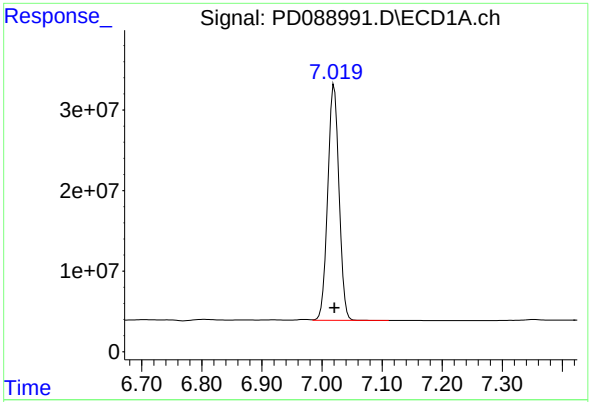
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 1952641
Conc: 0.57 ng/ml



#16 4,4'-DDD

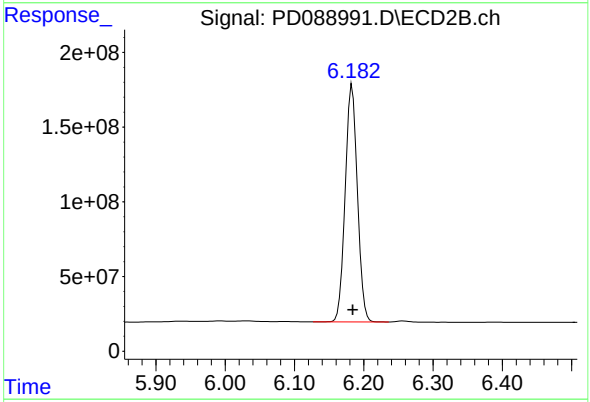
R.T.: 5.935 min
Delta R.T.: 0.005 min
Response: 4568938
Conc: 0.24 ng/ml



#17 4,4'-DDT

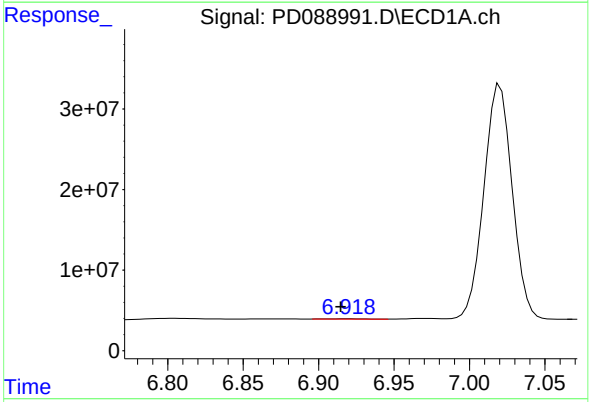
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 381930080
Conc: 100.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



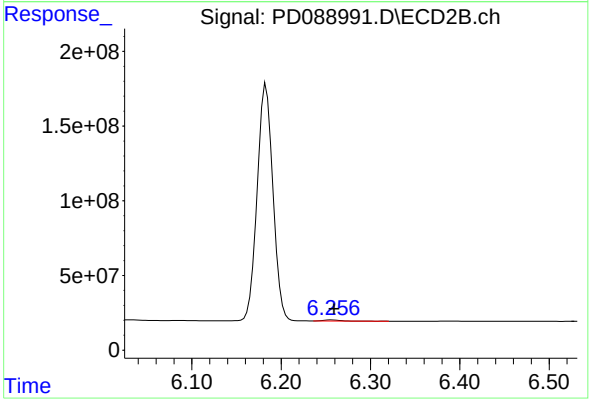
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 1948442735
Conc: 96.08 ng/ml



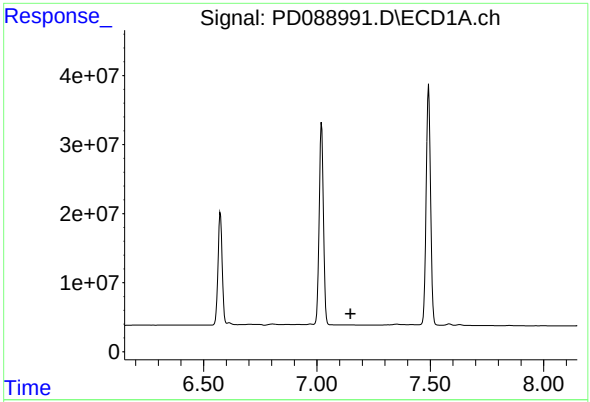
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.004 min
Response: 714479
Conc: 0.23 ng/ml



#18 Endrin aldehyde

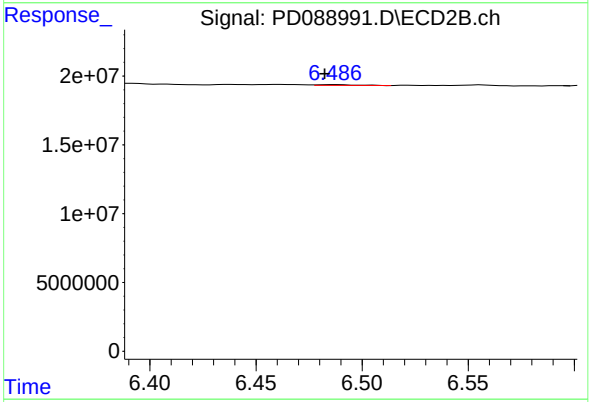
R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 9163240
Conc: 0.60 ng/ml



#19 Endosulfan Sulfate

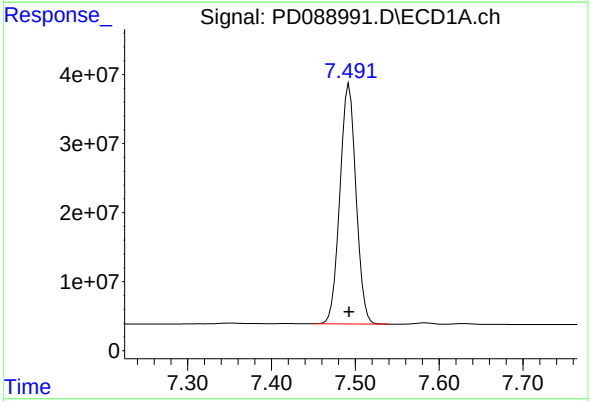
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



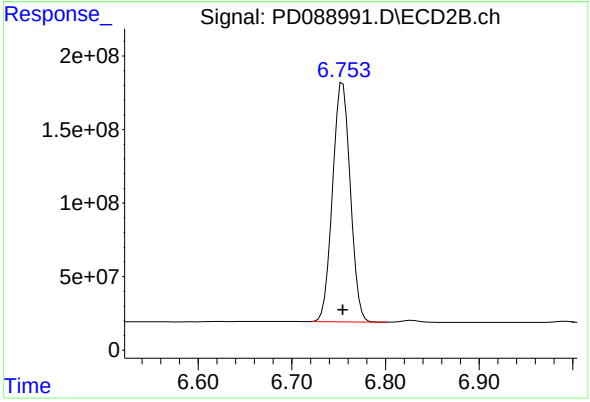
#19 Endosulfan Sulfate

R.T.: 6.487 min
Delta R.T.: 0.005 min
Response: 785854
Conc: 0.04 ng/ml



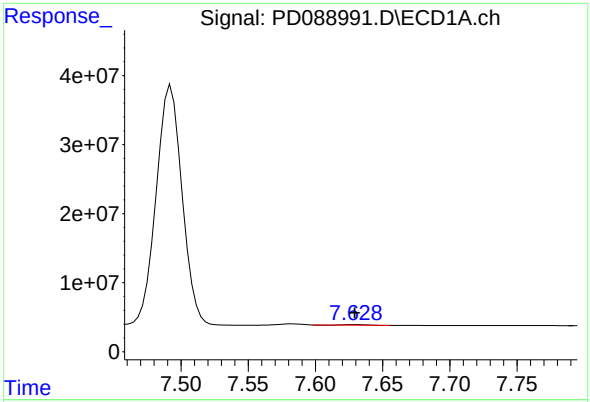
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 464493118
Conc: 229.88 ng/ml



#20 Methoxychlor

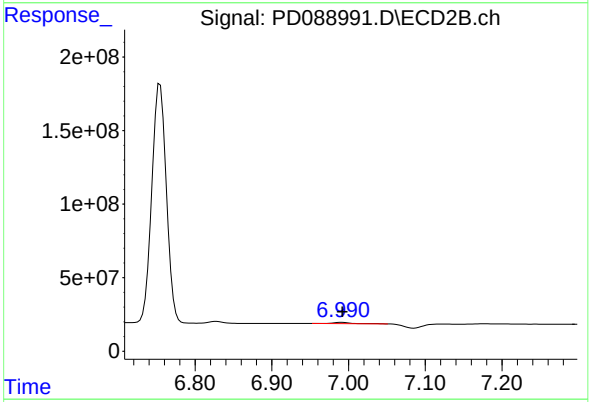
R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 2141368292
Conc: 198.86 ng/ml



#21 Endrin ketone

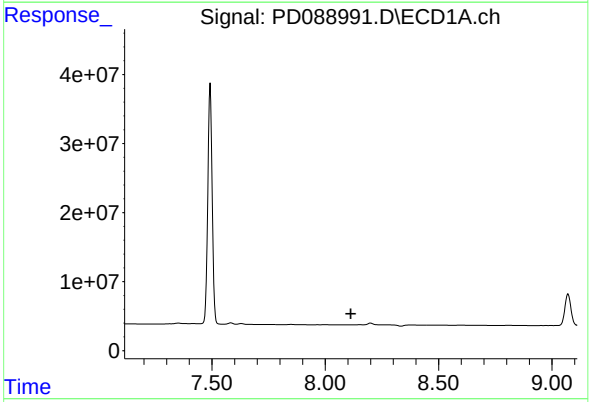
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 819360
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



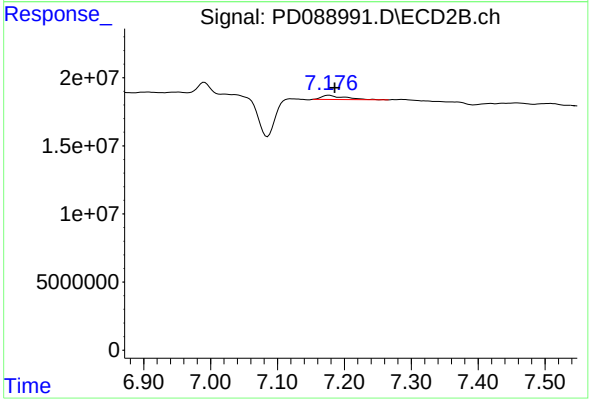
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 12685047
Conc: 0.59 ng/ml



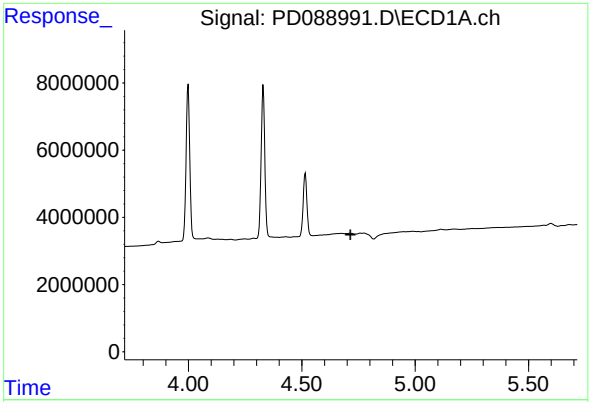
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.113 min
Response: 0
Conc: N.D.



#22 Mirex

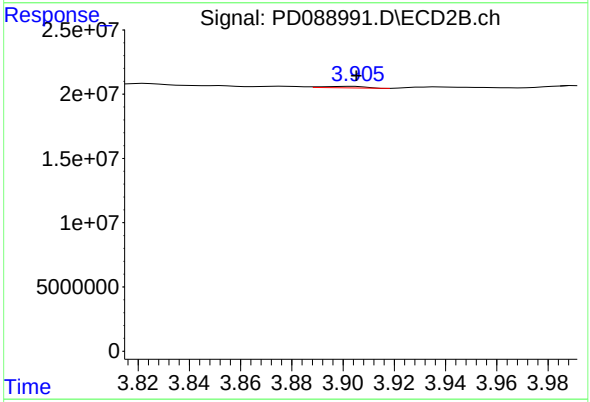
R.T.: 7.177 min
Delta R.T.: -0.009 min
Response: 7541381
Conc: 0.45 ng/ml



#23 Chlordane-1

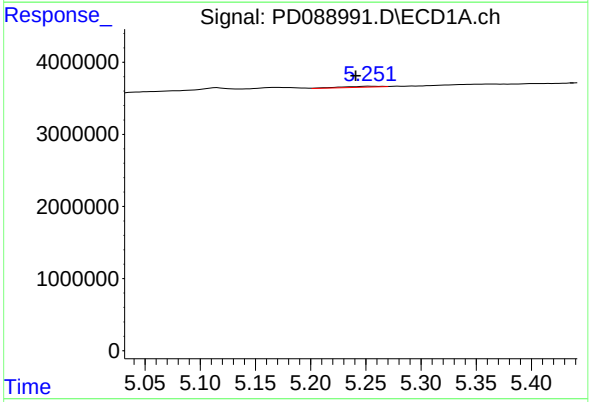
R.T.: 0.000 min
Exp R.T. : 4.715 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



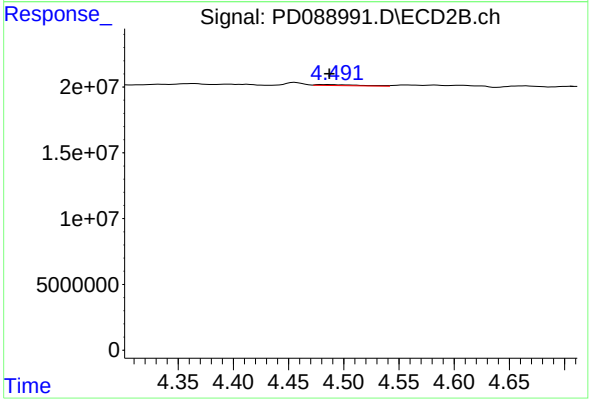
#23 Chlordane-1

R.T.: 3.904 min
Delta R.T.: -0.002 min
Response: 1306596
Conc: 1.40 ng/ml



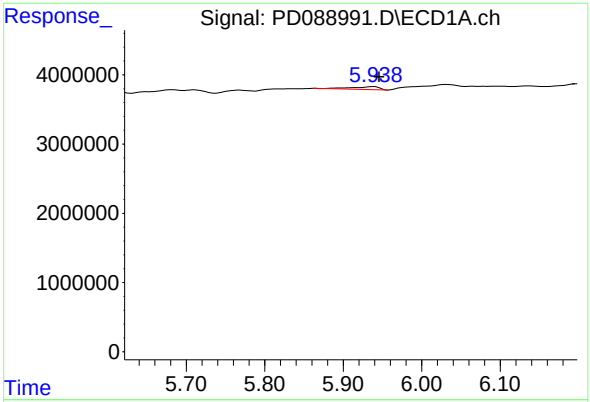
#24 Chlordane-2

R.T.: 5.253 min
Delta R.T.: 0.012 min
Response: 347572
Conc: 1.59 ng/ml



#24 Chlordane-2

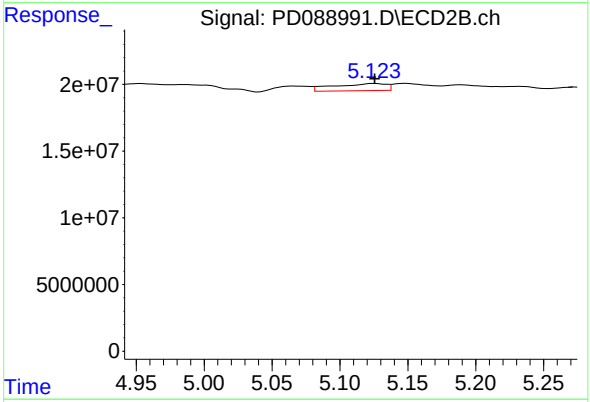
R.T.: 4.486 min
Delta R.T.: 0.000 min
Response: 2059194
Conc: 2.16 ng/ml



#25 Chlordane-3

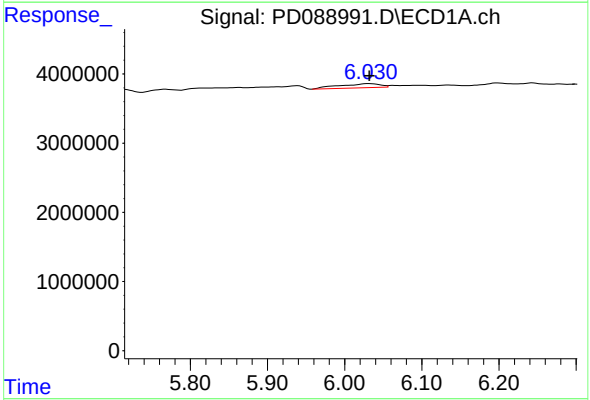
R.T.: 5.939 min
Delta R.T.: -0.007 min
Response: 1056396
Conc: 1.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



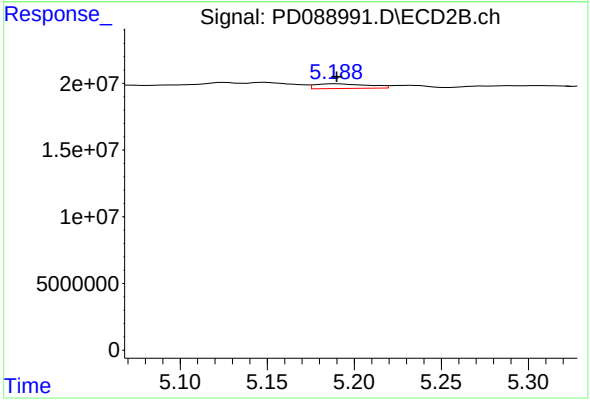
#25 Chlordane-3

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 14483909
Conc: 4.88 ng/ml



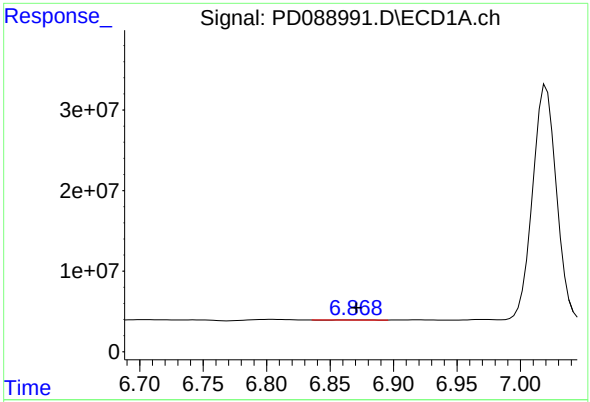
#26 Chlordane-4

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 2200311
Conc: 2.09 ng/ml



#26 Chlordane-4

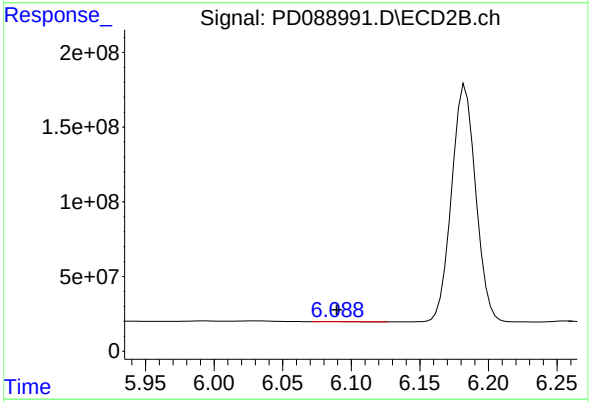
R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 7400726
Conc: 2.95 ng/ml



#27 Chlordane-5

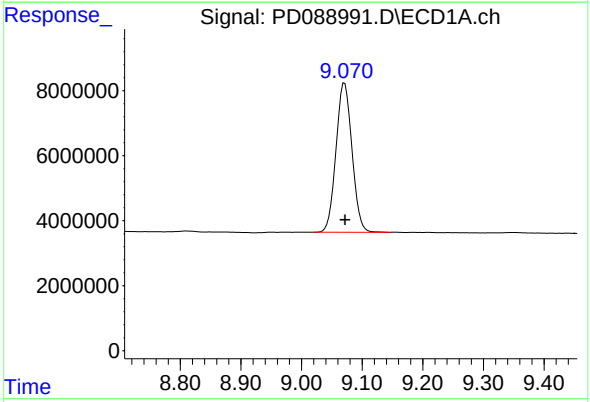
R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 367451
Conc: 2.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



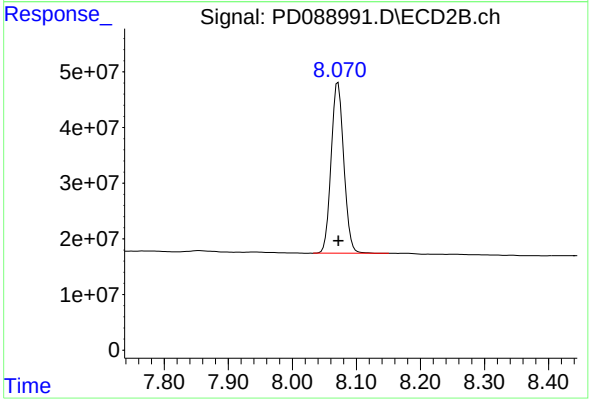
#27 Chlordane-5

R.T.: 6.088 min
Delta R.T.: -0.002 min
Response: 1532900
Conc: 1.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 84217746
Conc: 21.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 420967077
Conc: 21.29 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:33
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: Jun 18 05:23:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.881	68795424	418.3E6	24.860	26.178
28)	SA Decachlor...	9.072	8.072	97448897	485.7E6	25.827	26.355
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	135.4E6	653.8E6	23.056	25.294
3)	MA gamma-BHC...	4.330	3.729	130.5E6	605.5E6	23.451	25.496
4)	MA Heptachlor	4.929	4.083	127.9E6	617.9E6	23.870	25.830
5)	MB Aldrin	5.271	4.368	124.7E6	596.3E6	23.737	25.748
6)	B beta-BHC	4.515	4.025	53616740	265.6E6	25.082	26.044
7)	B delta-BHC	4.763	4.261	118.8E6	607.5E6	22.920	25.397
8)	B Heptachlo...	5.690	4.872	113.9E6	542.4E6	23.974	26.042
9)	A Endosulfan I	6.074	5.247	107.2E6	518.8E6	24.301	26.860
10)	B gamma-Chl...	5.945	5.125	112.7E6	587.3E6	23.901	26.082
11)	B alpha-Chl...	6.026	5.190	114.6E6	562.9E6	24.207	26.097
12)	B 4,4'-DDE	6.195	5.375	102.3E6	564.1E6	23.724	25.848
13)	MA Dieldrin	6.346	5.513	113.2E6	573.5E6	23.828	25.928
14)	MA Endrin	6.574	5.789	96953033	569.9E6	23.668	27.606
15)	B Endosulfa...	6.786	6.080	95412213	500.1E6	23.841	26.199
16)	A 4,4'-DDD	6.704	5.929	80716755	470.1E6	23.642	25.845
17)	MA 4,4'-DDT	7.020	6.183	89516720	500.1E6	23.786	25.525
18)	B Endrin al...	6.914	6.258	74170726	379.9E6	25.022	26.419
19)	B Endosulfa...	7.148	6.481	91685883	485.2E6	24.504	26.239
20)	A Methoxychlor	7.492	6.753	49551931	270.8E6	25.134	26.394
21)	B Endrin ke...	7.629	6.990	97399015	538.4E6	24.320	26.331
22)	Mirex	8.113	7.184	74764205	414.2E6	25.753	26.583

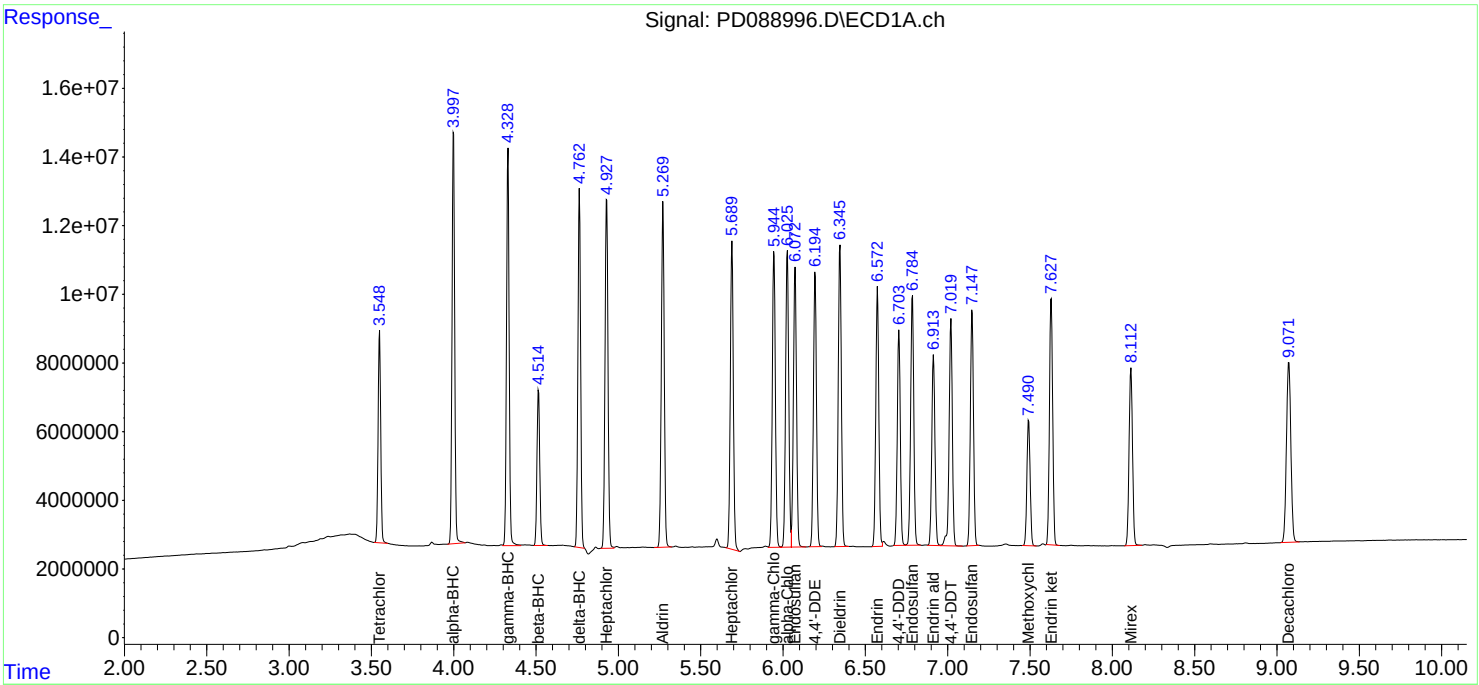
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

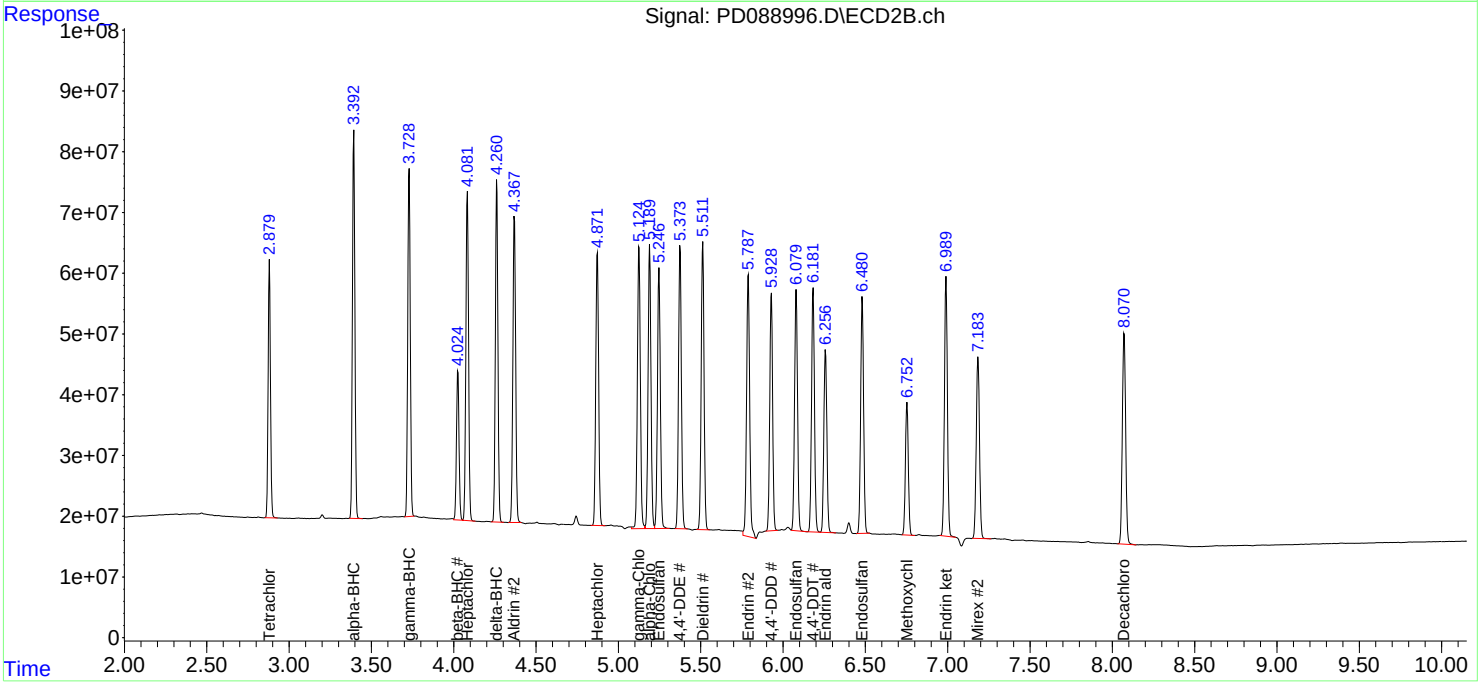
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

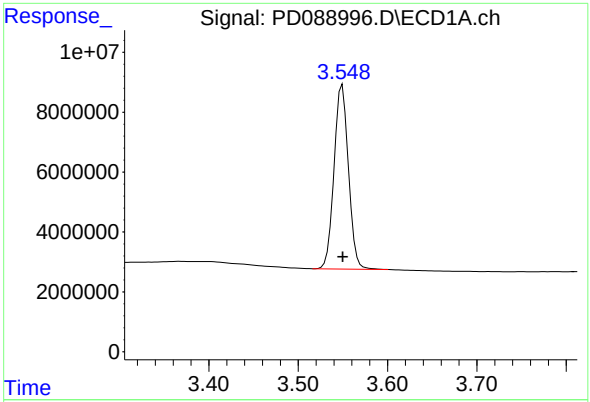
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



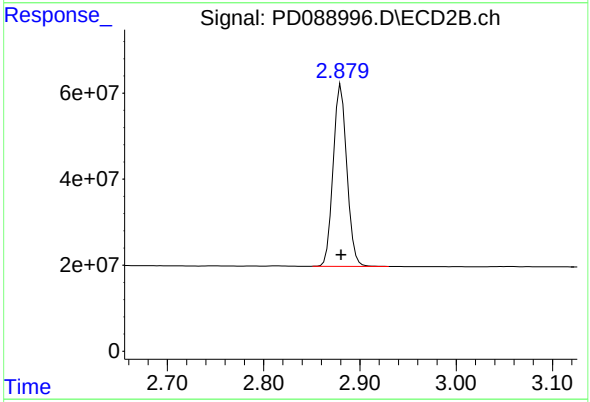




#1 Tetrachloro-m-xylene

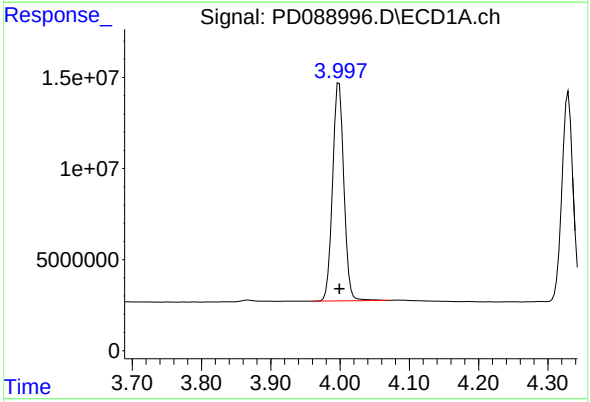
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 68795424
Conc: 24.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



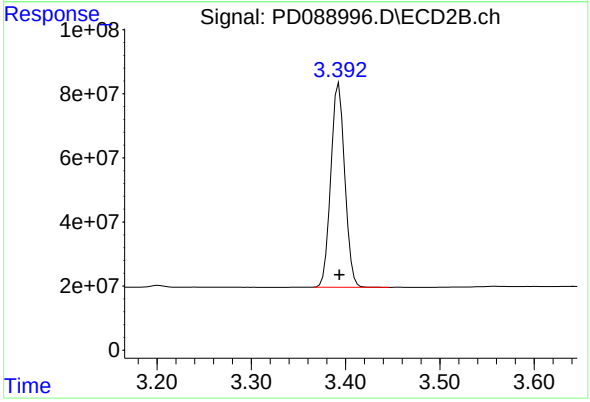
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 418273738
Conc: 26.18 ng/ml



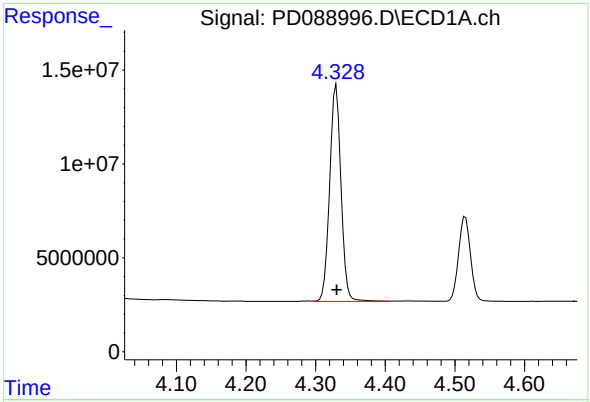
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 135447729
Conc: 23.06 ng/ml



#2 alpha-BHC

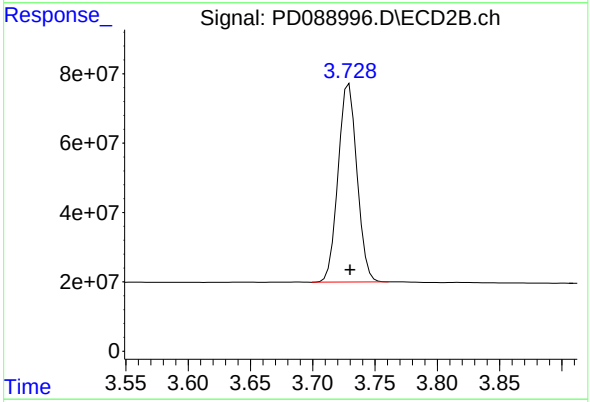
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 653826479
Conc: 25.29 ng/ml



#3 gamma-BHC (Lindane)

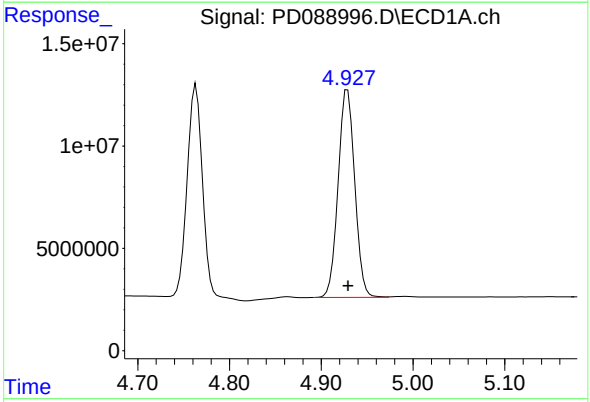
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 130542138
Conc: 23.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



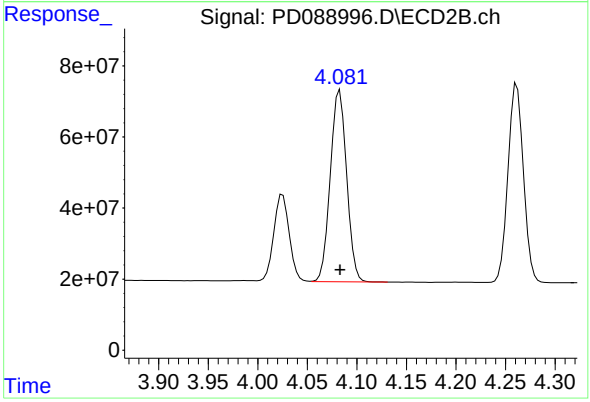
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 605536892
Conc: 25.50 ng/ml



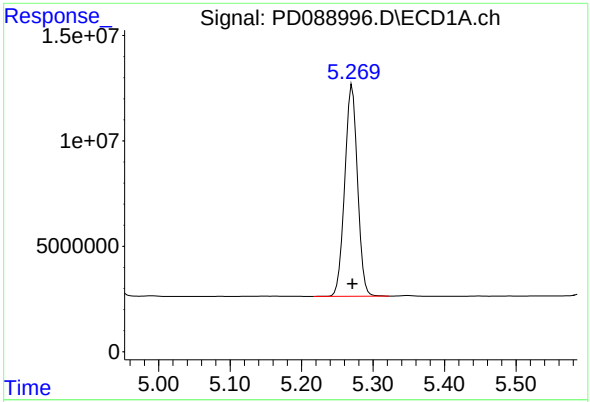
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 127907853
Conc: 23.87 ng/ml



#4 Heptachlor

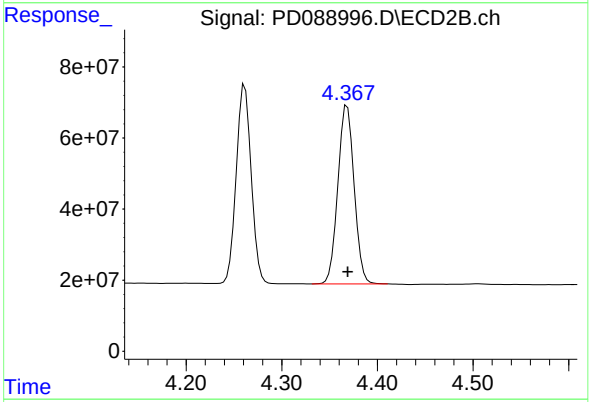
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 617900048
Conc: 25.83 ng/ml



#5 Aldrin

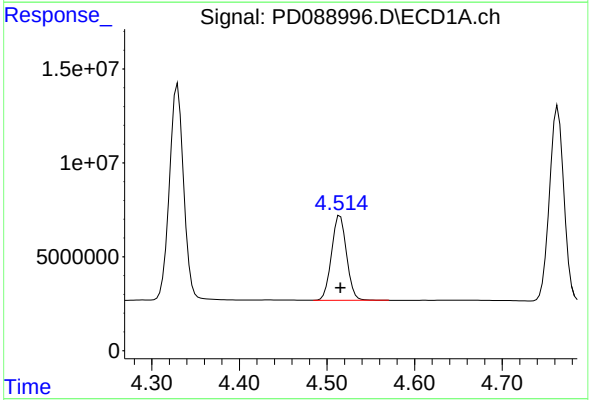
R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 124732576
Conc: 23.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



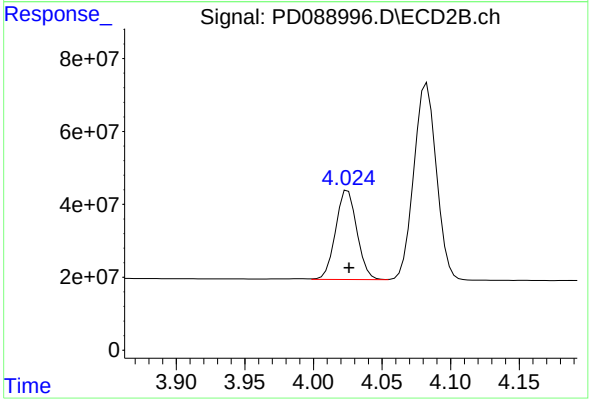
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 596319932
Conc: 25.75 ng/ml



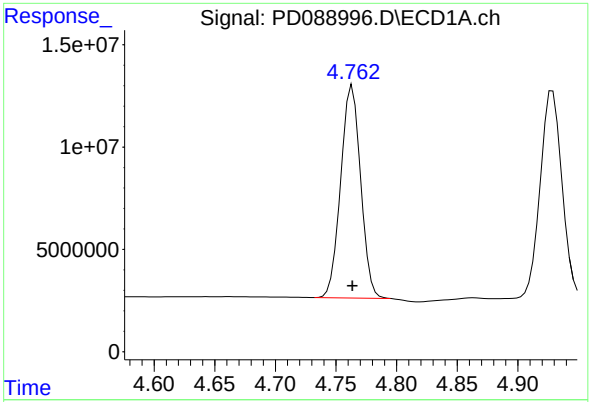
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 53616740
Conc: 25.08 ng/ml



#6 beta-BHC

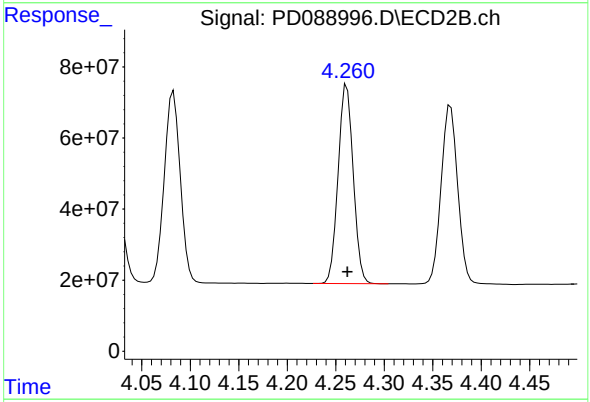
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 265601460
Conc: 26.04 ng/ml



#7 delta-BHC

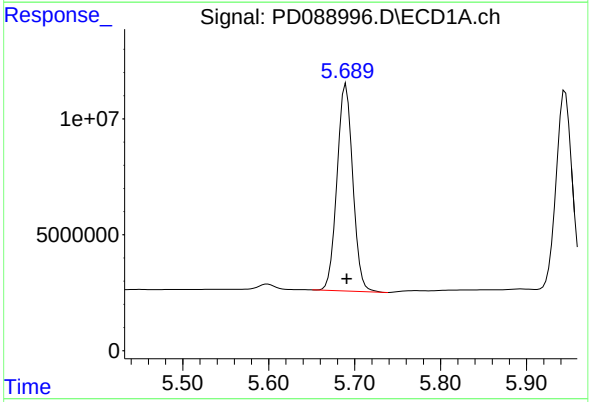
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 118779756
Conc: 22.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



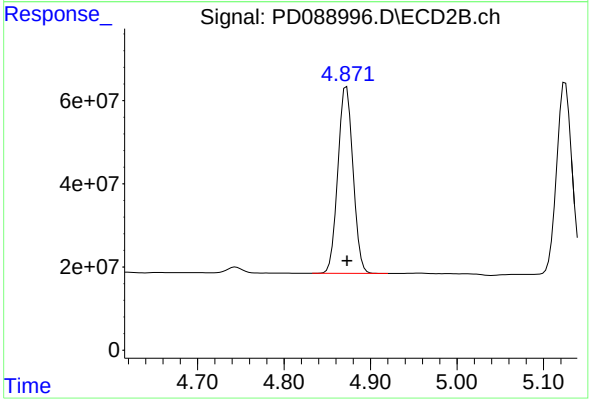
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 607458739
Conc: 25.40 ng/ml



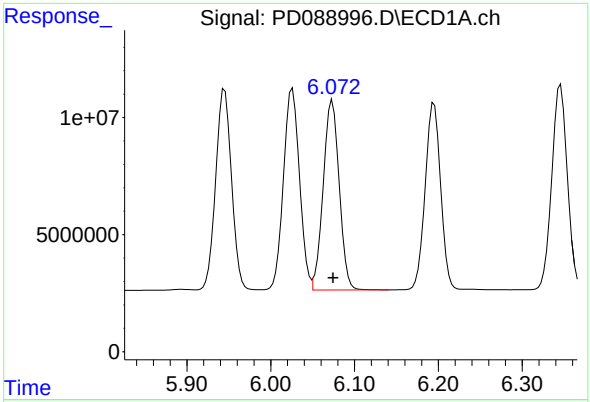
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 113867318
Conc: 23.97 ng/ml



#8 Heptachlor epoxide

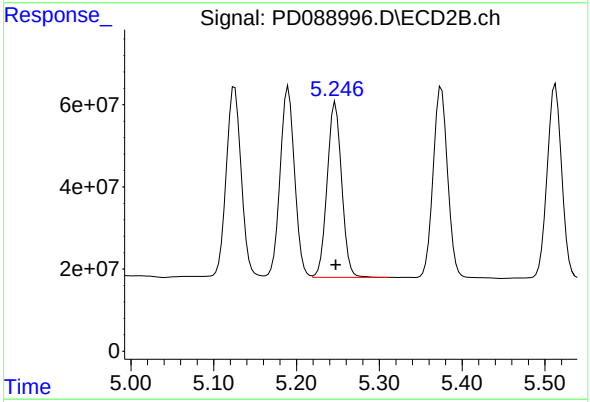
R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 542382485
Conc: 26.04 ng/ml



#9 Endosulfan I

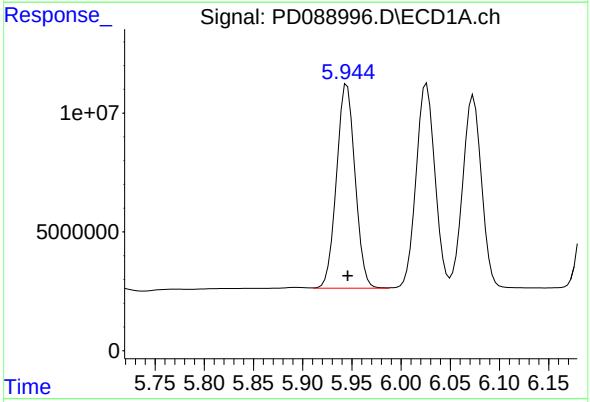
R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 107230080
Conc: 24.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



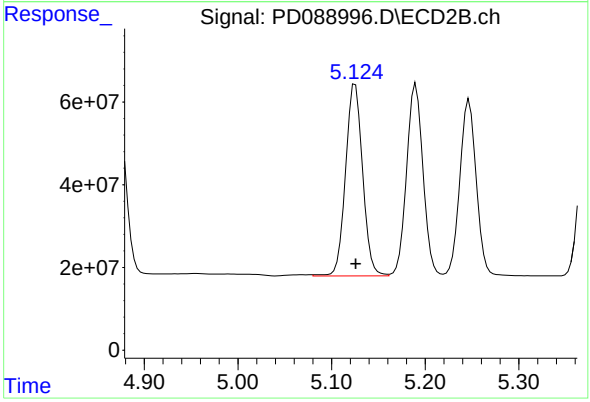
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 518823159
Conc: 26.86 ng/ml



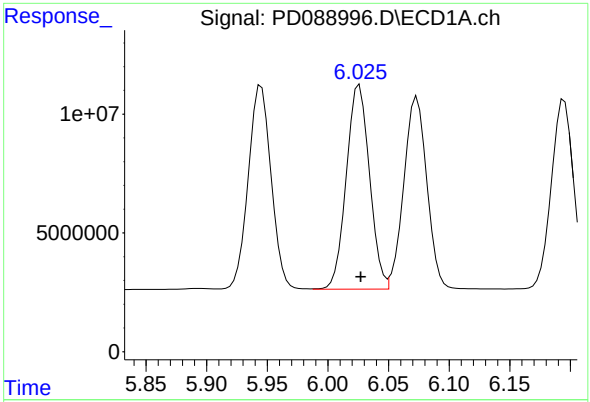
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 112720219
Conc: 23.90 ng/ml



#10 gamma-Chlordane

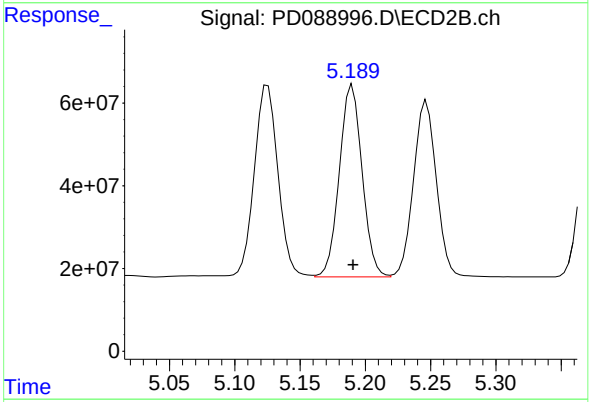
R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 587342881
Conc: 26.08 ng/ml



#11 alpha-Chlordane

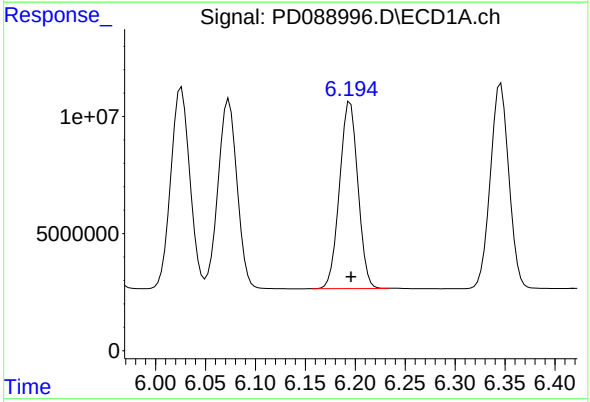
R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 114609874
Conc: 24.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



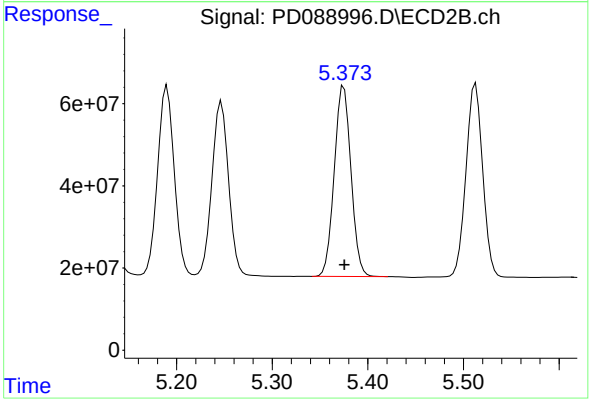
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 562930690
Conc: 26.10 ng/ml



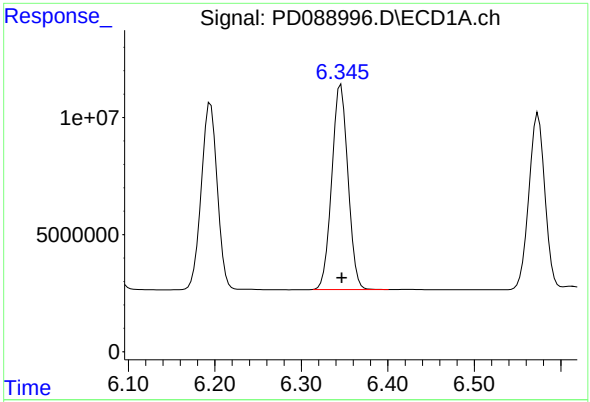
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.001 min
Response: 102307711
Conc: 23.72 ng/ml



#12 4,4'-DDE

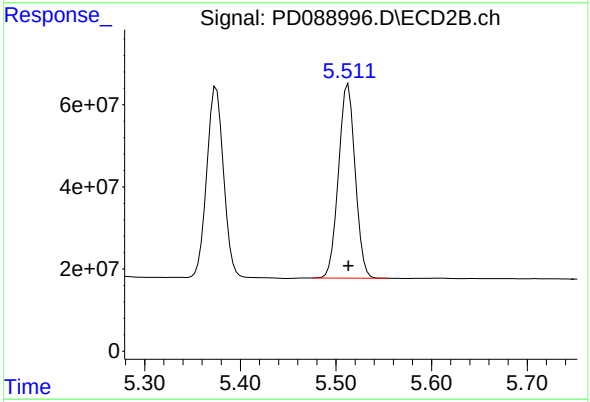
R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 564101579
Conc: 25.85 ng/ml



#13 Dieldrin

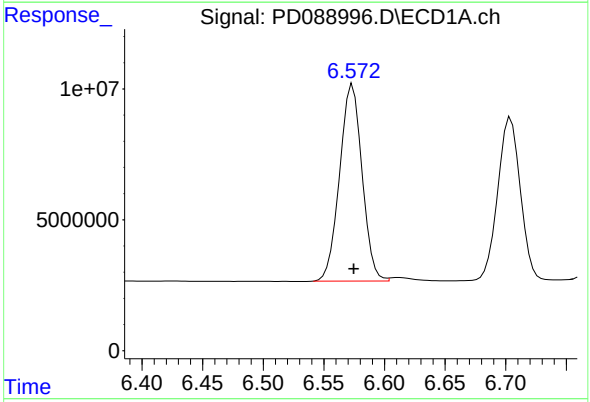
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 113187779
Conc: 23.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



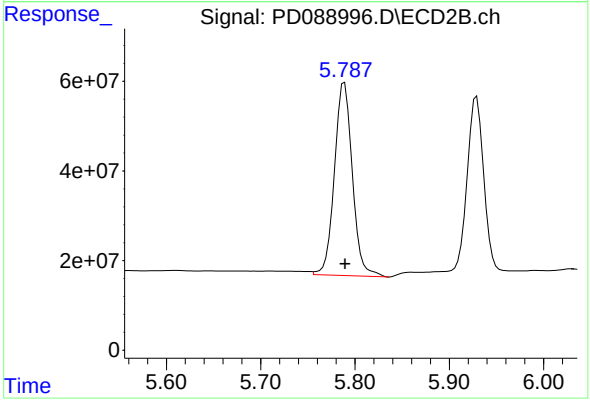
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 573545021
Conc: 25.93 ng/ml



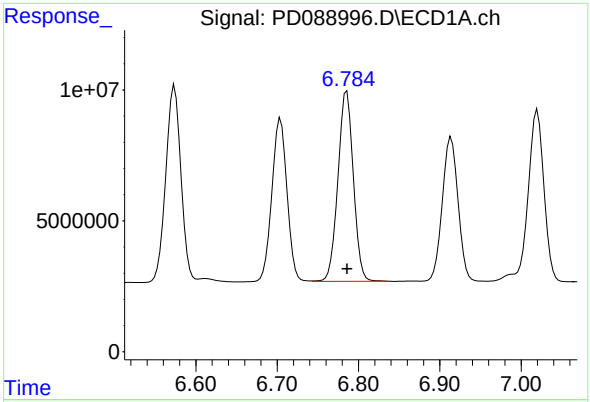
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 96953033
Conc: 23.67 ng/ml



#14 Endrin

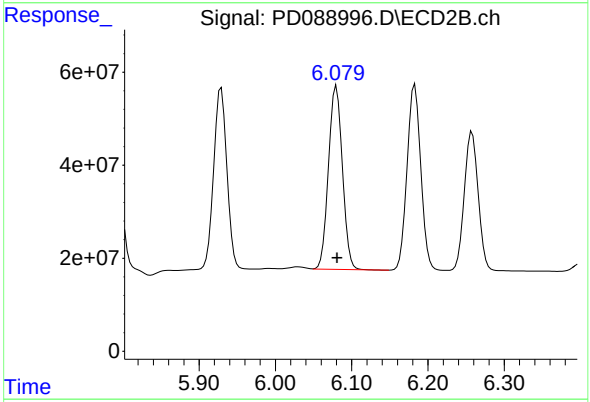
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 569910421
Conc: 27.61 ng/ml



#15 Endosulfan II

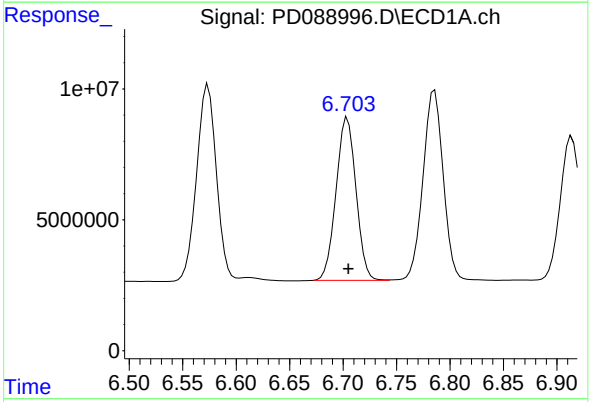
R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 95412213
Conc: 23.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



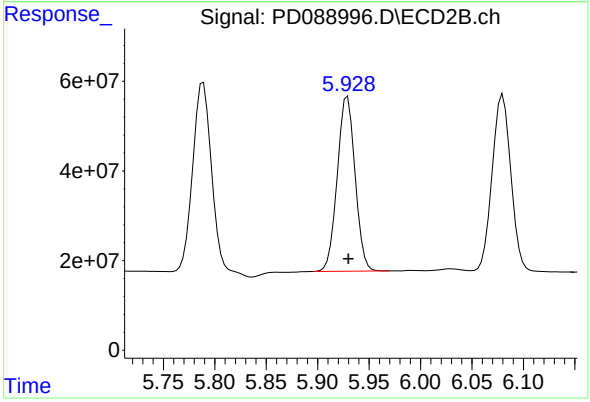
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 500058034
Conc: 26.20 ng/ml



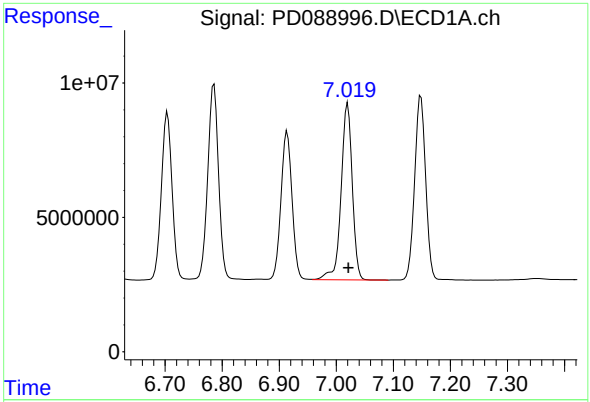
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 80716755
Conc: 23.64 ng/ml



#16 4,4'-DDD

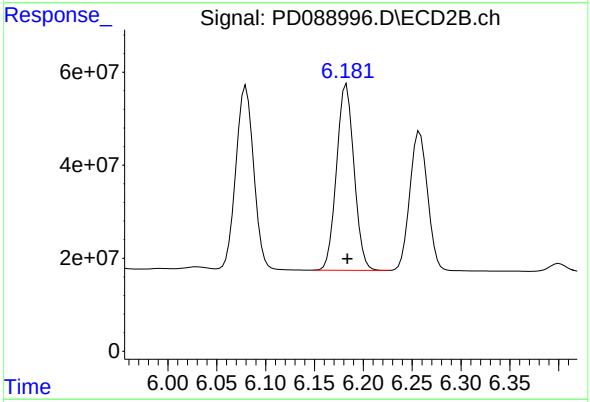
R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 470144982
Conc: 25.84 ng/ml



#17 4,4'-DDT

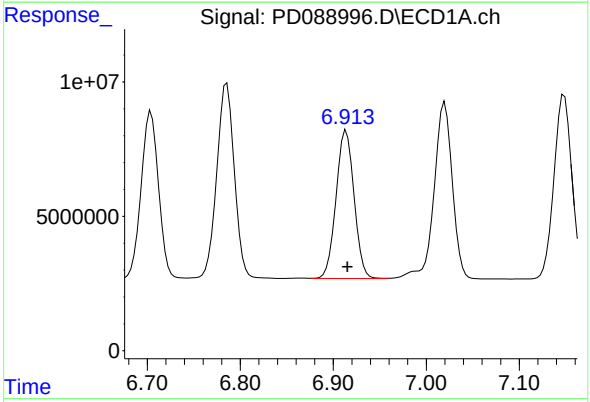
R.T.: 7.020 min
Delta R.T.: -0.001 min
Response: 89516720
Conc: 23.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



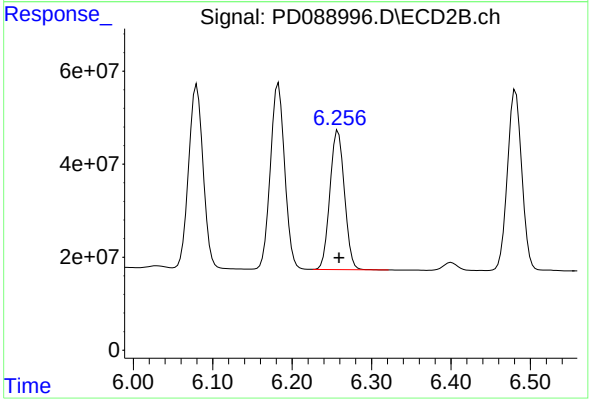
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 500130733
Conc: 25.52 ng/ml



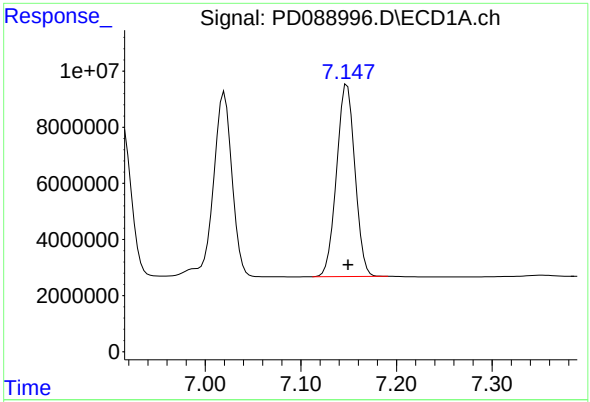
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.001 min
Response: 74170726
Conc: 25.02 ng/ml



#18 Endrin aldehyde

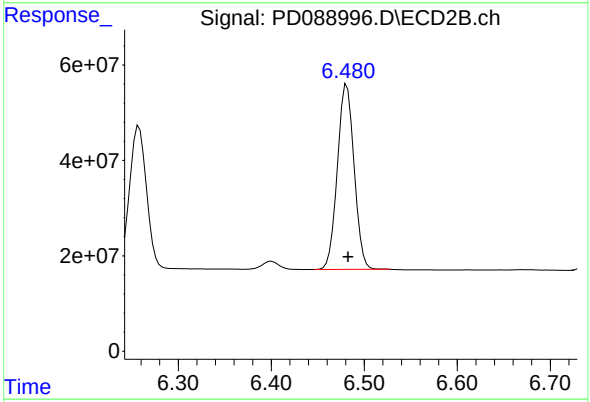
R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 379888475
Conc: 26.42 ng/ml



#19 Endosulfan Sulfate

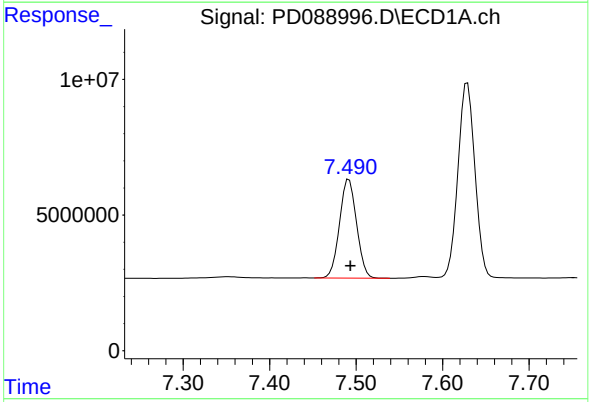
R.T.: 7.148 min
Delta R.T.: -0.001 min
Response: 91685883
Conc: 24.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



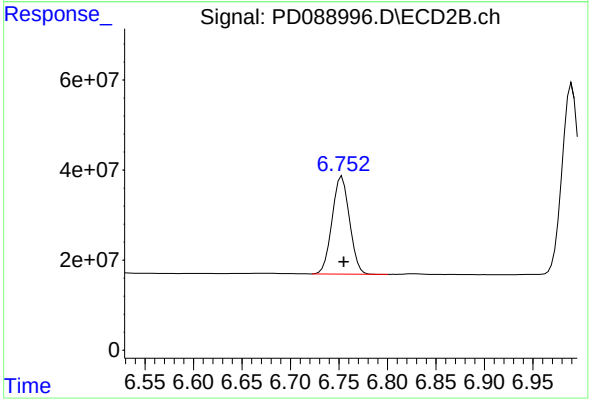
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 485230575
Conc: 26.24 ng/ml



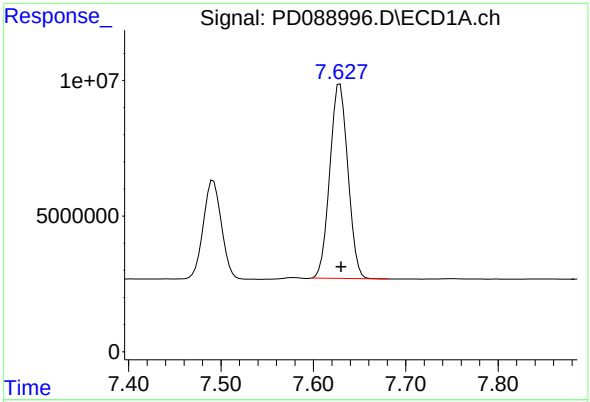
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.002 min
Response: 49551931
Conc: 25.13 ng/ml



#20 Methoxychlor

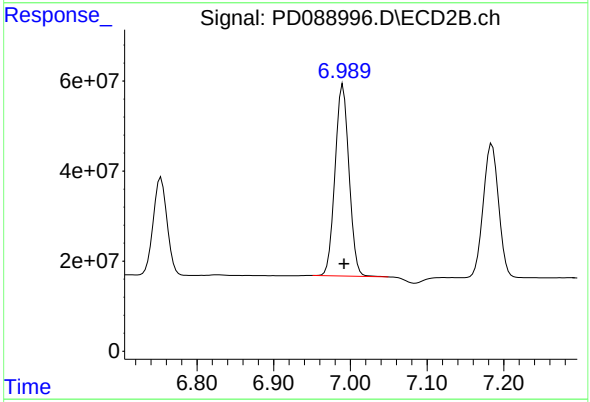
R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 270772800
Conc: 26.39 ng/ml



#21 Endrin ketone

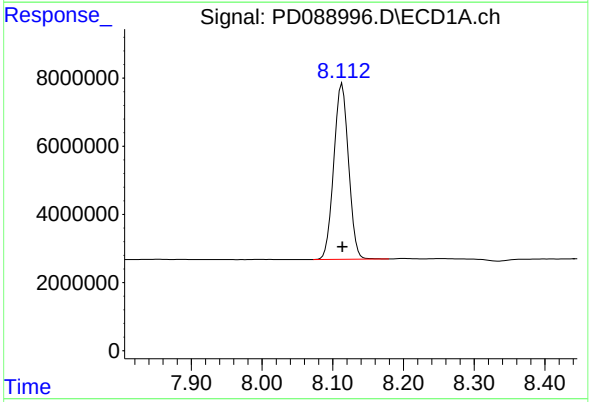
R.T.: 7.629 min
Delta R.T.: -0.001 min
Response: 97399015
Conc: 24.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



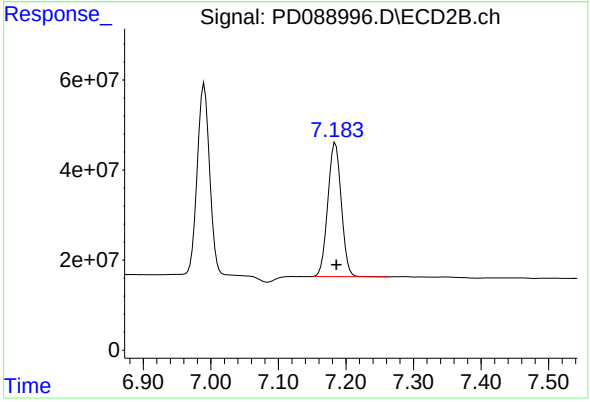
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 538381272
Conc: 26.33 ng/ml



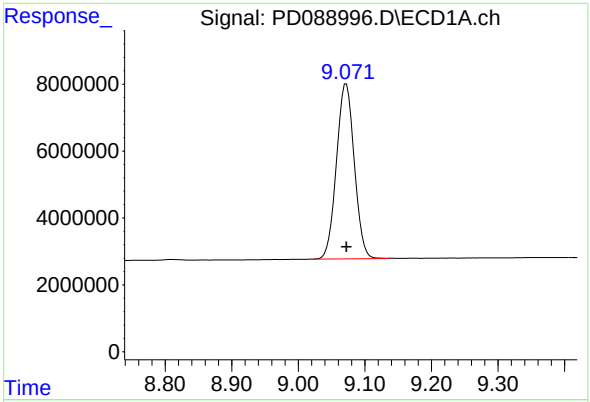
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 74764205
Conc: 25.75 ng/ml



#22 Mirex

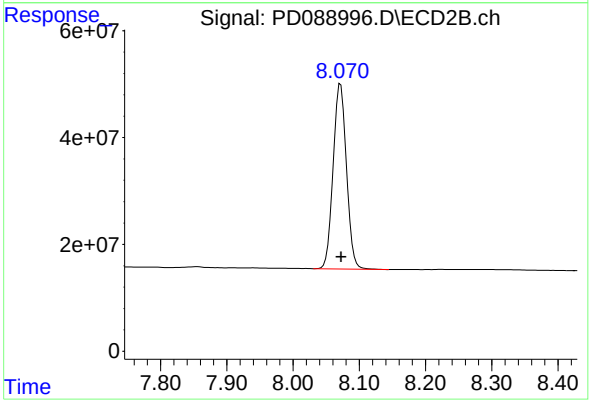
R.T.: 7.184 min
Delta R.T.: -0.001 min
Response: 414205523
Conc: 26.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 97448897
Conc: 25.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 485687735
Conc: 26.36 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:47
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: Jun 18 05:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.880	15861136	101.6E6	5.732	6.356
28)	SA Decachlor...	9.073	8.072	23699682	125.5E6	6.281	6.812
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	27627643	154.5E6	4.703	5.976 #
3)	MA gamma-BHC...	4.330	3.729	27664017	143.7E6	4.970	6.052
4)	MA Heptachlor	4.929	4.083	28667725	149.5E6	5.350	6.249
5)	MB Aldrin	5.270	4.368	27520008	143.0E6	5.237	6.176
6)	B beta-BHC	4.515	4.025	12578663	65433774	5.884	6.416
7)	B delta-BHC	4.763	4.262	24463430	145.0E6	4.721	6.063 #
8)	B Heptachlo...	5.690	4.873	26734361	133.2E6	5.629	6.394
9)	A Endosulfan I	6.074	5.247	24592339	128.9E6	5.573	6.671
10)	B gamma-Chl...	5.946	5.126	25225085	146.7E6	5.349	6.516
11)	B alpha-Chl...	6.026	5.190	26148512	140.3E6	5.523	6.504
12)	B 4,4'-DDE	6.194	5.375	22175565	137.0E6	5.142	6.280
13)	MA Dieldrin	6.346	5.512	24894050	139.6E6	5.241	6.311
14)	MA Endrin	6.573	5.789	21528490	156.8E6	5.255	7.596 #
15)	B Endosulfa...	6.785	6.080	22765018	124.2E6	5.688	6.509
16)	A 4,4'-DDD	6.704	5.929	17603896	115.0E6	5.156	6.321
17)	MA 4,4'-DDT	7.020	6.183	19332472	115.4E6	5.137	5.889
18)	B Endrin al...	6.914	6.259	17443585	96439397	5.885	6.707
19)	B Endosulfa...	7.149	6.482	21359951	121.2E6	5.709	6.553
20)	A Methoxychlor	7.493	6.754	11522878	65700483	5.845	6.404
21)	B Endrin ke...	7.630	6.991	22217957	135.7E6	5.548	6.636
22)	Mirex	8.113	7.185	18484356	106.1E6	6.367	6.807

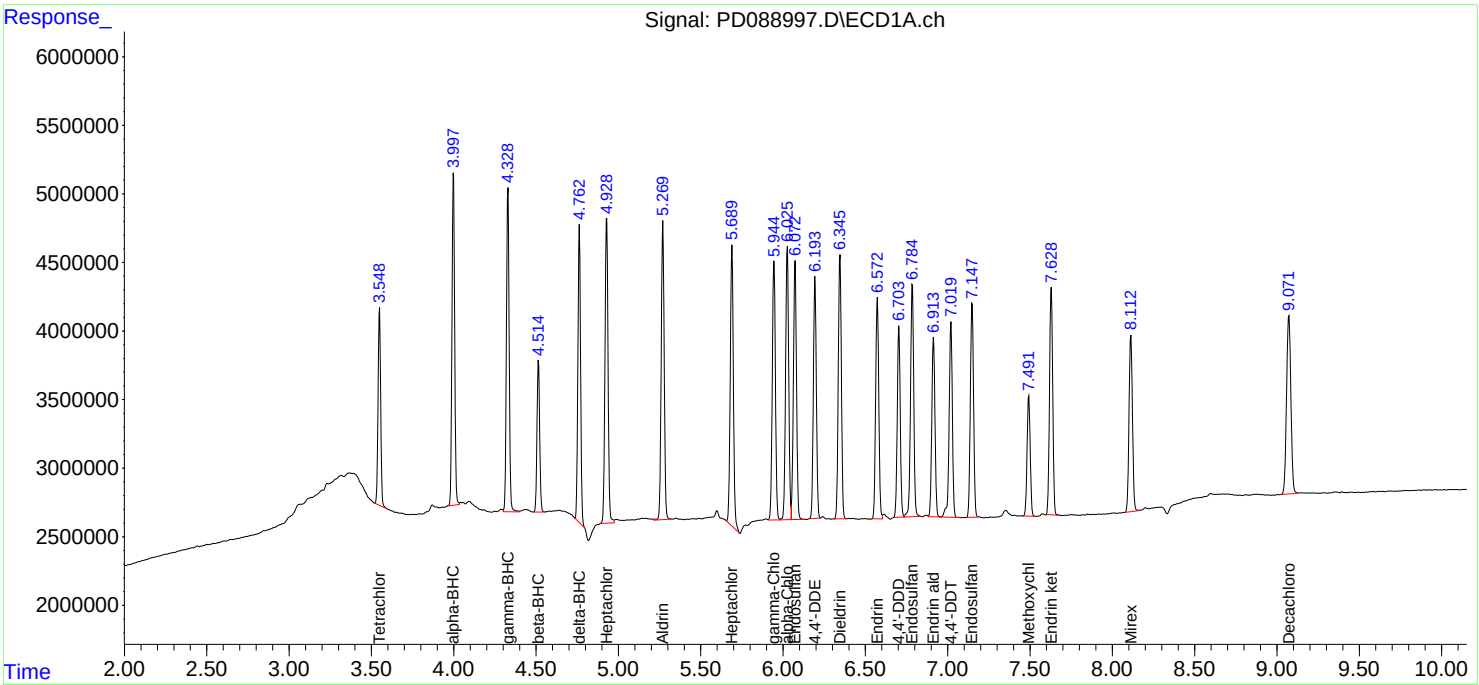
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

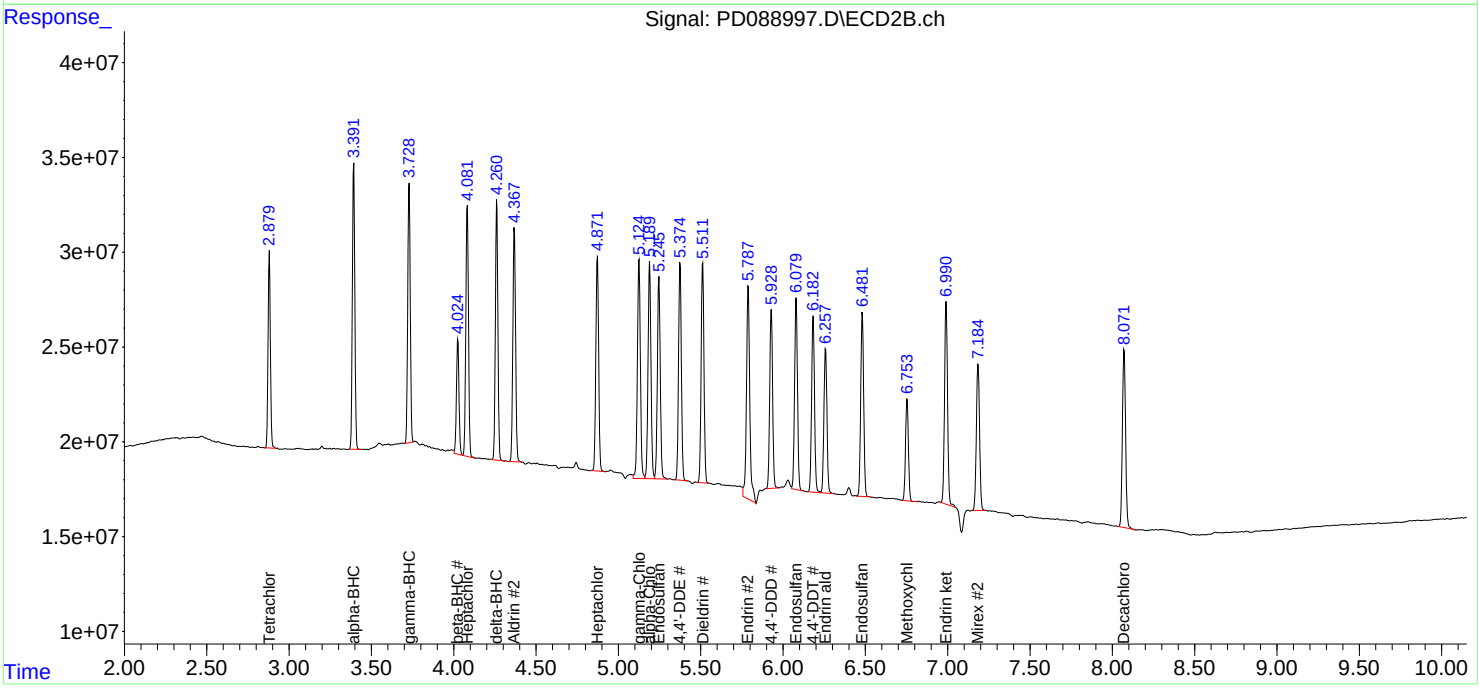
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

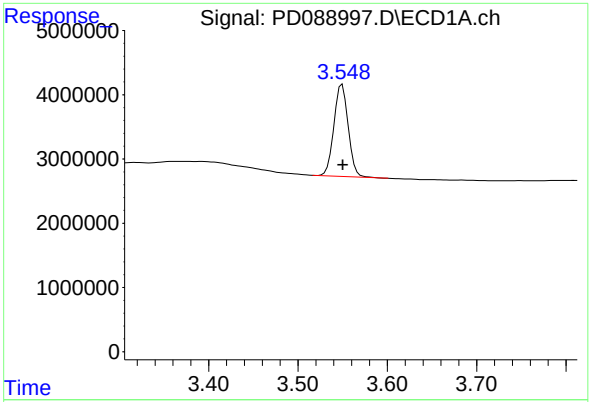
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



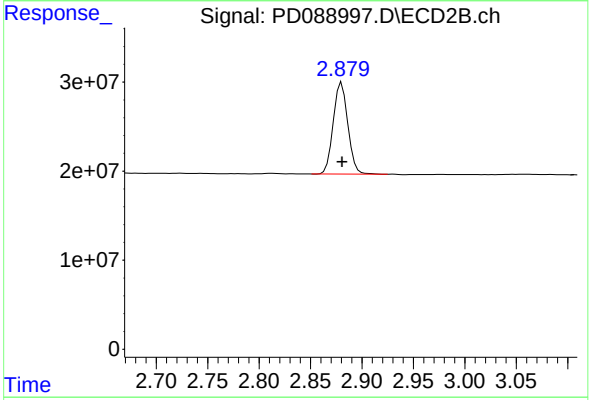




#1 Tetrachloro-m-xylene

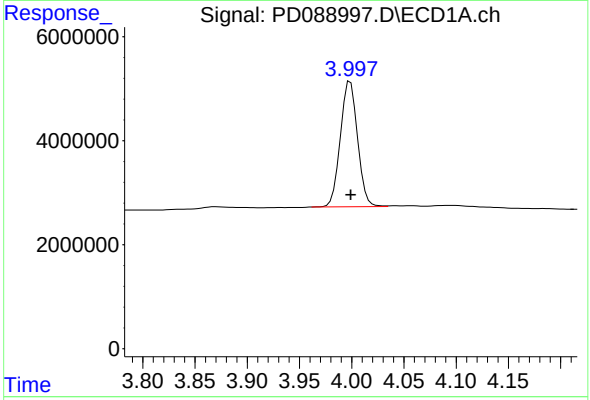
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 15861136
Conc: 5.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



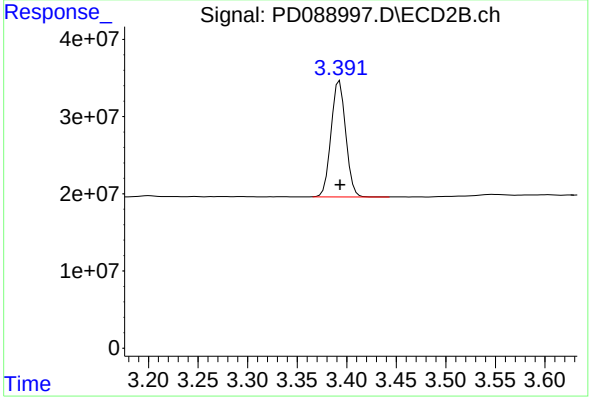
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 101553393
Conc: 6.36 ng/ml



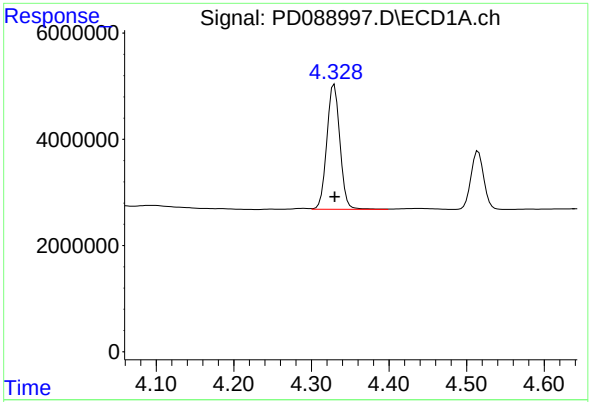
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 27627643
Conc: 4.70 ng/ml



#2 alpha-BHC

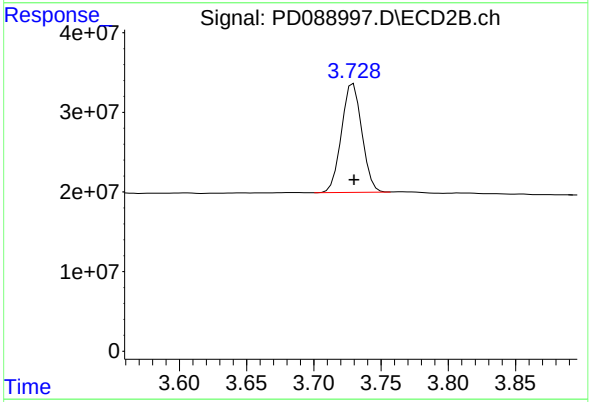
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 154477617
Conc: 5.98 ng/ml



#3 gamma-BHC (Lindane)

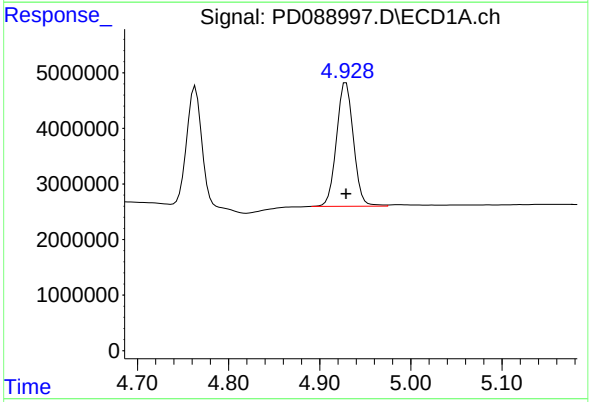
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 27664017
Conc: 4.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



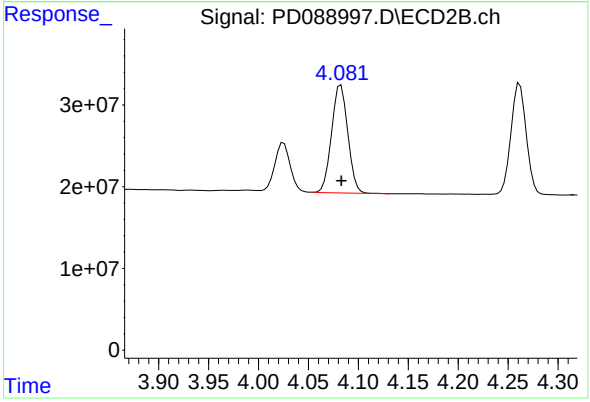
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 143741778
Conc: 6.05 ng/ml



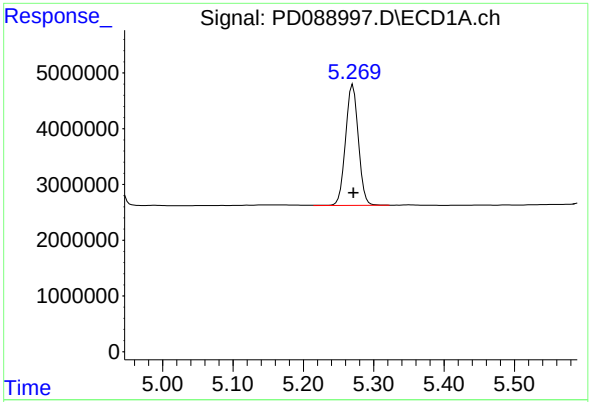
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 28667725
Conc: 5.35 ng/ml



#4 Heptachlor

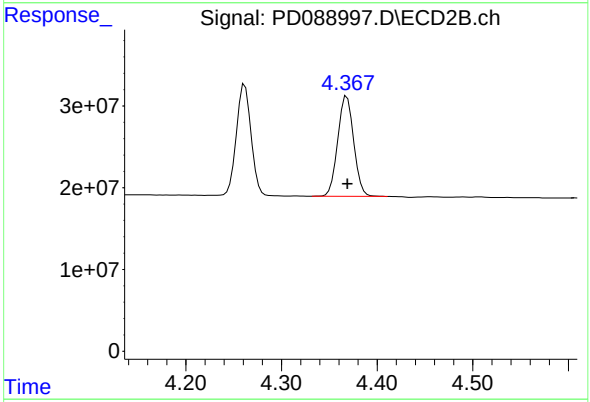
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 149484198
Conc: 6.25 ng/ml



#5 Aldrin

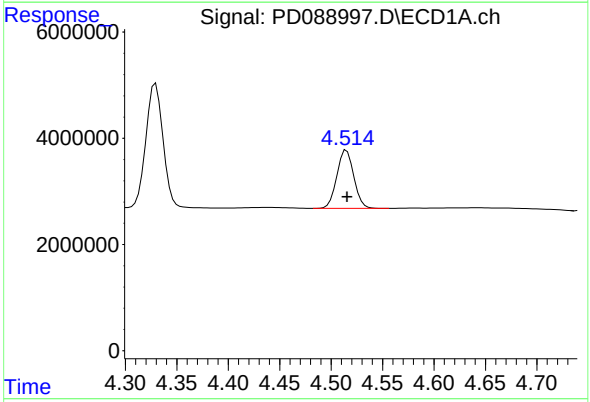
R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 27520008
Conc: 5.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



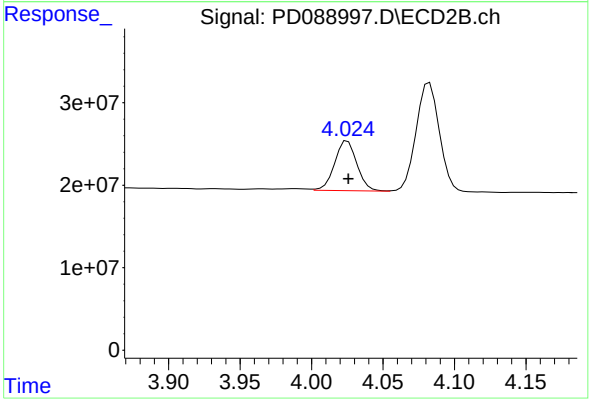
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 143035789
Conc: 6.18 ng/ml



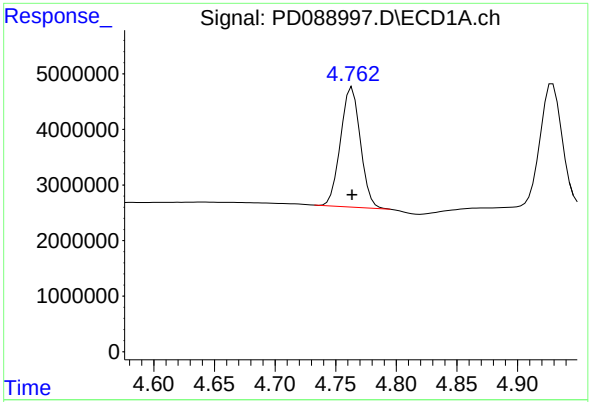
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 12578663
Conc: 5.88 ng/ml



#6 beta-BHC

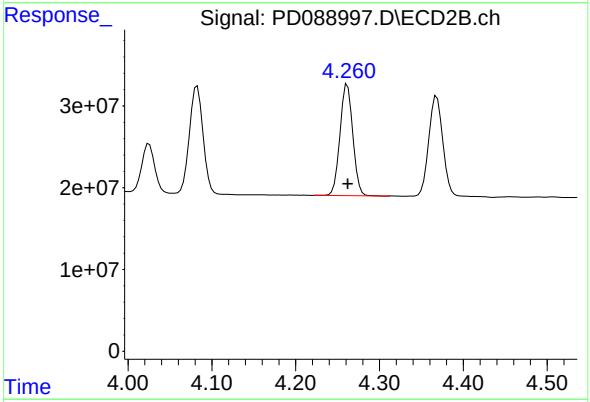
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 65433774
Conc: 6.42 ng/ml



#7 delta-BHC

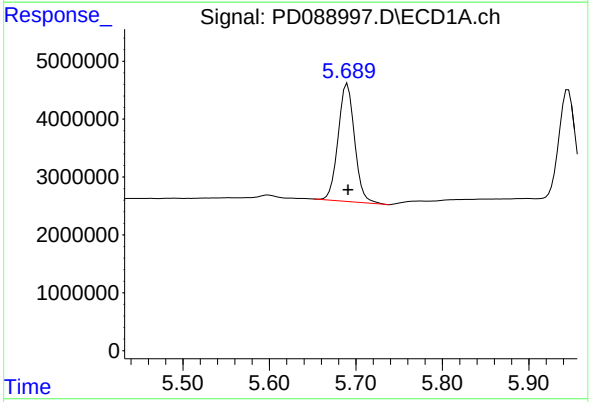
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 24463430
Conc: 4.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



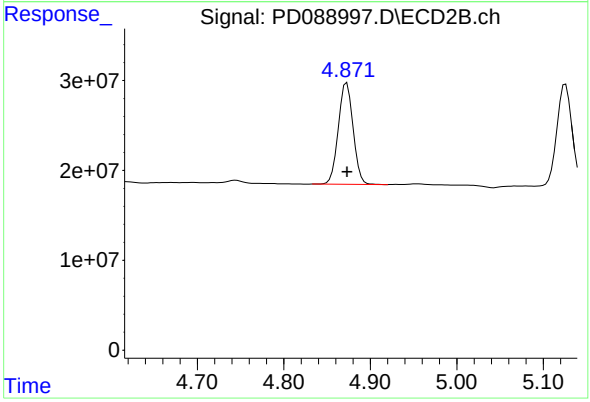
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 145015026
Conc: 6.06 ng/ml



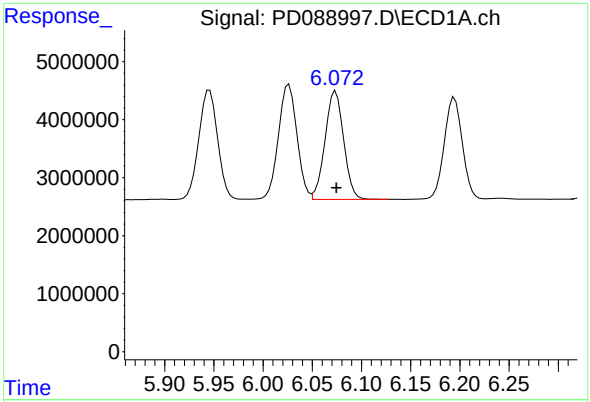
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 26734361
Conc: 5.63 ng/ml



#8 Heptachlor epoxide

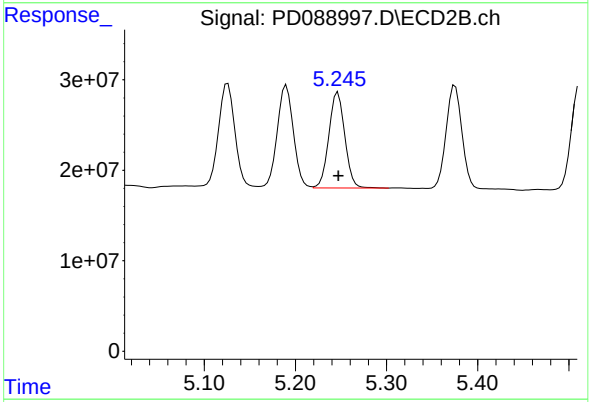
R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 133176110
Conc: 6.39 ng/ml



#9 Endosulfan I

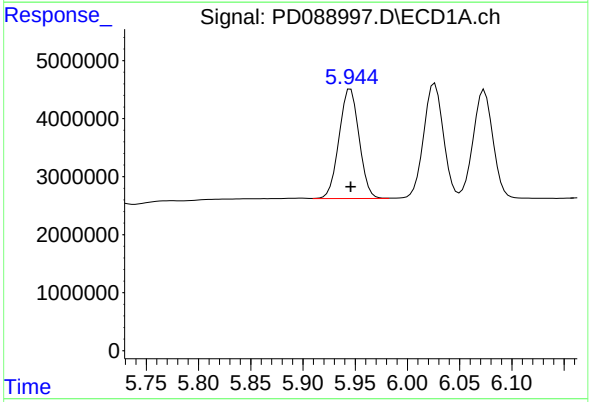
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 24592339
Conc: 5.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



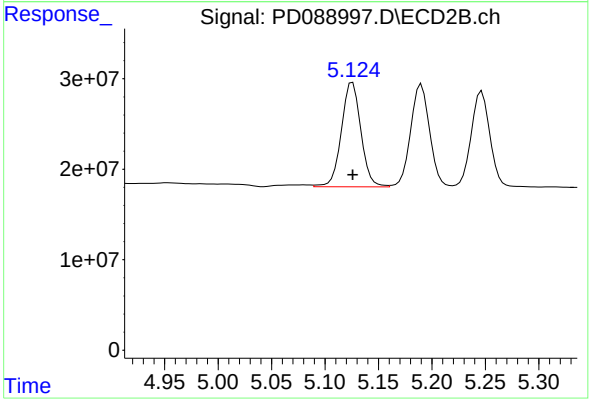
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 128862837
Conc: 6.67 ng/ml



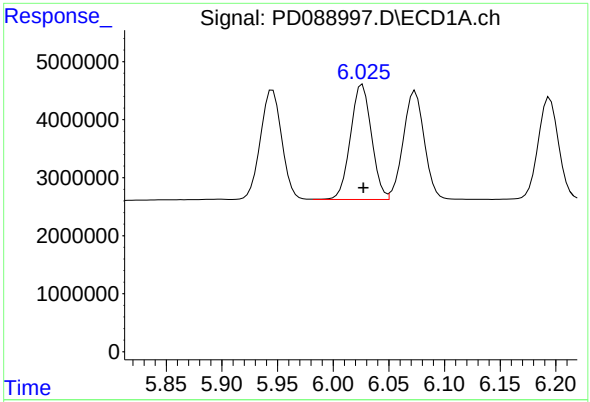
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 25225085
Conc: 5.35 ng/ml



#10 gamma-Chlordane

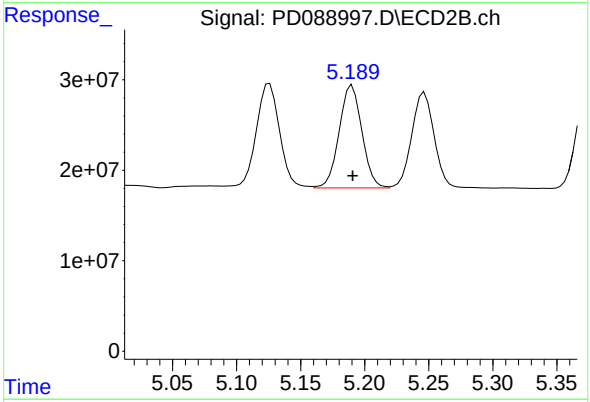
R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 146743904
Conc: 6.52 ng/ml



#11 alpha-Chlordane

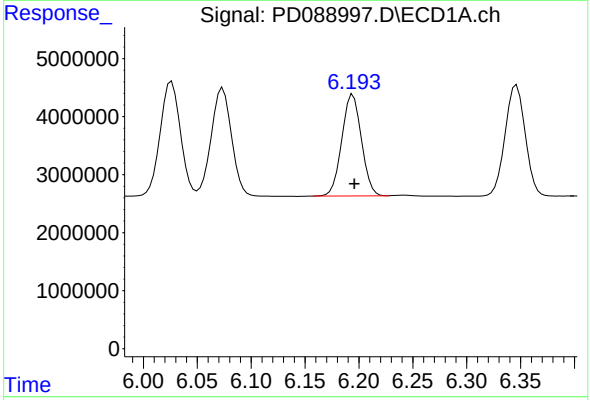
R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 26148512
Conc: 5.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



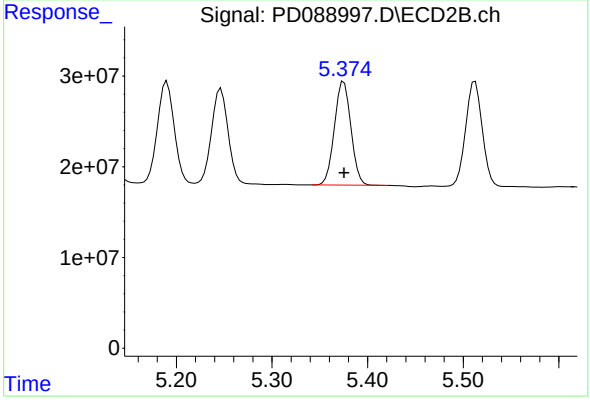
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 140296498
Conc: 6.50 ng/ml



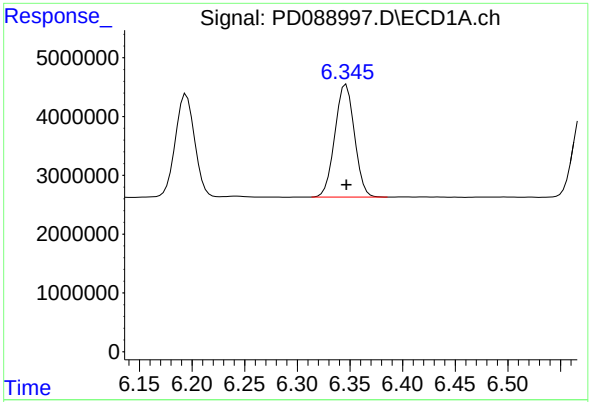
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.002 min
Response: 22175565
Conc: 5.14 ng/ml



#12 4,4'-DDE

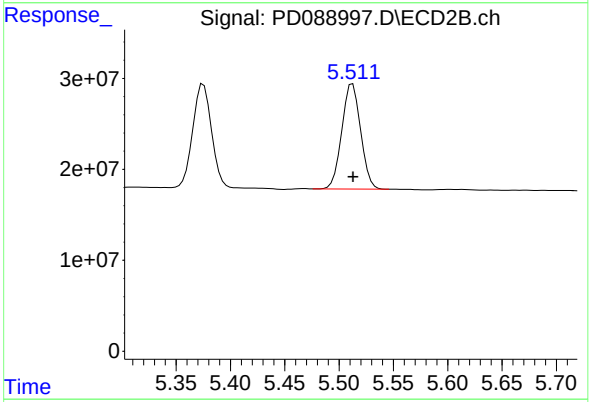
R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 137044852
Conc: 6.28 ng/ml



#13 Dieldrin

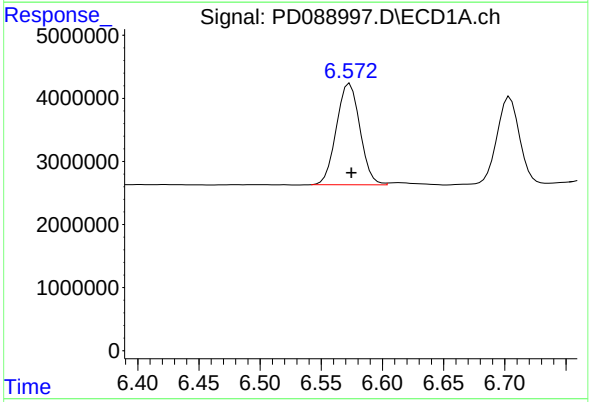
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 24894050
Conc: 5.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



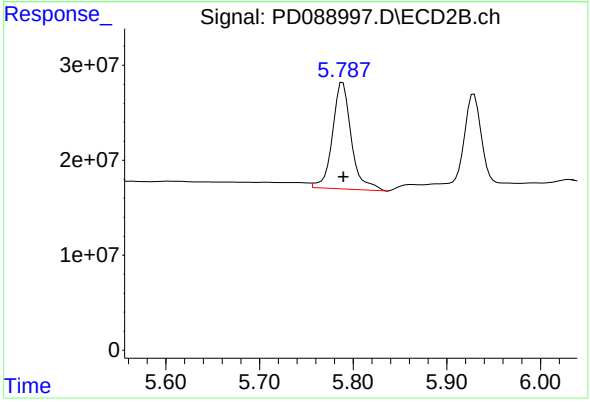
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 139596232
Conc: 6.31 ng/ml



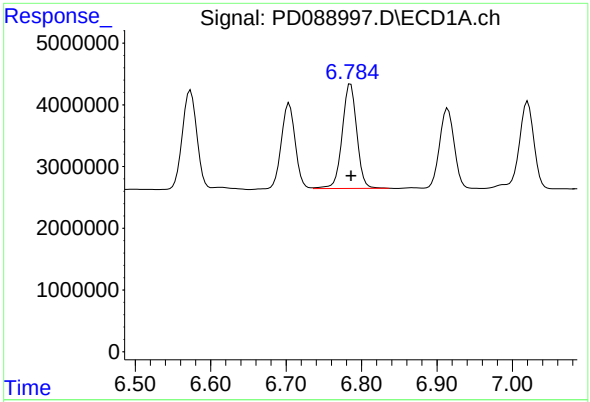
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 21528490
Conc: 5.26 ng/ml



#14 Endrin

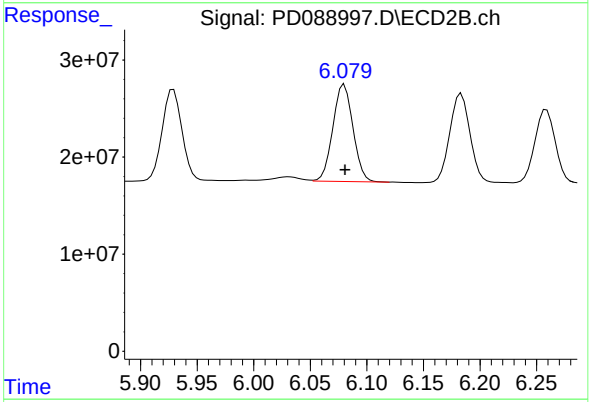
R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 156823844
Conc: 7.60 ng/ml



#15 Endosulfan II

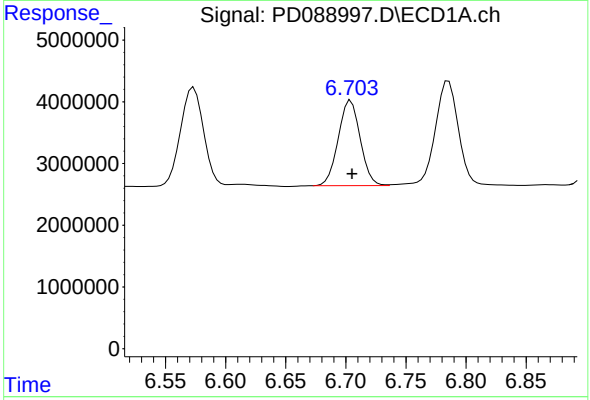
R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 22765018
Conc: 5.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



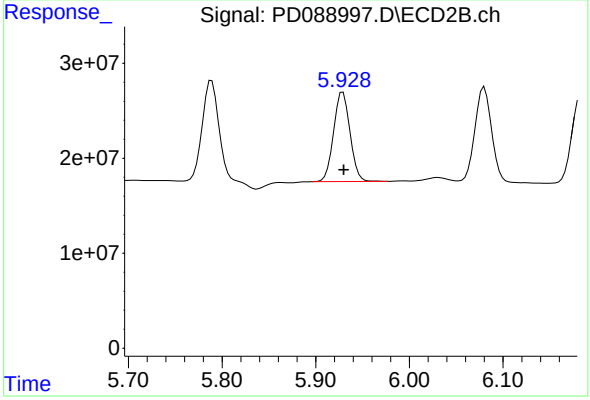
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 124233832
Conc: 6.51 ng/ml



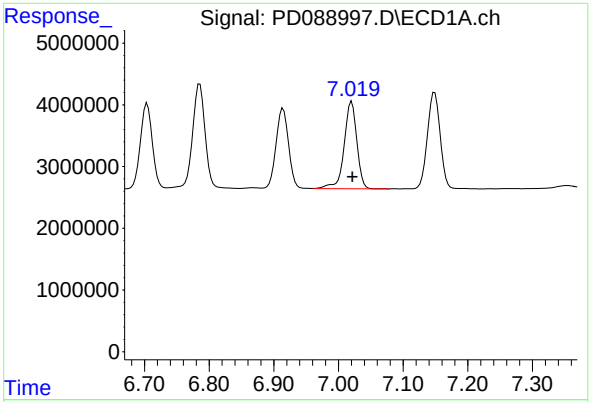
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 17603896
Conc: 5.16 ng/ml



#16 4,4'-DDD

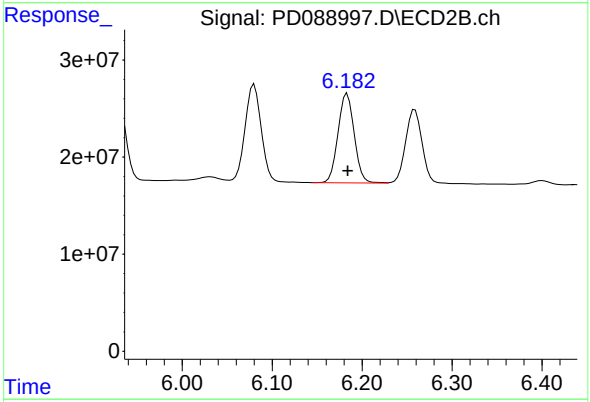
R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 114981099
Conc: 6.32 ng/ml



#17 4,4'-DDT

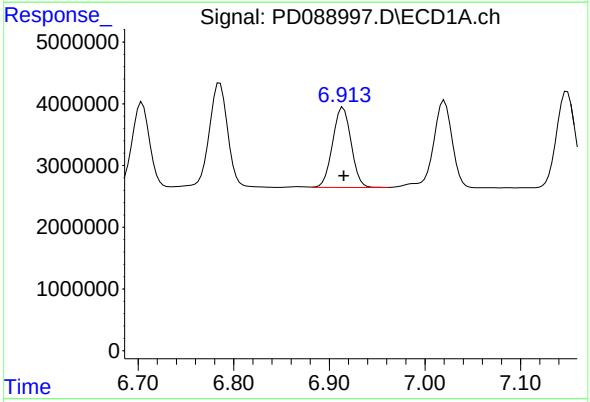
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 19332472
Conc: 5.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



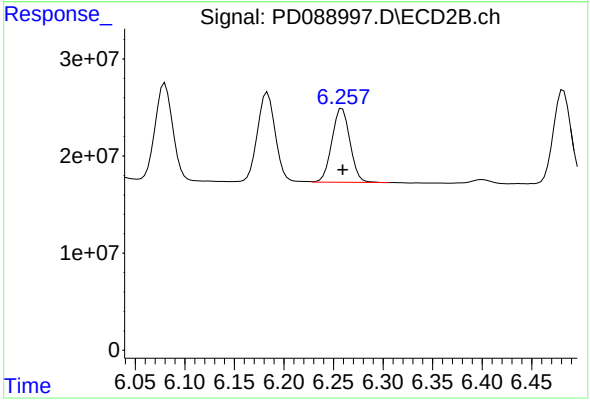
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 115392624
Conc: 5.89 ng/ml



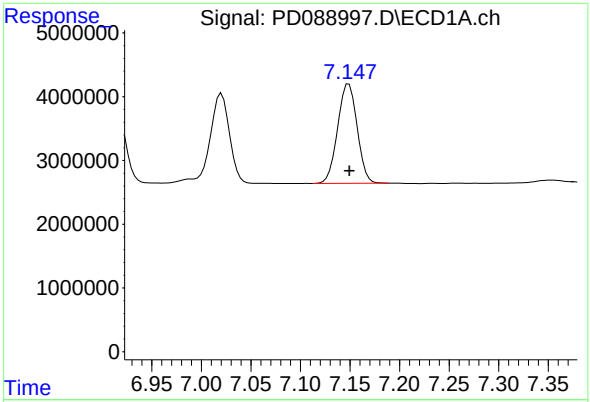
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 17443585
Conc: 5.88 ng/ml



#18 Endrin aldehyde

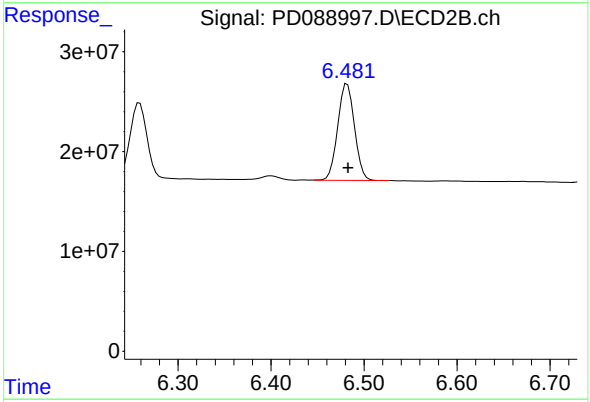
R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 96439397
Conc: 6.71 ng/ml



#19 Endosulfan Sulfate

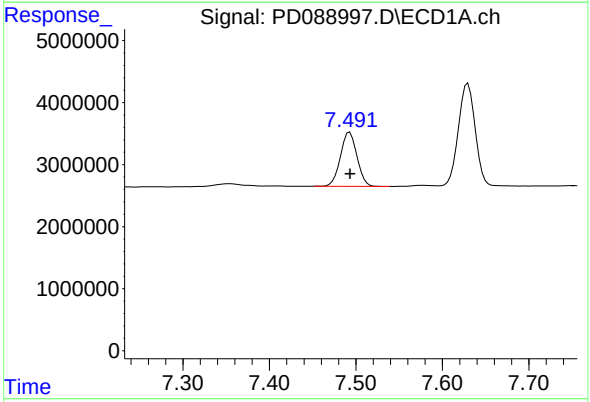
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 21359951
Conc: 5.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



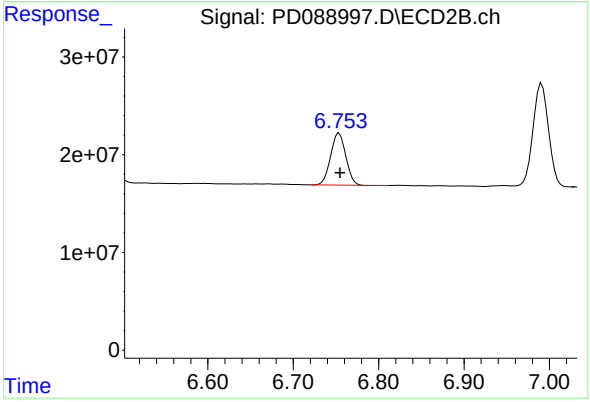
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 121172400
Conc: 6.55 ng/ml



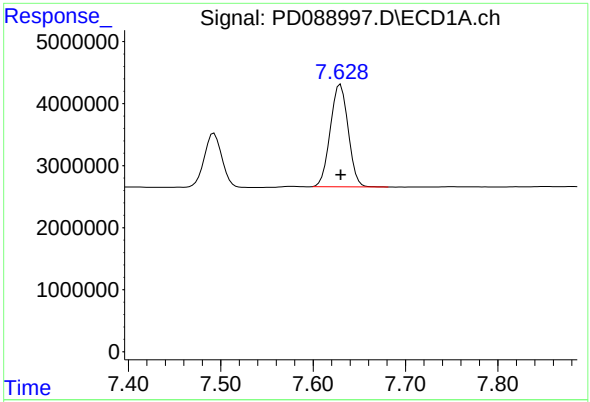
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 11522878
Conc: 5.84 ng/ml



#20 Methoxychlor

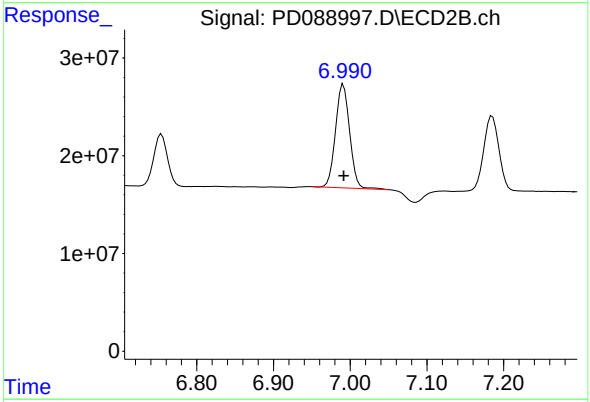
R.T.: 6.754 min
Delta R.T.: -0.001 min
Response: 65700483
Conc: 6.40 ng/ml



#21 Endrin ketone

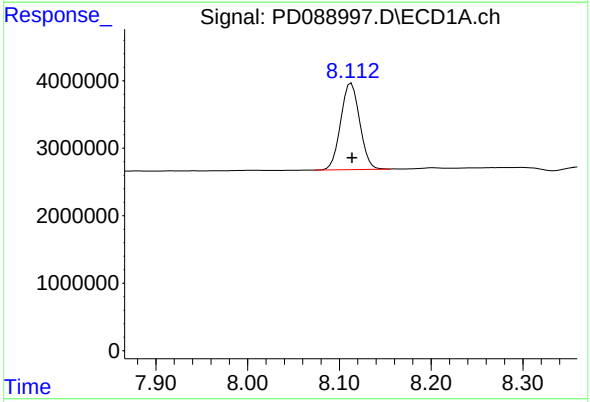
R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 22217957
Conc: 5.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



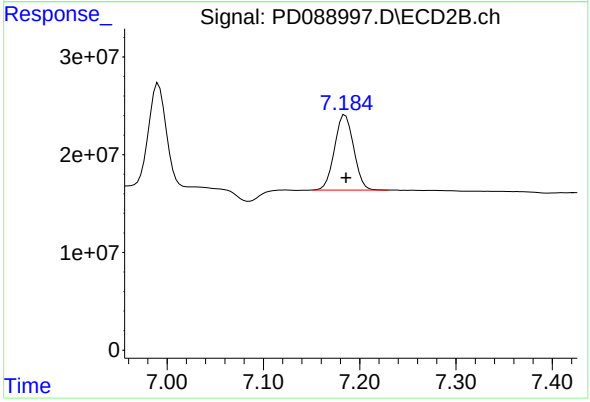
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 135681487
Conc: 6.64 ng/ml



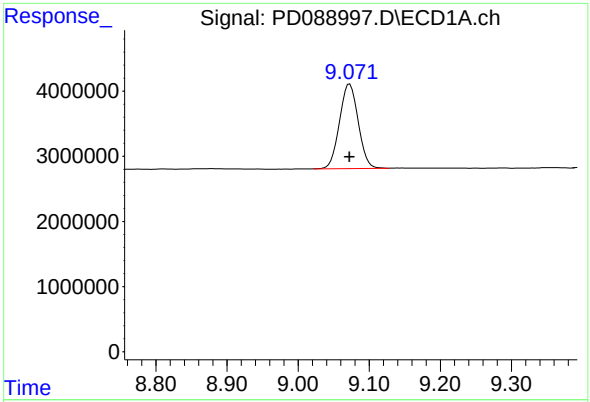
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 18484356
Conc: 6.37 ng/ml



#22 Mirex

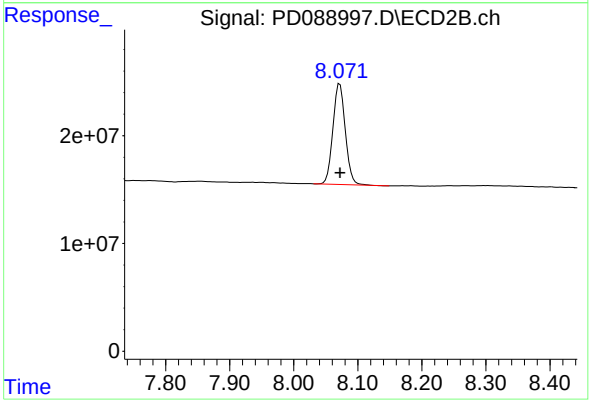
R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 106067660
Conc: 6.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 23699682
Conc: 6.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 125537439
Conc: 6.81 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 10:20
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: Jul 11 22:49:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	61946166	408.3E6	21.712	24.084	
28)	SA	Decachlor...	9.072	8.069	78252302	391.6E6	19.924	19.807	
	Target Compounds								
2)	A	alpha-BHC	3.998	3.391	59413516	336.0E6	10.193	12.539	
3)	MA	gamma-BHC...	4.329	3.728	59485151	304.3E6	10.657	12.291	
4)	MA	Heptachlor	0.000	4.077	0	1957945	N.D.	0.078	#
5)	MB	Aldrin	5.253f	4.363	422976	275635	0.080	0.011	#
6)	B	beta-BHC	4.515	4.023	24761652	134.4E6	11.219	12.505	
7)	B	delta-BHC	4.776	4.251	1216742	1160646	0.237	0.047	#
8)	B	Heptachlo...	5.681	4.863	2270679	12759264	0.471	0.583	
9)	A	Endosulfan I	6.101f	5.227f	314621	3696276	0.070	0.177	#
10)	B	gamma-Chl...	5.941	5.124	390426	33755252	0.082	1.411	#
11)	B	alpha-Chl...	6.032	5.185	1643882	10365284	0.340	0.453	#
12)	B	4,4'-DDE	6.195	5.373	433551	2917134	0.099	0.127	#
13)	MA	Dieldrin	6.366f	5.484f	1445779	-3091817	0.301	N.D.	#
14)	MA	Endrin	6.574	5.786	209.2E6	1138.1E6	50.706	52.412	
15)	B	Endosulfa...	6.806f	6.084	1723749	5392603	0.427	0.267	#
16)	A	4,4'-DDD	6.704	5.927	9257615	62882277	2.697	3.287	
17)	MA	4,4'-DDT	7.021	6.180	364.3E6	2014.1E6	96.159	99.317	
18)	B	Endrin al...	6.915	6.255	1952386	19715339	0.637	1.288	#
20)	A	Methoxychlor	7.492	6.751	429.0E6	2017.3E6	212.293	187.340	
21)	B	Endrin ke...	7.629	6.988	6237220	55797119	1.531	2.583	#
22)		Mirex	8.118	7.174	210263	29546978	0.069	1.772	#
23)		Chlordane-1	0.000	3.899	0	1444331	N.D.	1.549	#
24)		Chlordane-2	5.253	4.482	422976	5494342	1.937	5.774	#
25)		Chlordane-3	5.941	5.124	390426	33755252	0.453	11.365	#
26)		Chlordane-4	6.032	5.185	1643882	10365284	1.565	4.135	#
27)		Chlordane-5	6.868	6.084	93484	5392603	0.512	4.765	#

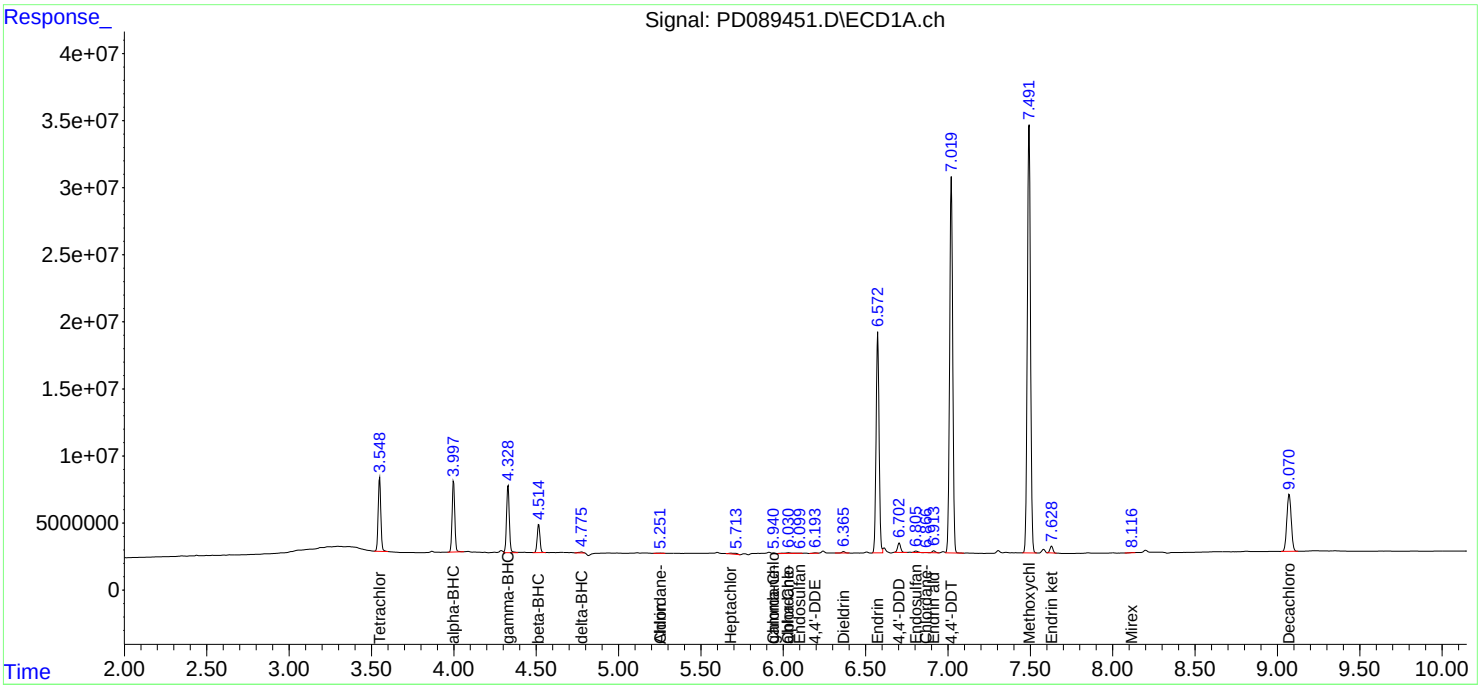
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

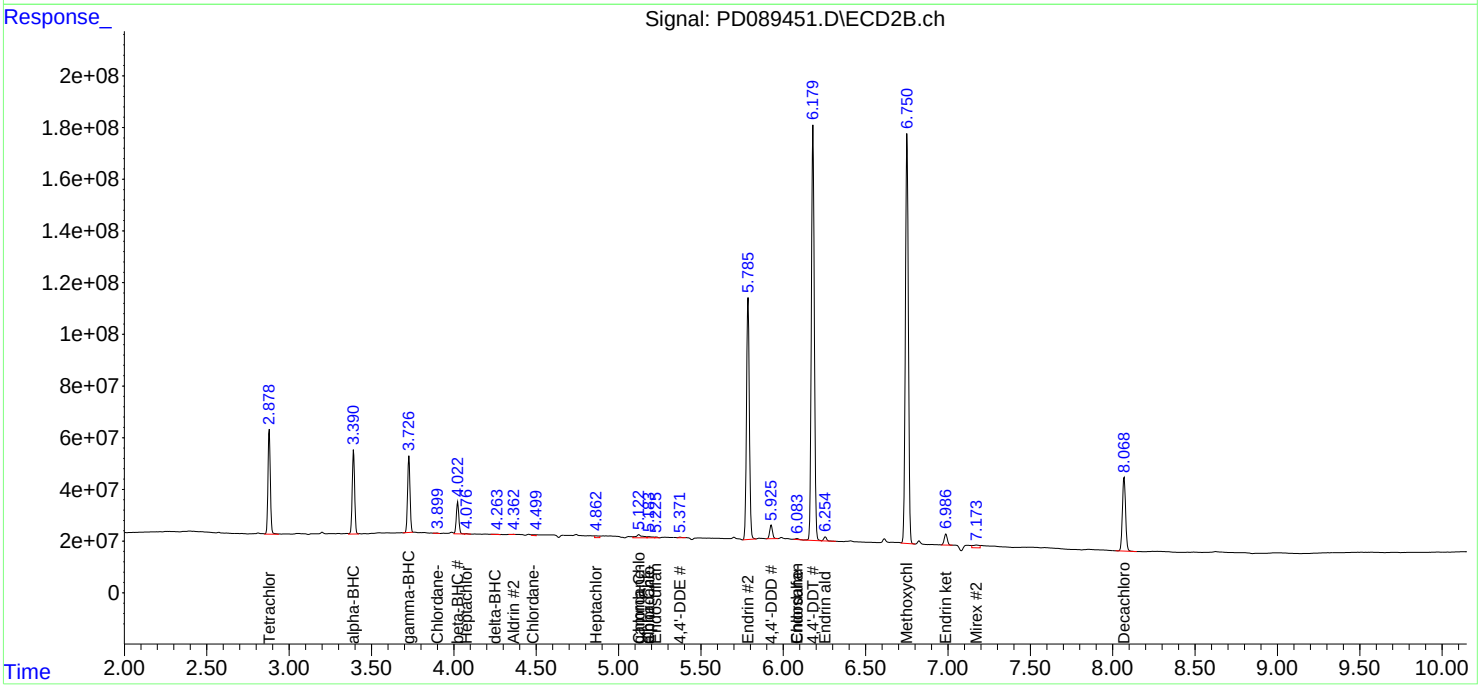
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 10:20
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

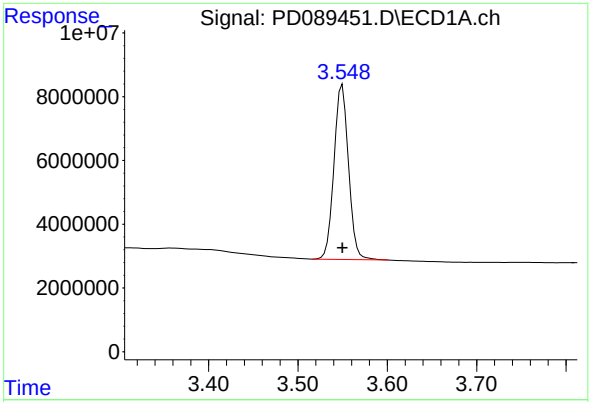
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:49:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



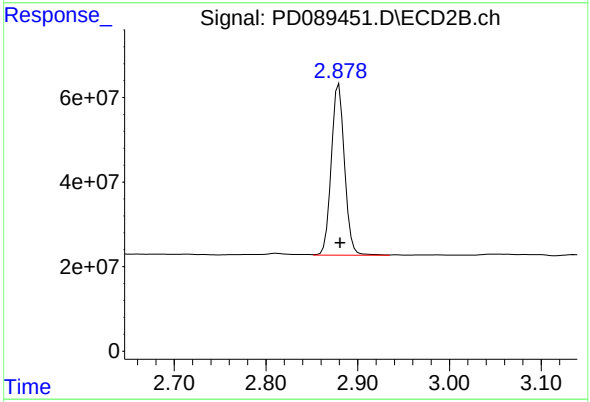




#1 Tetrachloro-m-xylene

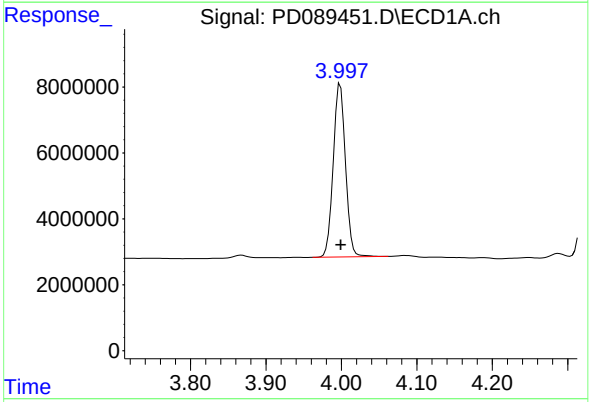
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 61946166
Conc: 21.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



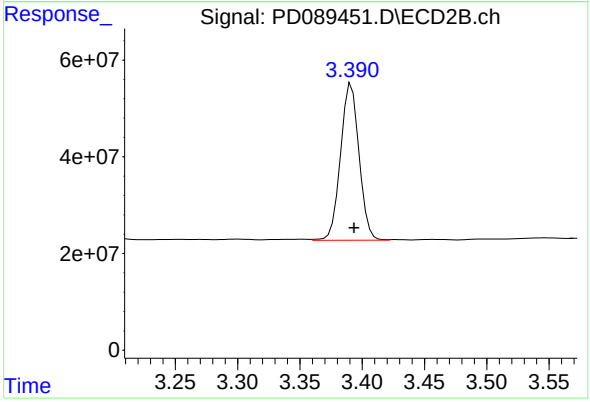
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 408302917
Conc: 24.08 ng/ml



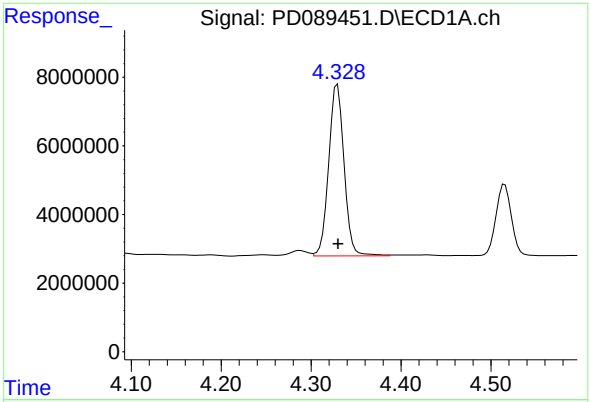
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 59413516
Conc: 10.19 ng/ml



#2 alpha-BHC

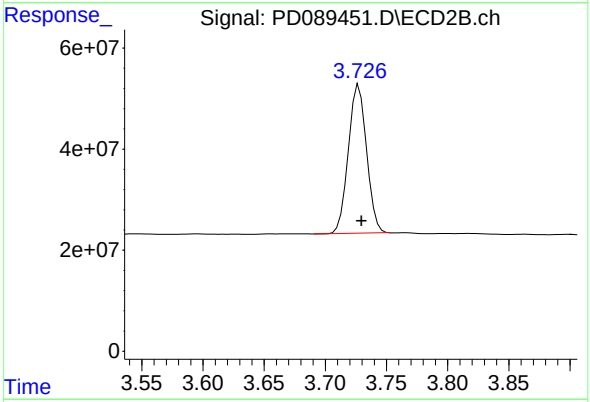
R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 335999724
Conc: 12.54 ng/ml



#3 gamma-BHC (Lindane)

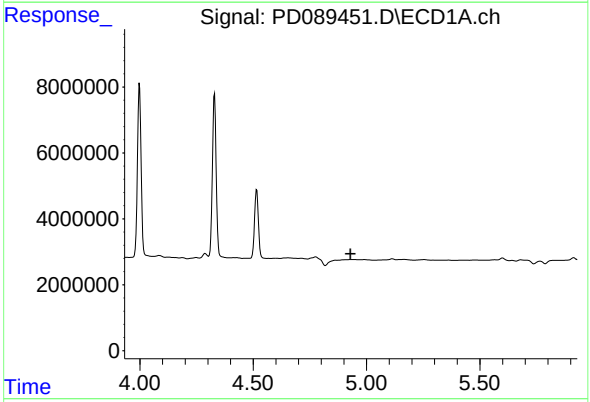
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 59485151
Conc: 10.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



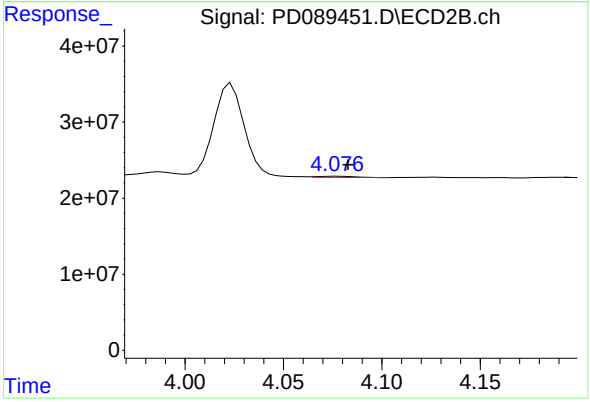
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 304279915
Conc: 12.29 ng/ml



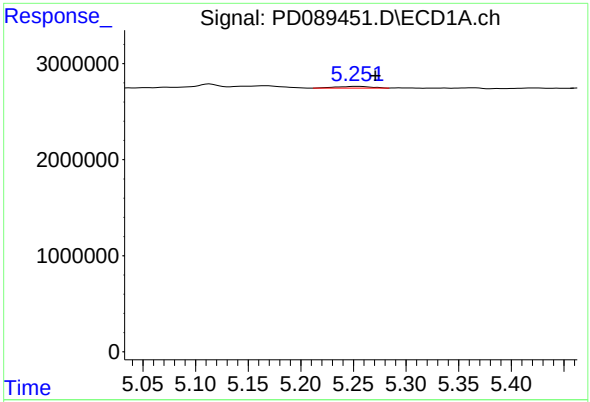
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.929 min
Response: 0
Conc: N.D.



#4 Heptachlor

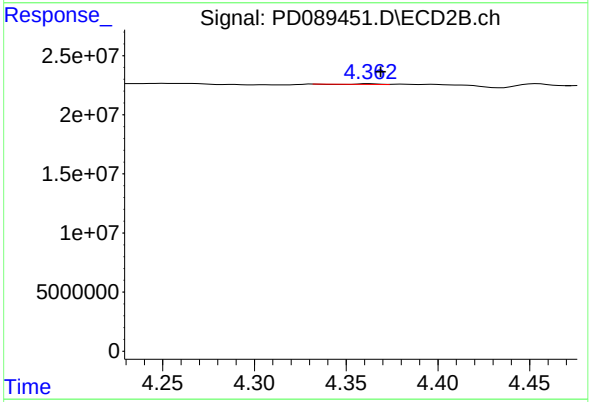
R.T.: 4.077 min
Delta R.T.: -0.005 min
Response: 1957945
Conc: 0.08 ng/ml



#5 Aldrin

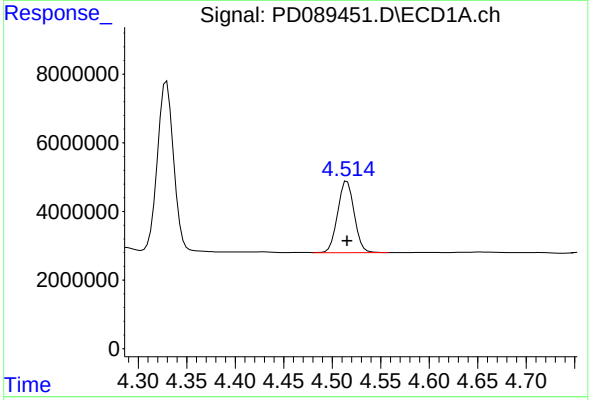
R.T.: 5.253 min
Delta R.T.: -0.018 min
Response: 422976
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



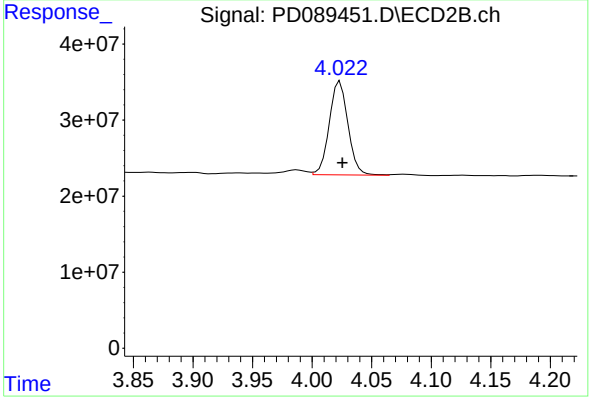
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.006 min
Response: 275635
Conc: 0.01 ng/ml



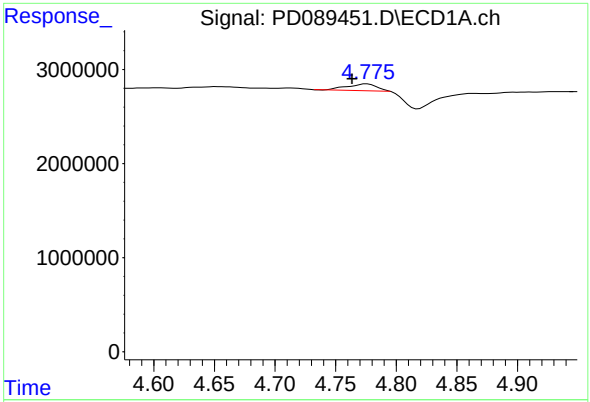
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 24761652
Conc: 11.22 ng/ml



#6 beta-BHC

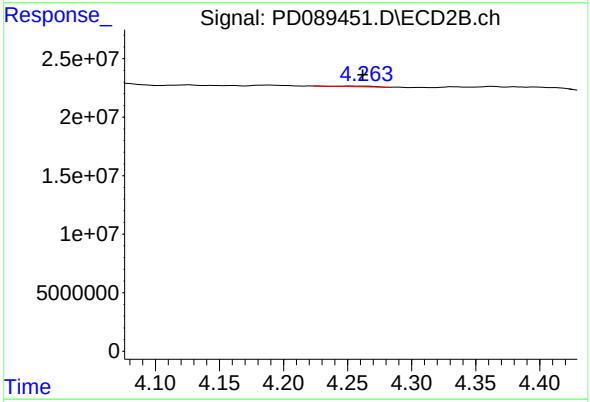
R.T.: 4.023 min
Delta R.T.: -0.002 min
Response: 134380516
Conc: 12.50 ng/ml



#7 delta-BHC

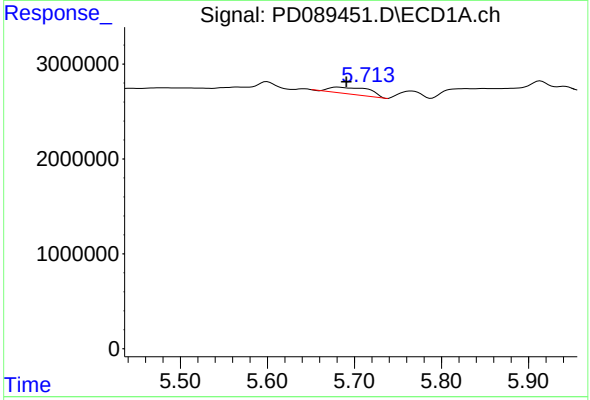
R.T.: 4.776 min
Delta R.T.: 0.012 min
Response: 1216742
Conc: 0.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



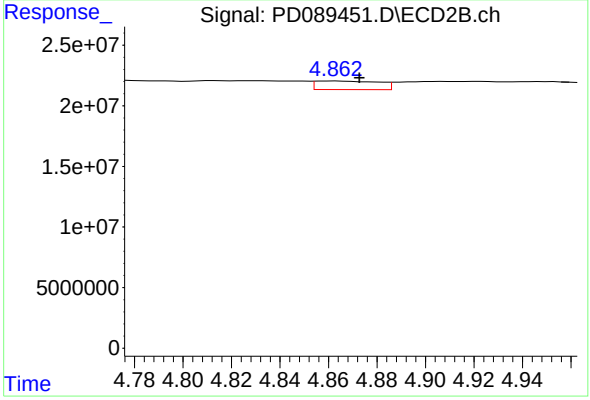
#7 delta-BHC

R.T.: 4.251 min
Delta R.T.: -0.011 min
Response: 1160646
Conc: 0.05 ng/ml



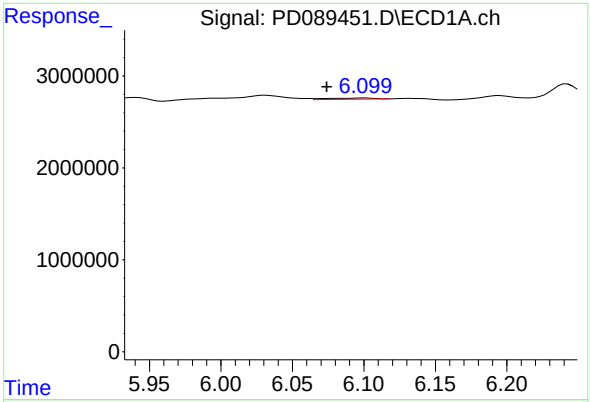
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.010 min
Response: 2270679
Conc: 0.47 ng/ml



#8 Heptachlor epoxide

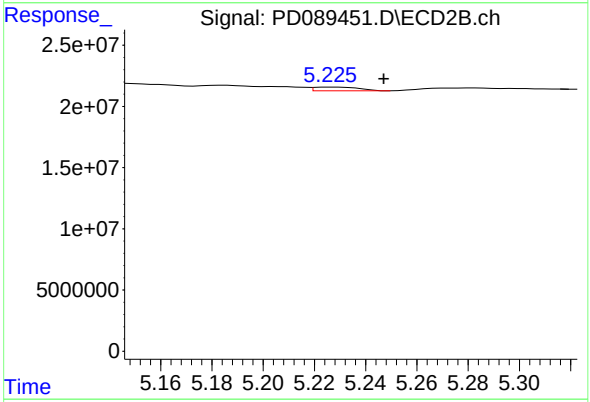
R.T.: 4.863 min
Delta R.T.: -0.010 min
Response: 12759264
Conc: 0.58 ng/ml



#9 Endosulfan I

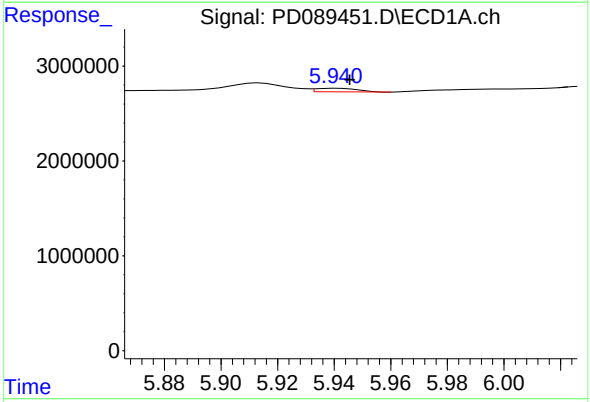
R.T.: 6.101 min
Delta R.T.: 0.027 min
Response: 314621
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



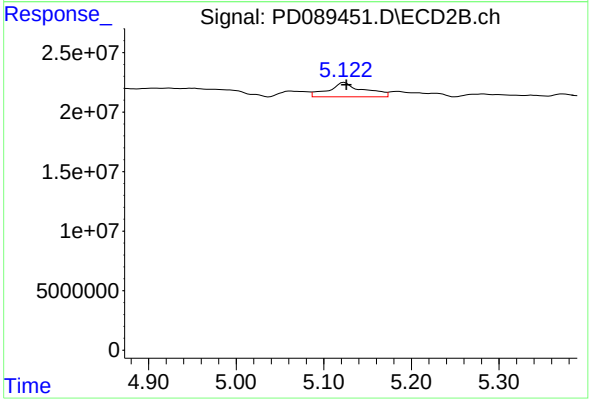
#9 Endosulfan I

R.T.: 5.227 min
Delta R.T.: -0.021 min
Response: 3696276
Conc: 0.18 ng/ml



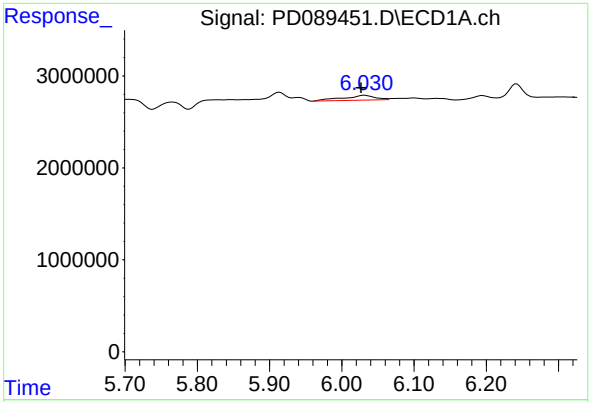
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.005 min
Response: 390426
Conc: 0.08 ng/ml



#10 gamma-Chlordane

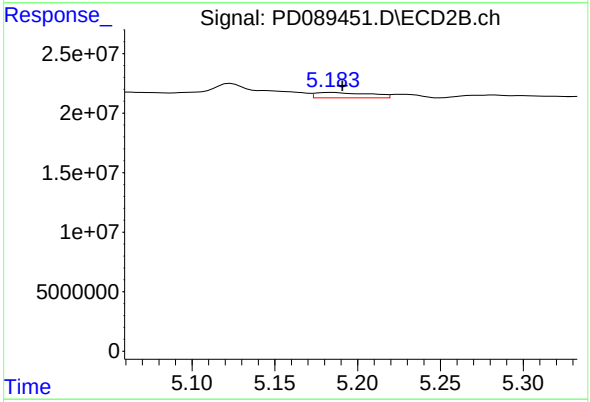
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 33755252
Conc: 1.41 ng/ml



#11 alpha-Chlordane

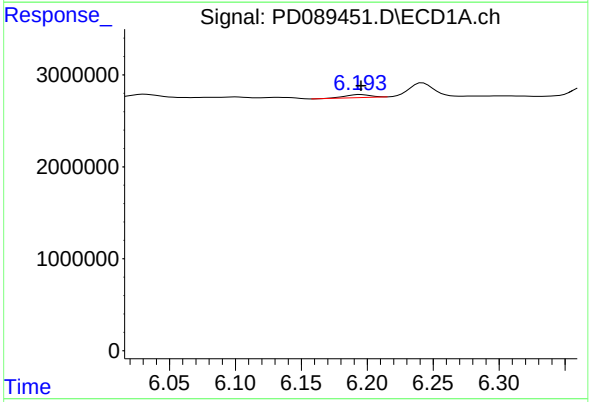
R.T.: 6.032 min
Delta R.T.: 0.005 min
Response: 1643882
Conc: 0.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



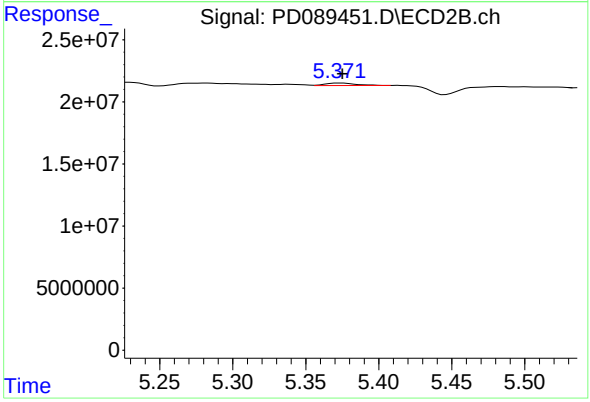
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.006 min
Response: 10365284
Conc: 0.45 ng/ml



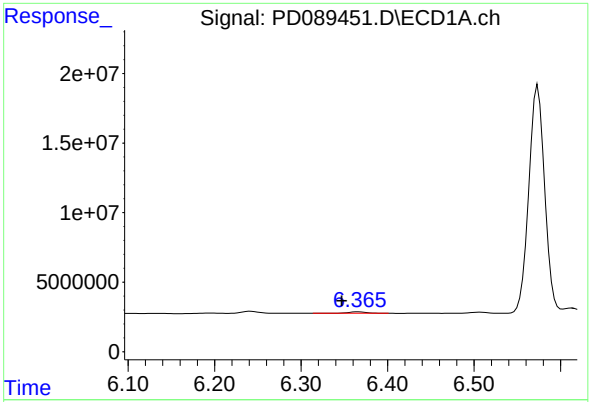
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 433551
Conc: 0.10 ng/ml



#12 4,4'-DDE

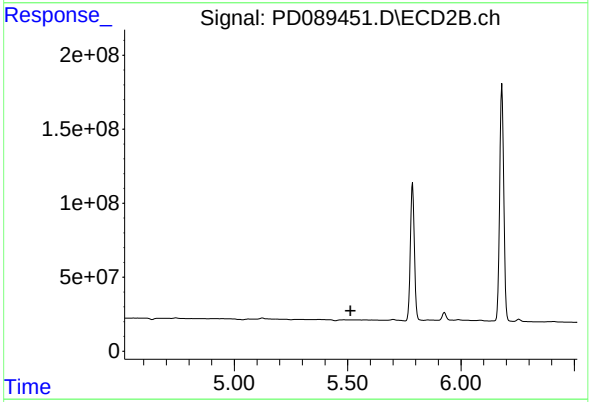
R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 2917134
Conc: 0.13 ng/ml



#13 Dieldrin

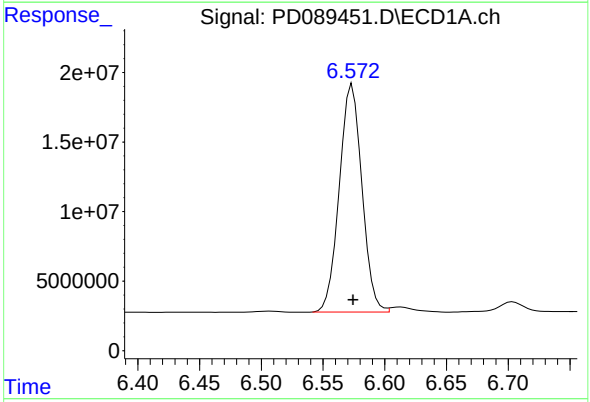
R.T.: 6.366 min
Delta R.T.: 0.019 min
Response: 1445779
Conc: 0.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



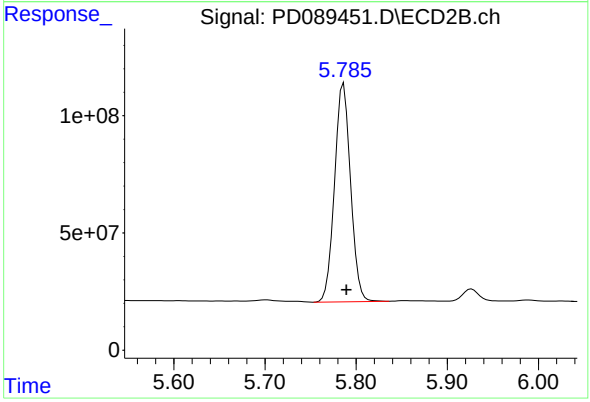
#13 Dieldrin

R.T.: 5.484 min
Delta R.T.: -0.029 min
Response: -3091817
Conc: N.D.



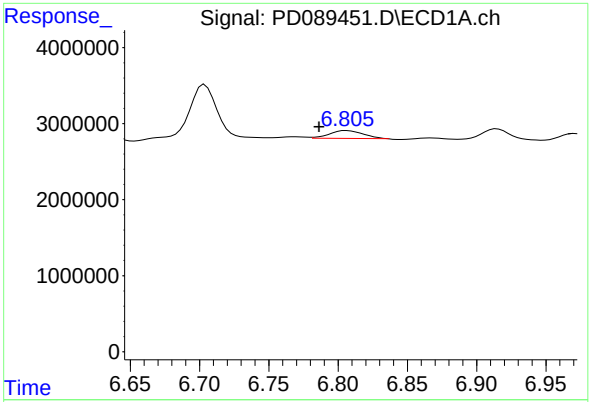
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 209190736
Conc: 50.71 ng/ml



#14 Endrin

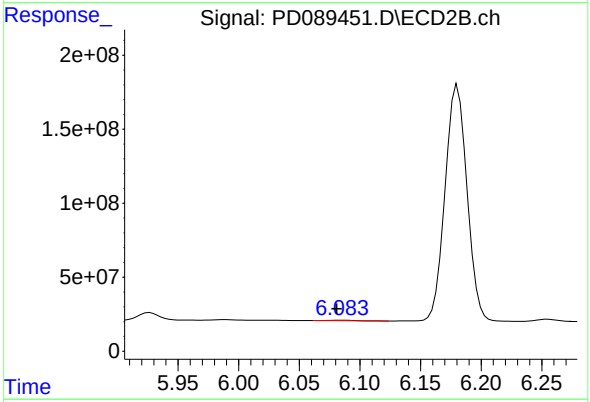
R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 1138070076
Conc: 52.41 ng/ml



#15 Endosulfan II

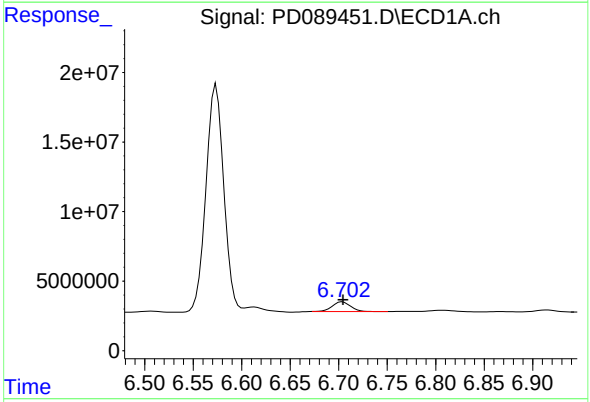
R.T.: 6.806 min
Delta R.T.: 0.020 min
Response: 1723749
Conc: 0.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



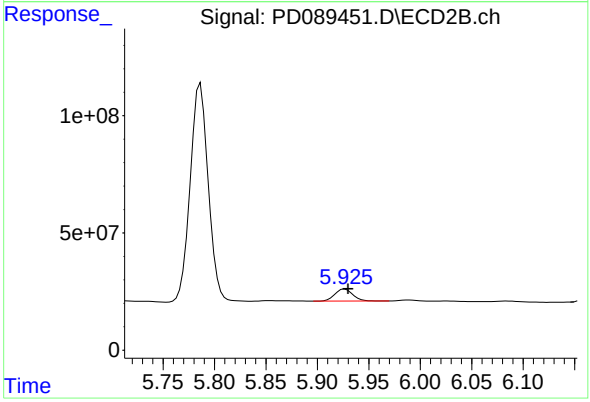
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.004 min
Response: 5392603
Conc: 0.27 ng/ml



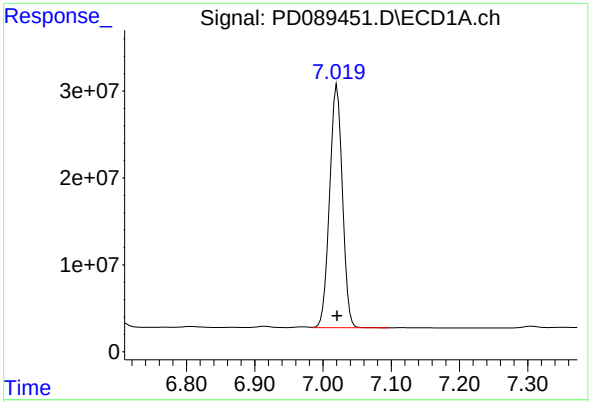
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 9257615
Conc: 2.70 ng/ml



#16 4,4'-DDD

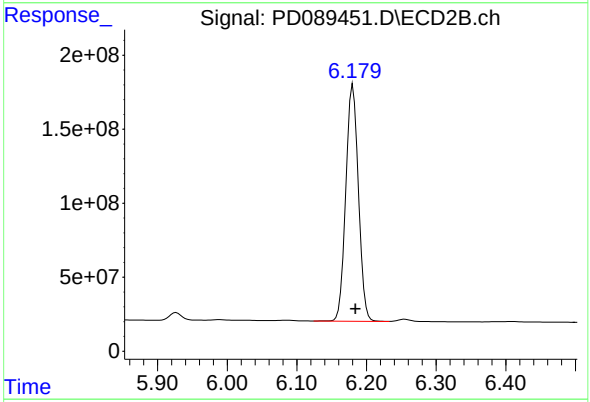
R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 62882277
Conc: 3.29 ng/ml



#17 4,4'-DDT

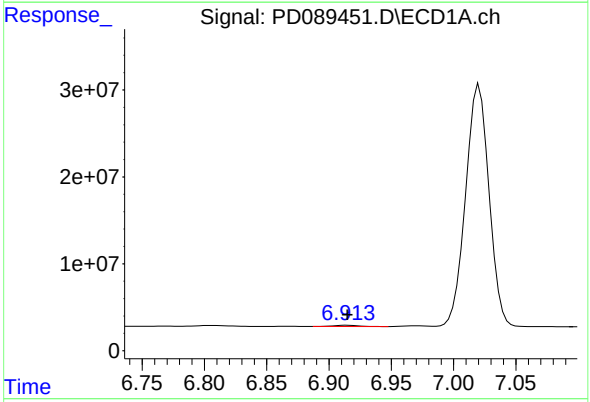
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 364269700
Conc: 96.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



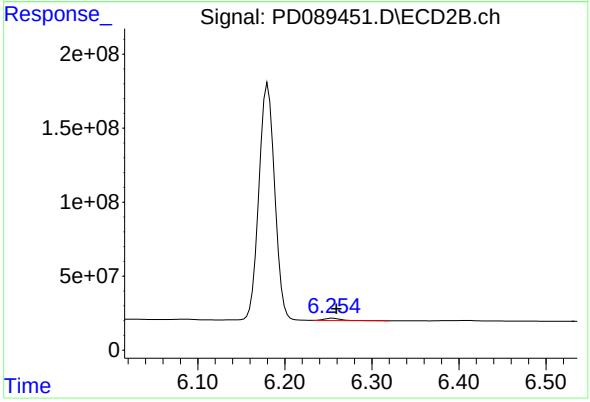
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 2014089263
Conc: 99.32 ng/ml



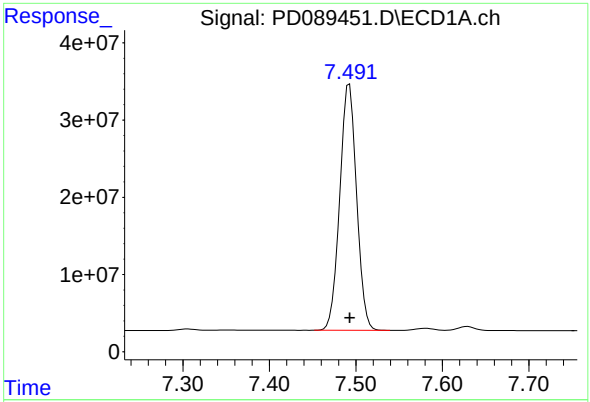
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 1952386
Conc: 0.64 ng/ml



#18 Endrin aldehyde

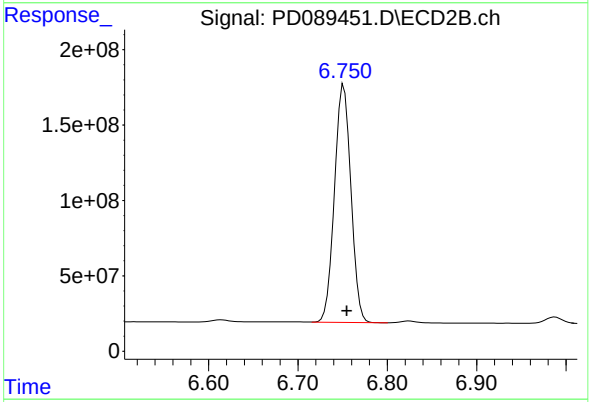
R.T.: 6.255 min
Delta R.T.: -0.004 min
Response: 19715339
Conc: 1.29 ng/ml



#20 Methoxychlor

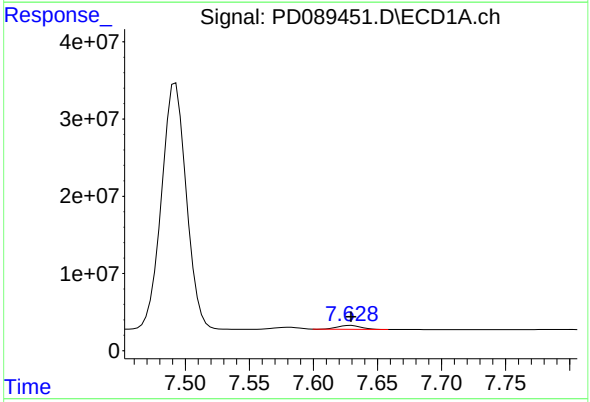
R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 428965852
Conc: 212.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



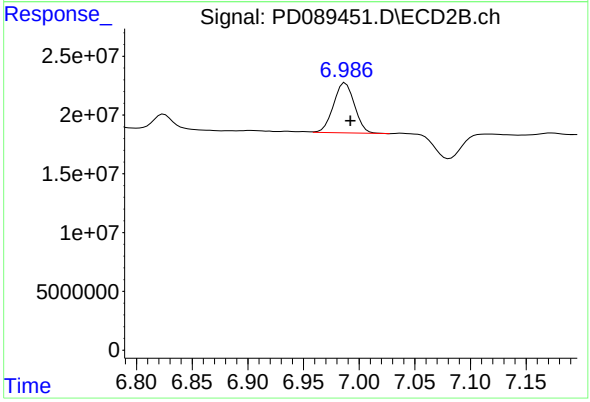
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: -0.003 min
Response: 2017296001
Conc: 187.34 ng/ml



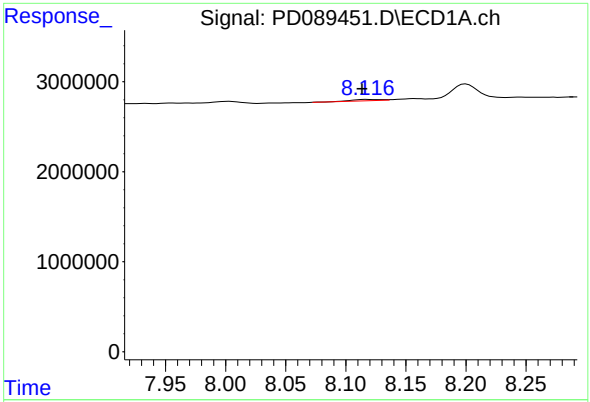
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 6237220
Conc: 1.53 ng/ml



#21 Endrin ketone

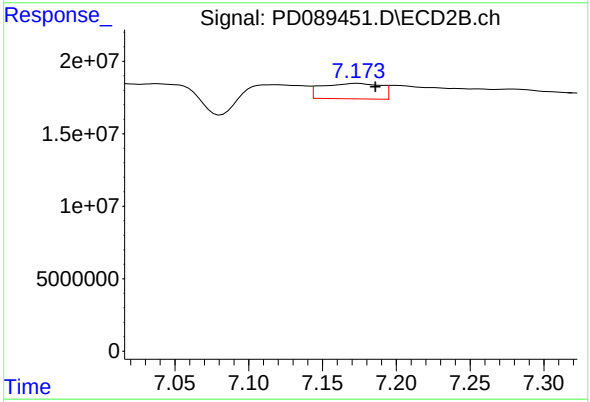
R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 55797119
Conc: 2.58 ng/ml



#22 Mirex

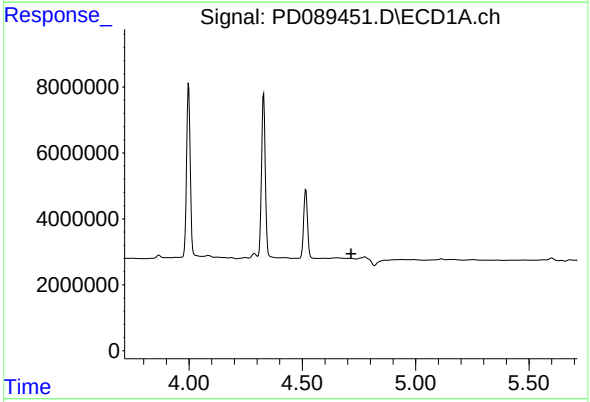
R.T.: 8.118 min
Delta R.T.: 0.004 min
Response: 210263
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



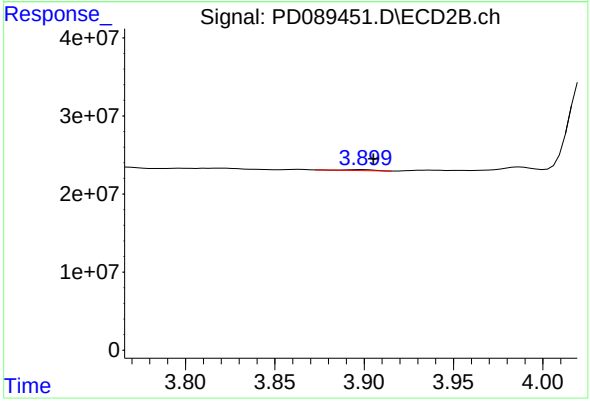
#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.012 min
Response: 29546978
Conc: 1.77 ng/ml



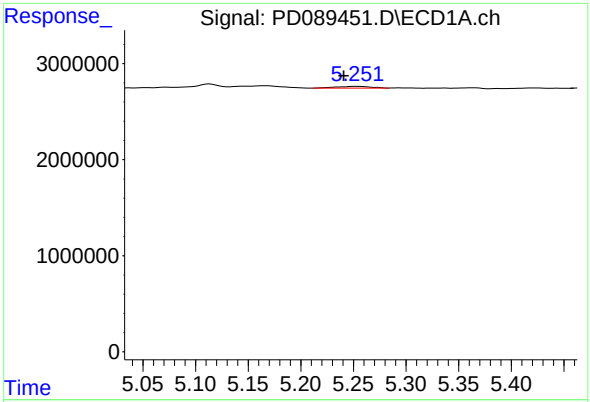
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.715 min
Response: 0
Conc: N.D.



#23 Chlordane-1

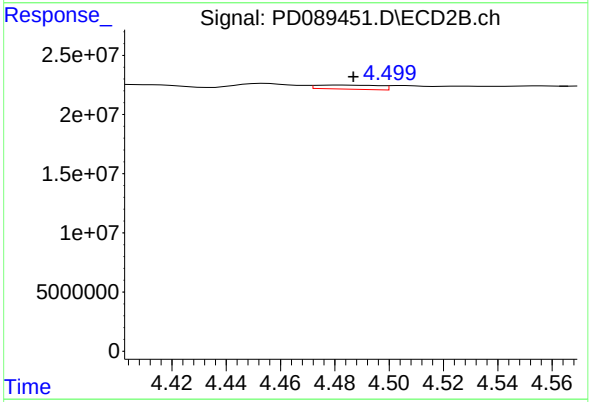
R.T.: 3.899 min
Delta R.T.: -0.006 min
Response: 1444331
Conc: 1.55 ng/ml



#24 Chlordane-2

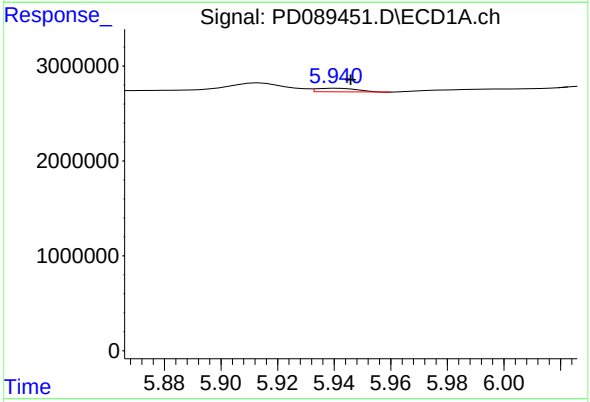
R.T.: 5.253 min
Delta R.T.: 0.012 min
Response: 422976
Conc: 1.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



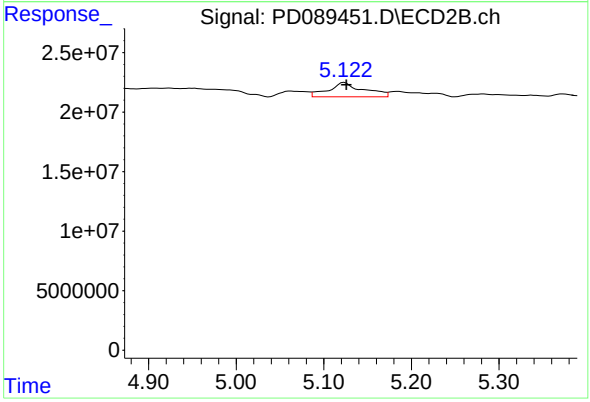
#24 Chlordane-2

R.T.: 4.482 min
Delta R.T.: -0.004 min
Response: 5494342
Conc: 5.77 ng/ml



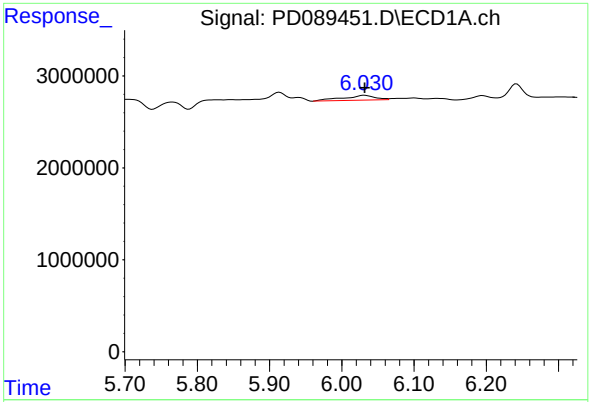
#25 Chlordane-3

R.T.: 5.941 min
Delta R.T.: -0.005 min
Response: 390426
Conc: 0.45 ng/ml



#25 Chlordane-3

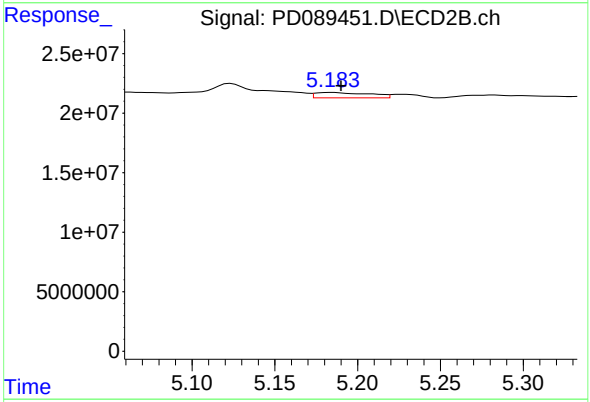
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 33755252
Conc: 11.36 ng/ml



#26 Chlordane-4

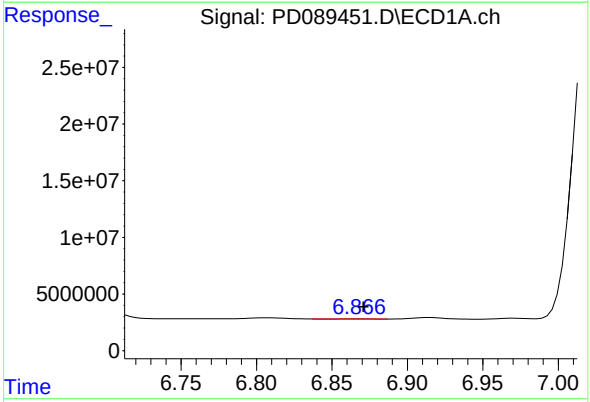
R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 1643882
Conc: 1.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



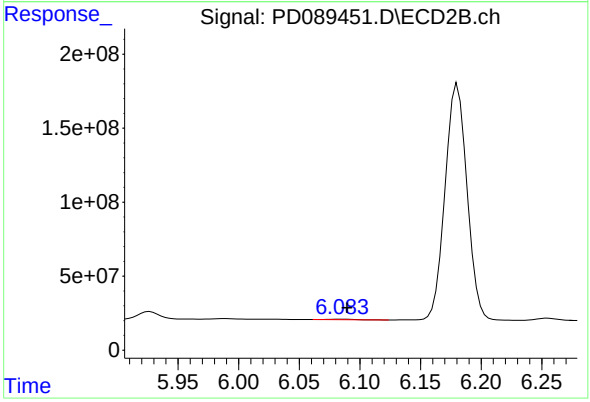
#26 Chlordane-4

R.T.: 5.185 min
Delta R.T.: -0.005 min
Response: 10365284
Conc: 4.13 ng/ml



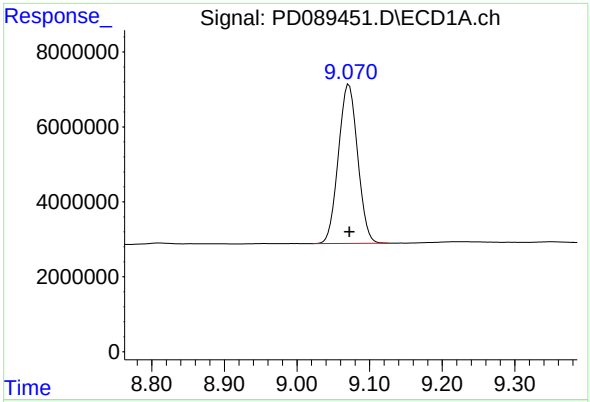
#27 Chlordane-5

R.T.: 6.868 min
Delta R.T.: -0.003 min
Response: 93484
Conc: 0.51 ng/ml



#27 Chlordane-5

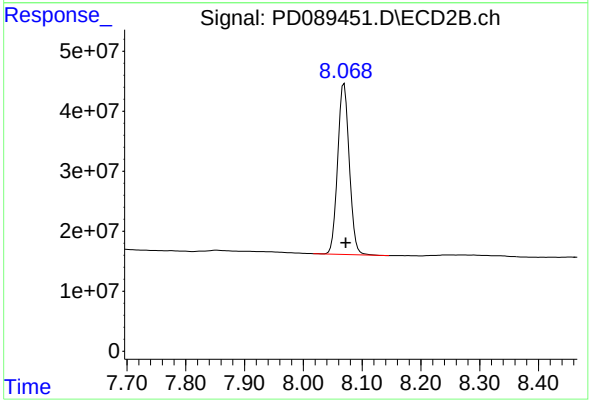
R.T.: 6.084 min
Delta R.T.: -0.005 min
Response: 5392603
Conc: 4.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 78252302
Conc: 19.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 391583283
Conc: 19.81 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 11:25
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: Jul 11 22:49:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	141.7E6	899.5E6	49.682	53.055	
28)	SA Decachlor...	9.072	8.071	193.1E6	982.5E6	49.160	49.698	
	Target Compounds							
2)	A alpha-BHC	4.000	3.392	304.4E6	1441.9E6	52.214	53.807	
3)	MA gamma-BHC...	4.331	3.728	289.3E6	1300.4E6	51.832	52.528	
4)	MA Heptachlor	4.929	4.081	280.1E6	1294.2E6	51.381	51.689	
5)	MB Aldrin	5.271	4.367	273.9E6	1295.0E6	51.560	53.474	
6)	B beta-BHC	4.516	4.024	111.5E6	567.0E6	50.509	52.761	
7)	B delta-BHC	4.765	4.260	280.5E6	1331.9E6	54.641	53.549	
8)	B Heptachlo...	5.691	4.871	242.3E6	1201.3E6	50.220	54.857	
9)	A Endosulfan I	6.075	5.245	227.4E6	1093.9E6	50.457	52.483	
10)	B gamma-Chl...	5.946	5.124	244.7E6	1268.8E6	51.109	53.036	
11)	B alpha-Chl...	6.027	5.188	244.5E6	1207.9E6	50.532	52.752	
12)	B 4,4'-DDE	6.196	5.373	219.0E6	1210.1E6	50.217	52.806	
13)	MA Dieldrin	6.347	5.511	244.1E6	1227.5E6	50.873	52.889	
14)	MA Endrin	6.575	5.788	196.9E6	1128.5E6	47.723	51.970	
15)	B Endosulfa...	6.786	6.079	196.0E6	1049.9E6	48.566	51.984	
16)	A 4,4'-DDD	6.705	5.928	172.4E6	1009.5E6	50.225	52.774	
17)	MA 4,4'-DDT	7.021	6.182	175.7E6	1012.3E6	46.373	49.916	
18)	B Endrin al...	6.915	6.257	146.4E6	780.2E6	47.778	50.955	
19)	B Endosulfa...	7.149	6.480	180.7E6	993.9E6	47.095	50.657	
20)	A Methoxychlor	7.493	6.752	85801063	486.9E6	42.463	45.215	
21)	B Endrin ke...	7.630	6.989	190.5E6	1065.6E6	46.764	49.331	
22)	Mirex	8.113	7.183	134.2E6	792.0E6	44.139	47.486	
23)	Chlordane-1	0.000	3.937f	0	151474	N.D.	0.162	#
24)	Chlordane-2	0.000	4.502	0	16853917	N.D.	17.711	#
25)	Chlordane-3	5.946	5.124	244.7E6	1268.8E6	283.737	427.166	#
26)	Chlordane-4	6.027	5.188	244.5E6	1207.9E6	232.703	481.845	#
27)	Chlordane-5	0.000	6.079	0	1049.9E6	N.D.	927.746	#

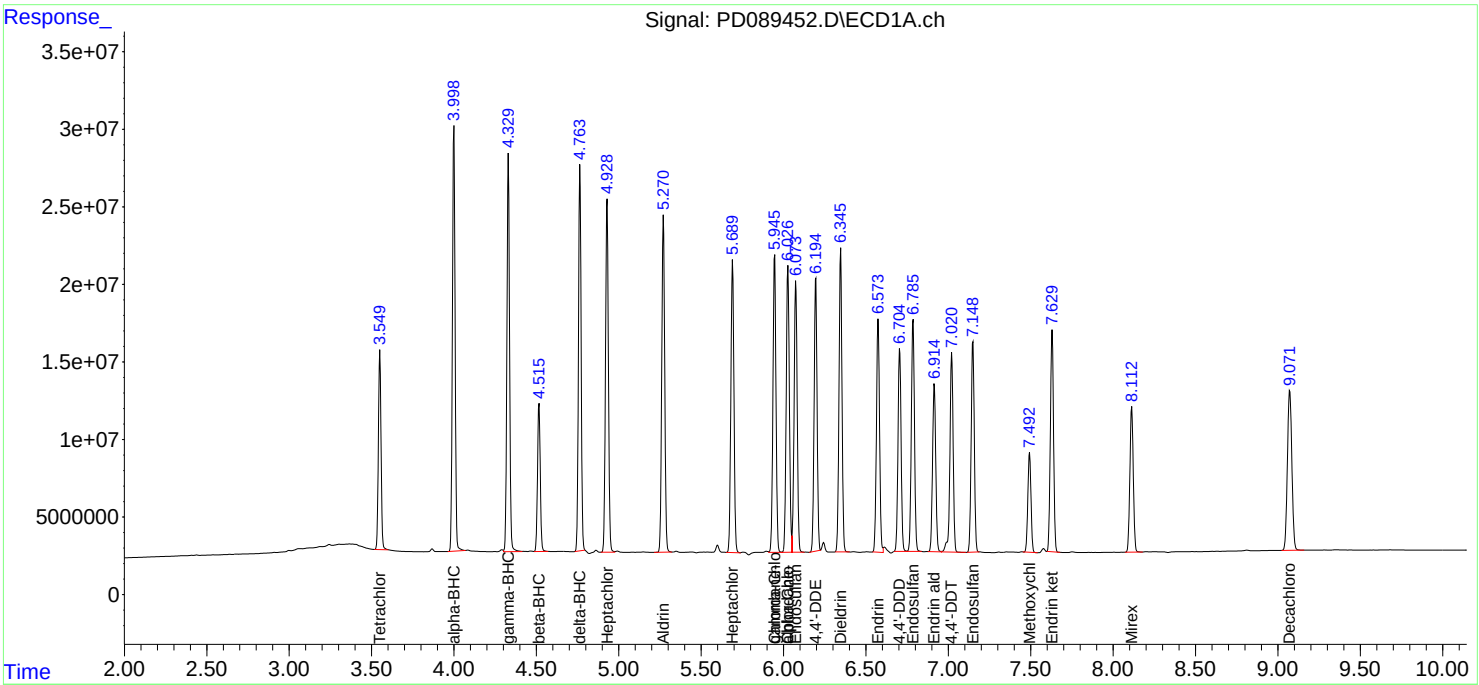
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

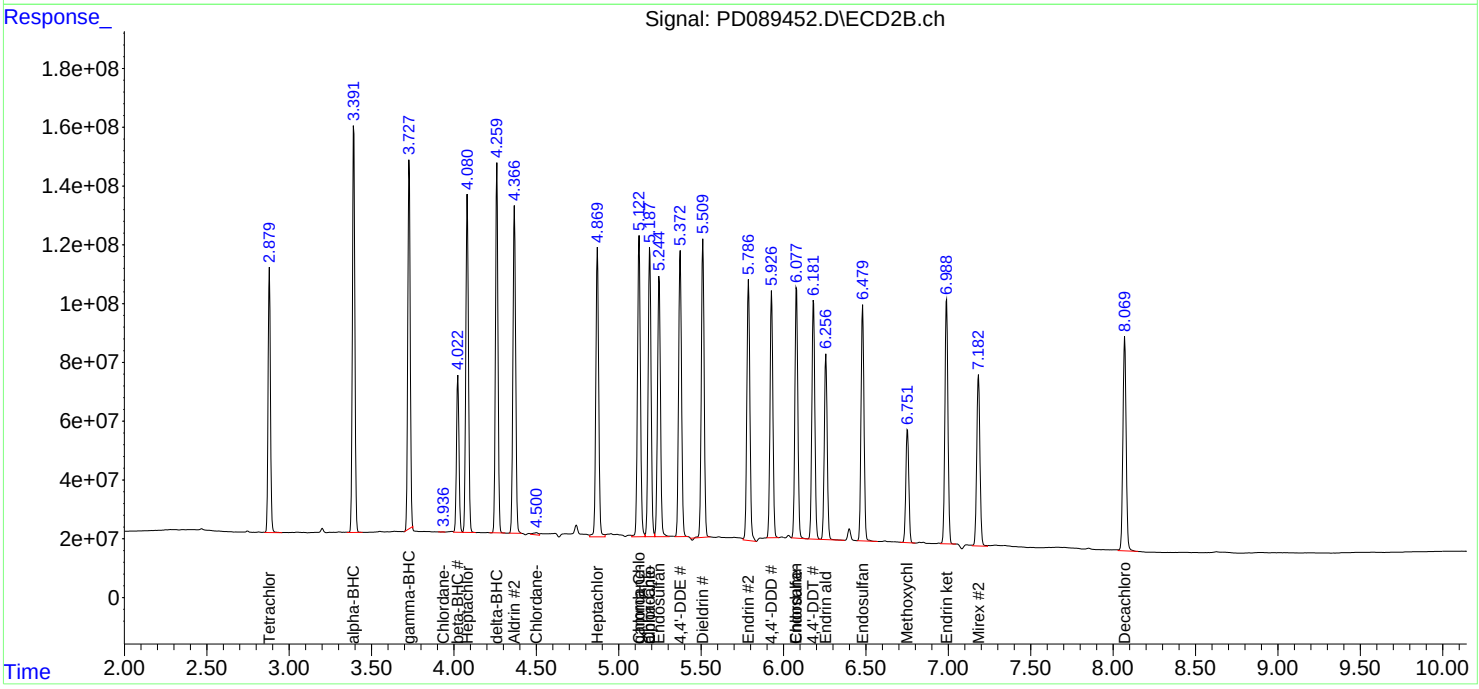
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 11:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

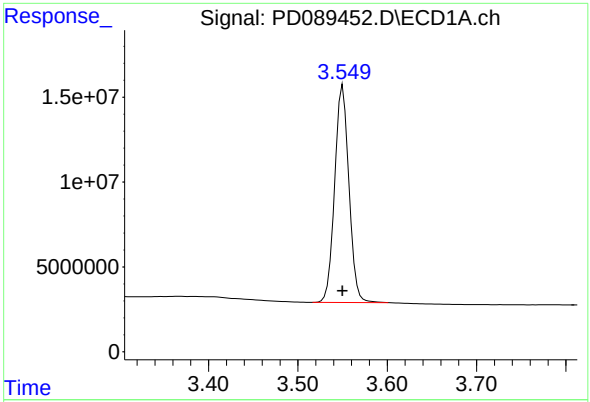
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:49:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



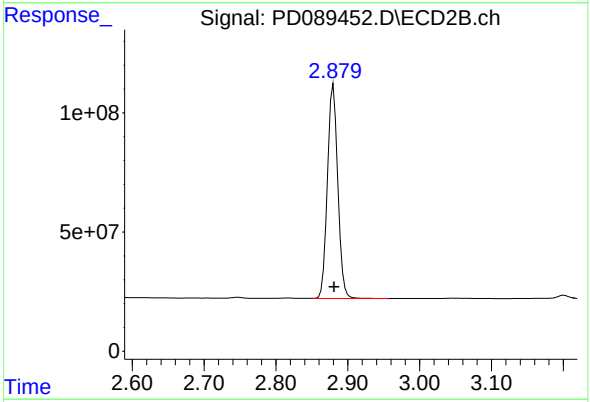




#1 Tetrachloro-m-xylene

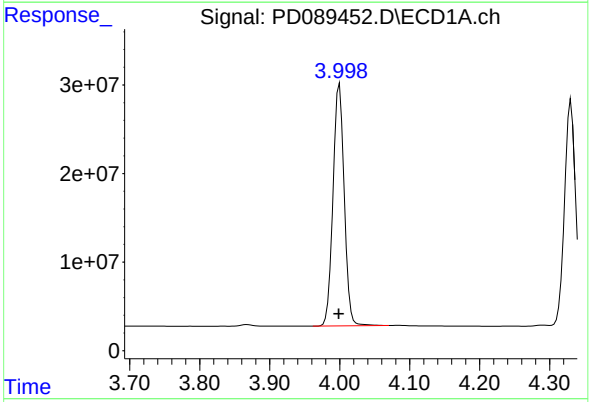
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 141748061
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



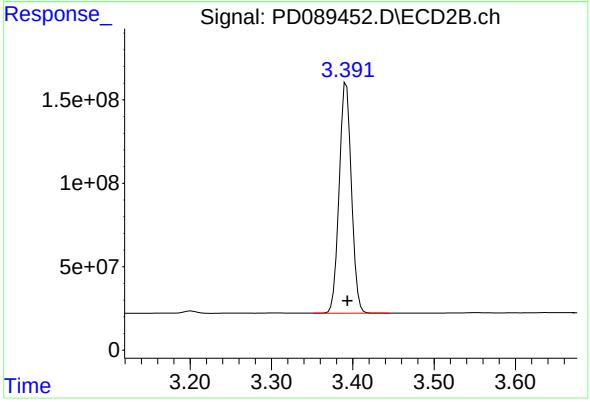
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 899454980
Conc: 53.06 ng/ml



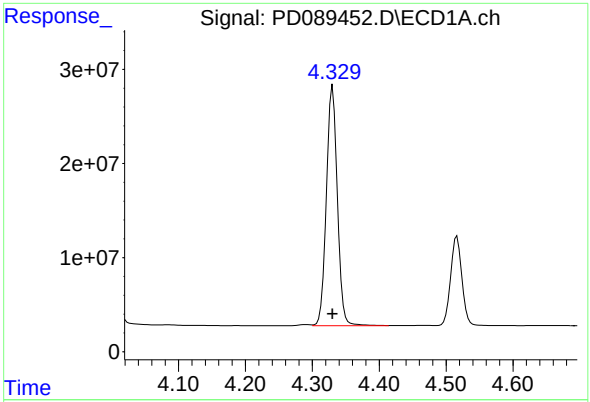
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 304357054
Conc: 52.21 ng/ml



#2 alpha-BHC

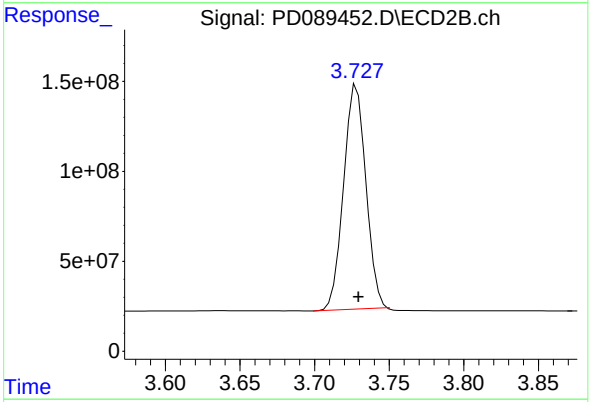
R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1441884633
Conc: 53.81 ng/ml



#3 gamma-BHC (Lindane)

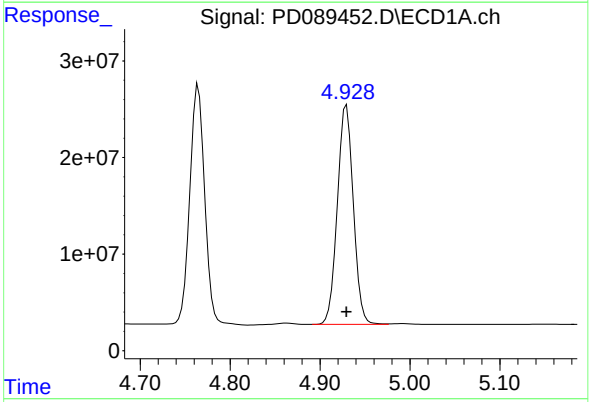
R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 289307280
Conc: 51.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



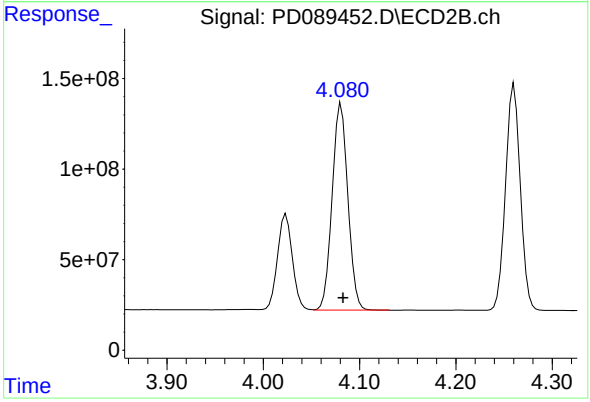
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1300433730
Conc: 52.53 ng/ml



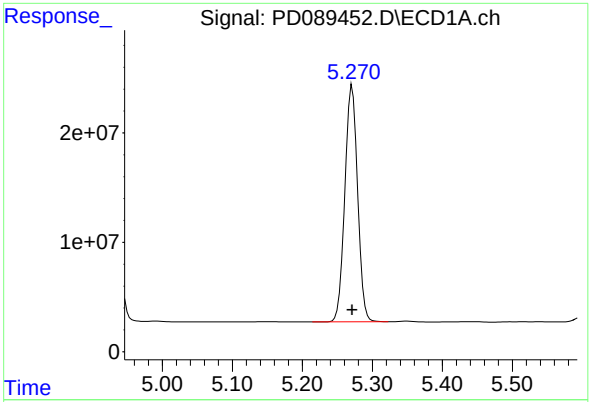
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 280125230
Conc: 51.38 ng/ml



#4 Heptachlor

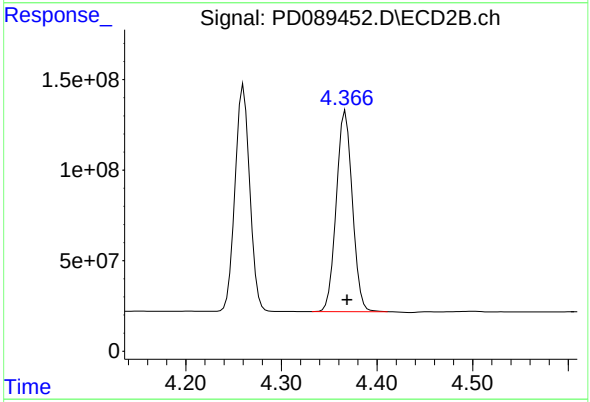
R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1294210012
Conc: 51.69 ng/ml



#5 Aldrin

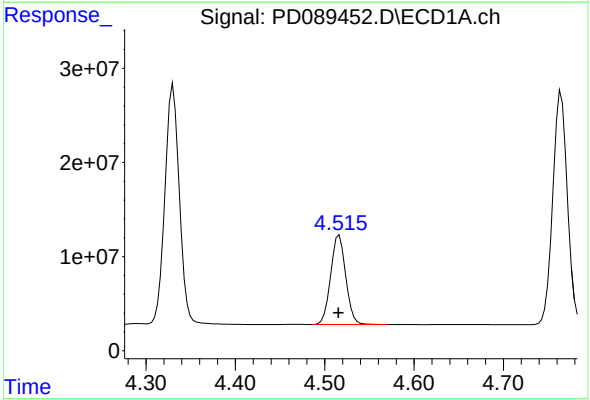
R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 273934823
Conc: 51.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



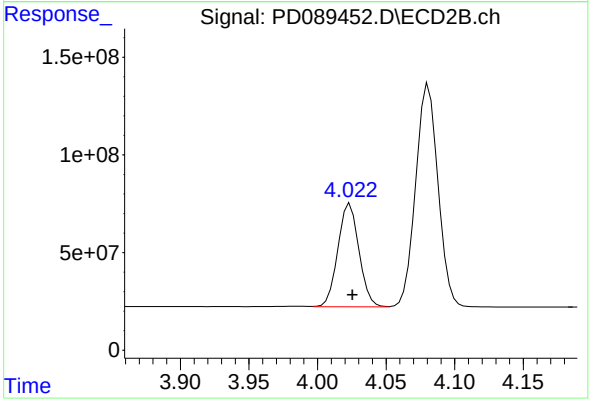
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1294983324
Conc: 53.47 ng/ml



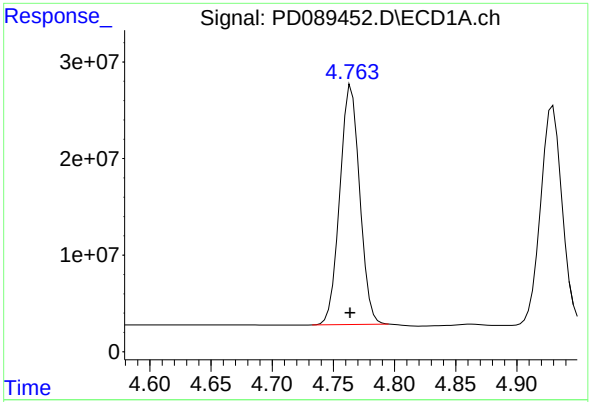
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 111479676
Conc: 50.51 ng/ml



#6 beta-BHC

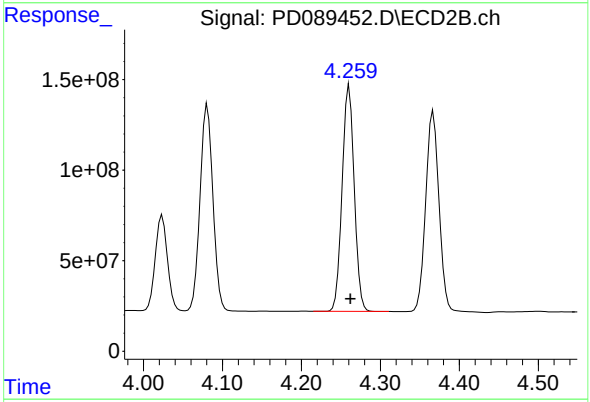
R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 566986958
Conc: 52.76 ng/ml



#7 delta-BHC

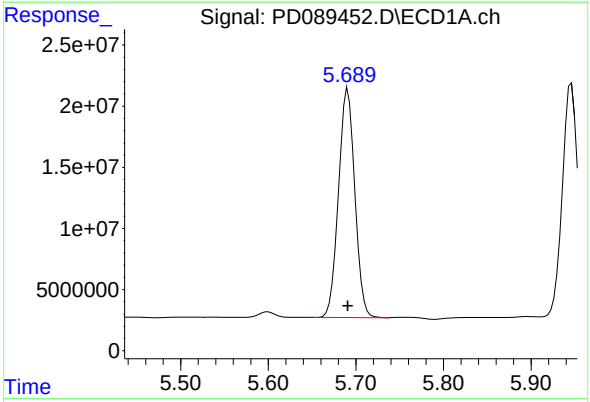
R.T.: 4.765 min
Delta R.T.: 0.001 min
Response: 280466713
Conc: 54.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



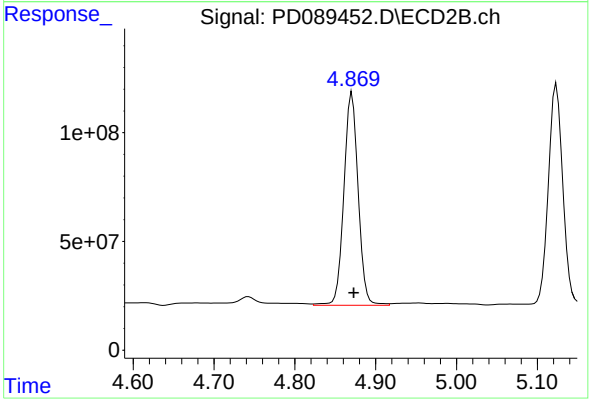
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.001 min
Response: 1331949078
Conc: 53.55 ng/ml



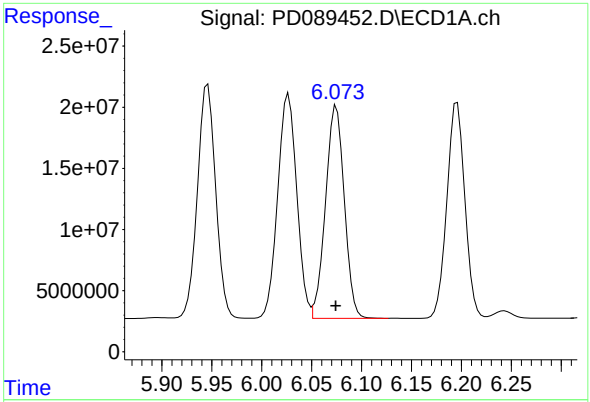
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 242258134
Conc: 50.22 ng/ml



#8 Heptachlor epoxide

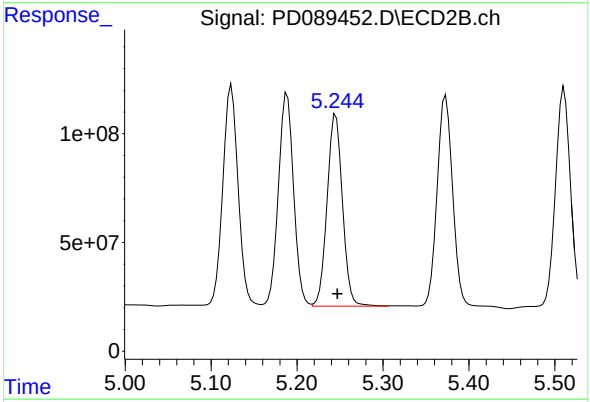
R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1201268138
Conc: 54.86 ng/ml



#9 Endosulfan I

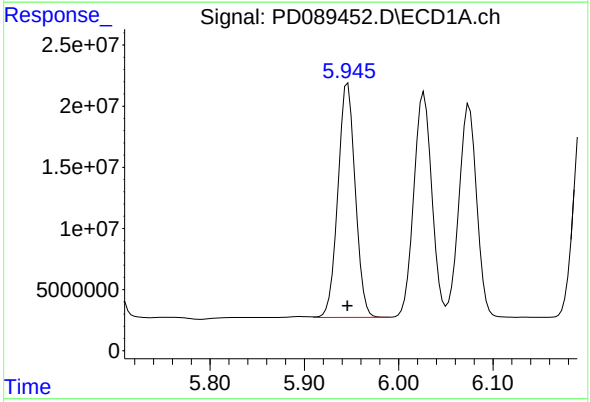
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 227430756
Conc: 50.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



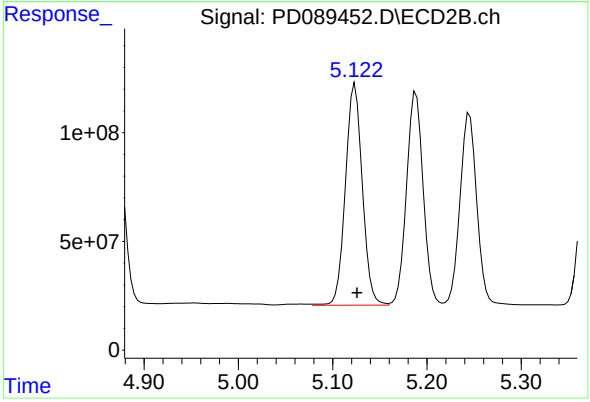
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1093872357
Conc: 52.48 ng/ml



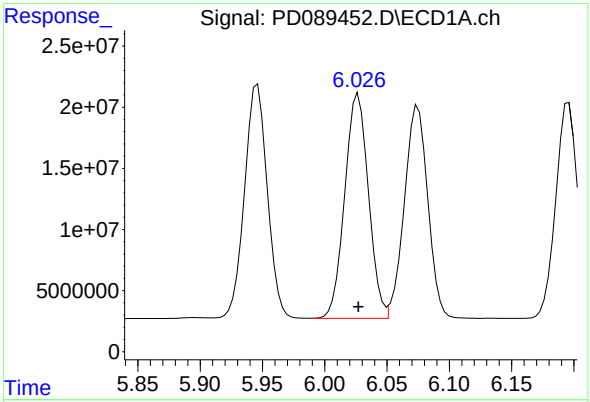
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 244718030
Conc: 51.11 ng/ml



#10 gamma-Chlordane

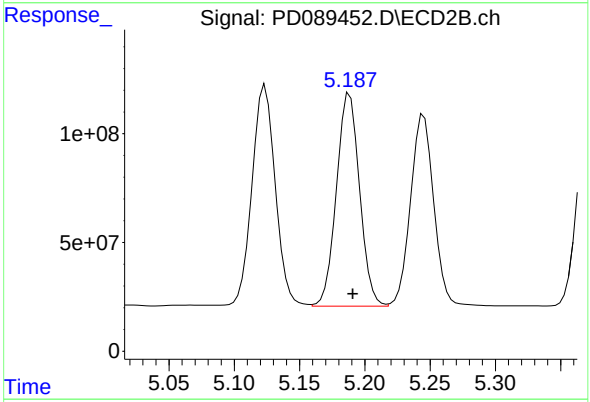
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1268767205
Conc: 53.04 ng/ml



#11 alpha-Chlordane

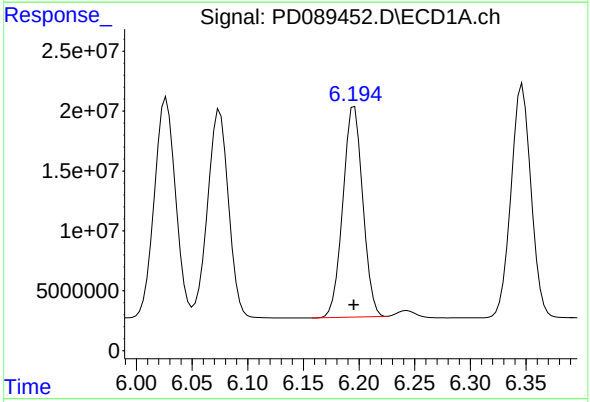
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 244503385
Conc: 50.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



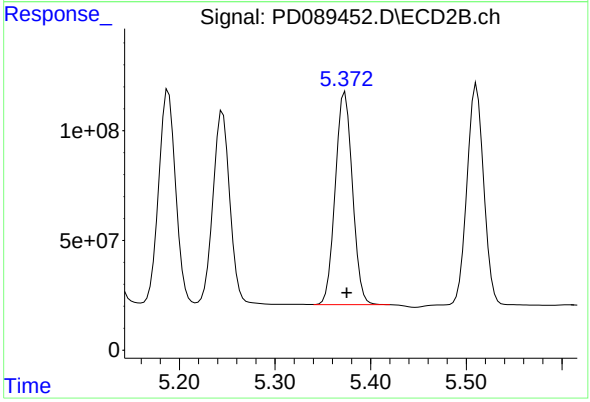
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1207850221
Conc: 52.75 ng/ml



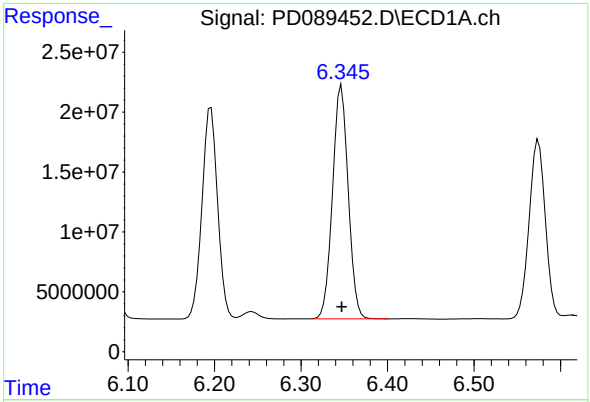
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 218999134
Conc: 50.22 ng/ml



#12 4,4'-DDE

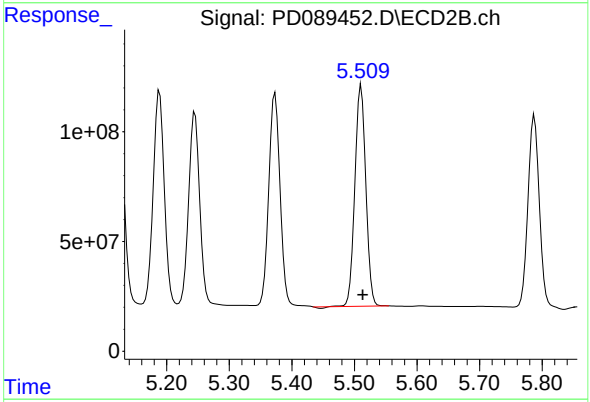
R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1210109711
Conc: 52.81 ng/ml



#13 Dieldrin

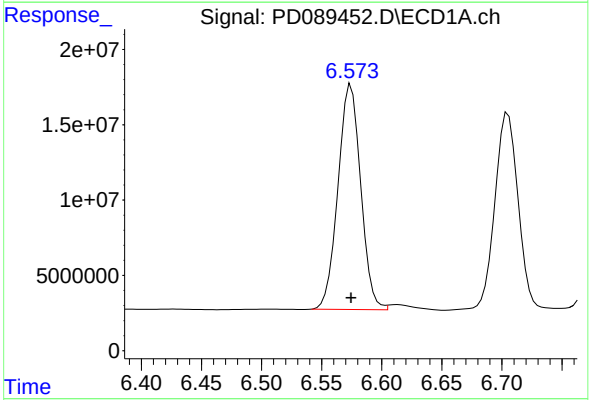
R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 244059811
Conc: 50.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



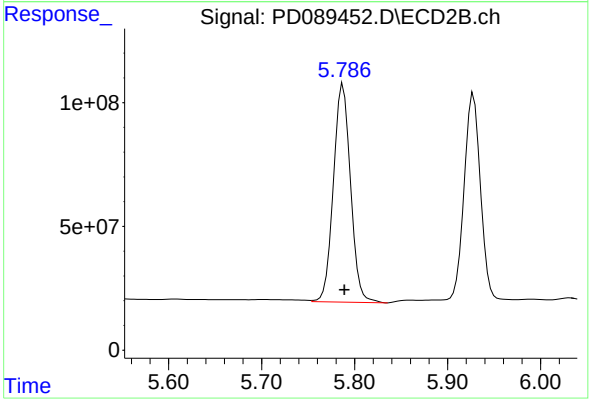
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1227482686
Conc: 52.89 ng/ml



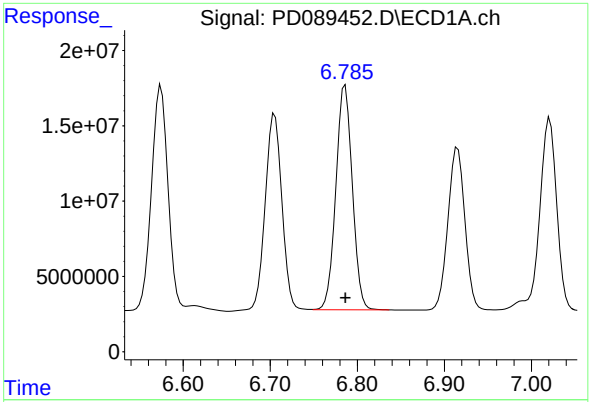
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 196886015
Conc: 47.72 ng/ml



#14 Endrin

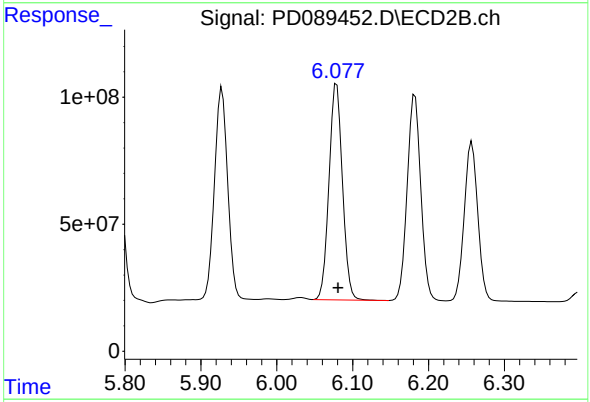
R.T.: 5.788 min
Delta R.T.: -0.002 min
Response: 1128464290
Conc: 51.97 ng/ml



#15 Endosulfan II

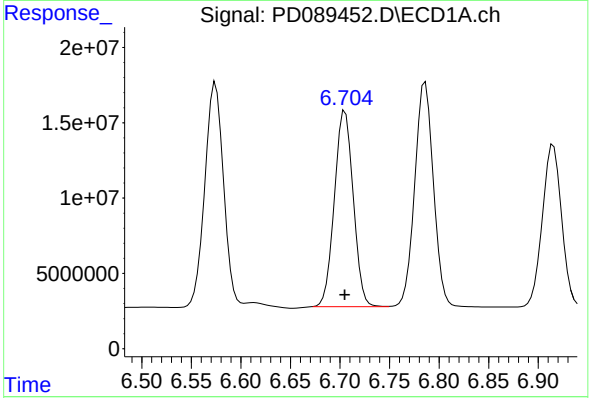
R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 196042691
Conc: 48.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



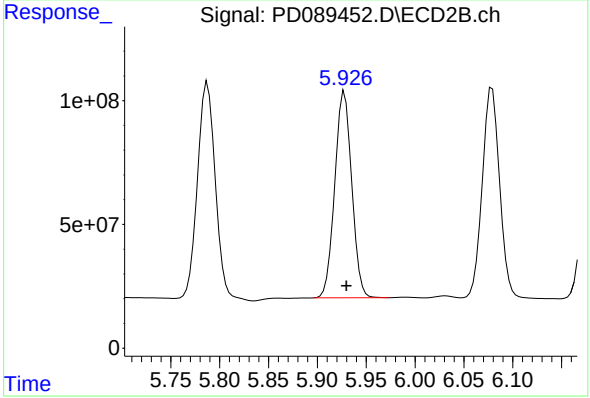
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 1049894168
Conc: 51.98 ng/ml



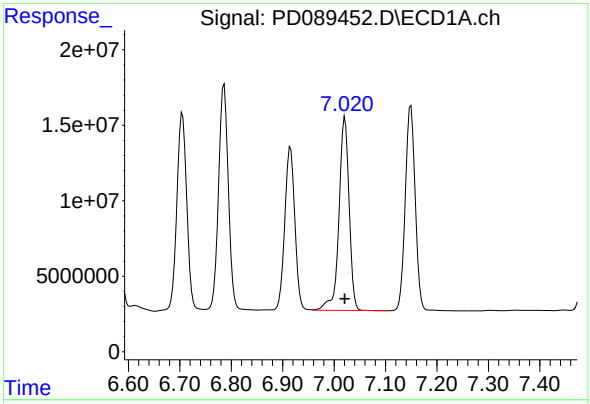
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 172373973
Conc: 50.22 ng/ml



#16 4,4'-DDD

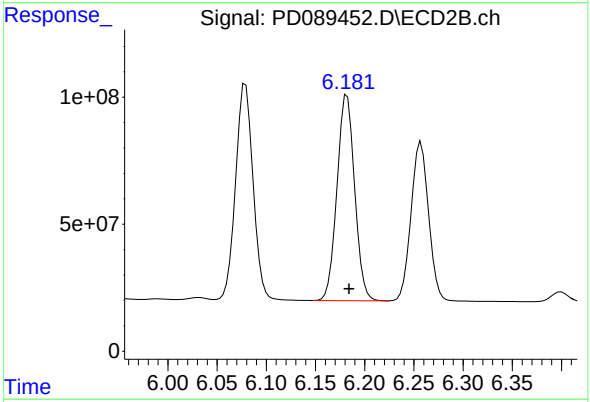
R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 1009541401
Conc: 52.77 ng/ml



#17 4,4'-DDT

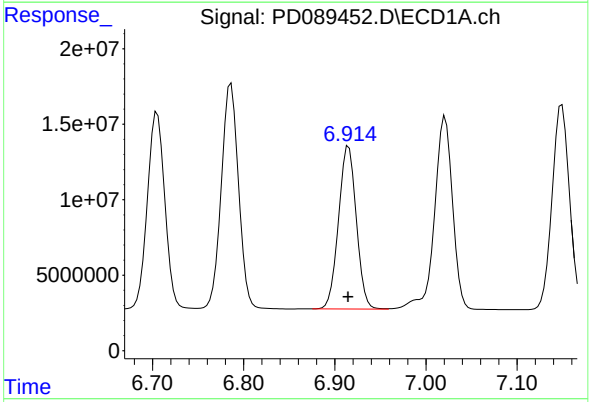
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 175671387
Conc: 46.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



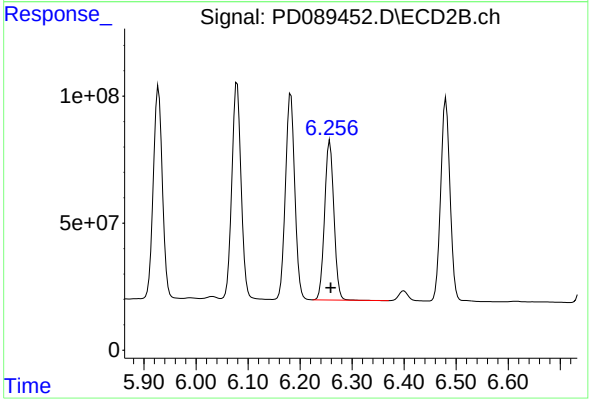
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1012263450
Conc: 49.92 ng/ml



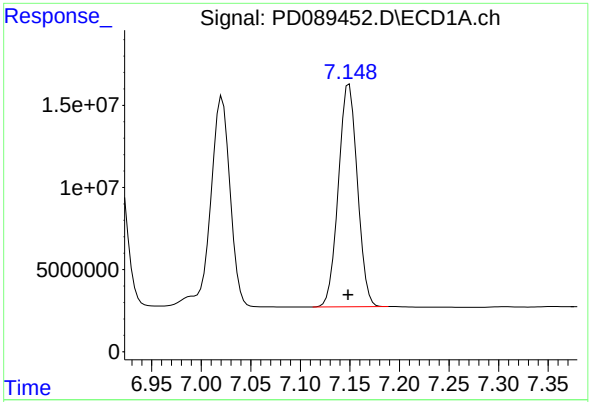
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 146389765
Conc: 47.78 ng/ml



#18 Endrin aldehyde

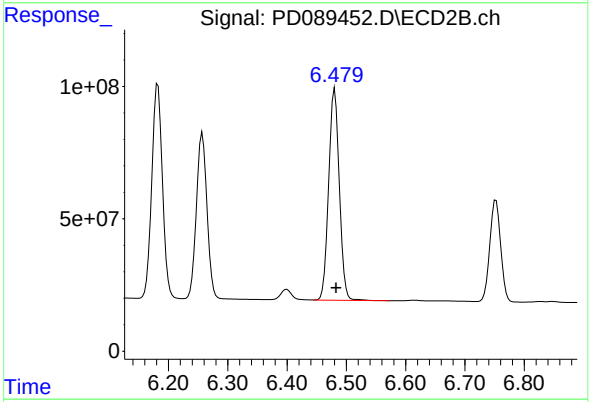
R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 780182106
Conc: 50.95 ng/ml



#19 Endosulfan Sulfate

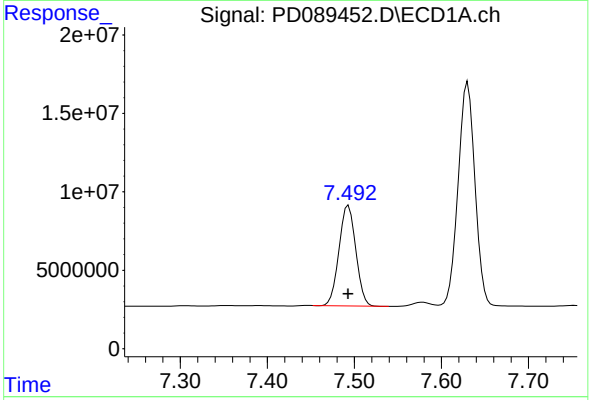
R.T.: 7.149 min
Delta R.T.: 0.001 min
Response: 180713080
Conc: 47.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



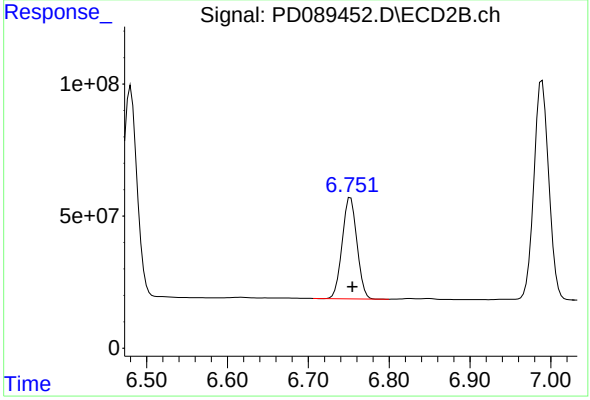
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 993939511
Conc: 50.66 ng/ml



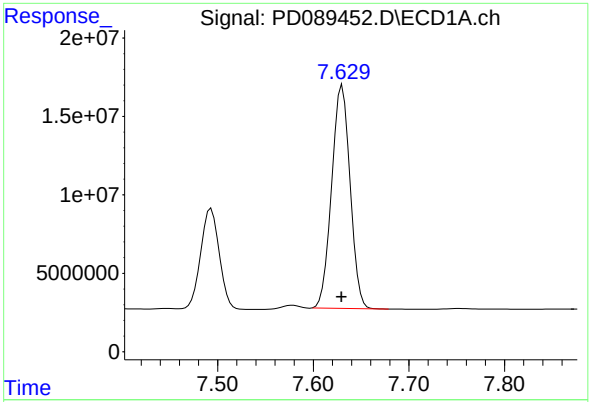
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 85801063
Conc: 42.46 ng/ml



#20 Methoxychlor

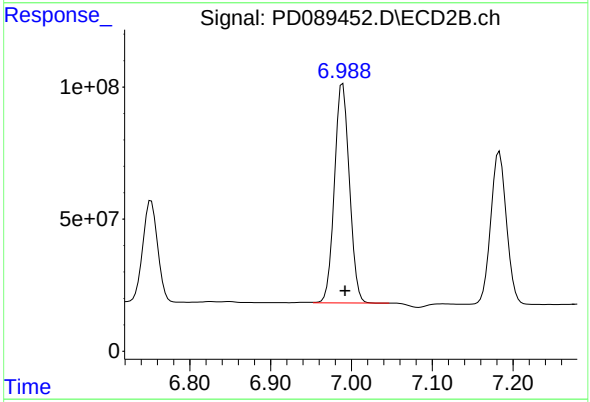
R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 486882409
Conc: 45.22 ng/ml



#21 Endrin ketone

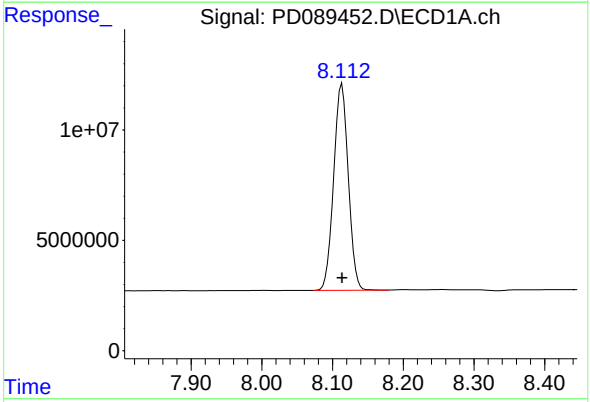
R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 190474871
Conc: 46.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



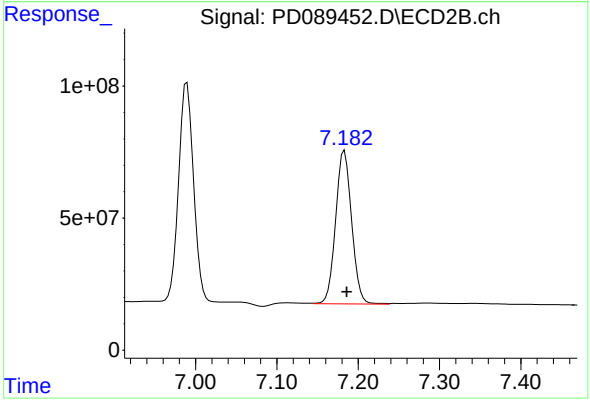
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1065636576
Conc: 49.33 ng/ml



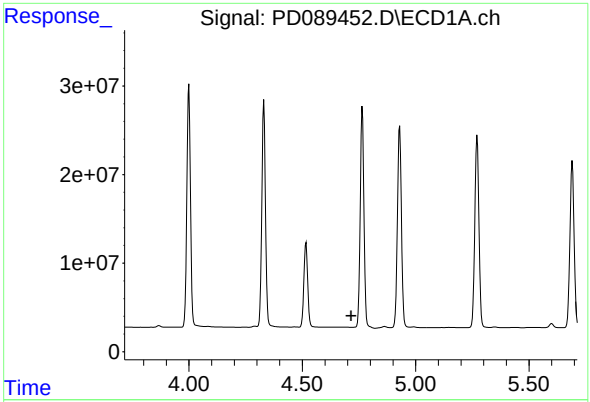
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 134190214
Conc: 44.14 ng/ml



#22 Mirex

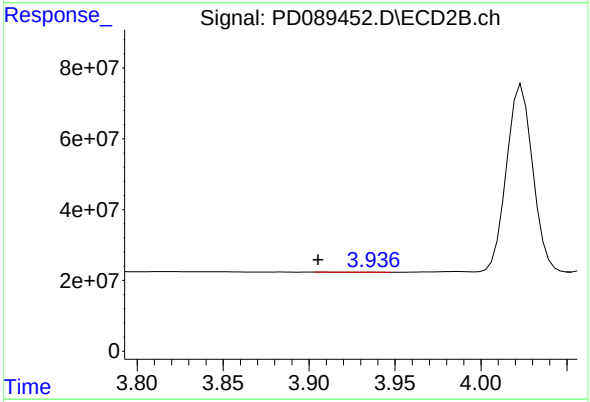
R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 791983684
Conc: 47.49 ng/ml



#23 Chlordane-1

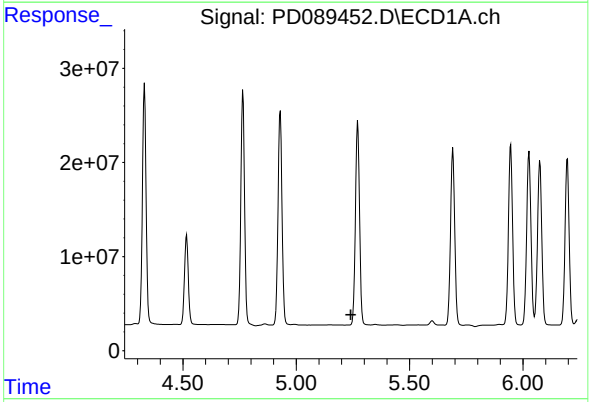
R.T.: 0.000 min
Exp R.T. : 4.715 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



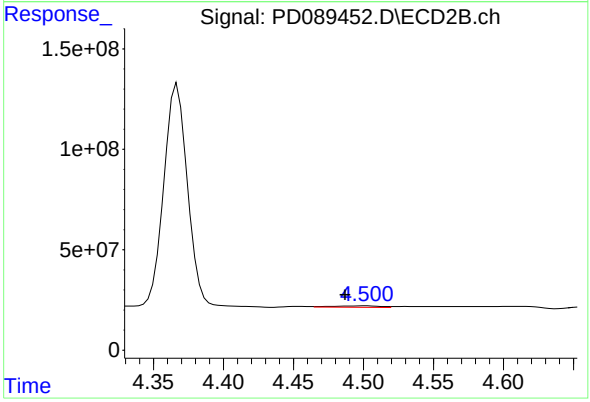
#23 Chlordane-1

R.T.: 3.937 min
Delta R.T.: 0.032 min
Response: 151474
Conc: 0.16 ng/ml



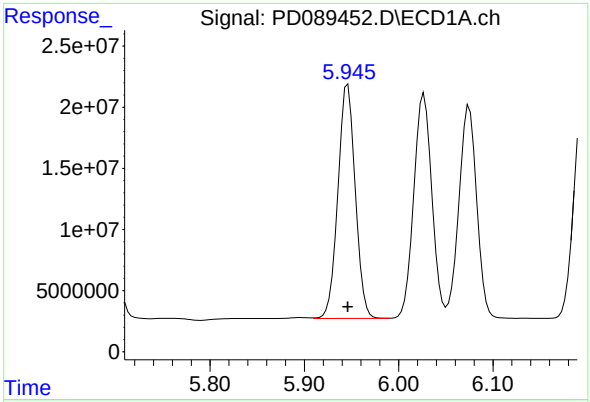
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.241 min
Response: 0
Conc: N.D.



#24 Chlordane-2

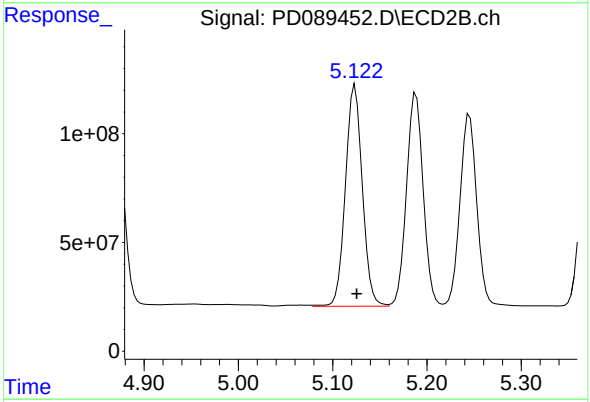
R.T.: 4.502 min
Delta R.T.: 0.015 min
Response: 16853917
Conc: 17.71 ng/ml



#25 Chlordane-3

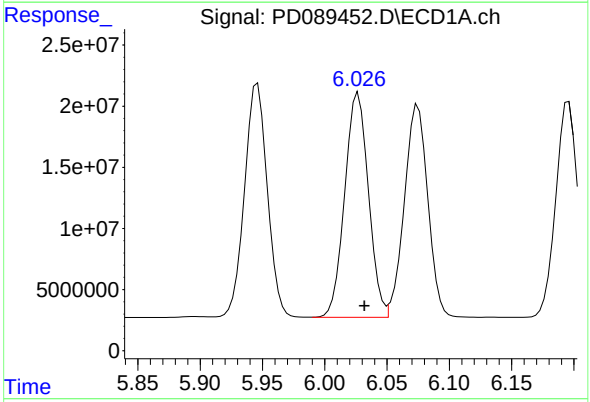
R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 244718030
Conc: 283.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



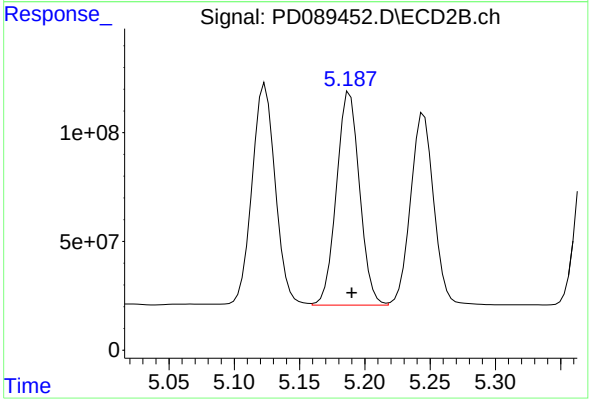
#25 Chlordane-3

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1268767205
Conc: 427.17 ng/ml



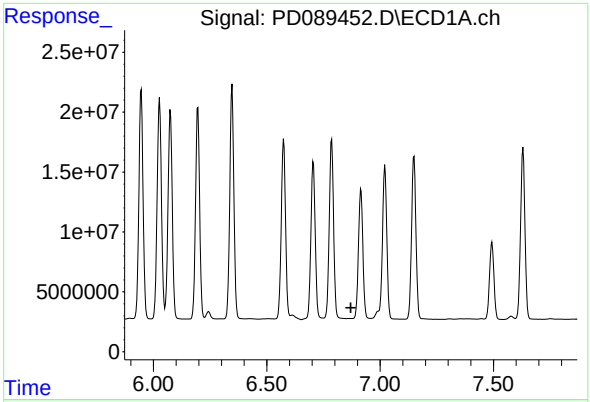
#26 Chlordane-4

R.T.: 6.027 min
Delta R.T.: -0.005 min
Response: 244503385
Conc: 232.70 ng/ml



#26 Chlordane-4

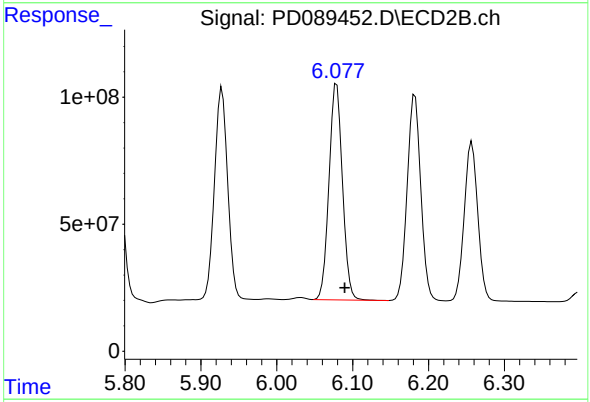
R.T.: 5.188 min
Delta R.T.: -0.001 min
Response: 1207850221
Conc: 481.84 ng/ml



#27 Chlordane-5

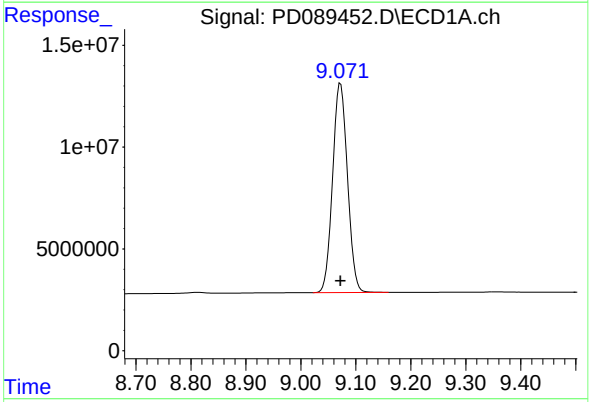
R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



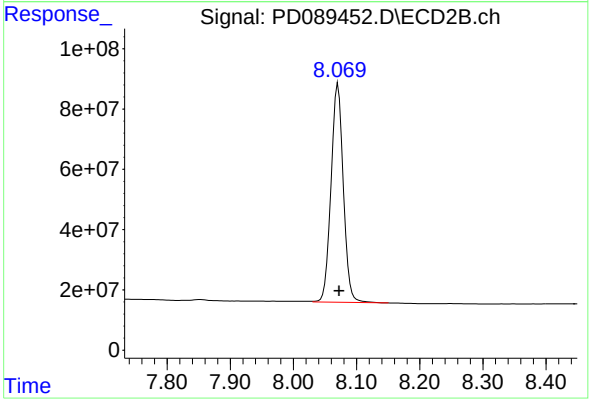
#27 Chlordane-5

R.T.: 6.079 min
Delta R.T.: -0.011 min
Response: 1049894168
Conc: 927.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 193083667
Conc: 49.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 982520438
Conc: 49.70 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:01
Operator : AR\AJ
Sample : PB168810BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168810BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.557	2.878	47158864	336.6E6	16.529	19.854	
28)	SA Decachlor...	9.082	8.072	66353362	341.4E6	16.894	17.269	
	Target Compounds							
2)	A alpha-BHC	0.000	3.381	0	5501383	N.D.	0.205	#
3)	MA gamma-BHC...	0.000	3.723	0	560839	N.D.	0.023	#
4)	MA Heptachlor	0.000	4.104f	0	257212	N.D.	0.010	#
5)	MB Aldrin	0.000	4.375	0	317761	N.D.	0.013	#
7)	B delta-BHC	4.786f	4.259	161685	-48421	0.031	N.D.	#
9)	A Endosulfan I	6.046f	0.000	84402	0	0.019	N.D.	#
10)	B gamma-Chl...	0.000	5.127	0	2583447	N.D.	0.108	#
11)	B alpha-Chl...	6.046f	5.176	84402	2225163	0.017	0.097	#
12)	B 4,4'-DDE	0.000	5.359f	0	1163837	N.D.	0.051	#
13)	MA Dieldrin	0.000	5.483f	0	745325	N.D.	0.032	#
14)	MA Endrin	0.000	5.793	0	3328033	N.D.	0.153	#
15)	B Endosulfa...	6.779	0.000	1925849	0	0.477	N.D.	#
17)	MA 4,4'-DDT	7.004f	6.192	291650	1839902	0.077	0.091	
18)	B Endrin al...	0.000	6.265	0	4657365	N.D.	0.304	#
20)	A Methoxychlor	0.000	6.749	0	672845	N.D.	0.062	#
24)	Chlordane-2	0.000	4.478	0	680465	N.D.	0.715	#
25)	Chlordane-3	0.000	5.127	0	2583447	N.D.	0.870	#
26)	Chlordane-4	6.046	5.176	84402	2225163	0.080	0.888	#

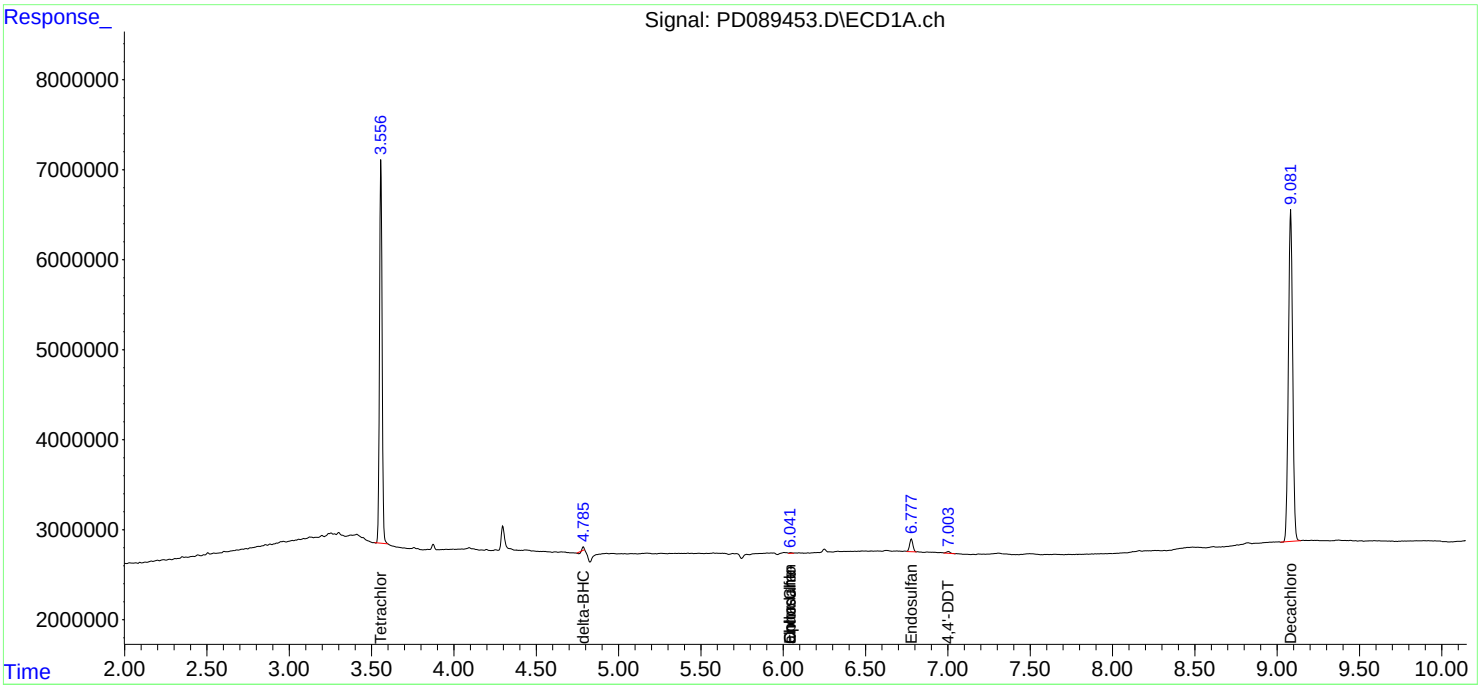
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

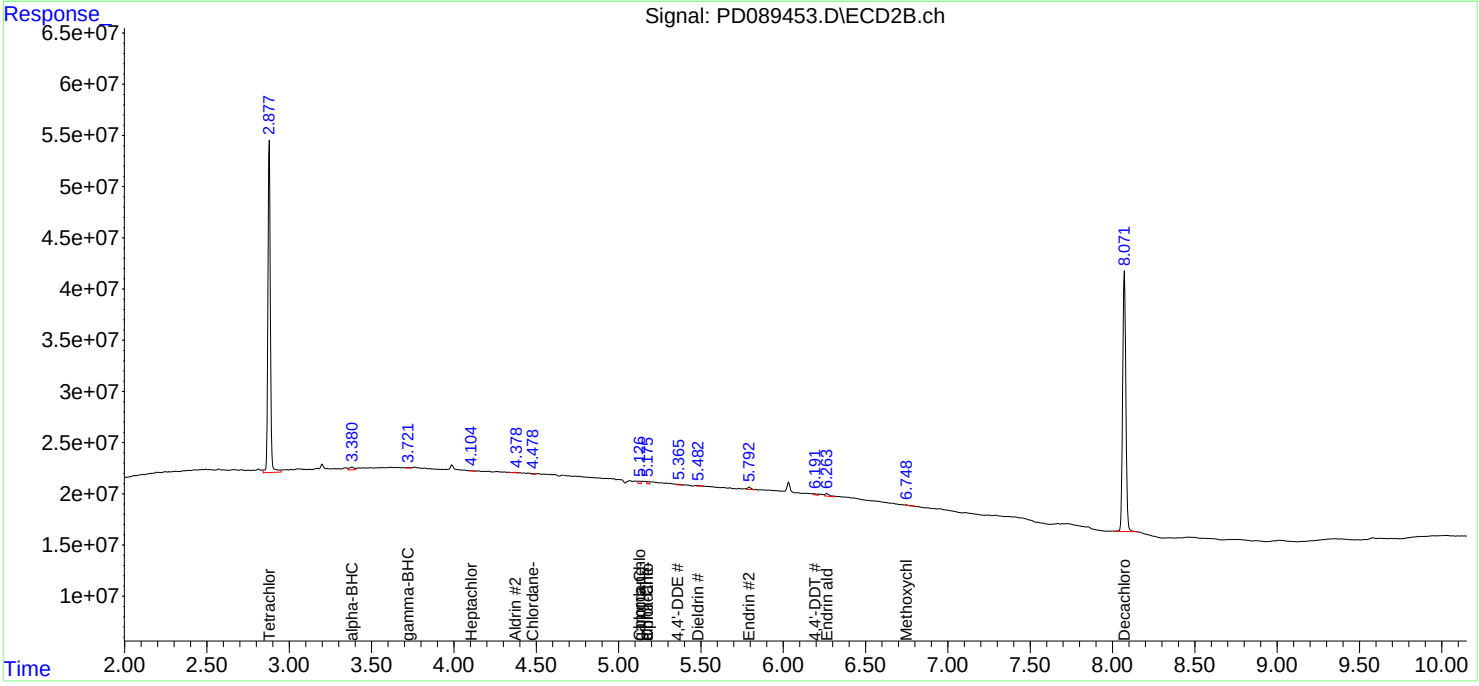
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:01
Operator : AR\AJ
Sample : PB168810BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

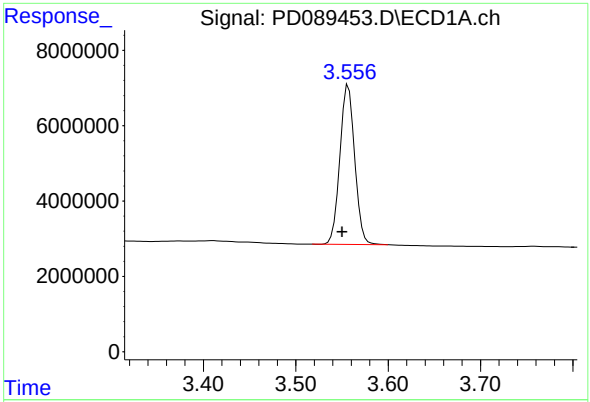
Instrument :
ECD_D
ClientSampleId :
PB168810BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



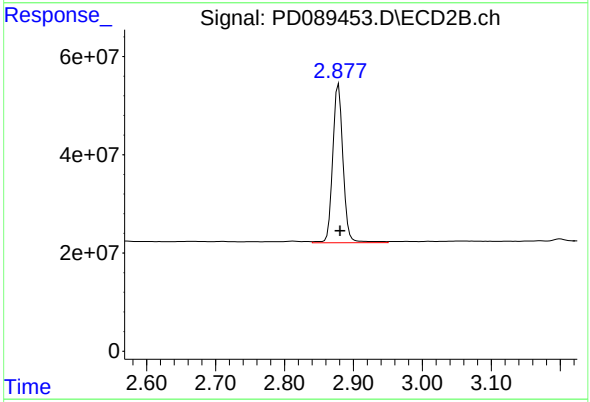




#1 Tetrachloro-m-xylene

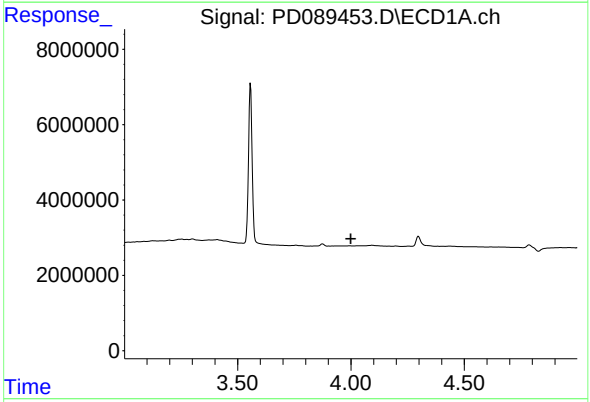
R.T.: 3.557 min
Delta R.T.: 0.007 min
Response: 47158864
Conc: 16.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BL



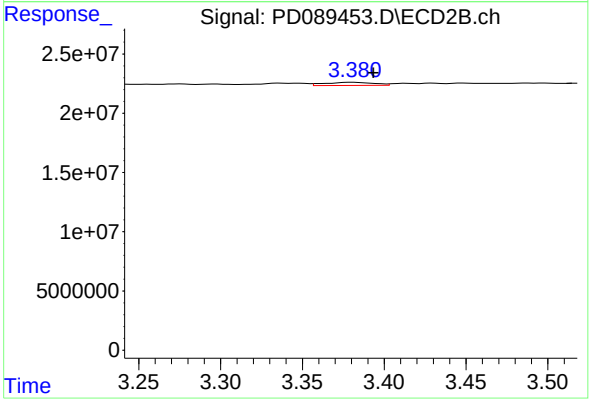
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.002 min
Response: 336592703
Conc: 19.85 ng/ml



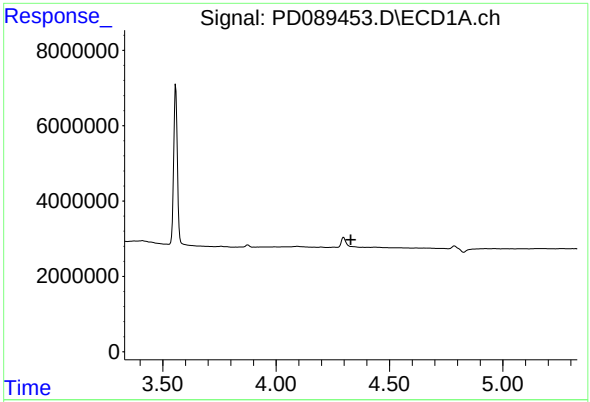
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.999 min
Response: 0
Conc: N.D.



#2 alpha-BHC

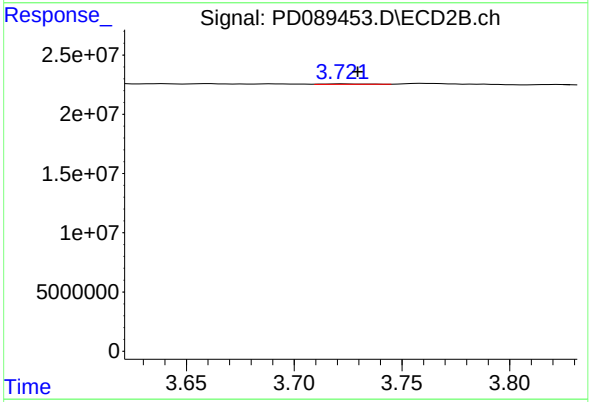
R.T.: 3.381 min
Delta R.T.: -0.012 min
Response: 5501383
Conc: 0.21 ng/ml



#3 gamma-BHC (Lindane)

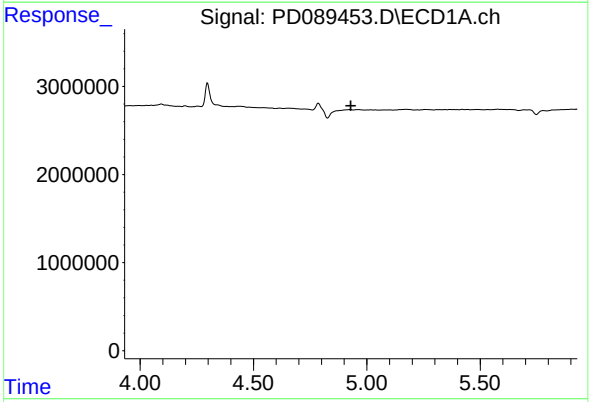
R.T.: 0.000 min
Exp R.T. : 4.330 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PB168810BL



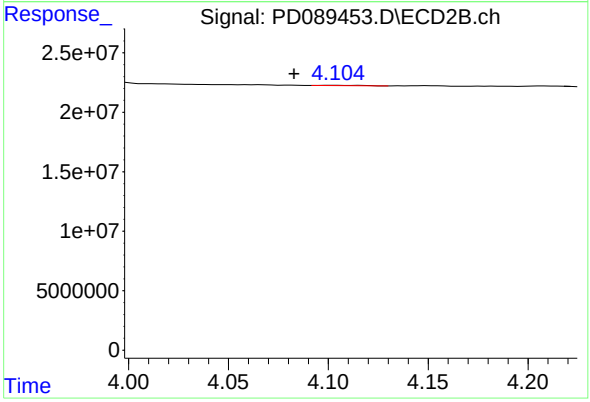
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.007 min
Response: 560839
Conc: 0.02 ng/ml



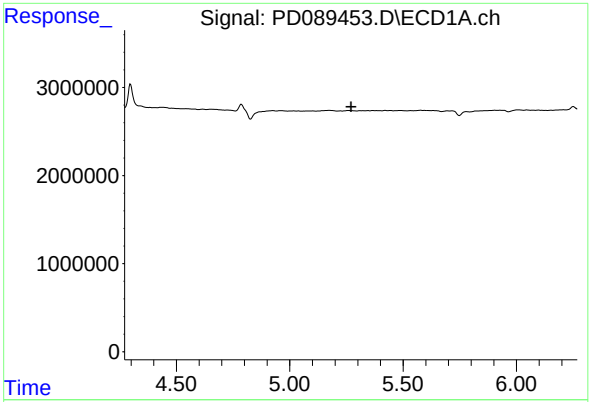
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.929 min
Response: 0
Conc: N.D.



#4 Heptachlor

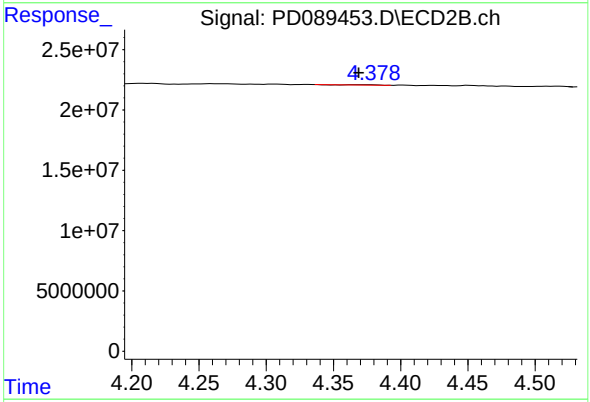
R.T.: 4.104 min
Delta R.T.: 0.021 min
Response: 257212
Conc: 0.01 ng/ml



#5 Aldrin

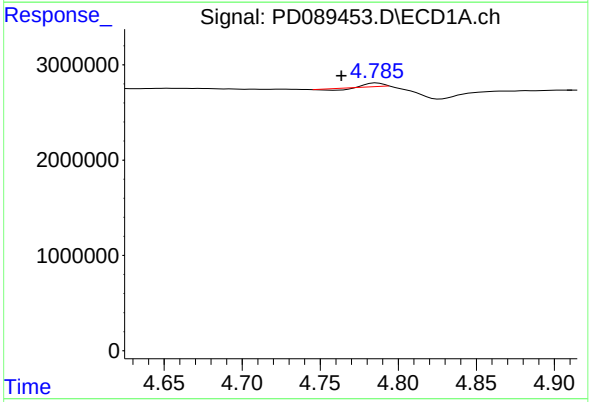
R.T.: 0.000 min
Exp R.T. : 5.271 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PB168810BL



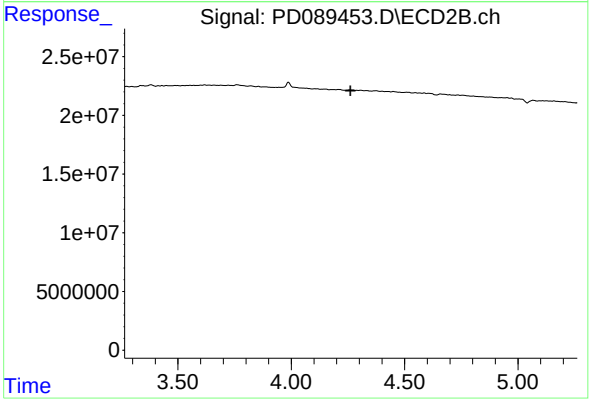
#5 Aldrin

R.T.: 4.375 min
Delta R.T.: 0.006 min
Response: 317761
Conc: 0.01 ng/ml



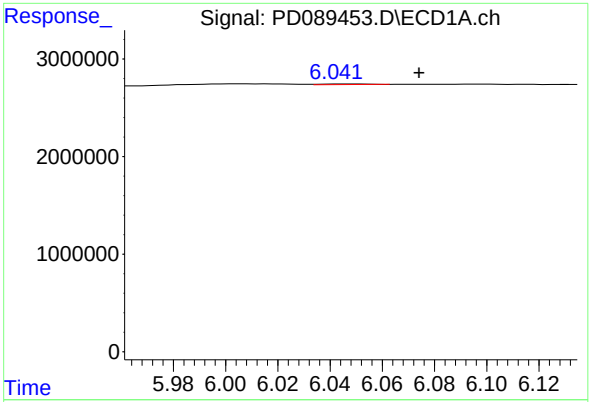
#7 delta-BHC

R.T.: 4.786 min
Delta R.T.: 0.023 min
Response: 161685
Conc: 0.03 ng/ml



#7 delta-BHC

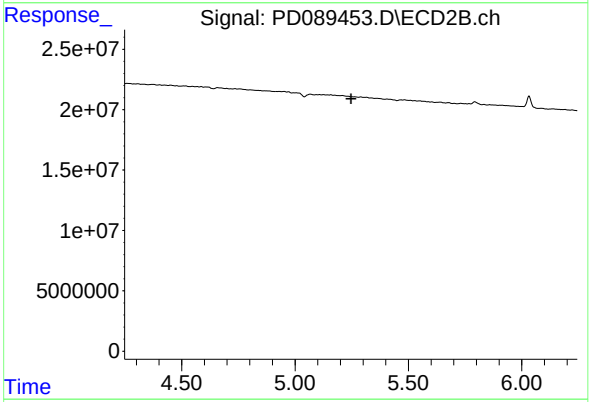
R.T.: 4.259 min
Delta R.T.: -0.003 min
Response: -48421
Conc: N.D.



#9 Endosulfan I

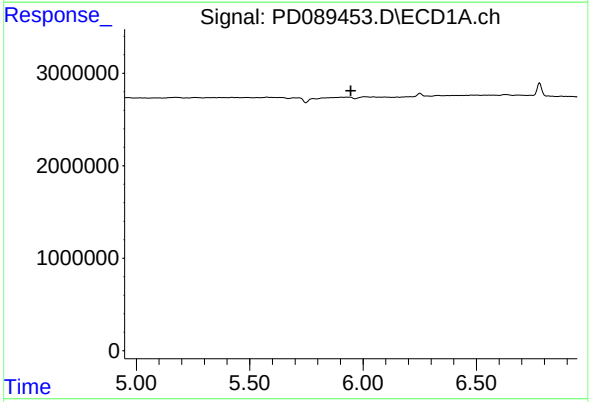
R.T.: 6.046 min
Delta R.T.: -0.028 min
Response: 84402
Conc: 0.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BL



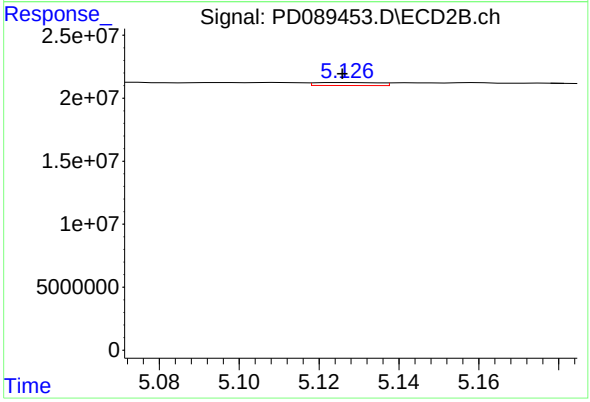
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 5.247 min
Response: 0
Conc: N.D.



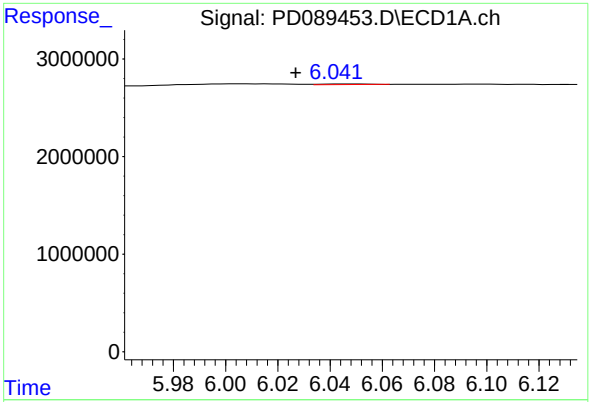
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.946 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

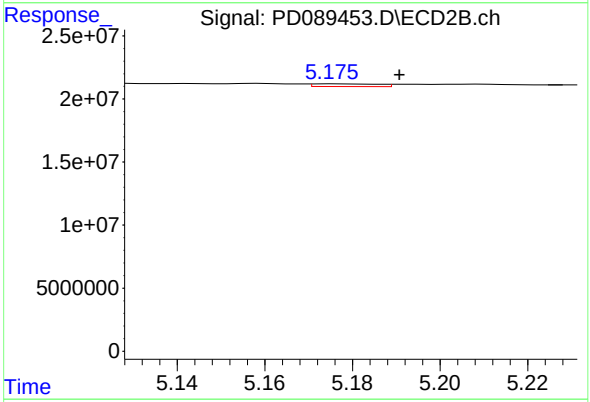
R.T.: 5.127 min
Delta R.T.: 0.000 min
Response: 2583447
Conc: 0.11 ng/ml



#11 alpha-Chlordane

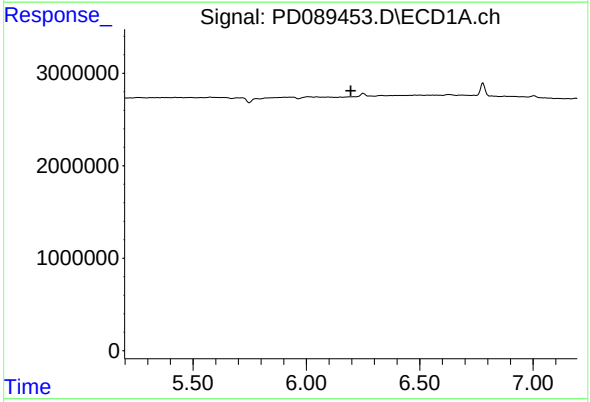
R.T.: 6.046 min
Delta R.T.: 0.019 min
Response: 84402
Conc: 0.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BL



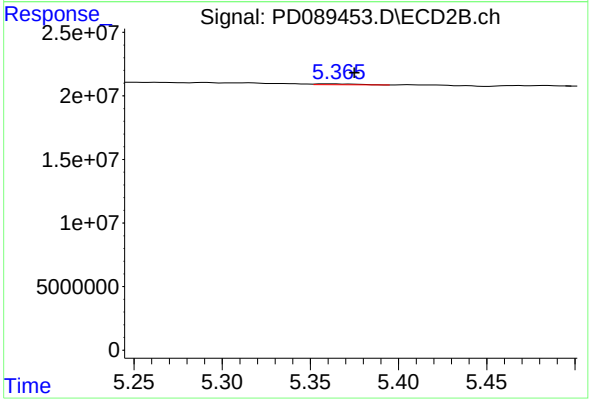
#11 alpha-Chlordane

R.T.: 5.176 min
Delta R.T.: -0.015 min
Response: 2225163
Conc: 0.10 ng/ml



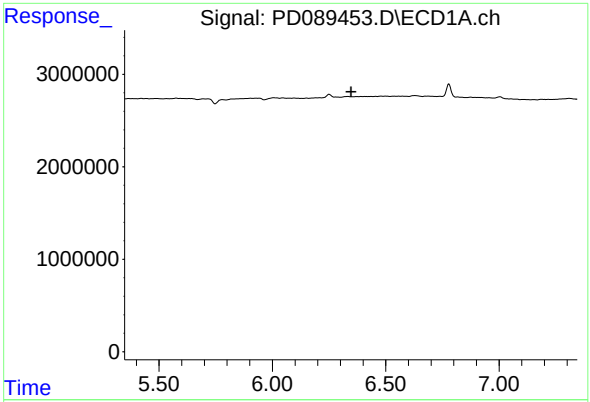
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 6.195 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

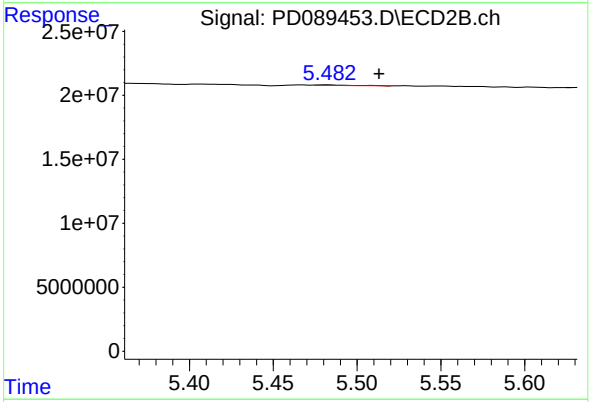
R.T.: 5.359 min
Delta R.T.: -0.016 min
Response: 1163837
Conc: 0.05 ng/ml



#13 Dieldrin

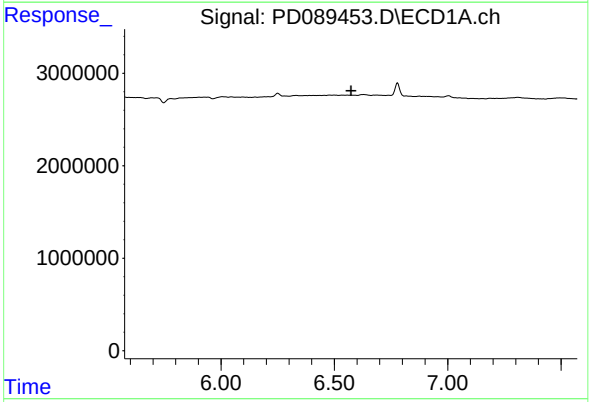
R.T.: 0.000 min
Exp R.T. : 6.347 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PB168810BL



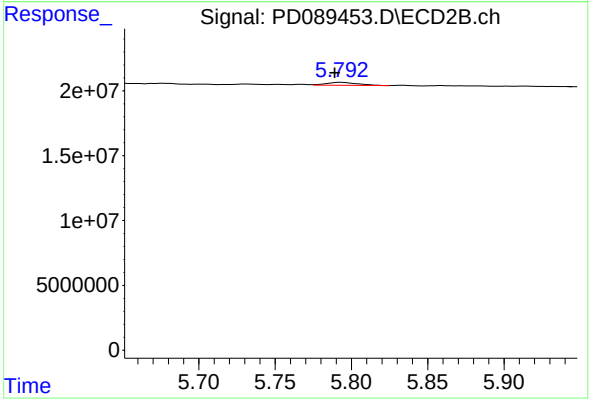
#13 Dieldrin

R.T.: 5.483 min
Delta R.T.: -0.030 min
Response: 745325
Conc: 0.03 ng/ml



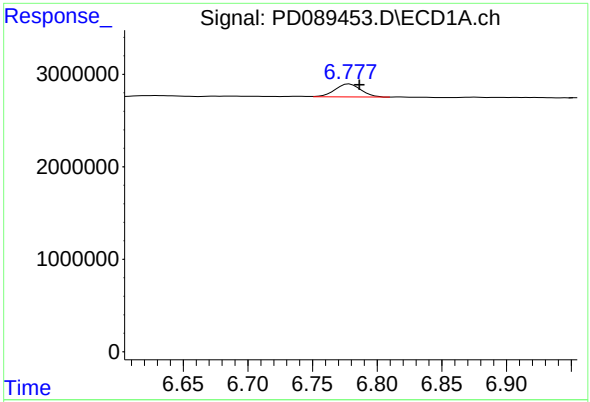
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.574 min
Response: 0
Conc: N.D.



#14 Endrin

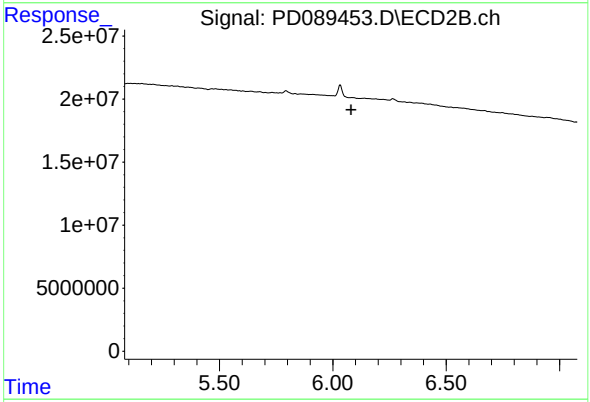
R.T.: 5.793 min
Delta R.T.: 0.004 min
Response: 3328033
Conc: 0.15 ng/ml



#15 Endosulfan II

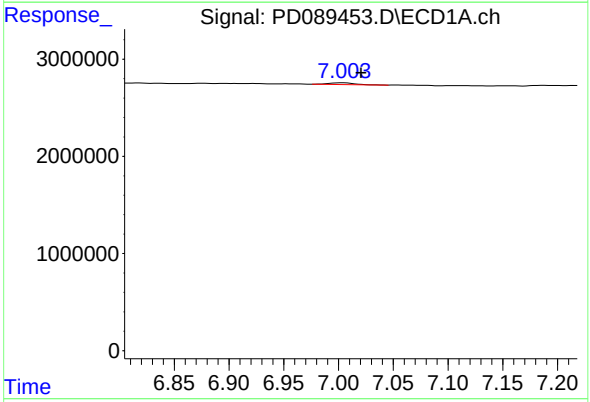
R.T.: 6.779 min
Delta R.T.: -0.008 min
Response: 1925849
Conc: 0.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BL



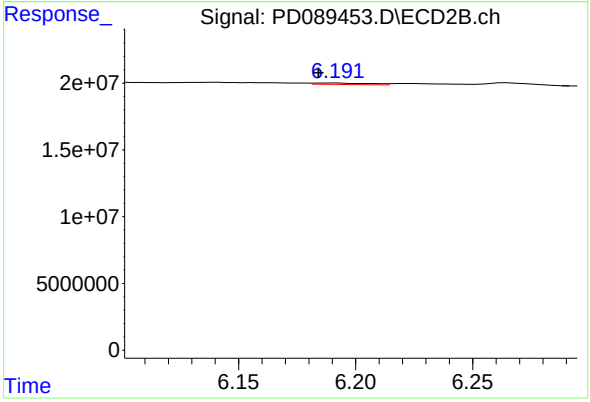
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.081 min
Response: 0
Conc: N.D.



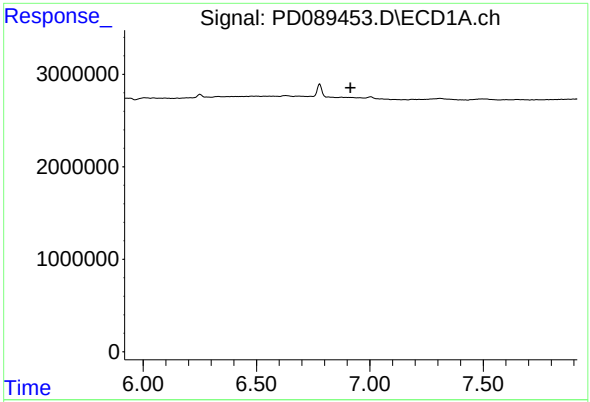
#17 4,4'-DDT

R.T.: 7.004 min
Delta R.T.: -0.016 min
Response: 291650
Conc: 0.08 ng/ml



#17 4,4'-DDT

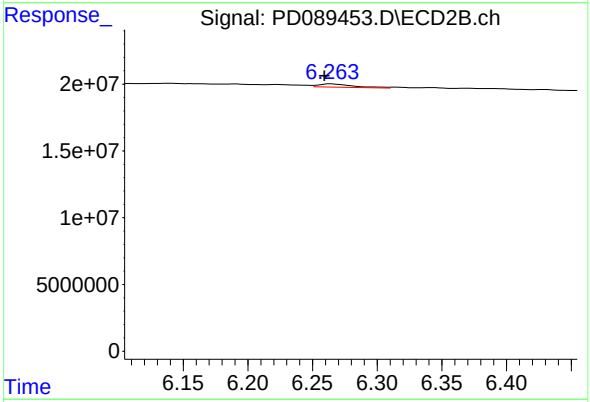
R.T.: 6.192 min
Delta R.T.: 0.007 min
Response: 1839902
Conc: 0.09 ng/ml



#18 Endrin aldehyde

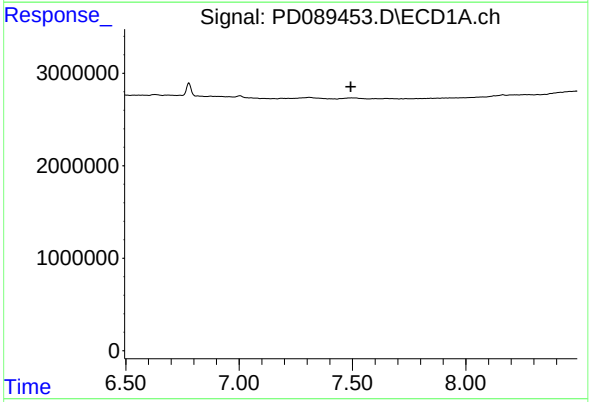
R.T.: 0.000 min
Exp R.T. : 6.915 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PB168810BL



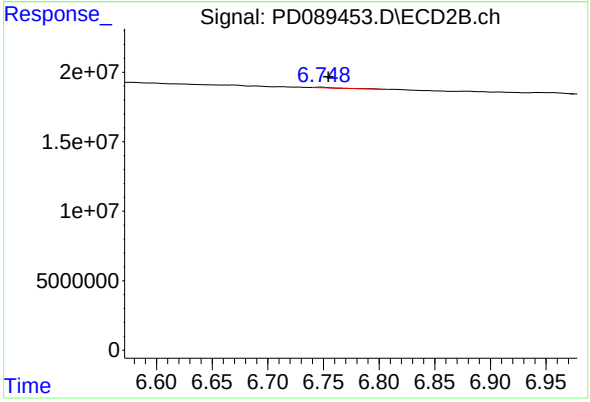
#18 Endrin aldehyde

R.T.: 6.265 min
Delta R.T.: 0.006 min
Response: 4657365
Conc: 0.30 ng/ml



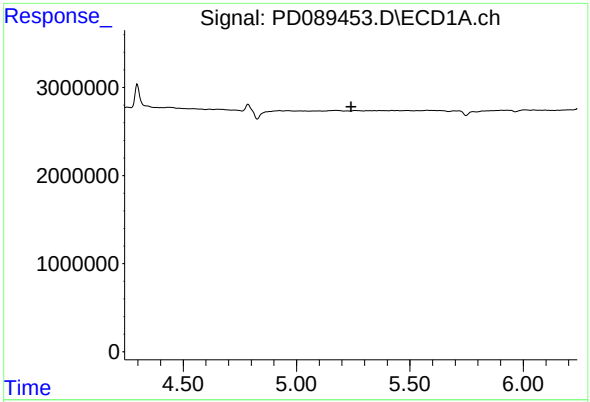
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.493 min
Response: 0
Conc: N.D.



#20 Methoxychlor

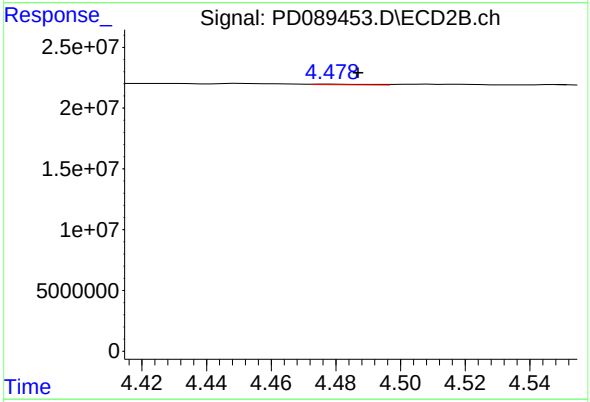
R.T.: 6.749 min
Delta R.T.: -0.006 min
Response: 672845
Conc: 0.06 ng/ml



#24 Chlordane-2

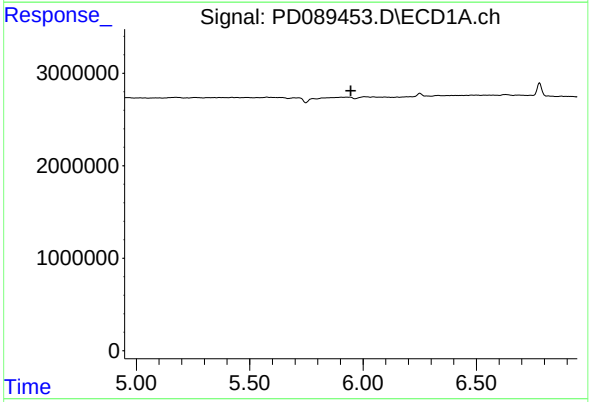
R.T.: 0.000 min
Exp R.T. : 5.241 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PB168810BL



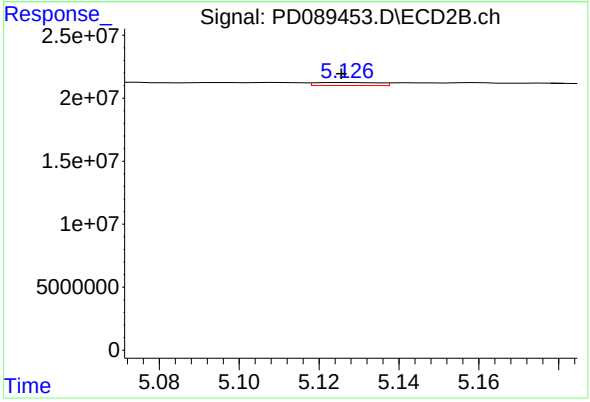
#24 Chlordane-2

R.T.: 4.478 min
Delta R.T.: -0.009 min
Response: 680465
Conc: 0.72 ng/ml



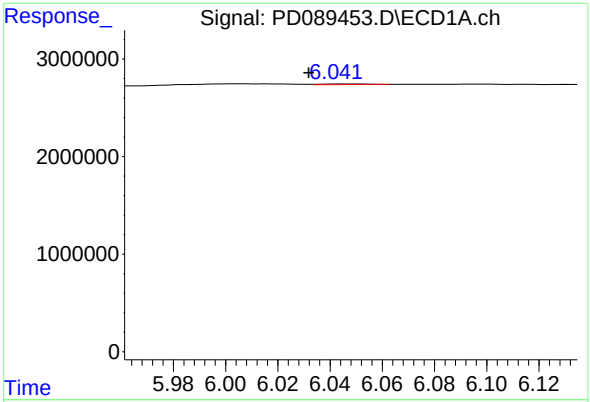
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.946 min
Response: 0
Conc: N.D.



#25 Chlordane-3

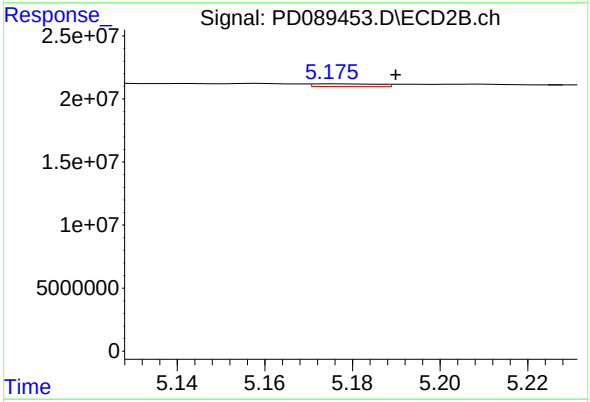
R.T.: 5.127 min
Delta R.T.: 0.001 min
Response: 2583447
Conc: 0.87 ng/ml



#26 Chlordane-4

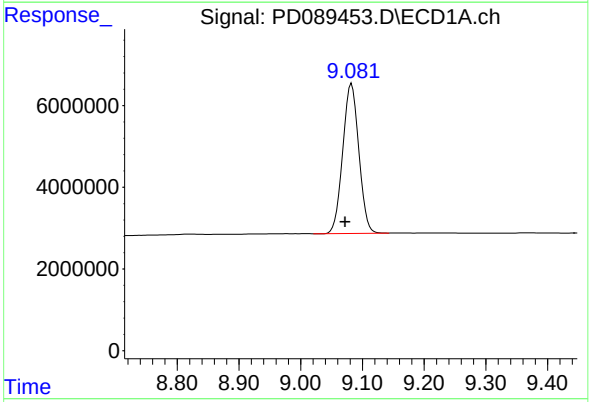
R.T.: 6.046 min
Delta R.T.: 0.014 min
Response: 84402
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BL



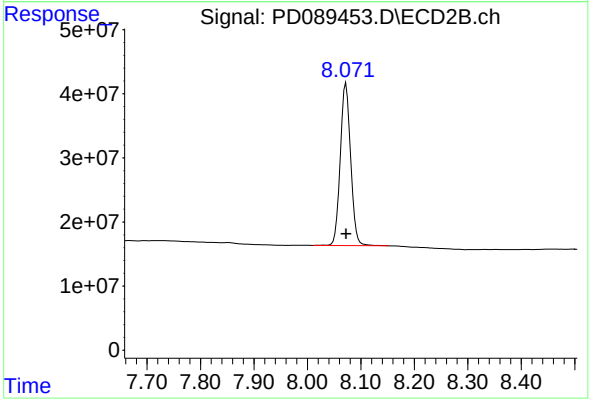
#26 Chlordane-4

R.T.: 5.176 min
Delta R.T.: -0.014 min
Response: 2225163
Conc: 0.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.082 min
Delta R.T.: 0.010 min
Response: 66353362
Conc: 16.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 341412130
Conc: 17.27 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:15
Operator : AR\AJ
Sample : PB168810BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168810BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.879	44833691	333.1E6	15.714	19.648 #
28)	SA Decachlor...	9.072	8.070	64927993	333.2E6	16.531	16.853
	Target Compounds						
2)	A alpha-BHC	3.999	3.391	280.4E6	1381.9E6	48.109	51.568
3)	MA gamma-BHC...	4.330	3.727	268.1E6	1256.5E6	48.033	50.754
4)	MA Heptachlor	4.929	4.080	259.9E6	1233.3E6	47.672	49.256
5)	MB Aldrin	5.270	4.366	258.5E6	1254.6E6	48.648	51.808
6)	B beta-BHC	4.516	4.023	102.6E6	542.8E6	46.470	50.515
7)	B delta-BHC	4.764	4.260	262.5E6	1283.5E6	51.135	51.600
8)	B Heptachlo...	5.690	4.870	230.7E6	1152.1E6	47.831	52.612
9)	A Endosulfan I	6.073	5.244	218.3E6	1093.0E6	48.438	52.439
10)	B gamma-Chl...	5.945	5.123	231.5E6	1234.8E6	48.340	51.615
11)	B alpha-Chl...	6.026	5.188	233.7E6	1173.7E6	48.298	51.260
12)	B 4,4'-DDE	6.195	5.372	211.5E6	1177.0E6	48.503	51.361
13)	MA Dieldrin	6.346	5.510	233.7E6	1191.3E6	48.718	51.332
14)	MA Endrin	6.574	5.787	179.3E6	996.7E6	43.450	45.903
15)	B Endosulfa...	6.786	6.077	193.6E6	1026.9E6	47.951	50.843
16)	A 4,4'-DDD	6.705	5.927	170.4E6	1010.2E6	49.654	52.811
17)	MA 4,4'-DDT	7.020	6.181	163.6E6	945.4E6	43.177	46.619
18)	B Endrin al...	6.914	6.256	144.2E6	768.1E6	47.076	50.164
19)	B Endosulfa...	7.149	6.480	177.2E6	984.2E6	46.190	50.161
20)	A Methoxychlor	7.492	6.752	80087416	458.1E6	39.635	42.544
21)	B Endrin ke...	7.630	6.989	189.8E6	1064.4E6	46.590	49.276
22)	Mirex	8.113	7.183	119.5E6	692.7E6	39.306	41.534
23)	Chlordane-1	0.000	3.905	0	428885	N.D.	0.460 #
24)	Chlordane-2	5.270f	4.503	258.5E6	9709064	1183.909	10.203 #
25)	Chlordane-3	5.945	5.123	231.5E6	1234.8E6	268.361	415.720 #
26)	Chlordane-4	6.026	5.188	233.7E6	1173.7E6	222.413	468.216 #
27)	Chlordane-5	0.000	6.077	0	1026.9E6	N.D.	907.388 #

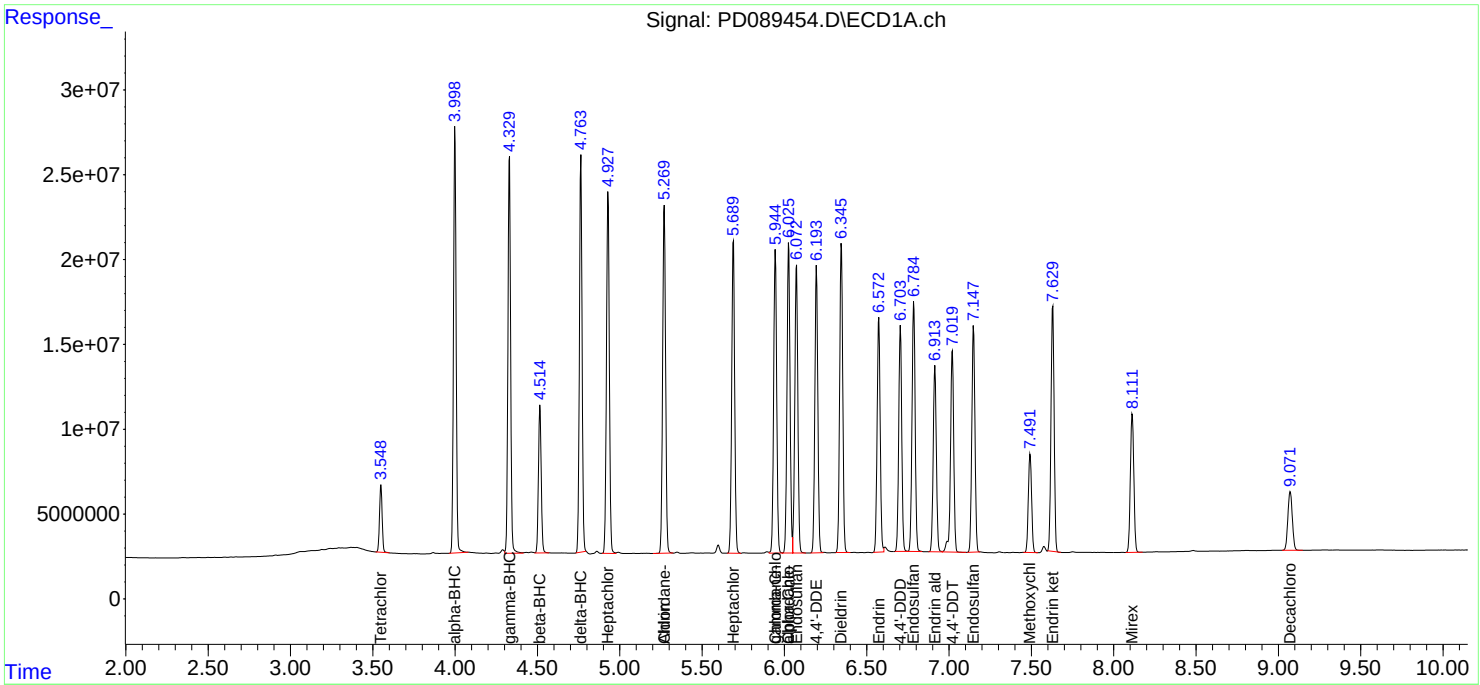
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

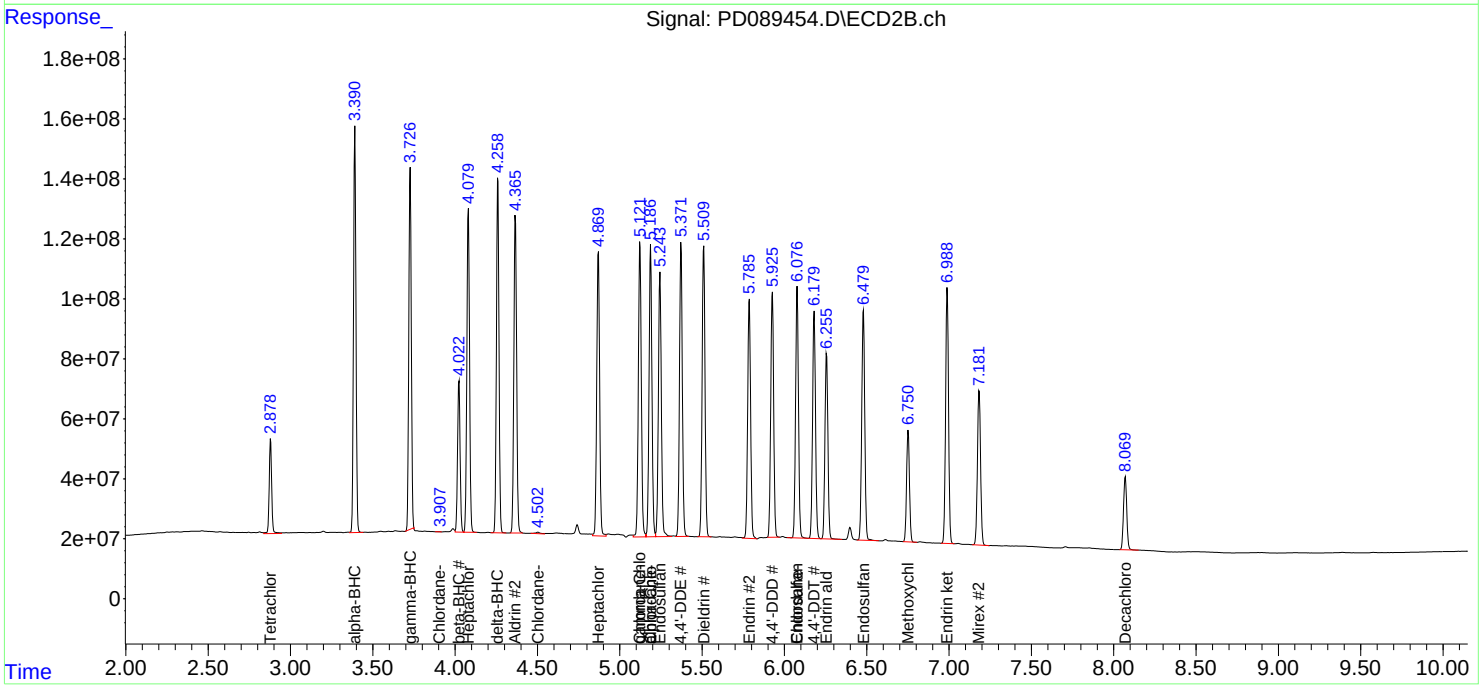
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:15
Operator : AR\AJ
Sample : PB168810BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

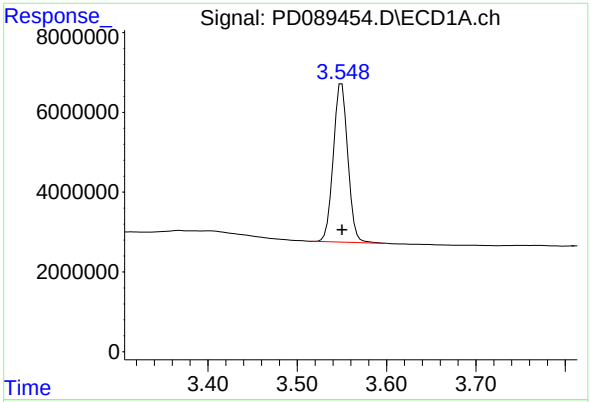
Instrument :
ECD_D
ClientSampleId :
PB168810BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



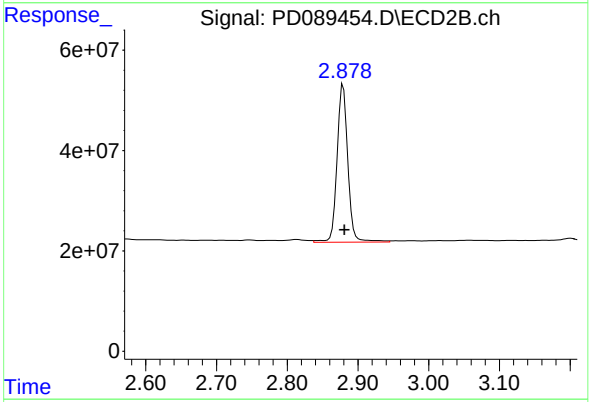




#1 Tetrachloro-m-xylene

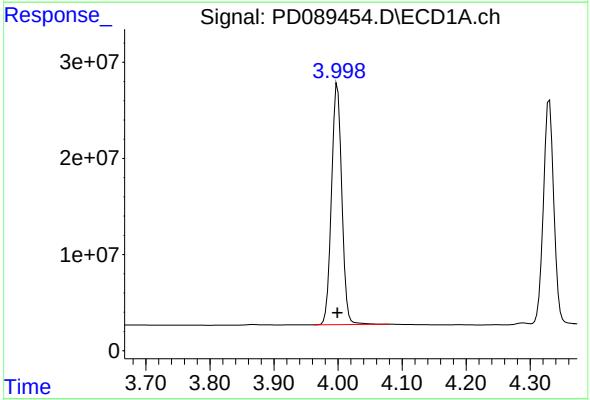
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 44833691
Conc: 15.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



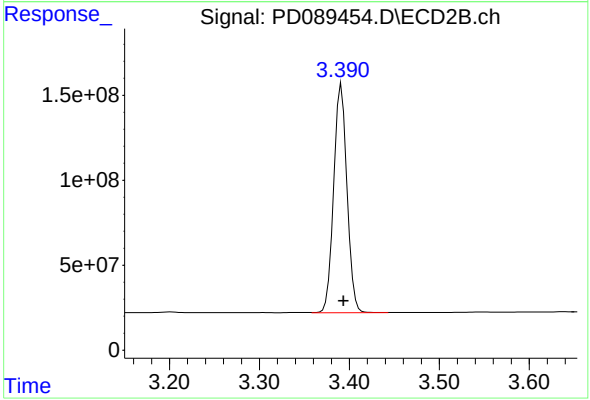
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 333099176
Conc: 19.65 ng/ml



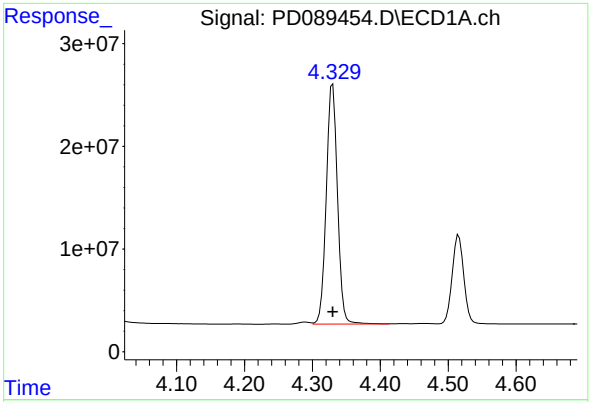
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 280427987
Conc: 48.11 ng/ml



#2 alpha-BHC

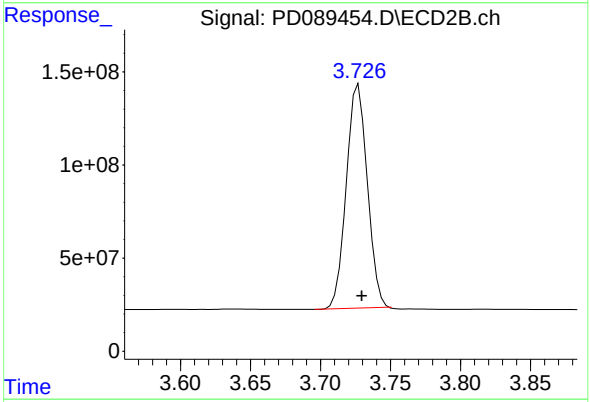
R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 1381865474
Conc: 51.57 ng/ml



#3 gamma-BHC (Lindane)

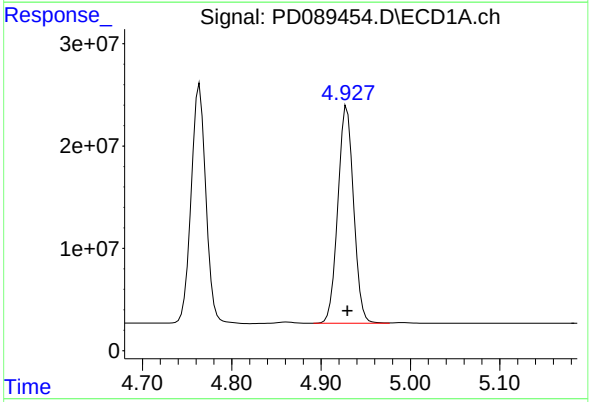
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 268104441
Conc: 48.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



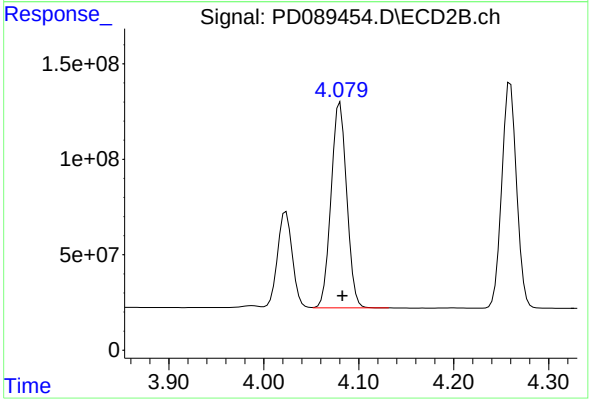
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.002 min
Response: 1256500917
Conc: 50.75 ng/ml



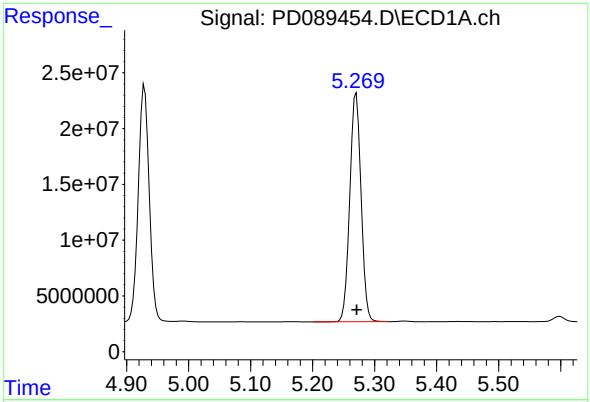
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 259905201
Conc: 47.67 ng/ml



#4 Heptachlor

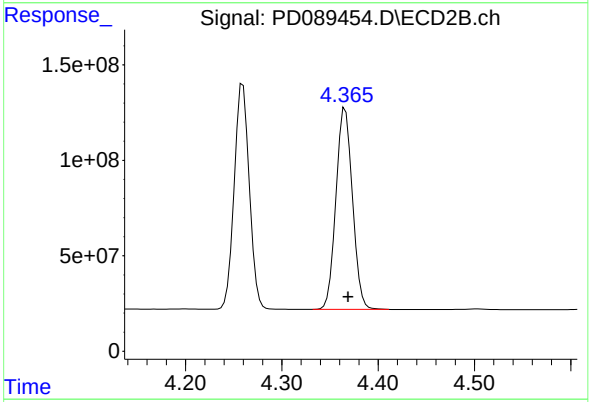
R.T.: 4.080 min
Delta R.T.: -0.002 min
Response: 1233287081
Conc: 49.26 ng/ml



#5 Aldrin

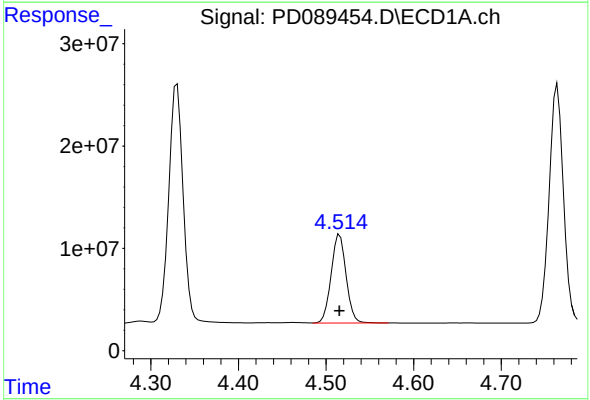
R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 258463504
Conc: 48.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



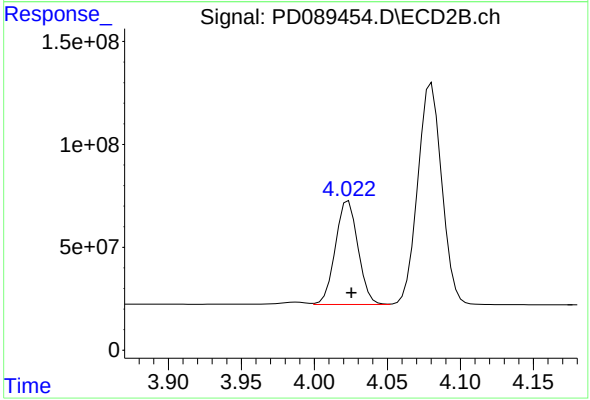
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.003 min
Response: 1254644701
Conc: 51.81 ng/ml



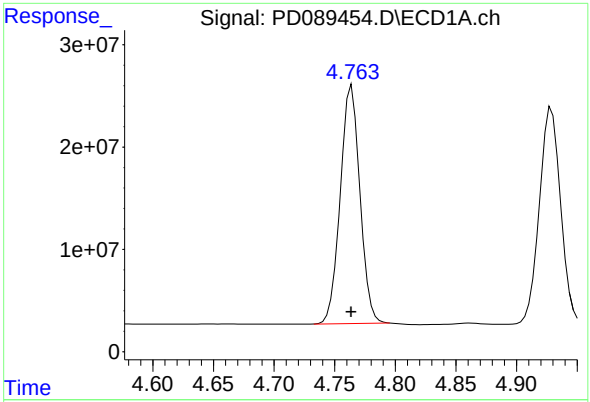
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 102565619
Conc: 46.47 ng/ml



#6 beta-BHC

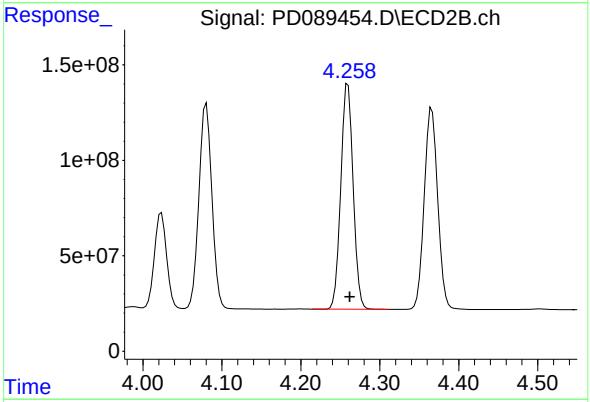
R.T.: 4.023 min
Delta R.T.: -0.002 min
Response: 542848932
Conc: 50.52 ng/ml



#7 delta-BHC

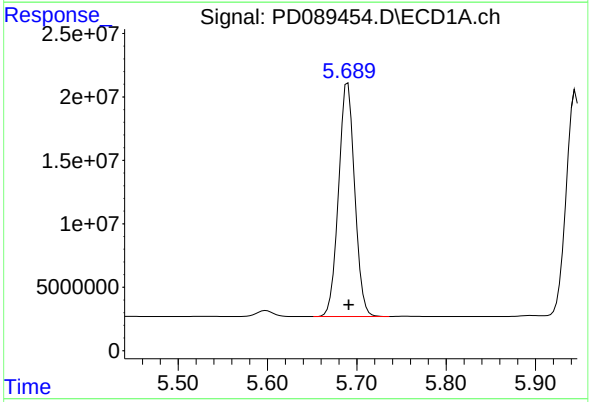
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 262472880
Conc: 51.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



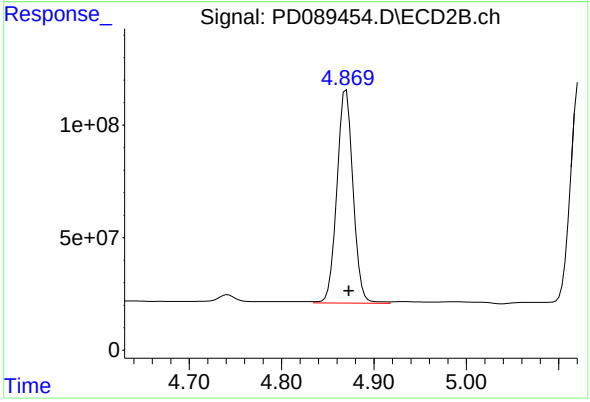
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.002 min
Response: 1283470551
Conc: 51.60 ng/ml



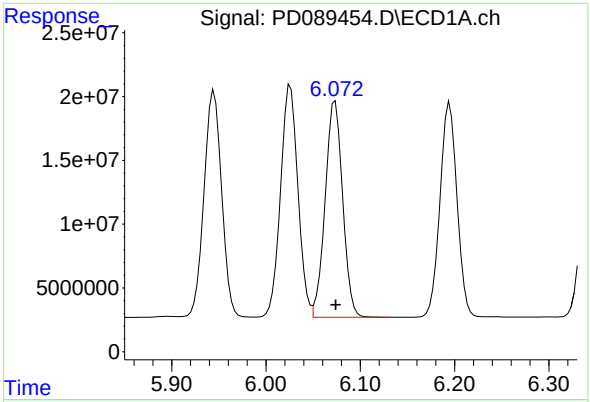
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 230733200
Conc: 47.83 ng/ml



#8 Heptachlor epoxide

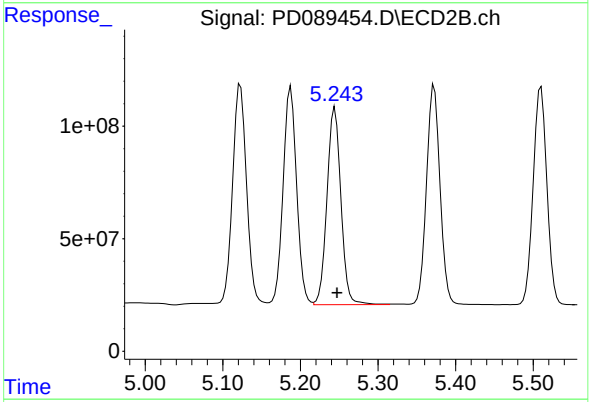
R.T.: 4.870 min
Delta R.T.: -0.003 min
Response: 1152093054
Conc: 52.61 ng/ml



#9 Endosulfan I

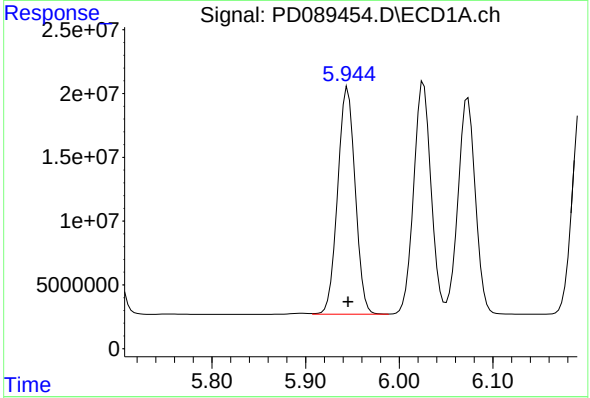
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 218332483
Conc: 48.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



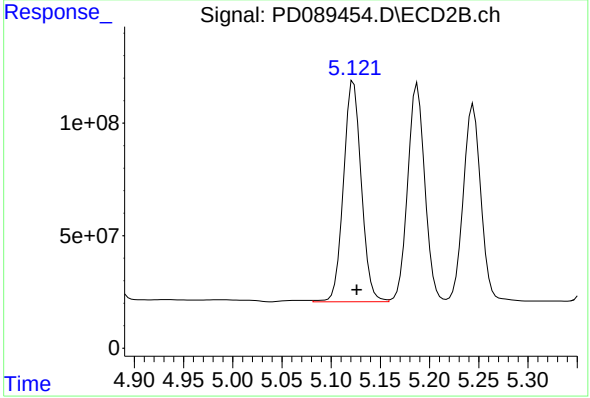
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: -0.003 min
Response: 1092966471
Conc: 52.44 ng/ml



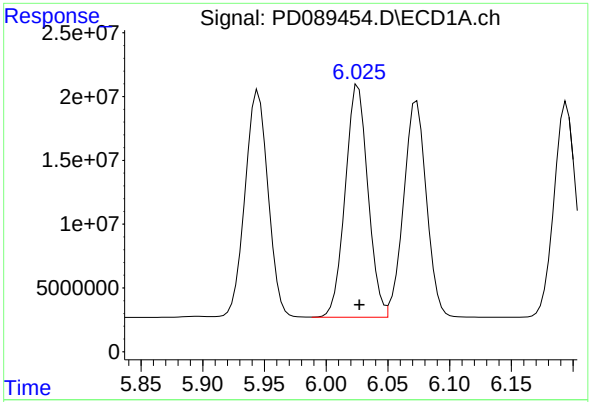
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 231456891
Conc: 48.34 ng/ml



#10 gamma-Chlordane

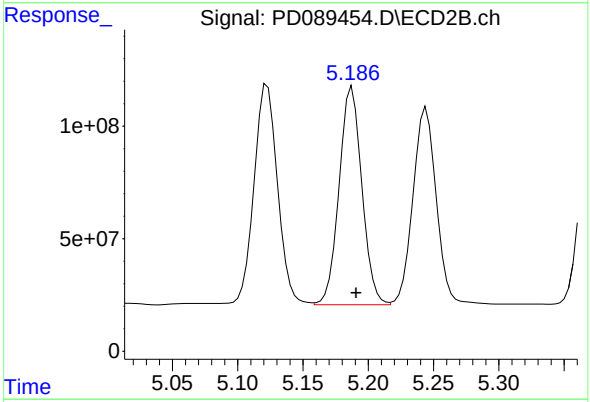
R.T.: 5.123 min
Delta R.T.: -0.003 min
Response: 1234770155
Conc: 51.61 ng/ml



#11 alpha-Chlordane

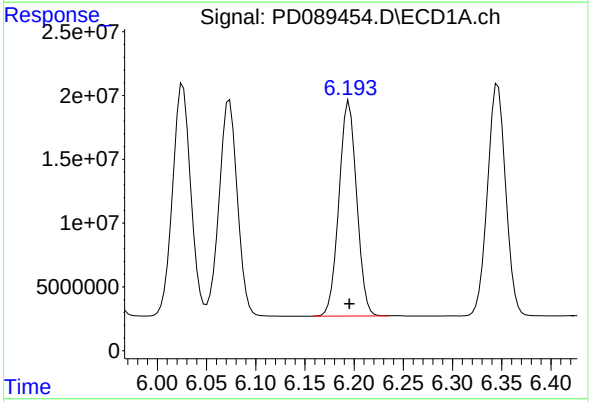
R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 233690730
Conc: 48.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



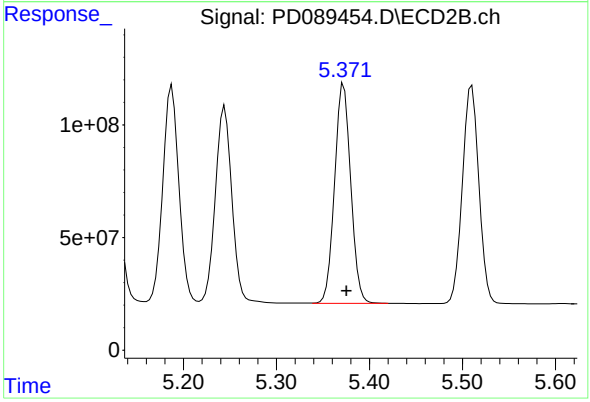
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1173685466
Conc: 51.26 ng/ml



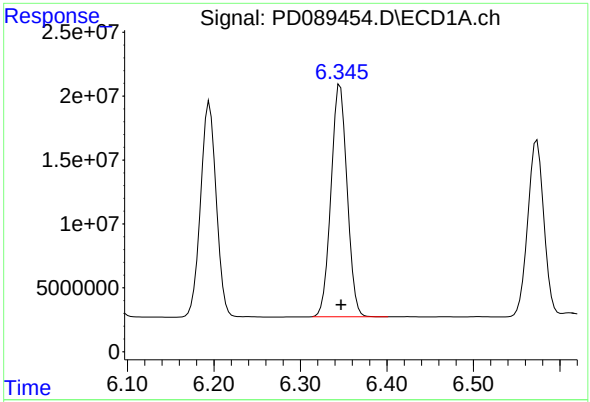
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 211524952
Conc: 48.50 ng/ml



#12 4,4'-DDE

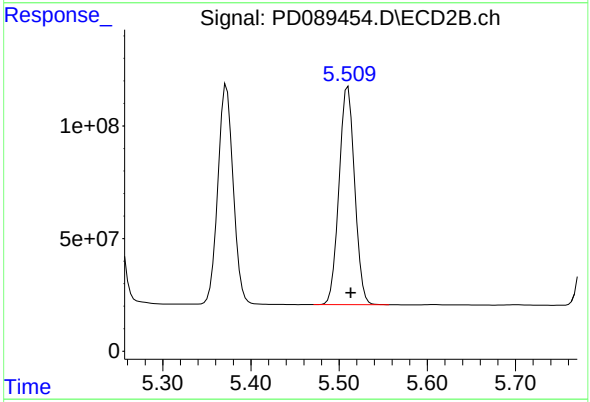
R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 1177000446
Conc: 51.36 ng/ml



#13 Dieldrin

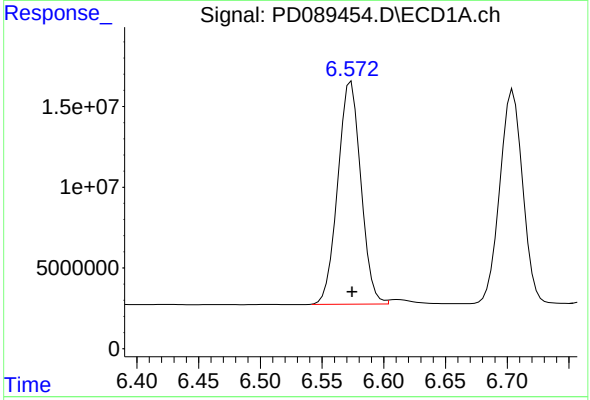
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 233721384
Conc: 48.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



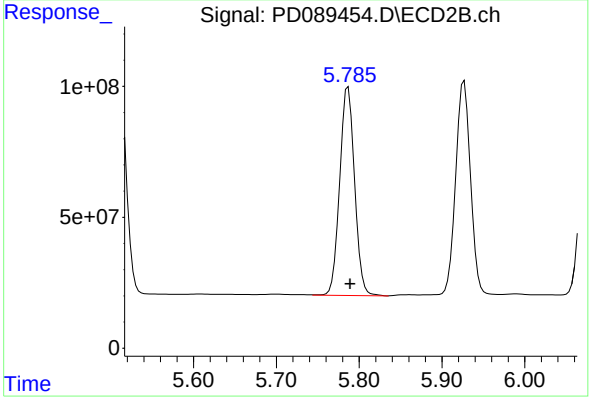
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 1191327989
Conc: 51.33 ng/ml



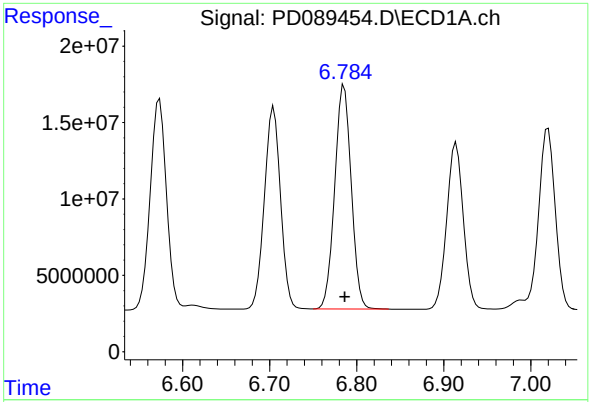
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 179258295
Conc: 43.45 ng/ml



#14 Endrin

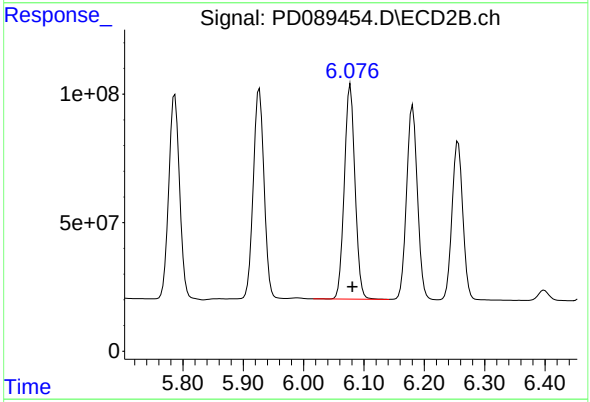
R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 996742245
Conc: 45.90 ng/ml



#15 Endosulfan II

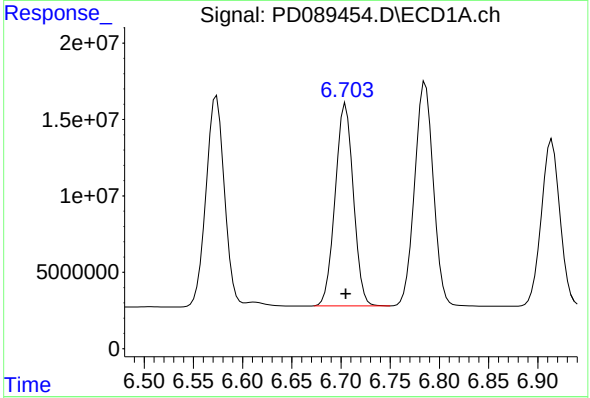
R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 193558747
Conc: 47.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



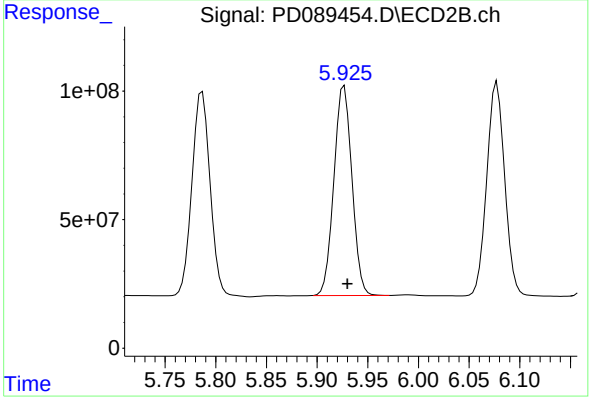
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: -0.003 min
Response: 1026855151
Conc: 50.84 ng/ml



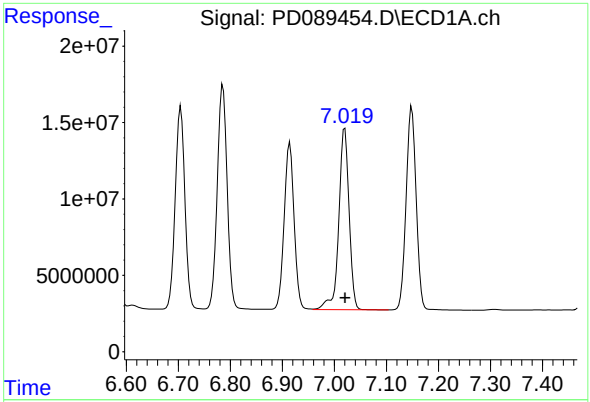
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 170413719
Conc: 49.65 ng/ml



#16 4,4'-DDD

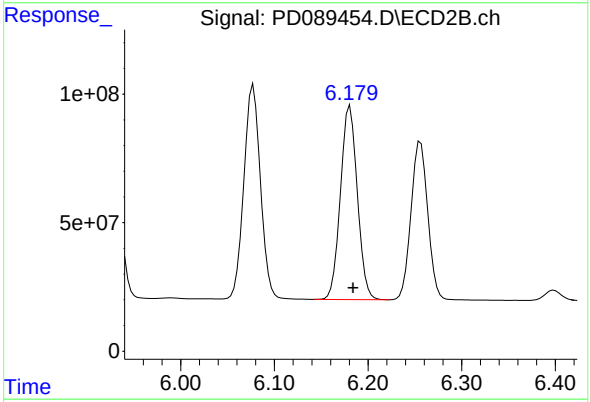
R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 1010247197
Conc: 52.81 ng/ml



#17 4,4'-DDT

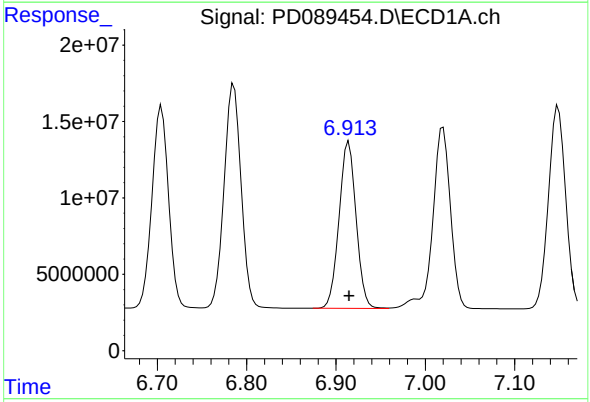
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 163561647
Conc: 43.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



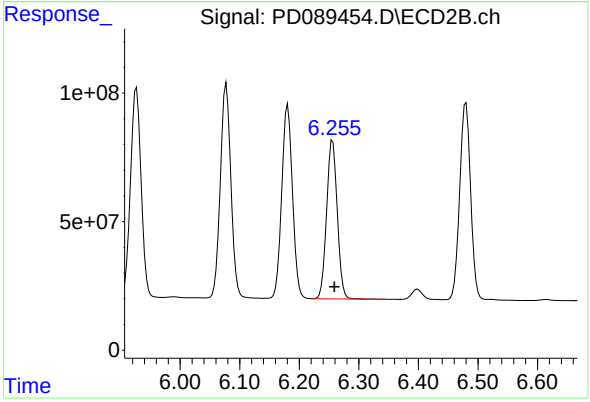
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 945408128
Conc: 46.62 ng/ml



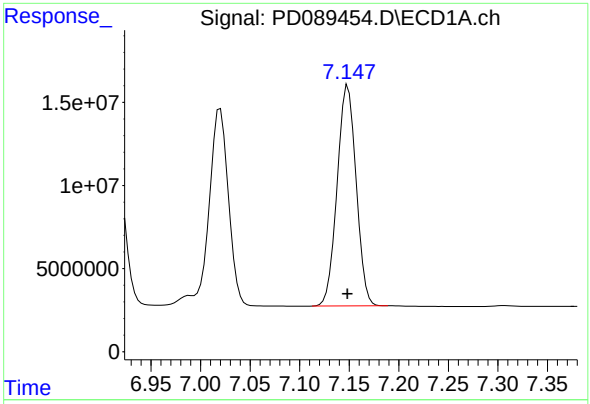
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 144237370
Conc: 47.08 ng/ml



#18 Endrin aldehyde

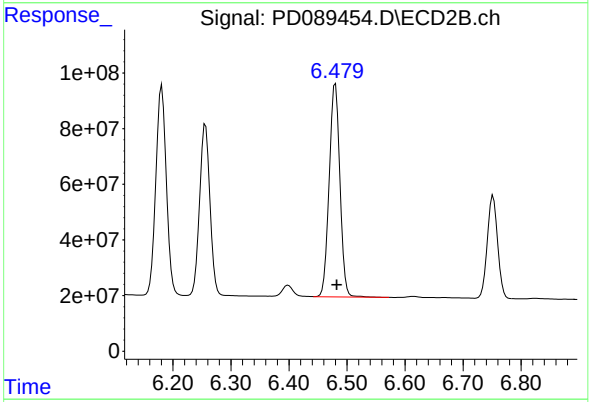
R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 768074266
Conc: 50.16 ng/ml



#19 Endosulfan Sulfate

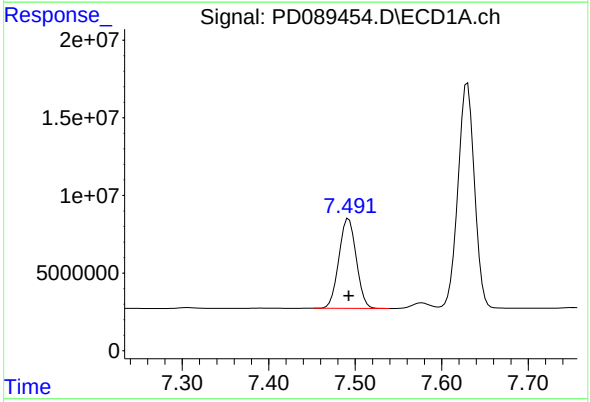
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 177240144
Conc: 46.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



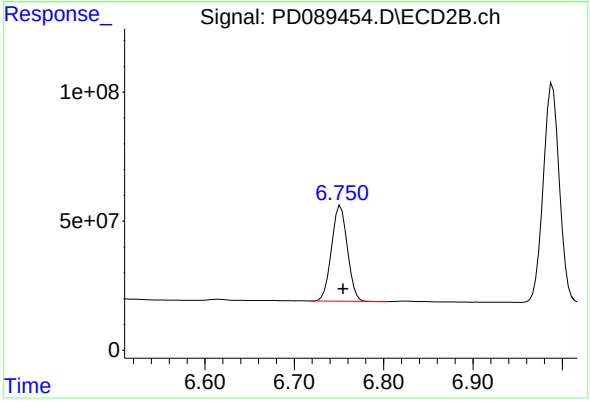
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.003 min
Response: 984208735
Conc: 50.16 ng/ml



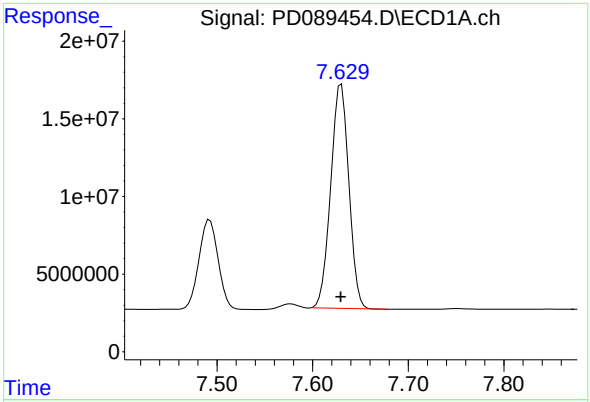
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 80087416
Conc: 39.63 ng/ml



#20 Methoxychlor

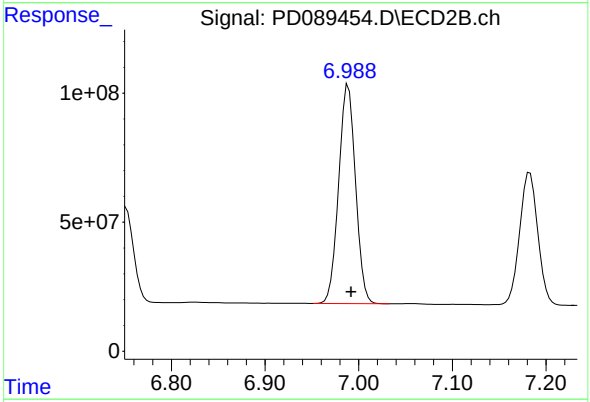
R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 458112948
Conc: 42.54 ng/ml



#21 Endrin ketone

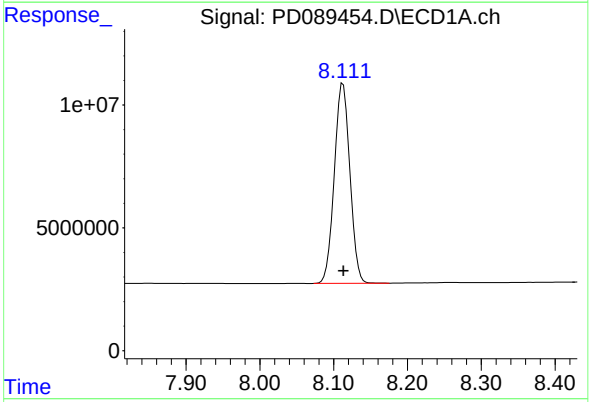
R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 189764940
Conc: 46.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



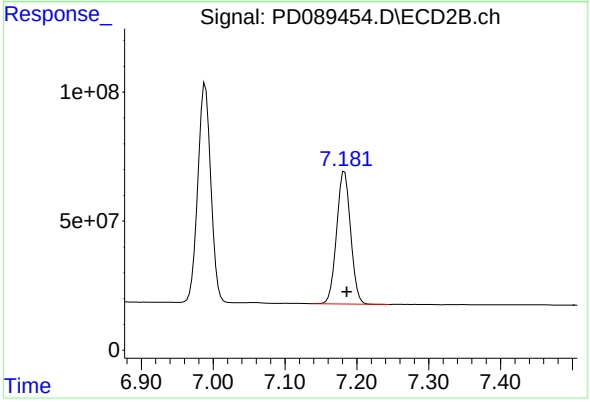
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1064448980
Conc: 49.28 ng/ml



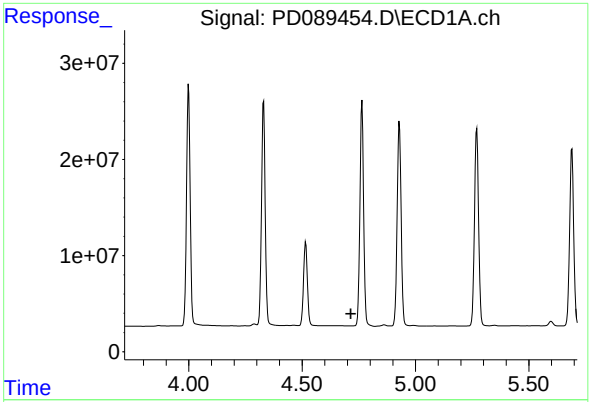
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 119495380
Conc: 39.31 ng/ml



#22 Mirex

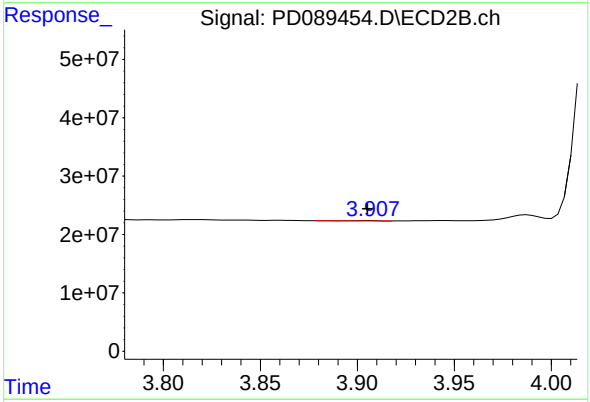
R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 692715290
Conc: 41.53 ng/ml



#23 Chlordane-1

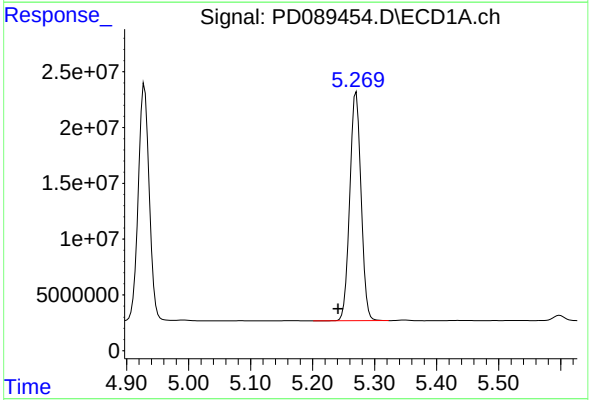
R.T.: 0.000 min
Exp R.T. : 4.715 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PB168810BS



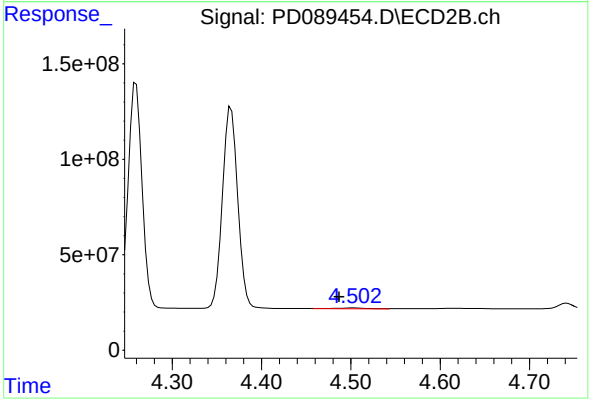
#23 Chlordane-1

R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 428885
Conc: 0.46 ng/ml



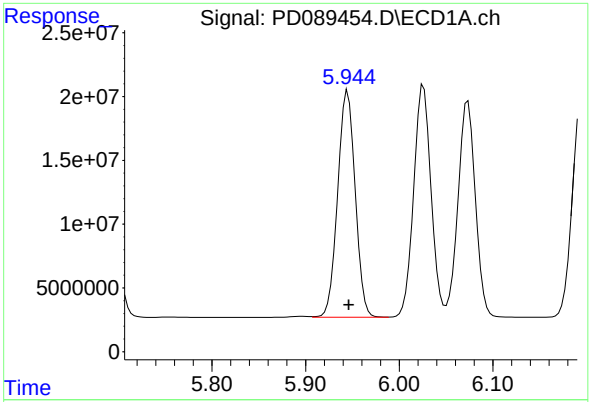
#24 Chlordane-2

R.T.: 5.270 min
Delta R.T.: 0.029 min
Response: 258463504
Conc: 1183.91 ng/ml



#24 Chlordane-2

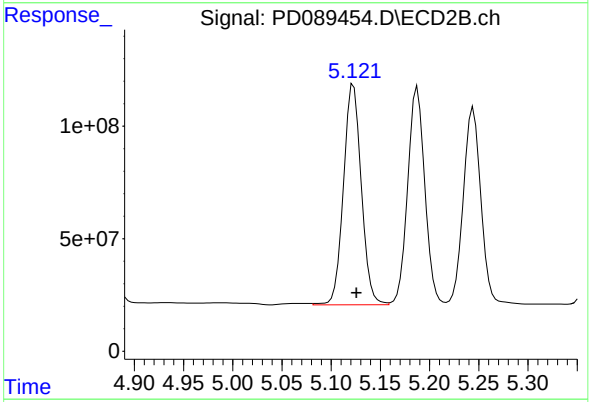
R.T.: 4.503 min
Delta R.T.: 0.016 min
Response: 9709064
Conc: 10.20 ng/ml



#25 Chlordane-3

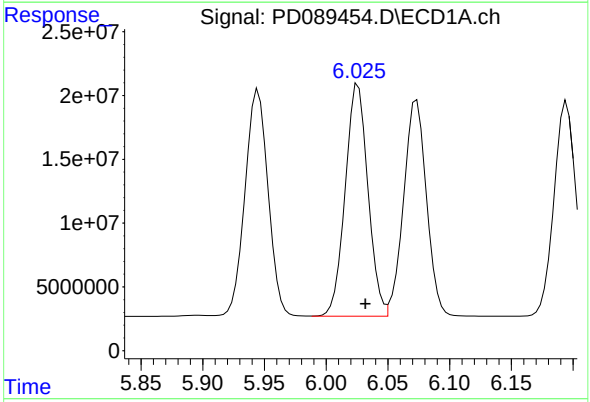
R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 231456891
Conc: 268.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS



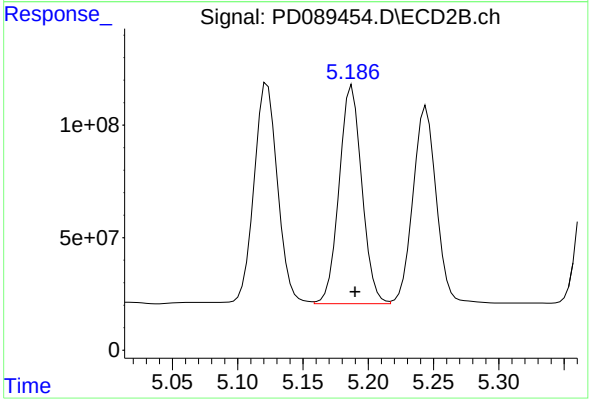
#25 Chlordane-3

R.T.: 5.123 min
Delta R.T.: -0.003 min
Response: 1234770155
Conc: 415.72 ng/ml



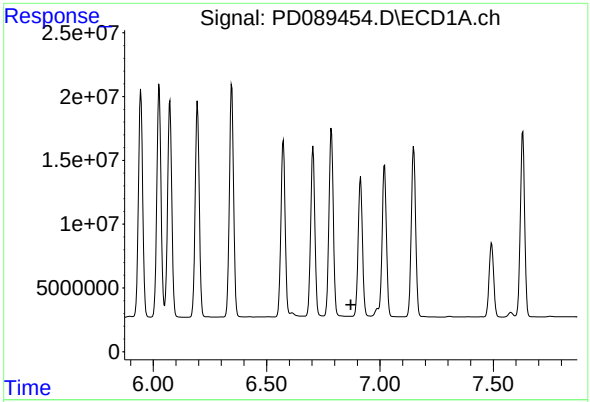
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 233690730
Conc: 222.41 ng/ml



#26 Chlordane-4

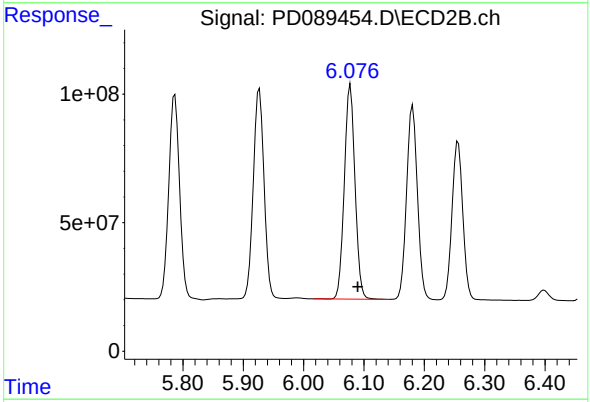
R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1173685466
Conc: 468.22 ng/ml



#27 Chlordane-5

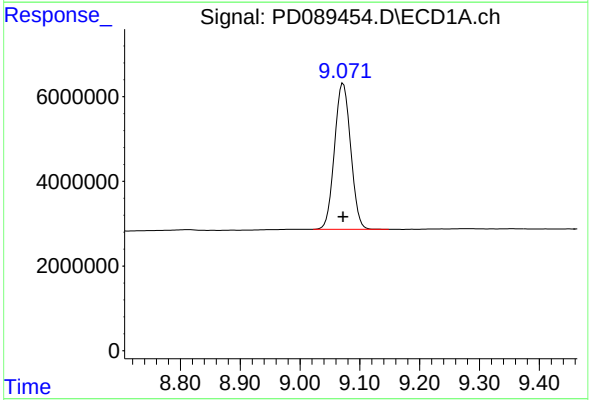
R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PB168810BS



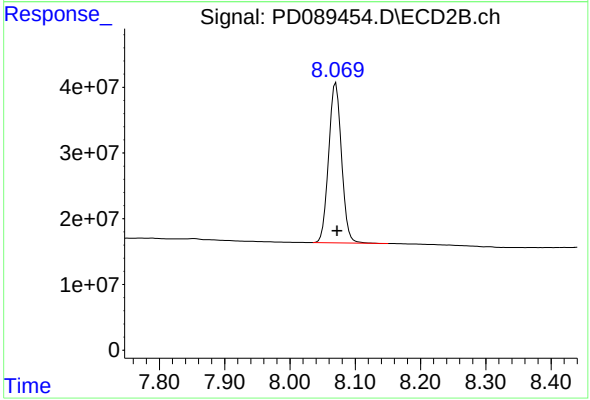
#27 Chlordane-5

R.T.: 6.077 min
Delta R.T.: -0.012 min
Response: 1026855151
Conc: 907.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 64927993
Conc: 16.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 333188072
Conc: 16.85 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:56
Operator : AR\AJ
Sample : Q2560-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	33659321	737.0E6	11.797	43.474	#
28)	SA Decachlor...	9.071	8.069	45006386	323.3E6	11.459	16.354	#
	Target Compounds							
2)	A alpha-BHC	3.999	3.392	242.2E6	1293.7E6	41.557	48.276	
3)	MA gamma-BHC...	4.330	3.728	284.5E6	1033.6E6	50.971	41.750	
4)	MA Heptachlor	4.929	4.081	239.7E6	1129.0E6	43.961	45.092	
5)	MB Aldrin	5.270	4.367	246.5E6	1065.7E6	46.401	44.004	
6)	B beta-BHC	4.516	4.025	65977385	742.5E6	29.893	69.090	#
7)	B delta-BHC	4.764	4.261	226.8E6	1106.7E6	44.185	44.493	
8)	B Heptachlo...	5.690	4.871	223.7E6	1166.2E6	46.363	53.257	
9)	A Endosulfan I	6.073	5.247	203.1E6	1126.9E6	45.062	54.066	
10)	B gamma-Chl...	5.945	5.124	246.5E6	1573.2E6	51.487	65.762	#
11)	B alpha-Chl...	6.027	5.188	294.4E6	1406.6E6	60.852	61.430	
12)	B 4,4'-DDE	6.195	5.373	155.1E6	1074.6E6	35.570	46.892	#
13)	MA Dieldrin	6.346	5.511	207.4E6	1199.1E6	43.240	51.665	
14)	MA Endrin	6.573	5.788	168.9E6	968.0E6	40.931	44.578	
15)	B Endosulfa...	6.785	6.079	164.9E6	968.1E6	40.841	47.933	
16)	A 4,4'-DDD	6.703	5.928	144.1E6	705.8E6	42.001	36.899	
17)	MA 4,4'-DDT	7.020	6.181	163.1E6	891.4E6	43.053	43.957	
18)	B Endrin al...	6.914	6.257	125.0E6	691.8E6	40.787	45.179	
19)	B Endosulfa...	7.148	6.481	151.8E6	821.0E6	39.550	41.842	
20)	A Methoxychlor	7.492	6.752	65805389	426.5E6	32.567	39.610	
21)	B Endrin ke...	7.629	6.989	160.3E6	828.4E6	39.351	38.350	
22)	Mirex	8.113	7.183	105.4E6	613.3E6	34.669	36.772	
23)	Chlordane-1	4.714	3.904	-2684297	292.4E6	N.D.	313.641	
24)	Chlordane-2	5.237	4.491	38119350	263.6E6	174.608	276.997	#
25)	Chlordane-3	5.945	5.124	246.5E6	1573.2E6	285.834	529.664	#
26)	Chlordane-4	6.027	5.188	294.4E6	1406.6E6	280.226	561.116	#
27)	Chlordane-5	6.869	6.079	10939901	968.1E6	59.860	855.449	#

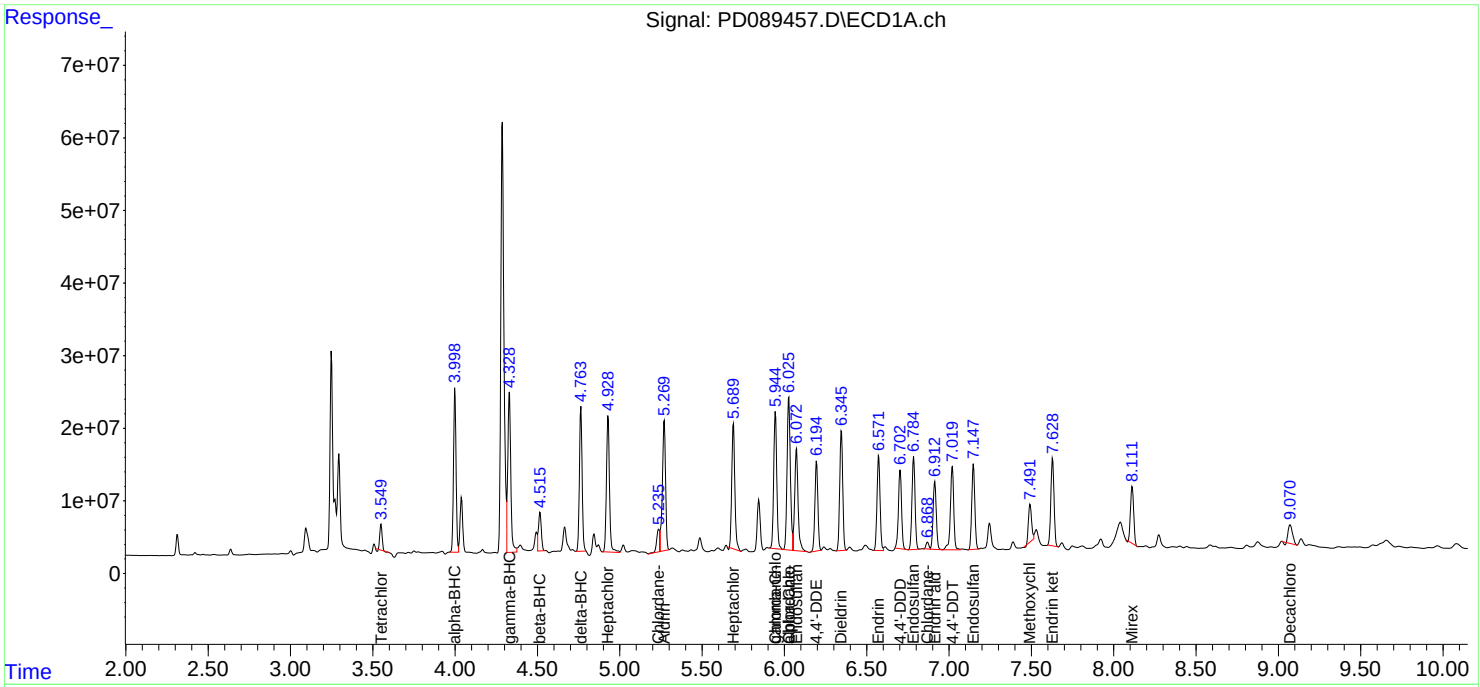
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

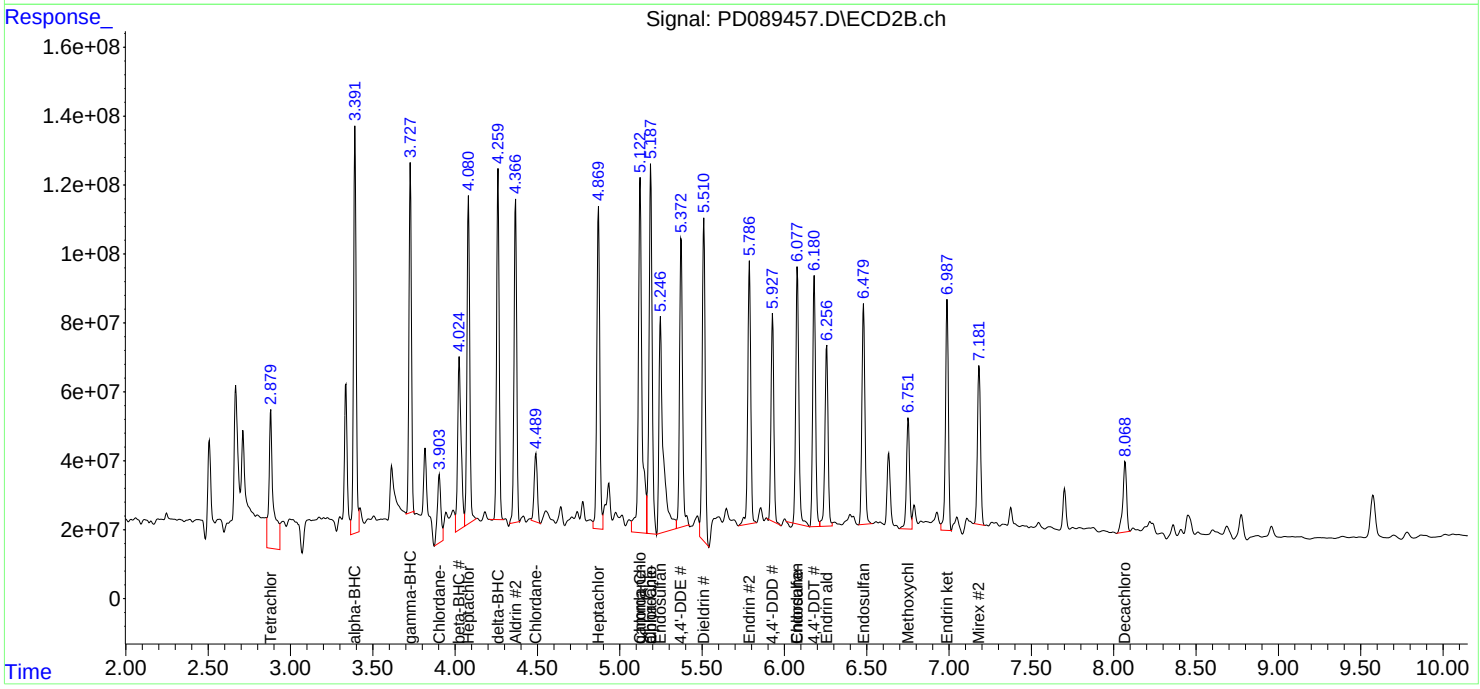
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:56
Operator : AR\AJ
Sample : Q2560-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

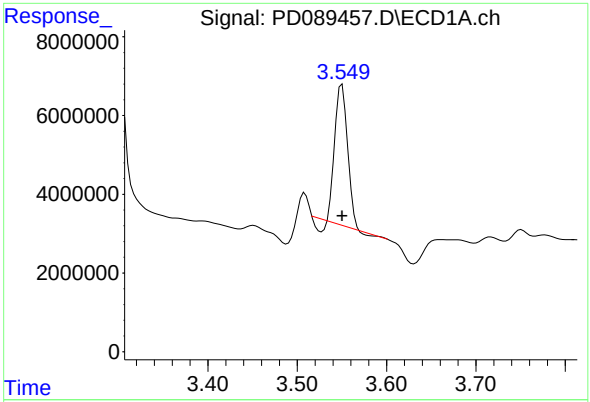
Instrument :
ECD_D
ClientSampleId :
LP-7102025MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



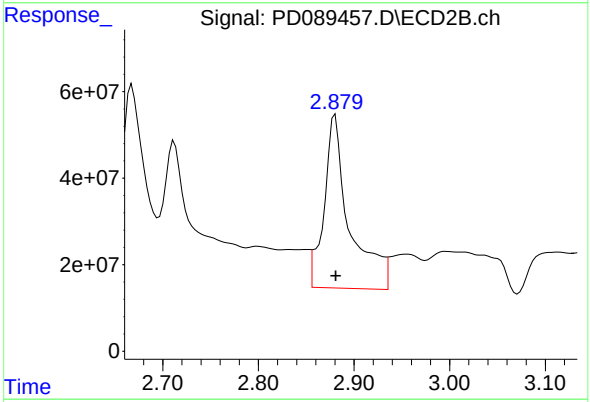




#1 Tetrachloro-m-xylene

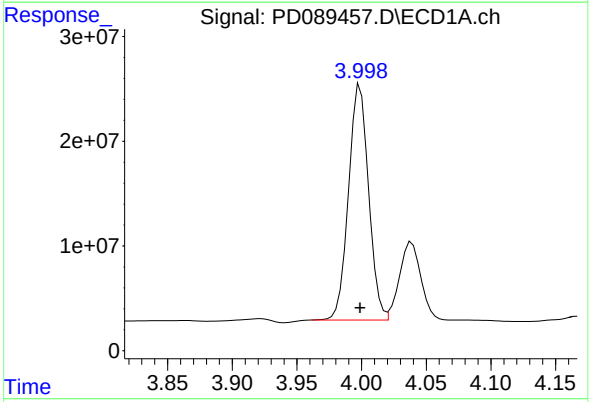
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 33659321
Conc: 11.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



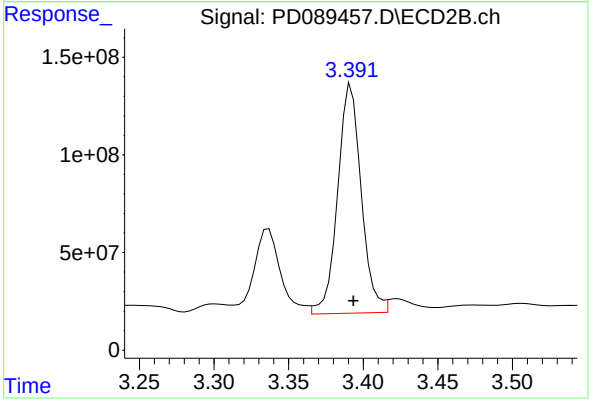
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 737021752
Conc: 43.47 ng/ml



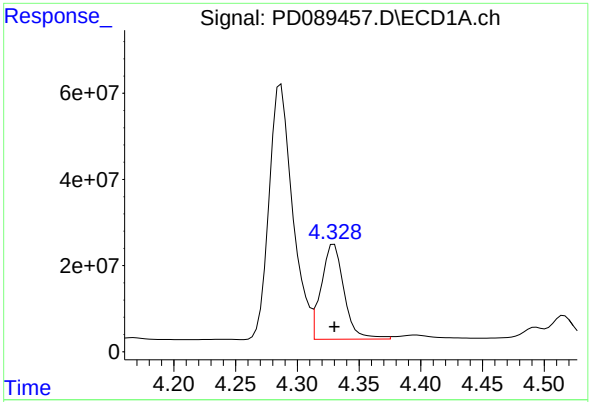
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 242239022
Conc: 41.56 ng/ml



#2 alpha-BHC

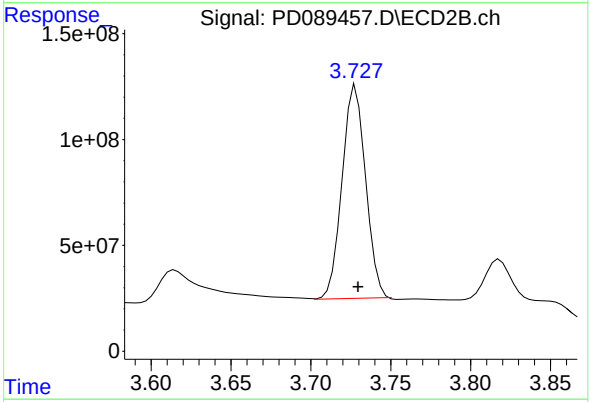
R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1293652651
Conc: 48.28 ng/ml



#3 gamma-BHC (Lindane)

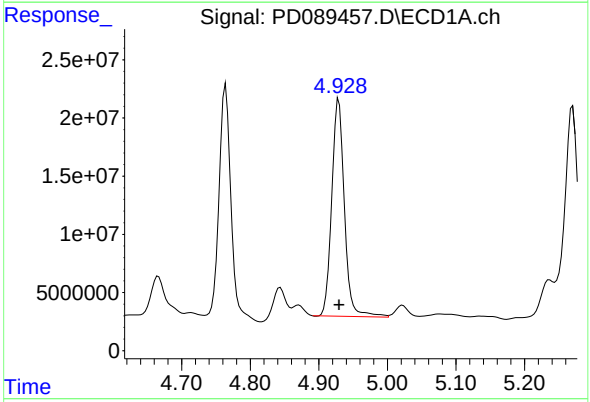
R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 284502066
Conc: 50.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



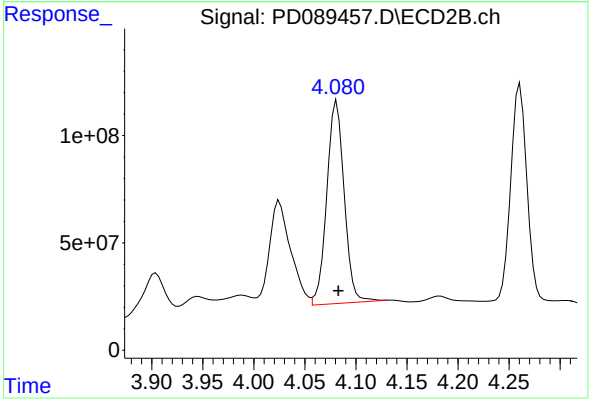
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1033599257
Conc: 41.75 ng/ml



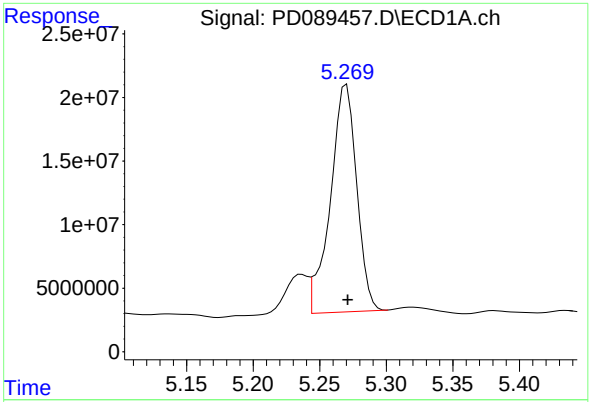
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 239672422
Conc: 43.96 ng/ml



#4 Heptachlor

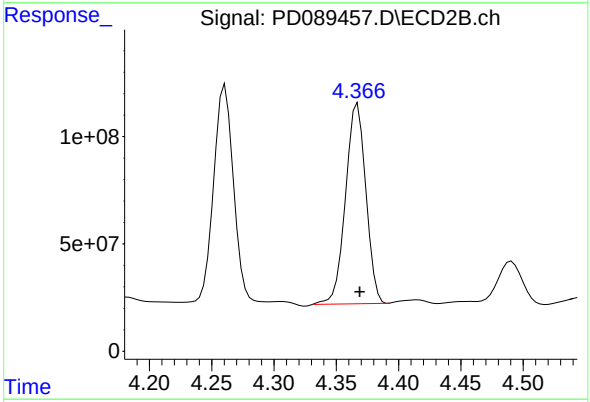
R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1129038446
Conc: 45.09 ng/ml



#5 Aldrin

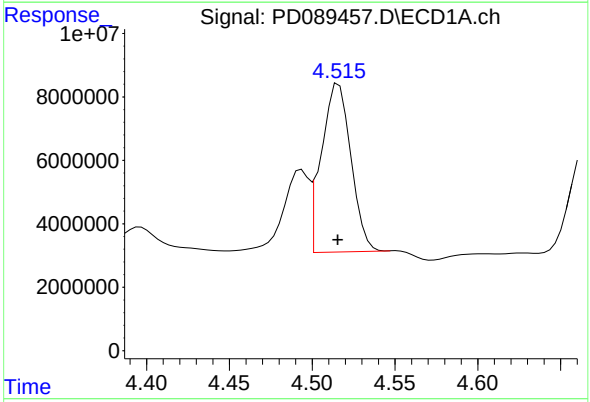
R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 246529176
Conc: 46.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



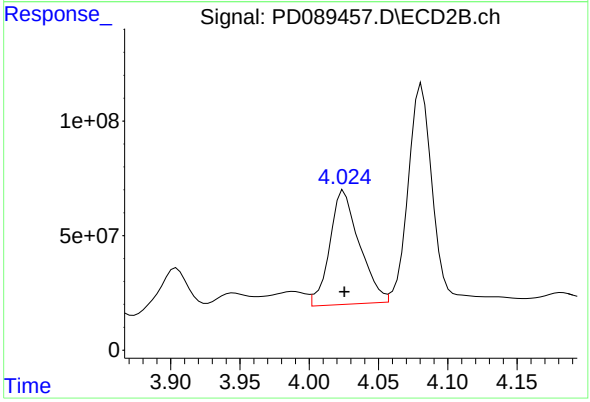
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1065654526
Conc: 44.00 ng/ml



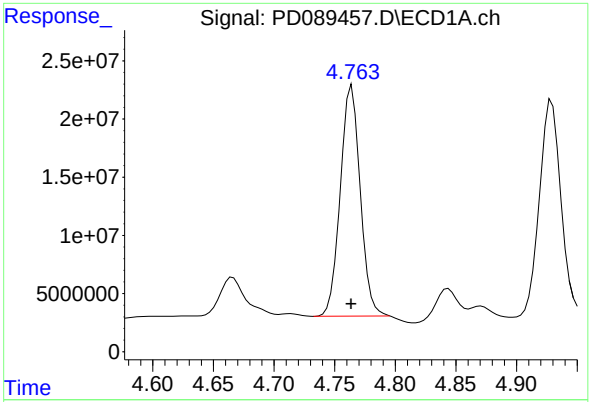
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 65977385
Conc: 29.89 ng/ml



#6 beta-BHC

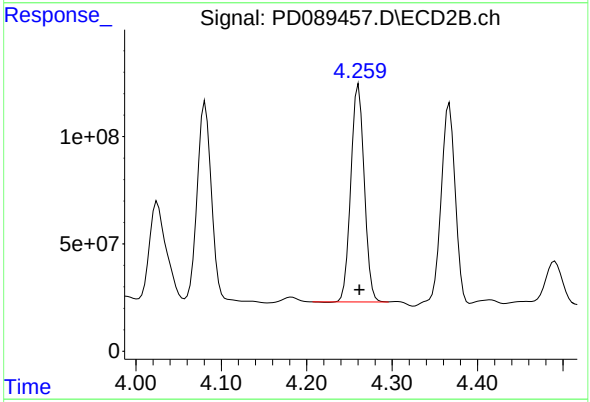
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 742455700
Conc: 69.09 ng/ml



#7 delta-BHC

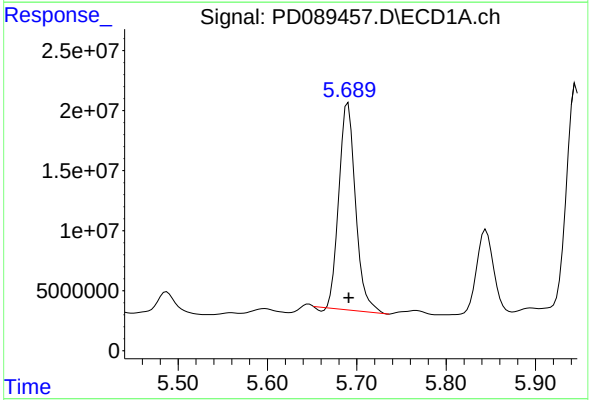
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 226795716
Conc: 44.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



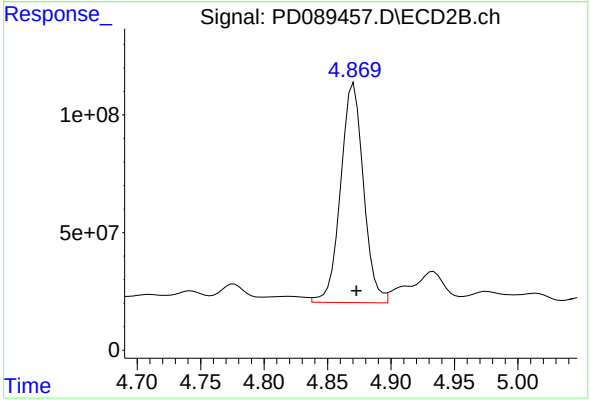
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1106690629
Conc: 44.49 ng/ml



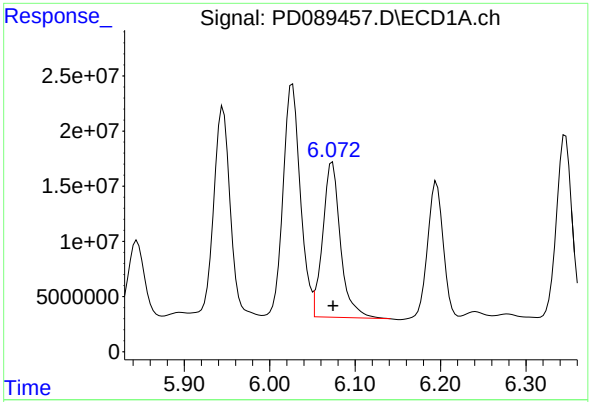
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 223650277
Conc: 46.36 ng/ml



#8 Heptachlor epoxide

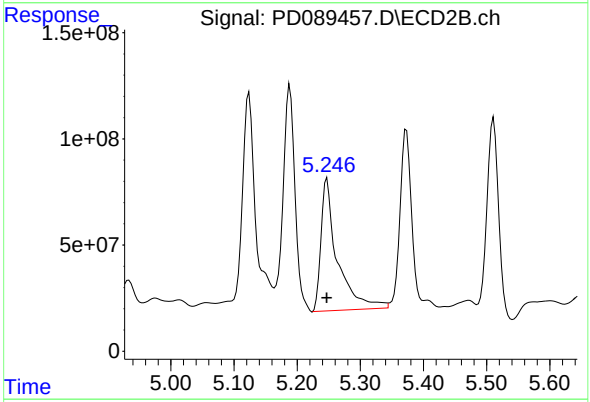
R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1166221282
Conc: 53.26 ng/ml



#9 Endosulfan I

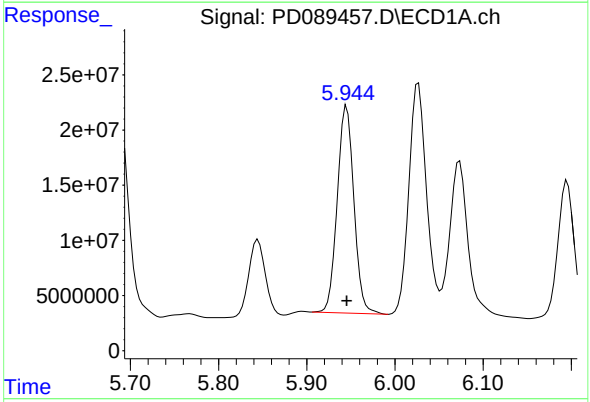
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 203112856
Conc: 45.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



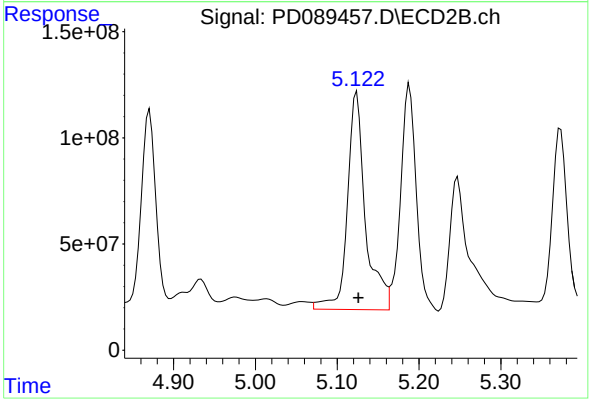
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 1126867940
Conc: 54.07 ng/ml



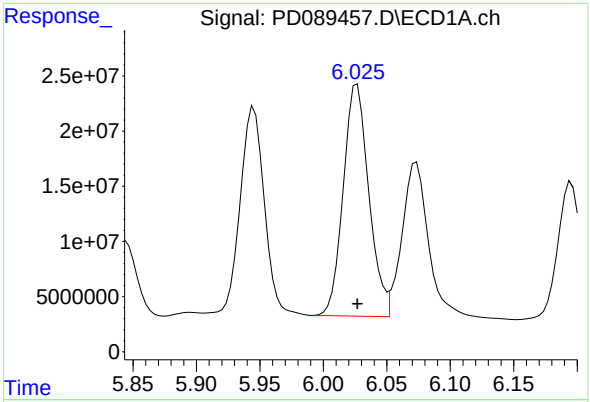
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 246526854
Conc: 51.49 ng/ml



#10 gamma-Chlordane

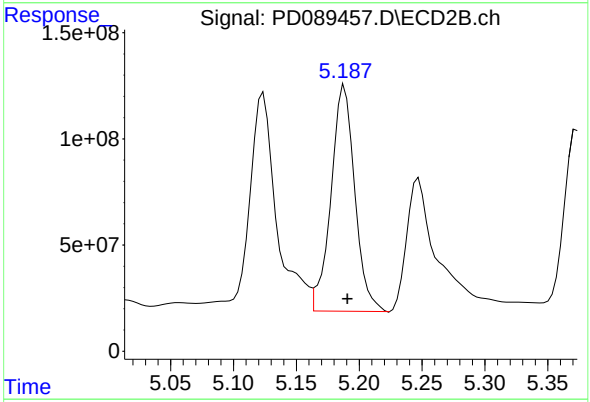
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1573208117
Conc: 65.76 ng/ml



#11 alpha-Chlordane

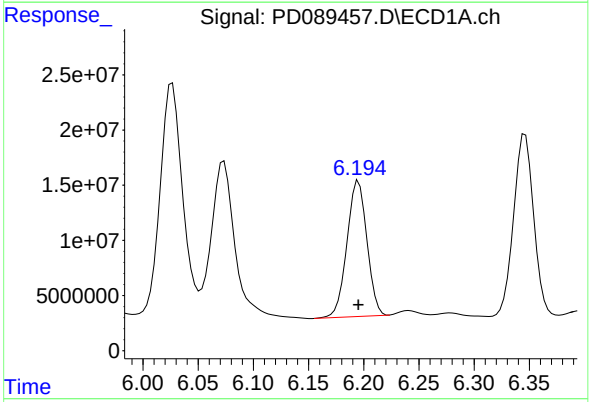
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 294435931
Conc: 60.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



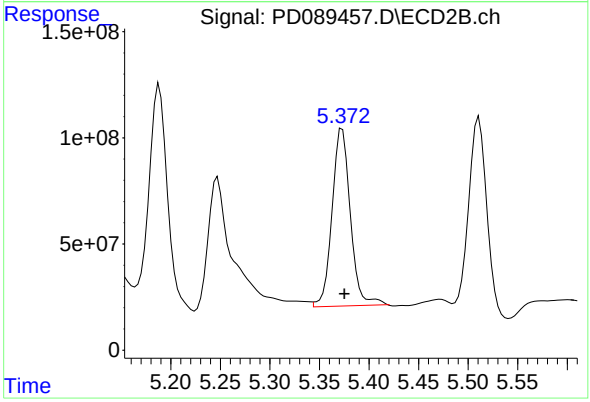
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1406561184
Conc: 61.43 ng/ml



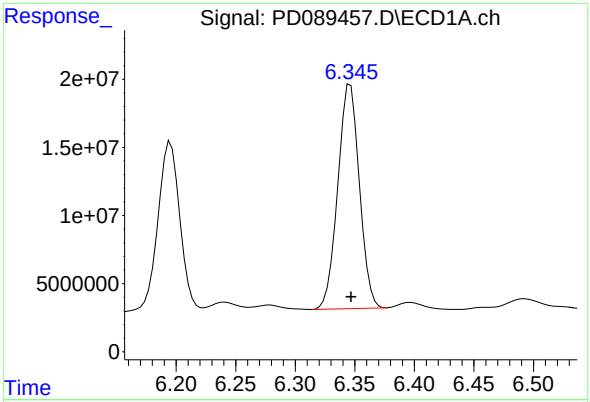
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 155123661
Conc: 35.57 ng/ml



#12 4,4'-DDE

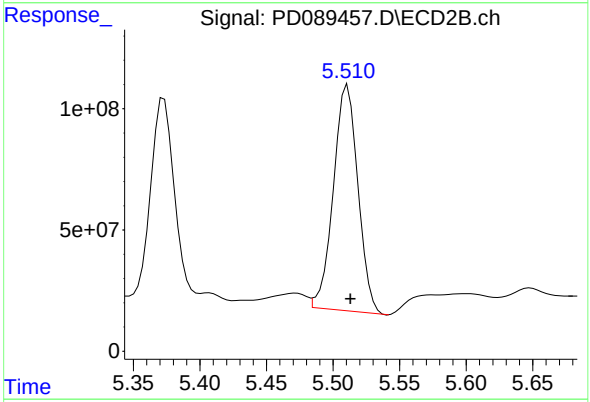
R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1074581898
Conc: 46.89 ng/ml



#13 Dieldrin

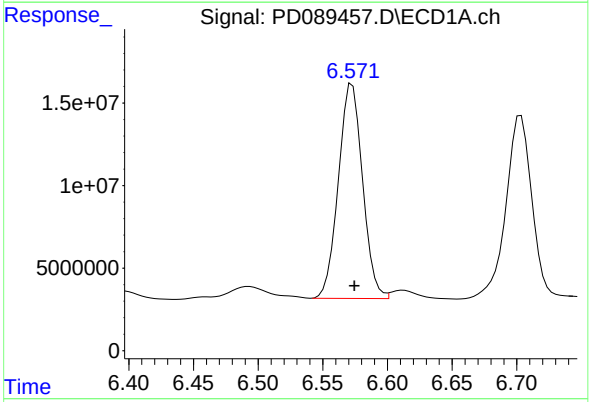
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 207440059
Conc: 43.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



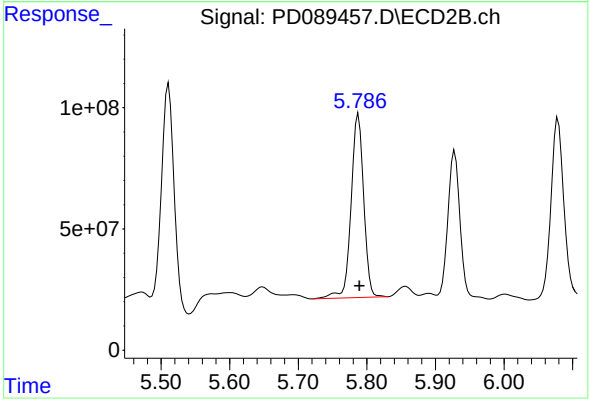
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1199069024
Conc: 51.67 ng/ml



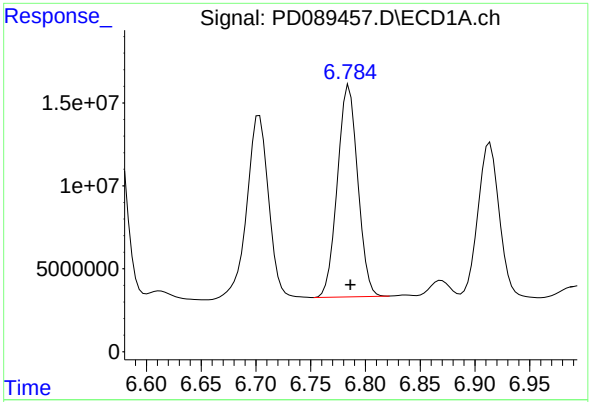
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.002 min
Response: 168863769
Conc: 40.93 ng/ml



#14 Endrin

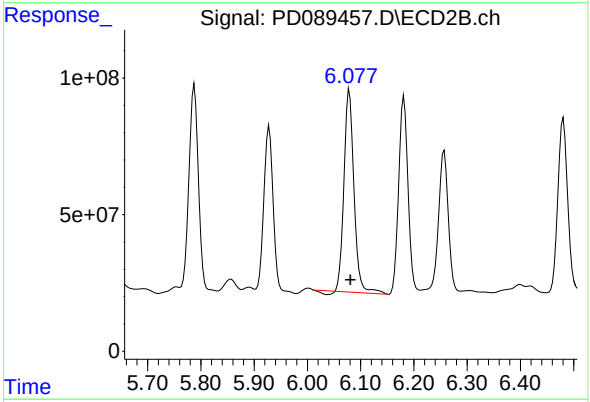
R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 967968370
Conc: 44.58 ng/ml



#15 Endosulfan II

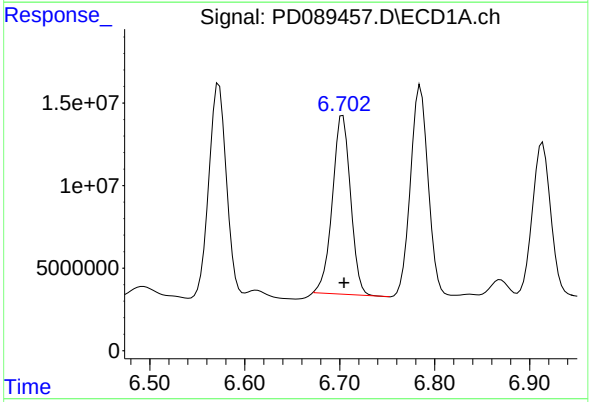
R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 164858487
Conc: 40.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



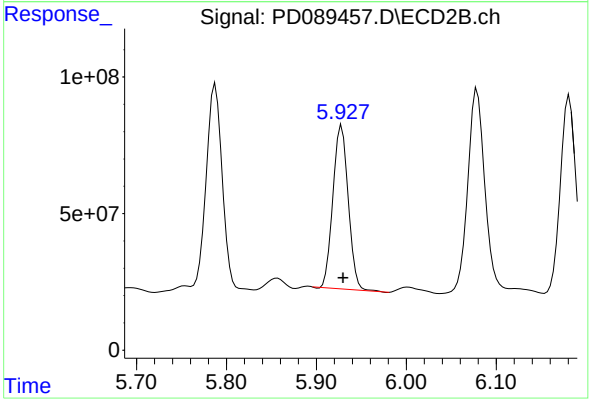
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 968078587
Conc: 47.93 ng/ml



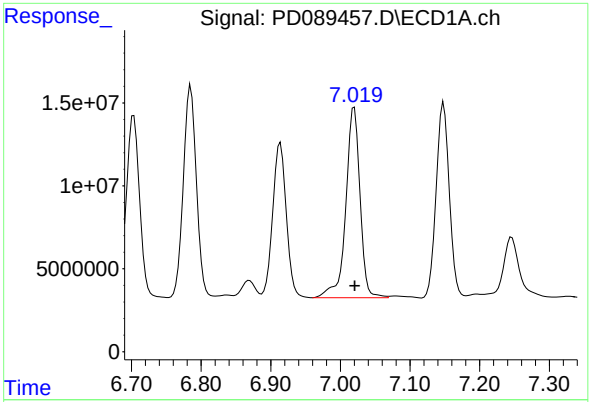
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 144148383
Conc: 42.00 ng/ml



#16 4,4'-DDD

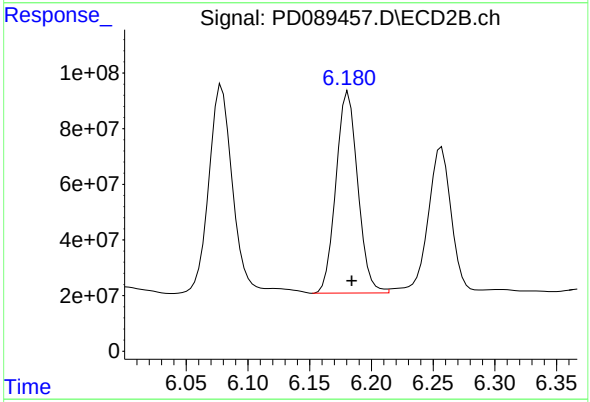
R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 705848177
Conc: 36.90 ng/ml



#17 4,4'-DDT

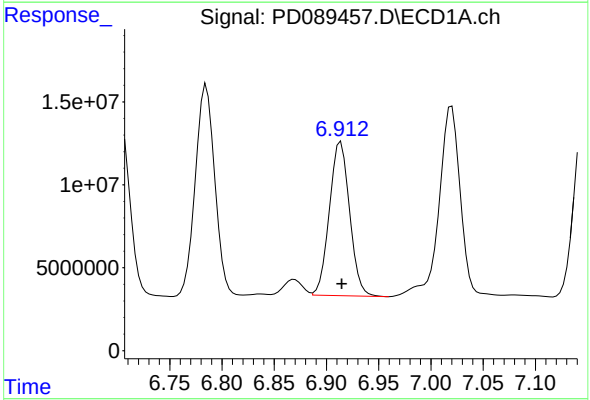
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 163093187
Conc: 43.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



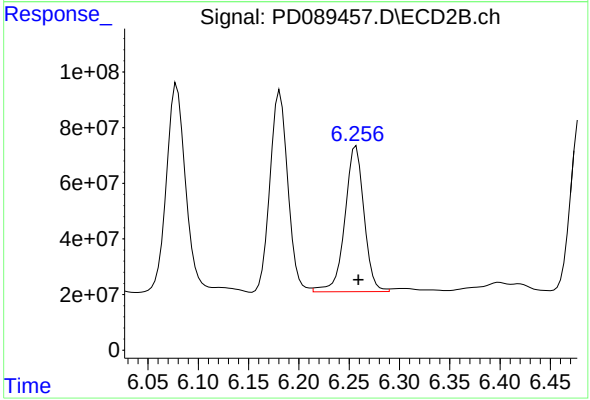
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 891425505
Conc: 43.96 ng/ml



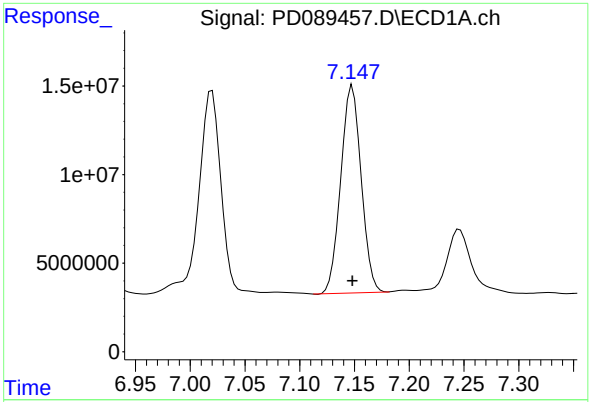
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 124968770
Conc: 40.79 ng/ml



#18 Endrin aldehyde

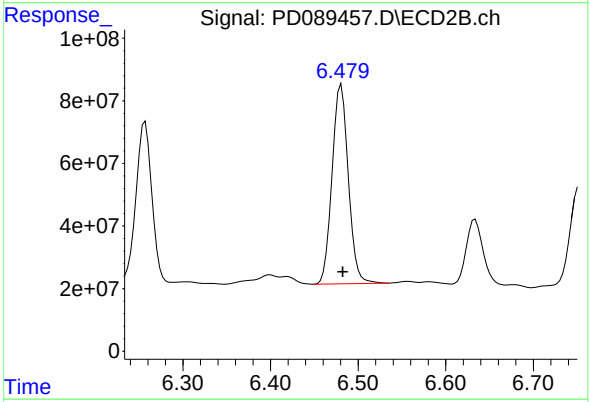
R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 691753633
Conc: 45.18 ng/ml



#19 Endosulfan Sulfate

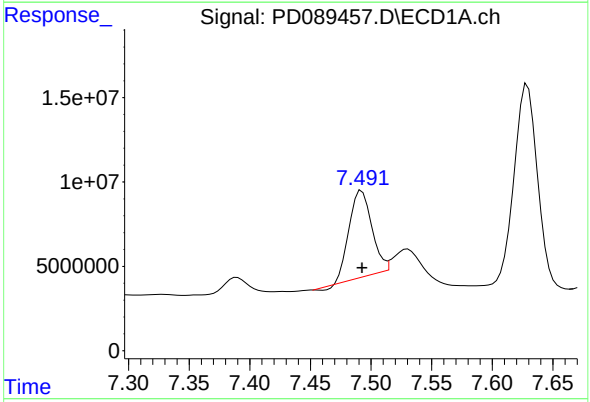
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 151763777
Conc: 39.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



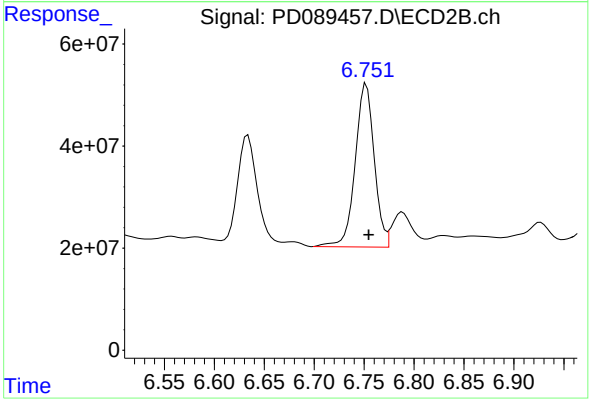
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.002 min
Response: 820993893
Conc: 41.84 ng/ml



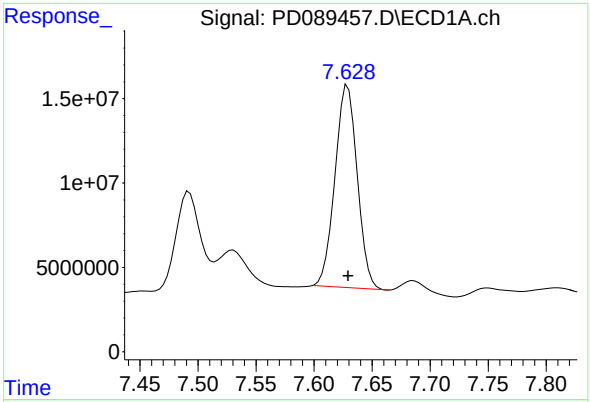
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 65805389
Conc: 32.57 ng/ml



#20 Methoxychlor

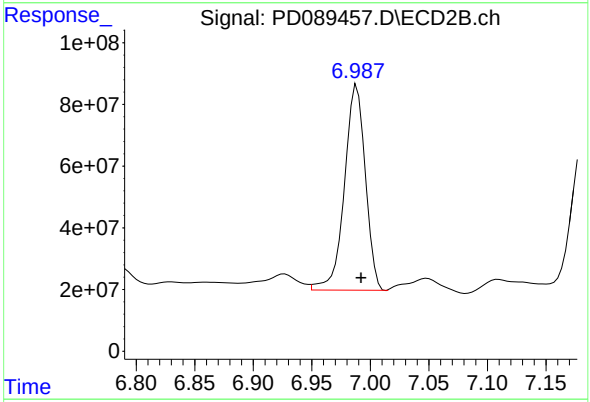
R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 426526191
Conc: 39.61 ng/ml



#21 Endrin ketone

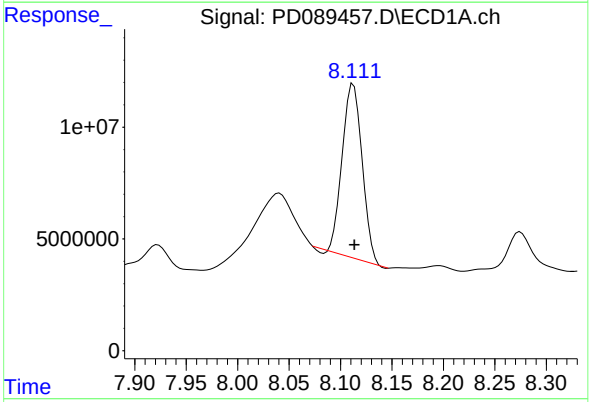
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 160281153
Conc: 39.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



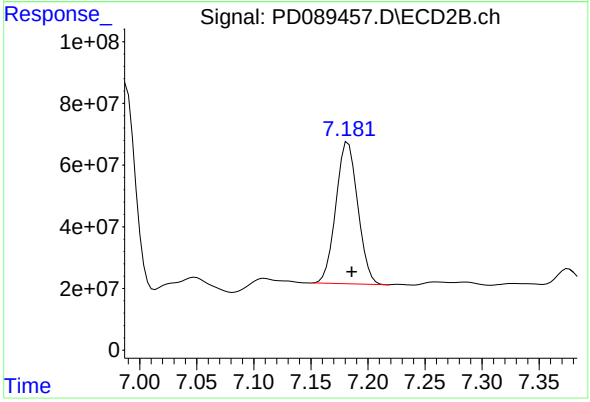
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 828425206
Conc: 38.35 ng/ml



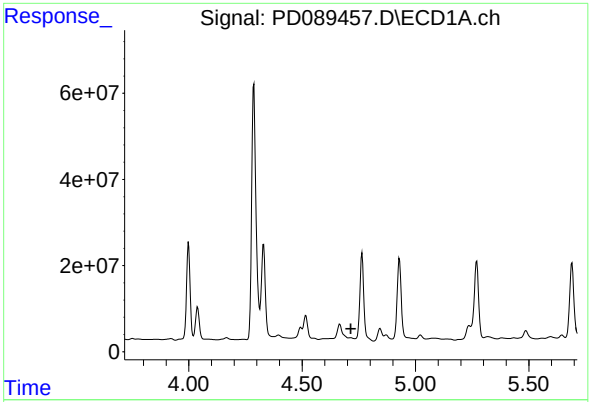
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 105398506
Conc: 34.67 ng/ml



#22 Mirex

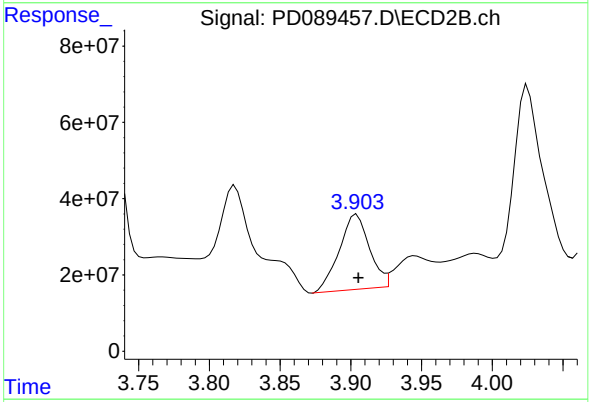
R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 613284121
Conc: 36.77 ng/ml



#23 Chlordane-1

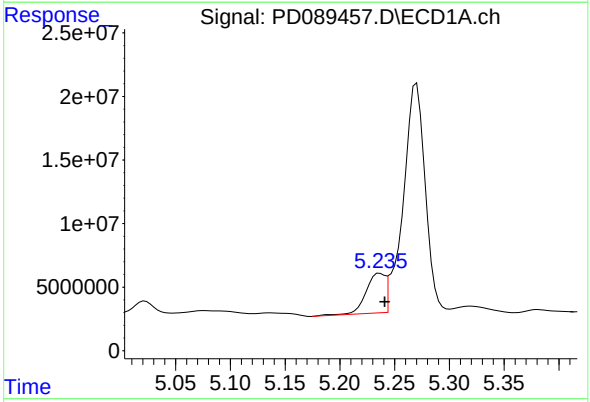
R.T.: 4.714 min
Delta R.T.: -0.001 min
Response: -2684297
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



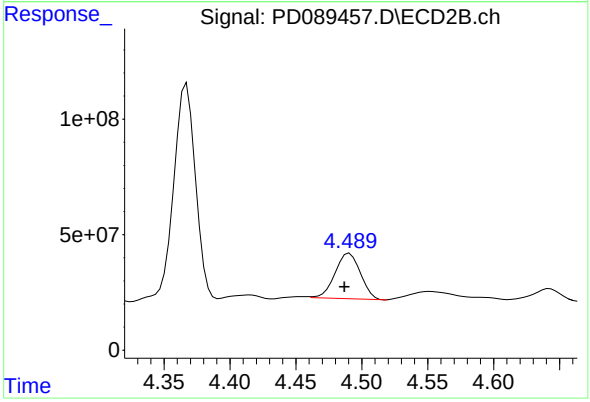
#23 Chlordane-1

R.T.: 3.904 min
Delta R.T.: -0.001 min
Response: 292392208
Conc: 313.64 ng/ml



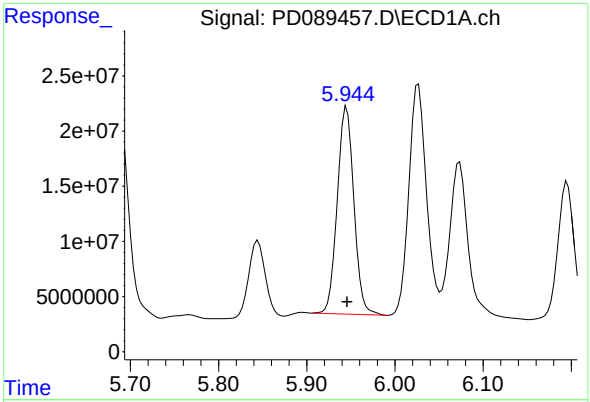
#24 Chlordane-2

R.T.: 5.237 min
Delta R.T.: -0.004 min
Response: 38119350
Conc: 174.61 ng/ml



#24 Chlordane-2

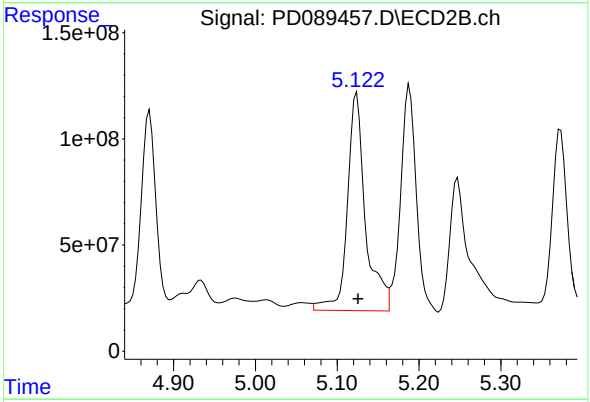
R.T.: 4.491 min
Delta R.T.: 0.004 min
Response: 263595286
Conc: 277.00 ng/ml



#25 Chlordane-3

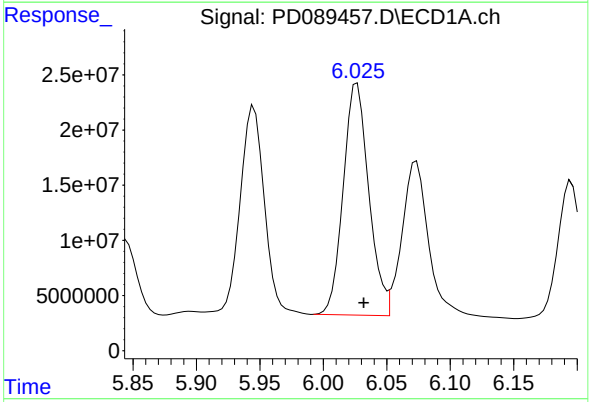
R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 246526854
Conc: 285.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



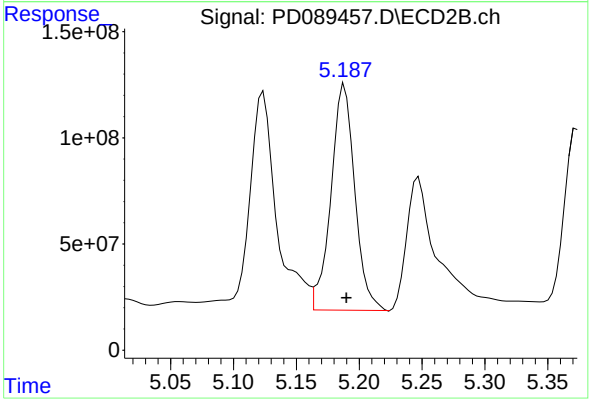
#25 Chlordane-3

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1573208117
Conc: 529.66 ng/ml



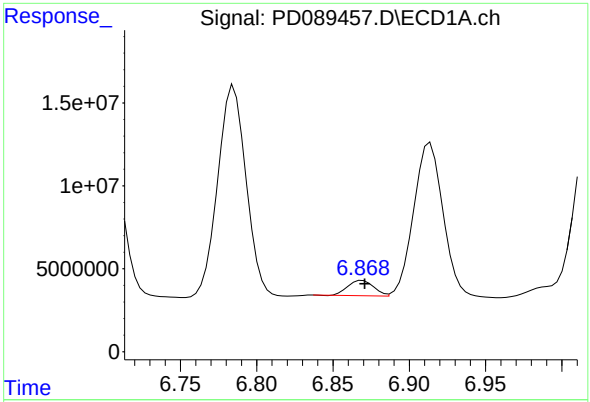
#26 Chlordane-4

R.T.: 6.027 min
Delta R.T.: -0.005 min
Response: 294435931
Conc: 280.23 ng/ml



#26 Chlordane-4

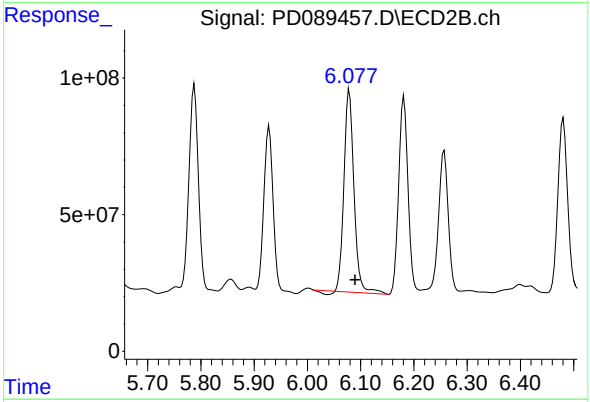
R.T.: 5.188 min
Delta R.T.: -0.001 min
Response: 1406561184
Conc: 561.12 ng/ml



#27 Chlordane-5

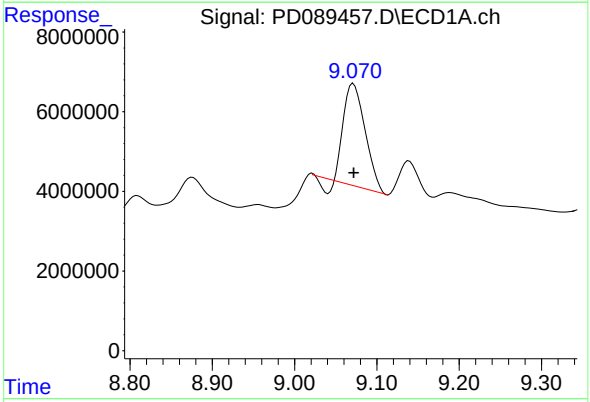
R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 10939901
Conc: 59.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MS



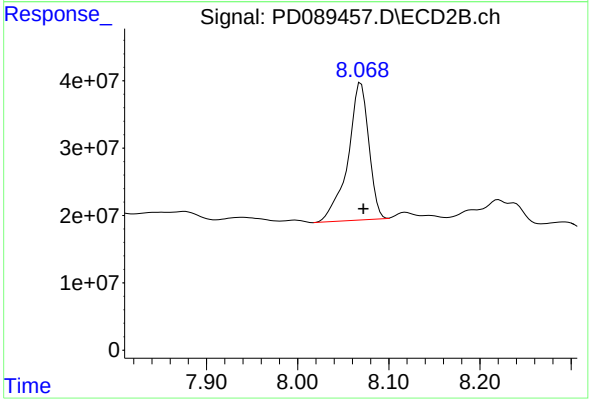
#27 Chlordane-5

R.T.: 6.079 min
Delta R.T.: -0.011 min
Response: 968078587
Conc: 855.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 45006386
Conc: 11.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 323320126
Conc: 16.35 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 14:09
Operator : AR\AJ
Sample : Q2560-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	32392816	816.4E6	11.353	48.154	#
28)	SA Decachlor...	9.071	8.069	43926500	322.0E6	11.184	16.289	#
	Target Compounds							
2)	A alpha-BHC	3.999	3.393	242.7E6	1297.9E6	41.630	48.434	
3)	MA gamma-BHC...	4.329	3.728	283.1E6	1045.4E6	50.714	42.226	
4)	MA Heptachlor	4.929	4.082	240.4E6	1126.8E6	44.090	45.002	
5)	MB Aldrin	5.270	4.367	246.6E6	1070.7E6	46.411	44.213	
6)	B beta-BHC	4.516	4.025	66461844	740.2E6	30.112	68.883	#
7)	B delta-BHC	4.764	4.261	226.3E6	1102.0E6	44.091	44.303	
8)	B Heptachlo...	5.690	4.871	221.0E6	1164.0E6	45.814	53.156	
9)	A Endosulfan I	6.073	5.248	202.9E6	1134.7E6	45.024	54.442	
10)	B gamma-Chl...	5.945	5.124	243.2E6	1572.2E6	50.799	65.720	#
11)	B alpha-Chl...	6.027	5.189	294.7E6	1404.7E6	60.910	61.349	
12)	B 4,4'-DDE	6.196	5.374	155.4E6	1080.8E6	35.644	47.162	#
13)	MA Dieldrin	6.346	5.511	207.3E6	1195.3E6	43.214	51.502	
14)	MA Endrin	6.573	5.788	168.4E6	990.4E6	40.809	45.612	
15)	B Endosulfa...	6.785	6.079	162.1E6	963.8E6	40.150	47.718	
16)	A 4,4'-DDD	6.703	5.929	146.1E6	705.3E6	42.580	36.870	
17)	MA 4,4'-DDT	7.020	6.182	163.8E6	890.2E6	43.242	43.897	
18)	B Endrin al...	6.914	6.257	125.2E6	684.8E6	40.855	44.724	
19)	B Endosulfa...	7.148	6.481	151.7E6	811.9E6	39.538	41.382	
20)	A Methoxychlor	7.492	6.752	65740705	428.9E6	32.535	39.834	
21)	B Endrin ke...	7.629	6.989	160.6E6	818.0E6	39.431	37.866	
22)	Mirex	8.112	7.184	102.6E6	604.3E6	33.755	36.231	
23)	Chlordane-1	4.713	3.904	-1699399	287.4E6	N.D.	308.316	
24)	Chlordane-2	5.236	4.491	38086246	260.8E6	174.456	274.013	#
25)	Chlordane-3	5.945	5.124	243.2E6	1572.2E6	282.011	529.329	#
26)	Chlordane-4	6.027	5.189	294.7E6	1404.7E6	280.494	560.373	#
27)	Chlordane-5	6.870	6.079	10905176	963.8E6	59.670	851.627	#

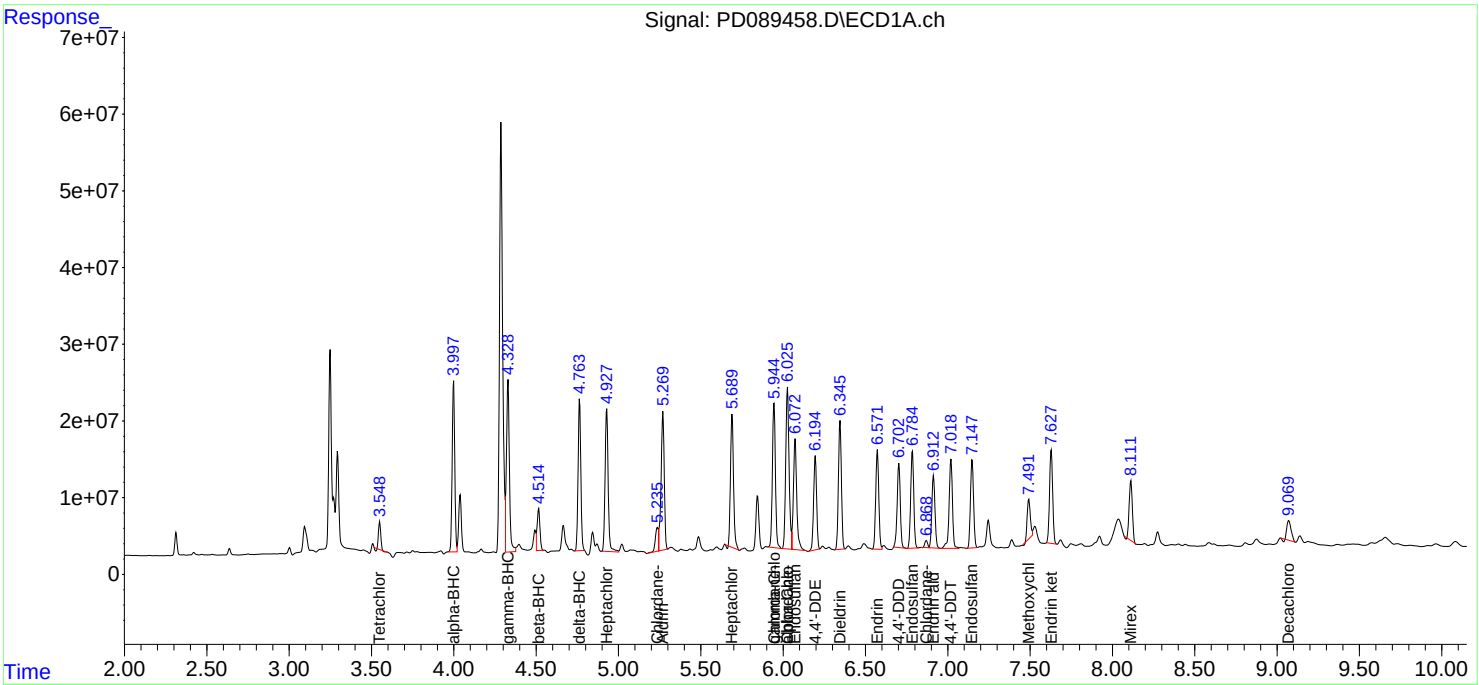
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

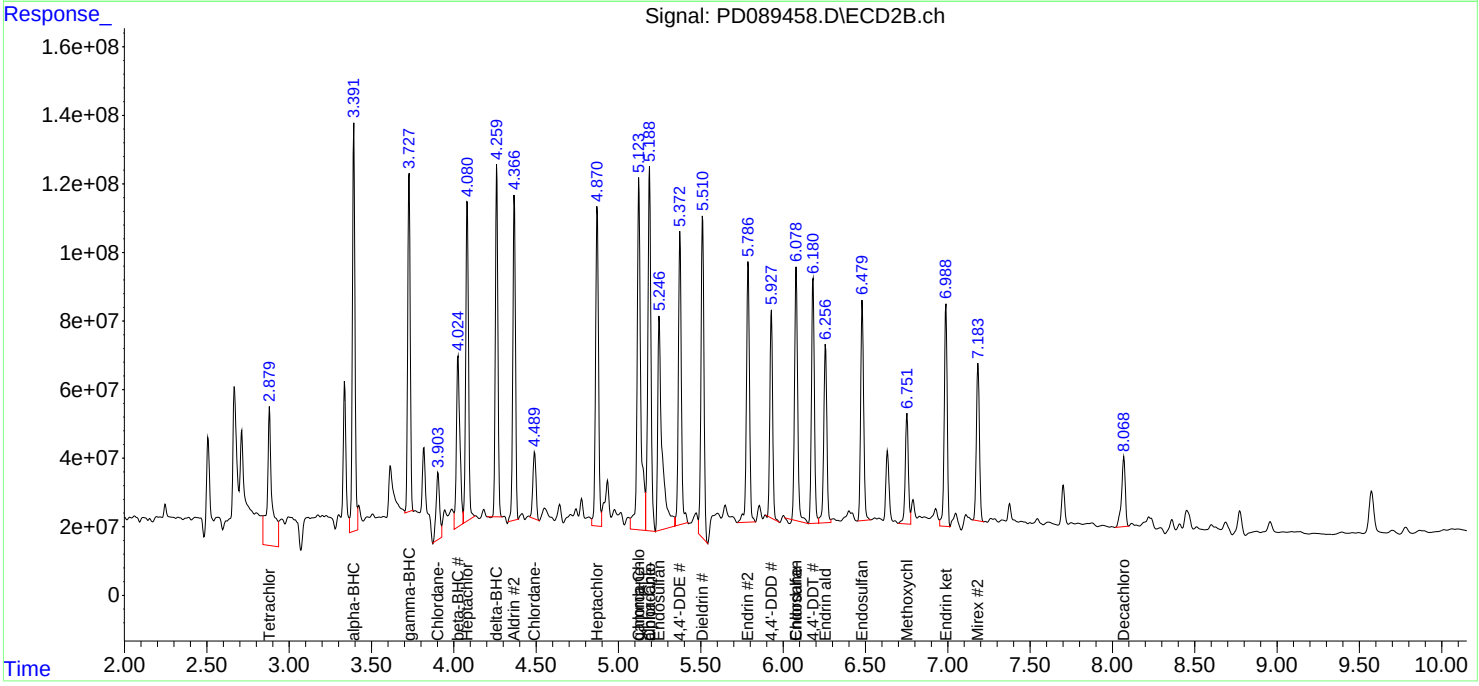
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 14:09
Operator : AR\AJ
Sample : Q2560-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

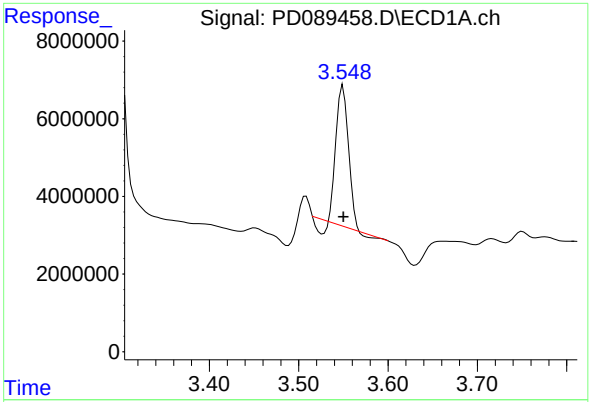
Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



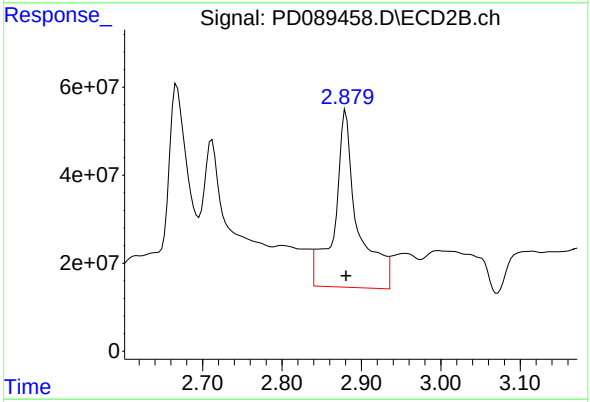




#1 Tetrachloro-m-xylene

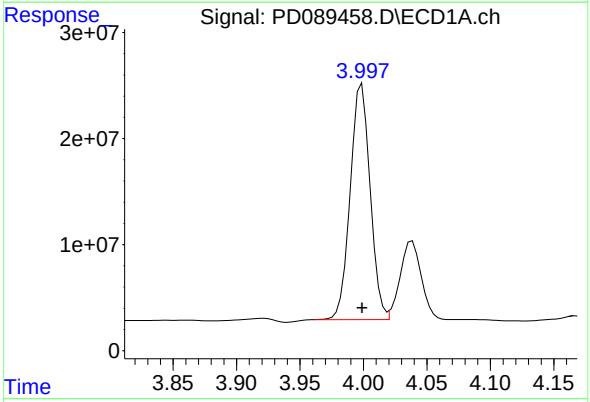
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 32392816
Conc: 11.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



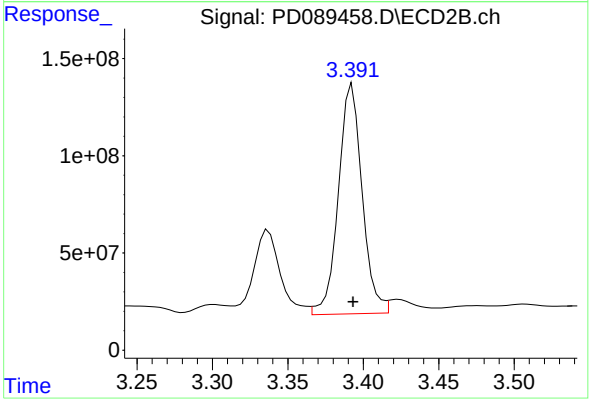
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 816357377
Conc: 48.15 ng/ml



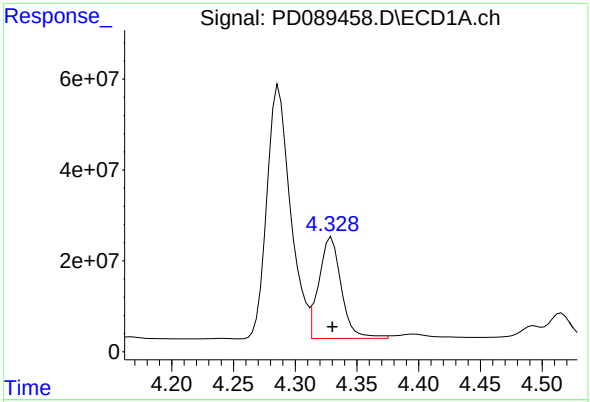
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 242663940
Conc: 41.63 ng/ml



#2 alpha-BHC

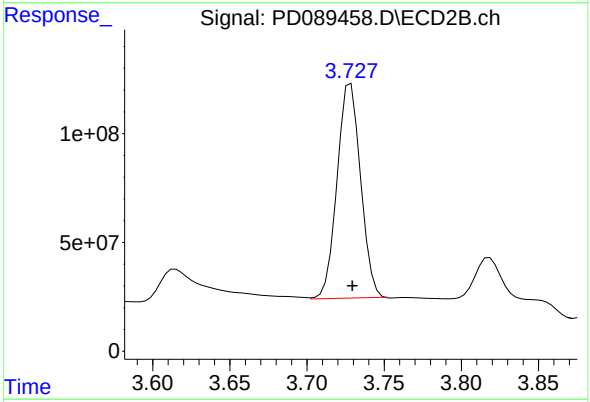
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1297887272
Conc: 48.43 ng/ml



#3 gamma-BHC (Lindane)

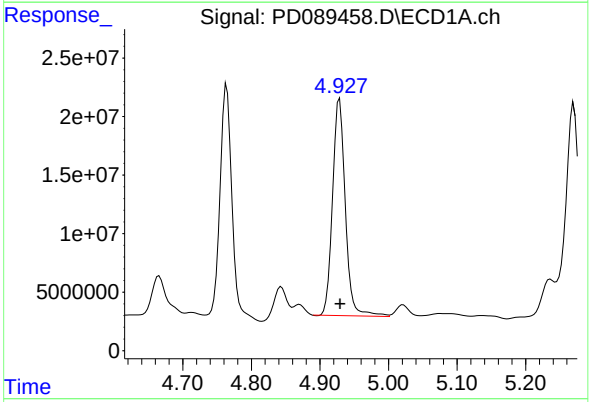
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 283071284
Conc: 50.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



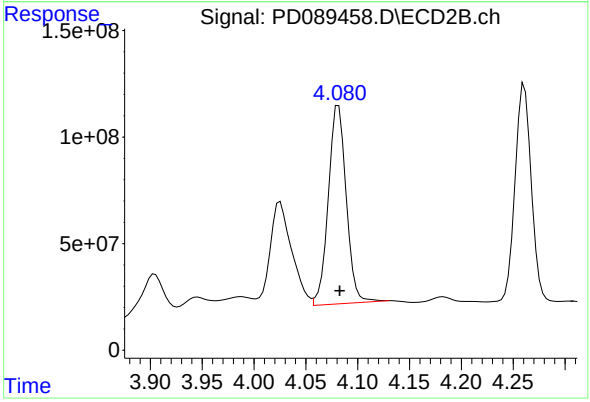
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1045388945
Conc: 42.23 ng/ml



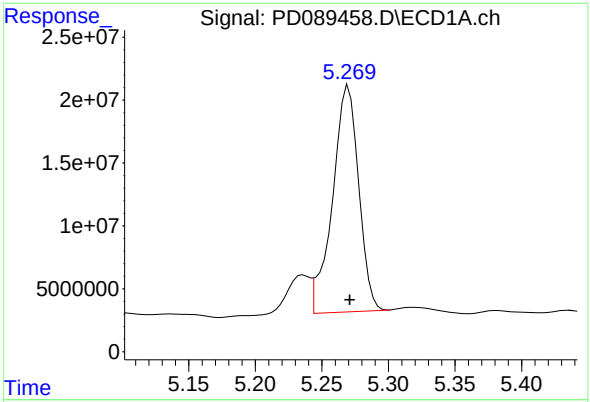
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 240378208
Conc: 44.09 ng/ml



#4 Heptachlor

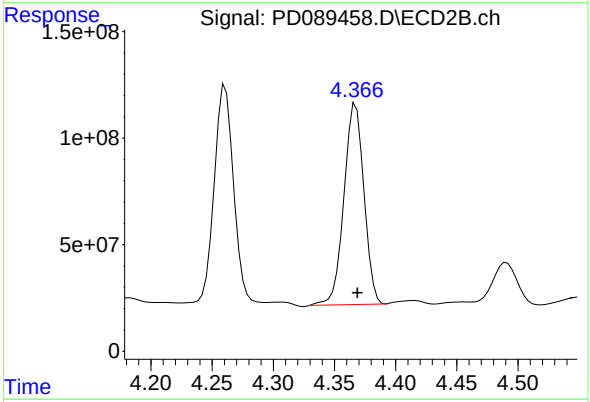
R.T.: 4.082 min
Delta R.T.: -0.001 min
Response: 1126771761
Conc: 45.00 ng/ml



#5 Aldrin

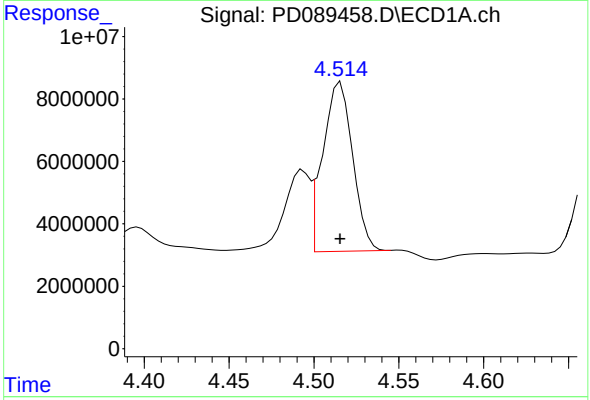
R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 246579065
Conc: 46.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



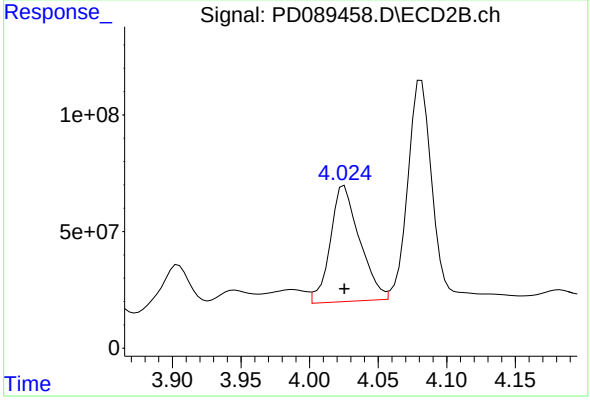
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.001 min
Response: 1070721785
Conc: 44.21 ng/ml



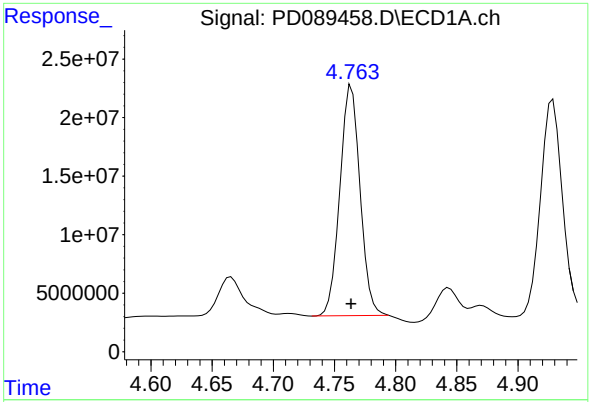
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 66461844
Conc: 30.11 ng/ml



#6 beta-BHC

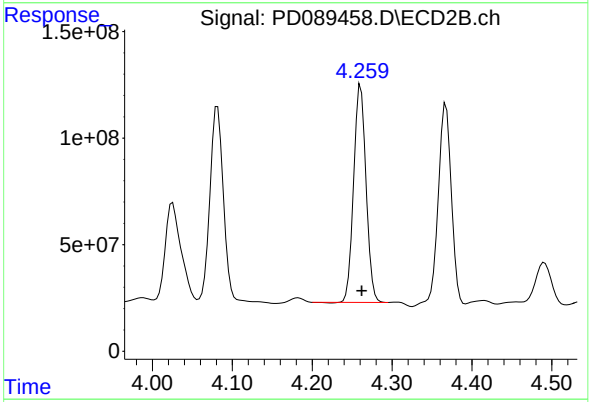
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 740231406
Conc: 68.88 ng/ml



#7 delta-BHC

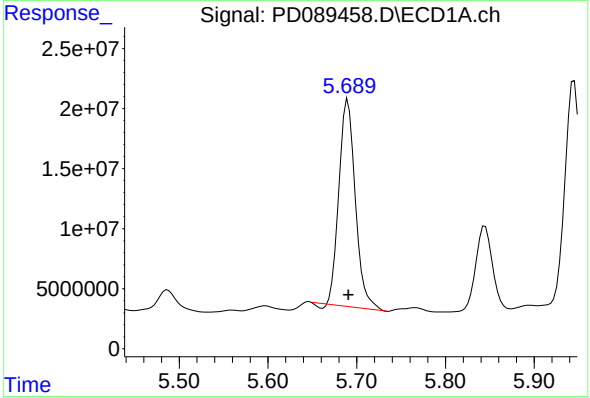
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 226312980
Conc: 44.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



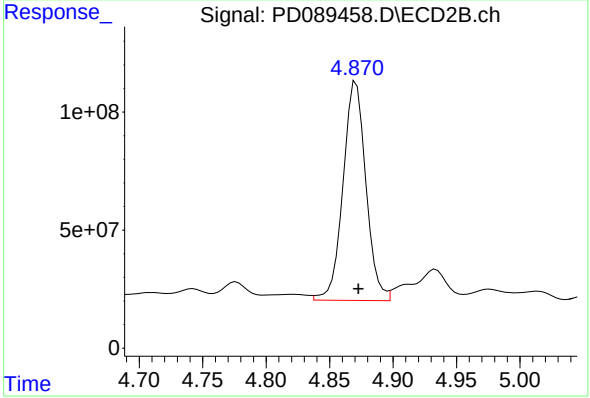
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1101977808
Conc: 44.30 ng/ml



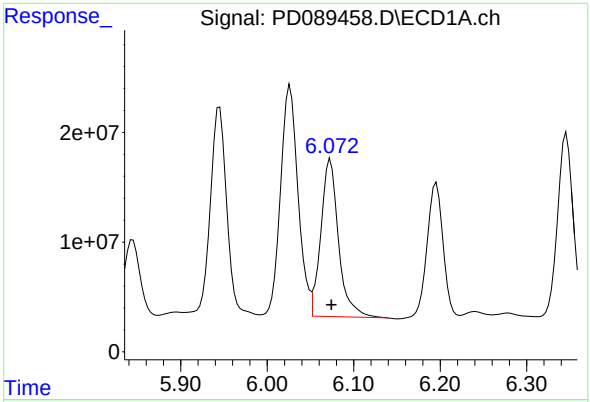
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 221004444
Conc: 45.81 ng/ml



#8 Heptachlor epoxide

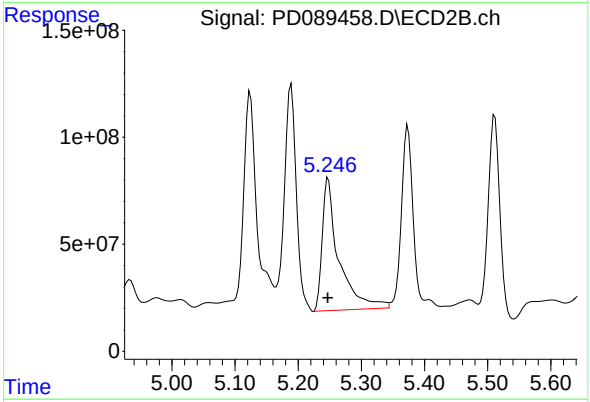
R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1164009830
Conc: 53.16 ng/ml



#9 Endosulfan I

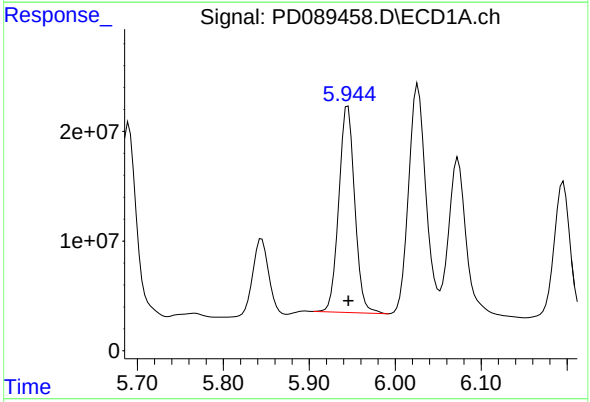
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 202945608
Conc: 45.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



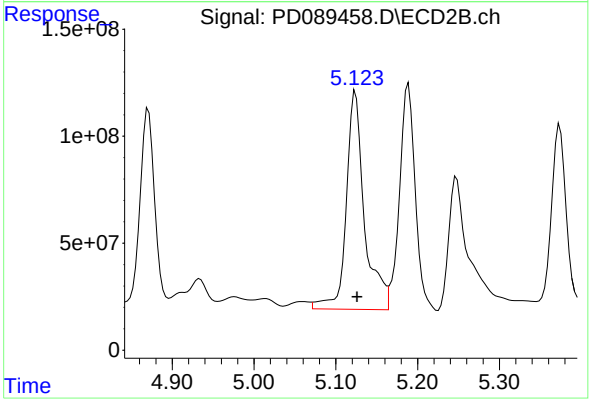
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 1134698891
Conc: 54.44 ng/ml



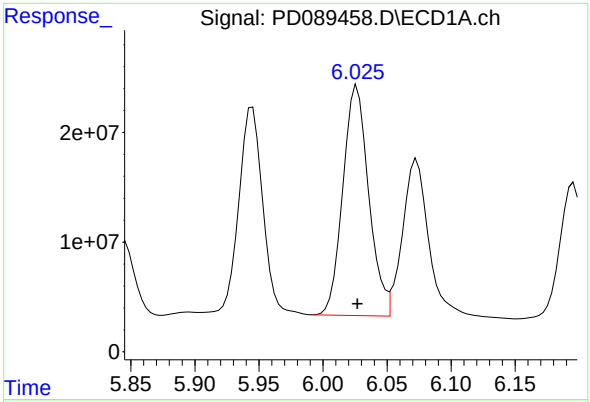
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 243229736
Conc: 50.80 ng/ml



#10 gamma-Chlordane

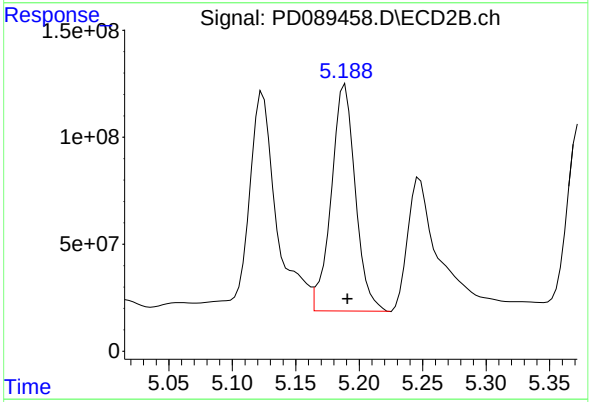
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1572211284
Conc: 65.72 ng/ml



#11 alpha-Chlordane

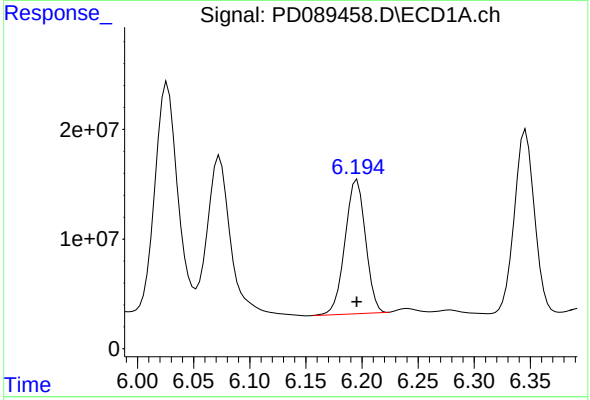
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 294717625
Conc: 60.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



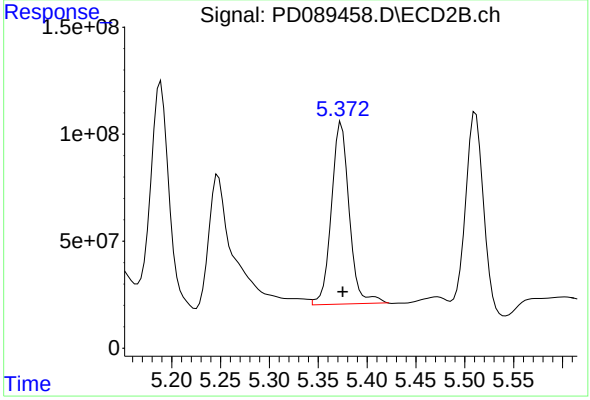
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 1404698628
Conc: 61.35 ng/ml



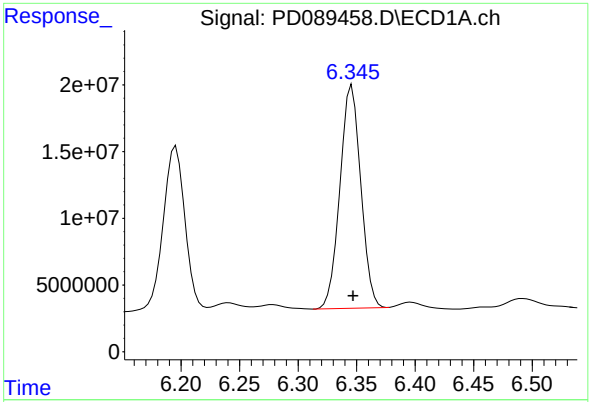
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 155442672
Conc: 35.64 ng/ml



#12 4,4'-DDE

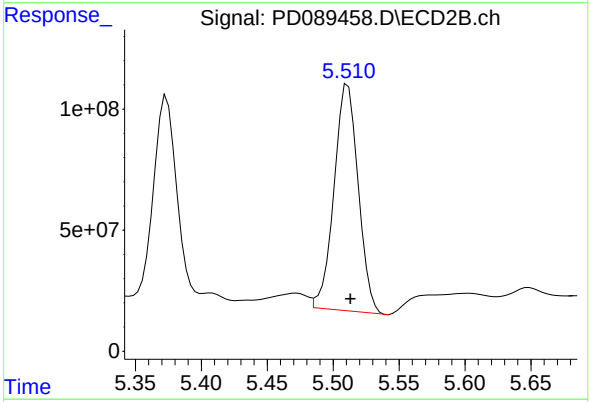
R.T.: 5.374 min
Delta R.T.: -0.001 min
Response: 1080761134
Conc: 47.16 ng/ml



#13 Dieldrin

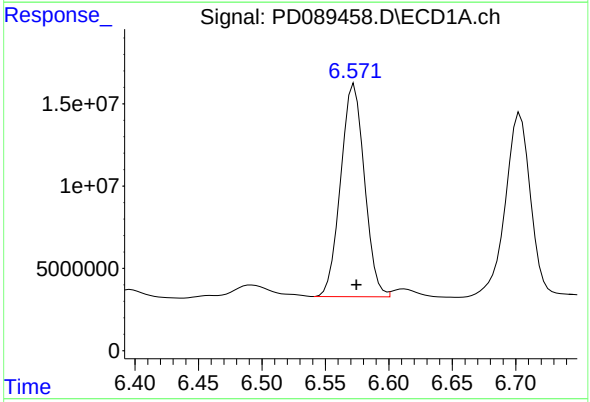
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 207318411
Conc: 43.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



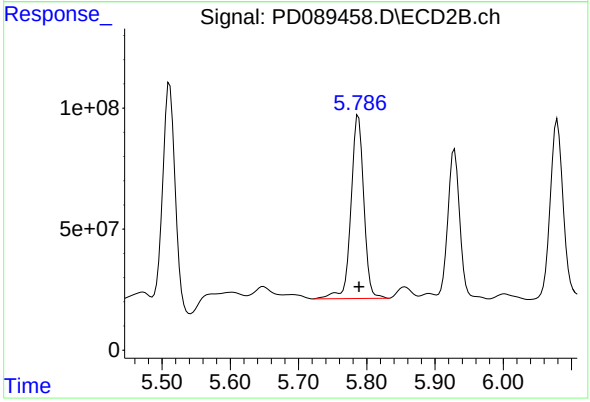
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1195278113
Conc: 51.50 ng/ml



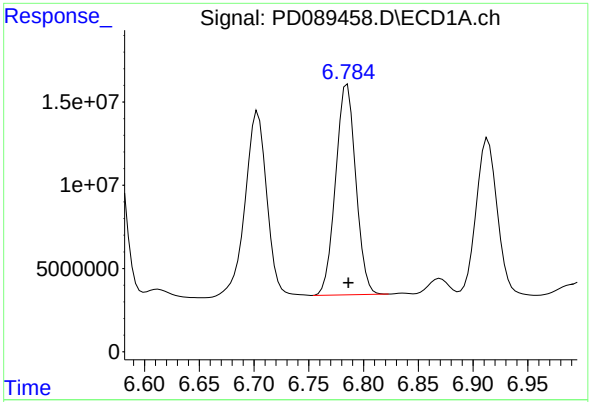
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.002 min
Response: 168360067
Conc: 40.81 ng/ml



#14 Endrin

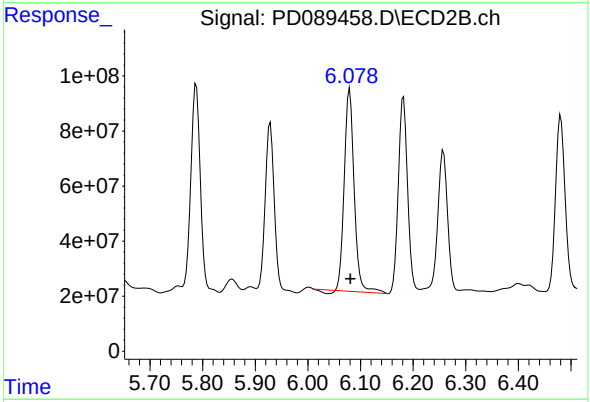
R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 990407053
Conc: 45.61 ng/ml



#15 Endosulfan II

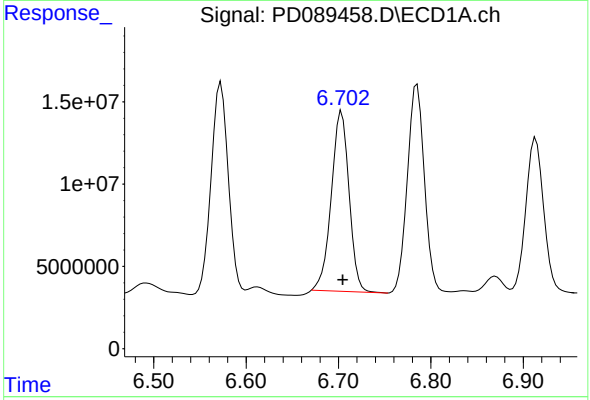
R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 162070646
Conc: 40.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



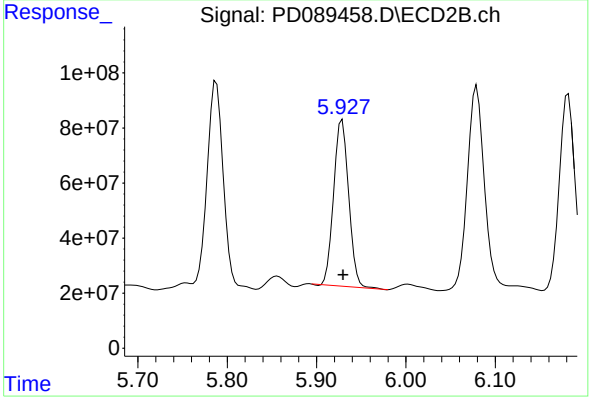
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 963752541
Conc: 47.72 ng/ml



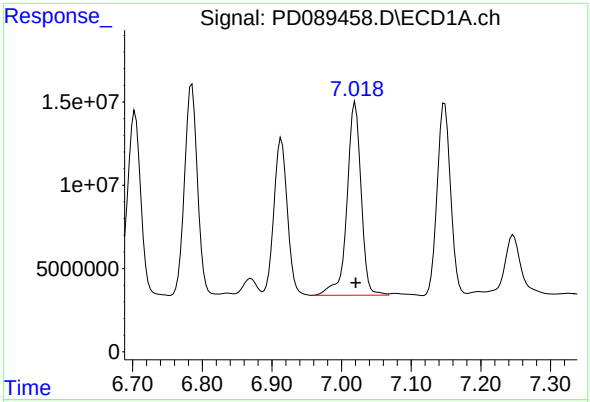
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 146135547
Conc: 42.58 ng/ml



#16 4,4'-DDD

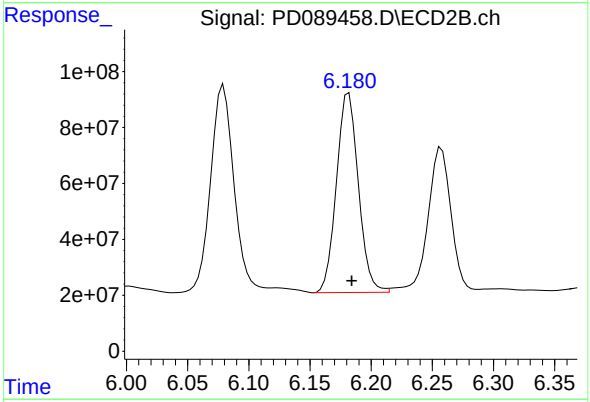
R.T.: 5.929 min
Delta R.T.: -0.001 min
Response: 705296188
Conc: 36.87 ng/ml



#17 4,4'-DDT

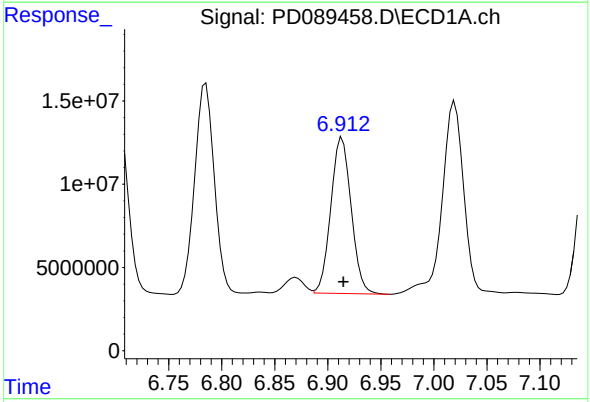
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 163810212
Conc: 43.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



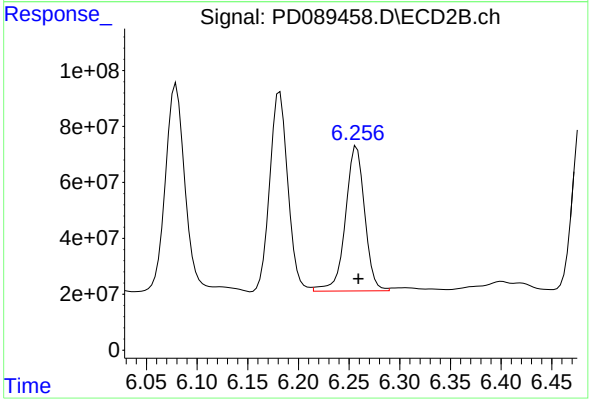
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 890209679
Conc: 43.90 ng/ml



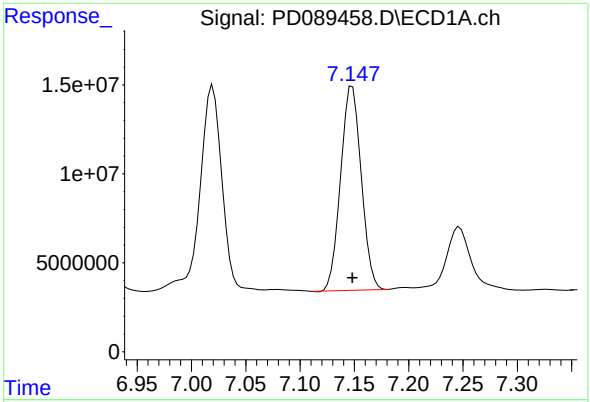
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.001 min
Response: 125177905
Conc: 40.86 ng/ml



#18 Endrin aldehyde

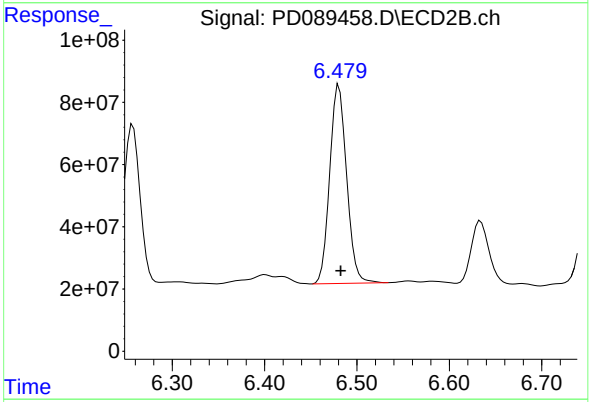
R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 684791153
Conc: 44.72 ng/ml



#19 Endosulfan Sulfate

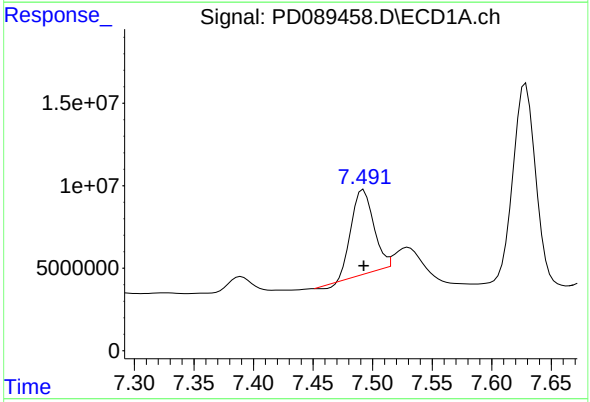
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 151715564
Conc: 39.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



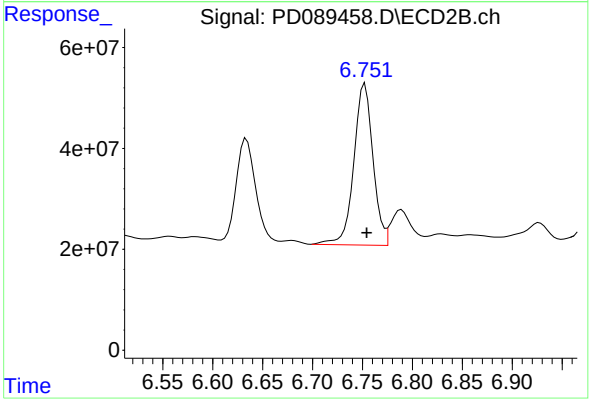
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.002 min
Response: 811949854
Conc: 41.38 ng/ml



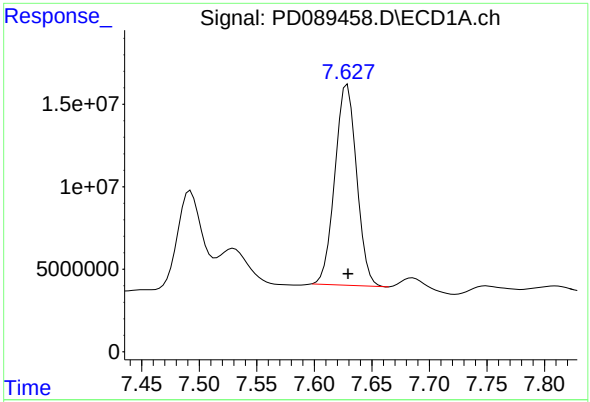
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 65740705
Conc: 32.53 ng/ml



#20 Methoxychlor

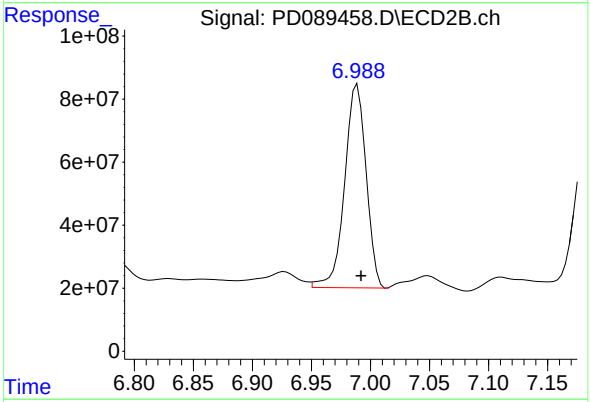
R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 428935225
Conc: 39.83 ng/ml



#21 Endrin ketone

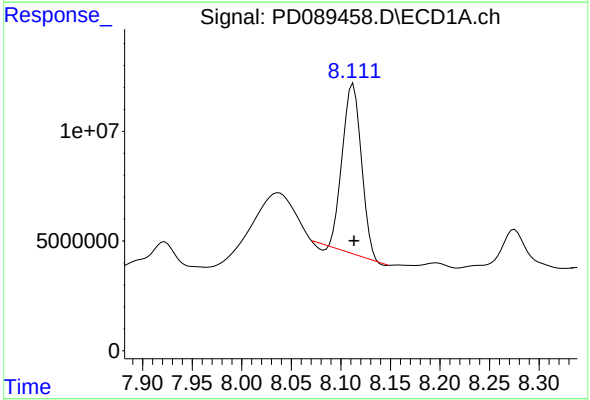
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 160603830
Conc: 39.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



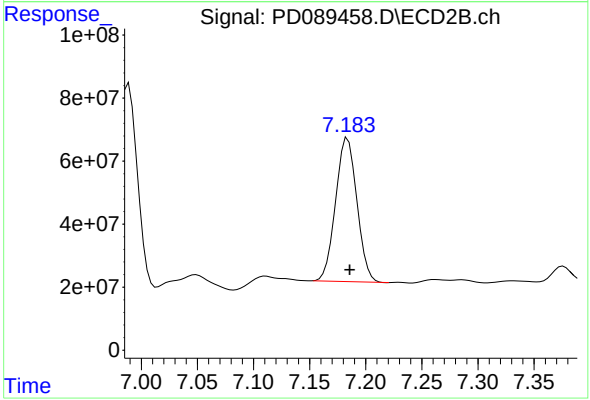
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 817964404
Conc: 37.87 ng/ml



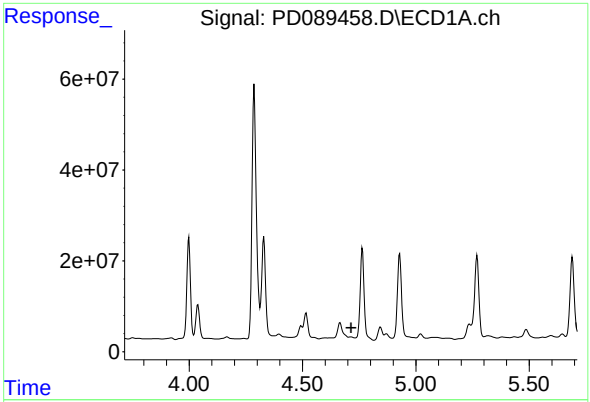
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 102620917
Conc: 33.76 ng/ml



#22 Mirex

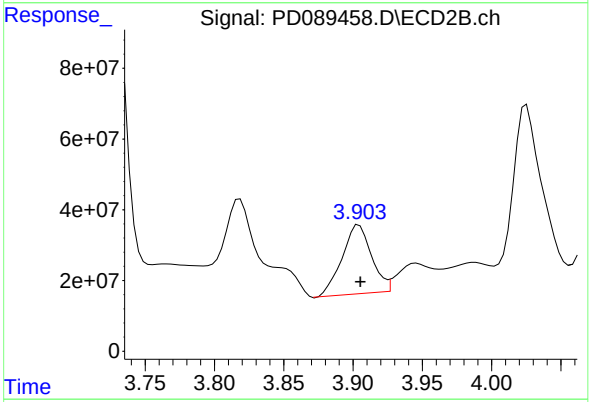
R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 604268462
Conc: 36.23 ng/ml



#23 Chlordane-1

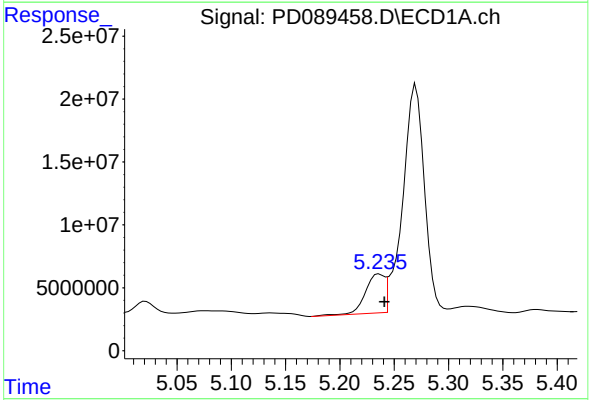
R.T.: 4.713 min
Delta R.T.: -0.002 min
Response: -1699399
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



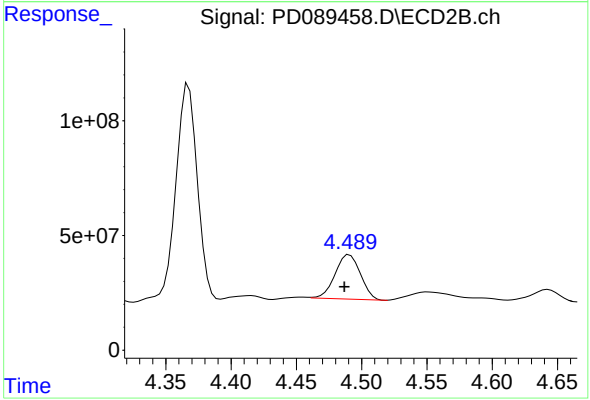
#23 Chlordane-1

R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 287427541
Conc: 308.32 ng/ml



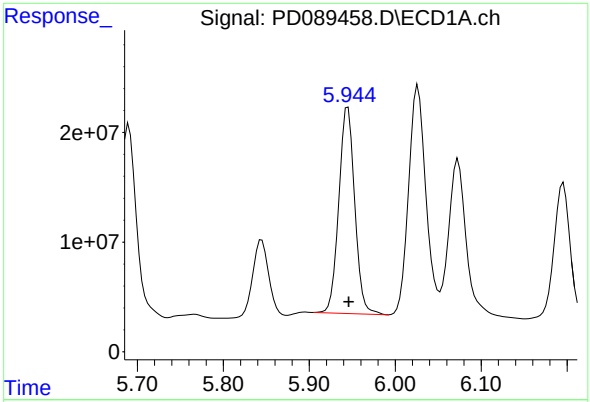
#24 Chlordane-2

R.T.: 5.236 min
Delta R.T.: -0.005 min
Response: 38086246
Conc: 174.46 ng/ml



#24 Chlordane-2

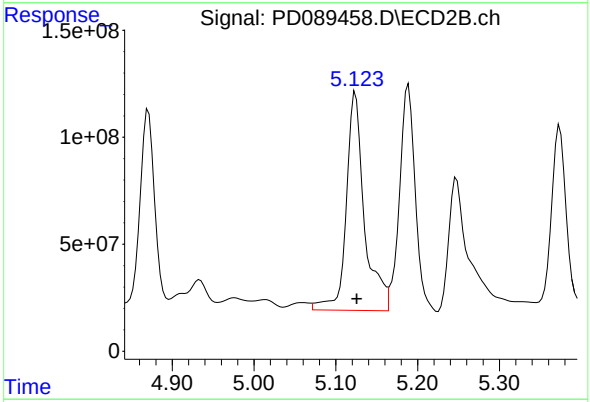
R.T.: 4.491 min
Delta R.T.: 0.004 min
Response: 260755226
Conc: 274.01 ng/ml



#25 Chlordane-3

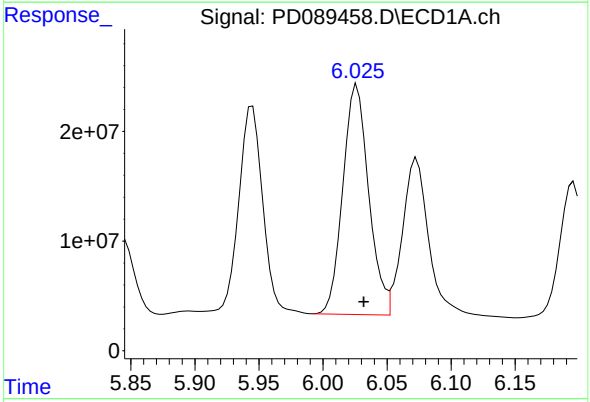
R.T.: 5.945 min
Delta R.T.: -0.001 min
Response: 243229736
Conc: 282.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



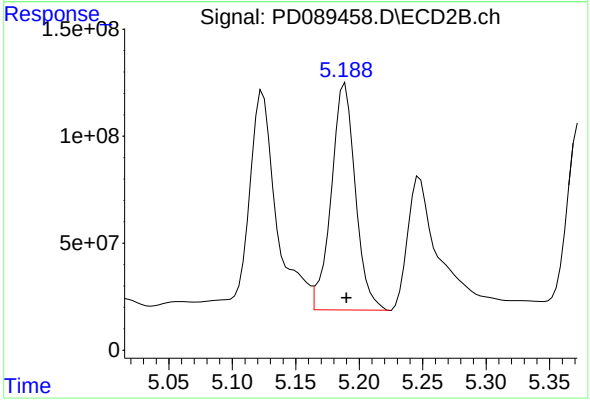
#25 Chlordane-3

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1572211284
Conc: 529.33 ng/ml



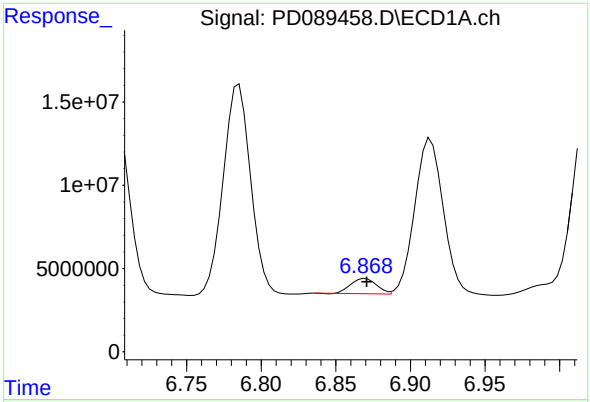
#26 Chlordane-4

R.T.: 6.027 min
Delta R.T.: -0.005 min
Response: 294717625
Conc: 280.49 ng/ml



#26 Chlordane-4

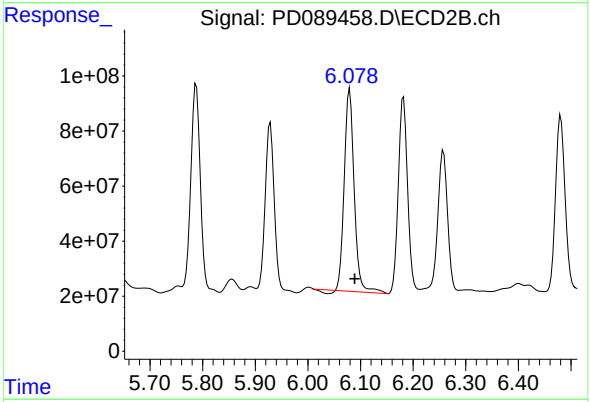
R.T.: 5.189 min
Delta R.T.: 0.000 min
Response: 1404698628
Conc: 560.37 ng/ml



#27 Chlordane-5

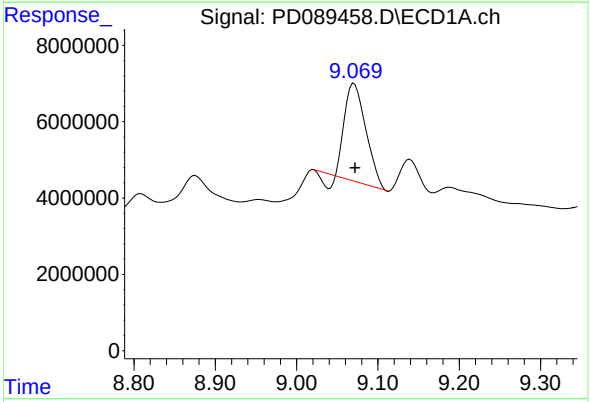
R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 10905176
Conc: 59.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
LP-7102025MSD



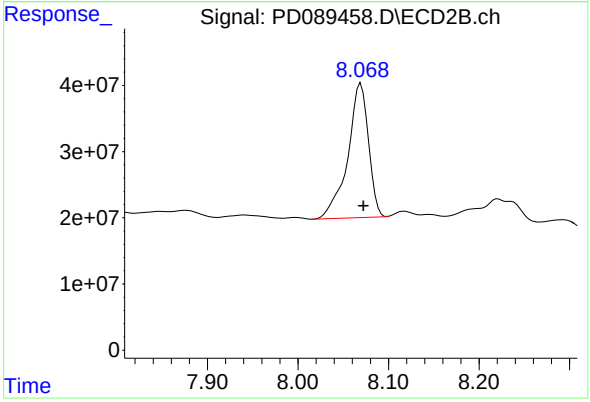
#27 Chlordane-5

R.T.: 6.079 min
Delta R.T.: -0.010 min
Response: 963752541
Conc: 851.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 43926500
Conc: 11.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 322034876
Conc: 16.29 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : ECD_D
ClientSampleId : I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:53:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	55320654	382.2E6	19.389	22.545	
28)	SA Decachlor...	9.070	8.070	70177492	357.7E6	17.868	18.092	
	Target Compounds							
2)	A alpha-BHC	0.000	3.383	0	5480440	N.D.	0.205	#
3)	MA gamma-BHC...	0.000	3.722	0	1140189	N.D.	0.046	#
4)	MA Heptachlor	4.919	0.000	183199	0	0.034	N.D.	#
5)	MB Aldrin	5.265	4.371	198552	242032	0.037	0.010	#
6)	B beta-BHC	4.491f	4.040	79799	889222	0.036	0.083	#
7)	B delta-BHC	4.778	4.262	2509754	408558	0.489	0.016	#
8)	B Heptachlo...	5.683	4.871	3156386	28025274	0.654	1.280	#
9)	A Endosulfan I	6.068	5.234	210497	5938381	0.047	0.285	#
10)	B gamma-Chl...	0.000	5.118	0	11095686	N.D.	0.464	#
11)	B alpha-Chl...	6.043f	0.000	796185	0	0.165	N.D.	#
12)	B 4,4'-DDE	6.171f	5.383	401391	728636	0.092	0.032	#
13)	MA Dieldrin	0.000	5.517	0	311548	N.D.	0.013	#
14)	MA Endrin	6.584	5.793	1289895	68284859	0.313	3.145	#
15)	B Endosulfa...	6.772	6.095	835770	2001037	0.207	0.099	#
16)	A 4,4'-DDD	6.703	5.949f	429496	-582148	0.125	N.D.	#
17)	MA 4,4'-DDT	7.032	6.174	783992	4579188	0.207	0.226	
18)	B Endrin al...	6.922	6.266	688809	2450527	0.225	0.160	#
19)	B Endosulfa...	0.000	6.475	0	1096271	N.D.	0.056	#
20)	A Methoxychlor	7.512f	6.764	441718	12388317	0.219	1.150	#
21)	B Endrin ke...	7.639	0.000	885174	0	0.217	N.D.	#
22)	Mirex	8.112	7.190	5897455	1054616	1.940	0.063	#
24)	Chlordane-2	5.265f	4.498	198552	17138381	0.909	18.010	#
25)	Chlordane-3	0.000	5.118	0	11095686	N.D.	3.736	#
26)	Chlordane-4	6.043	5.159f	796185	22713590	0.758	9.061	#
27)	Chlordane-5	6.883	6.095	167341	2001037	0.916	1.768	#

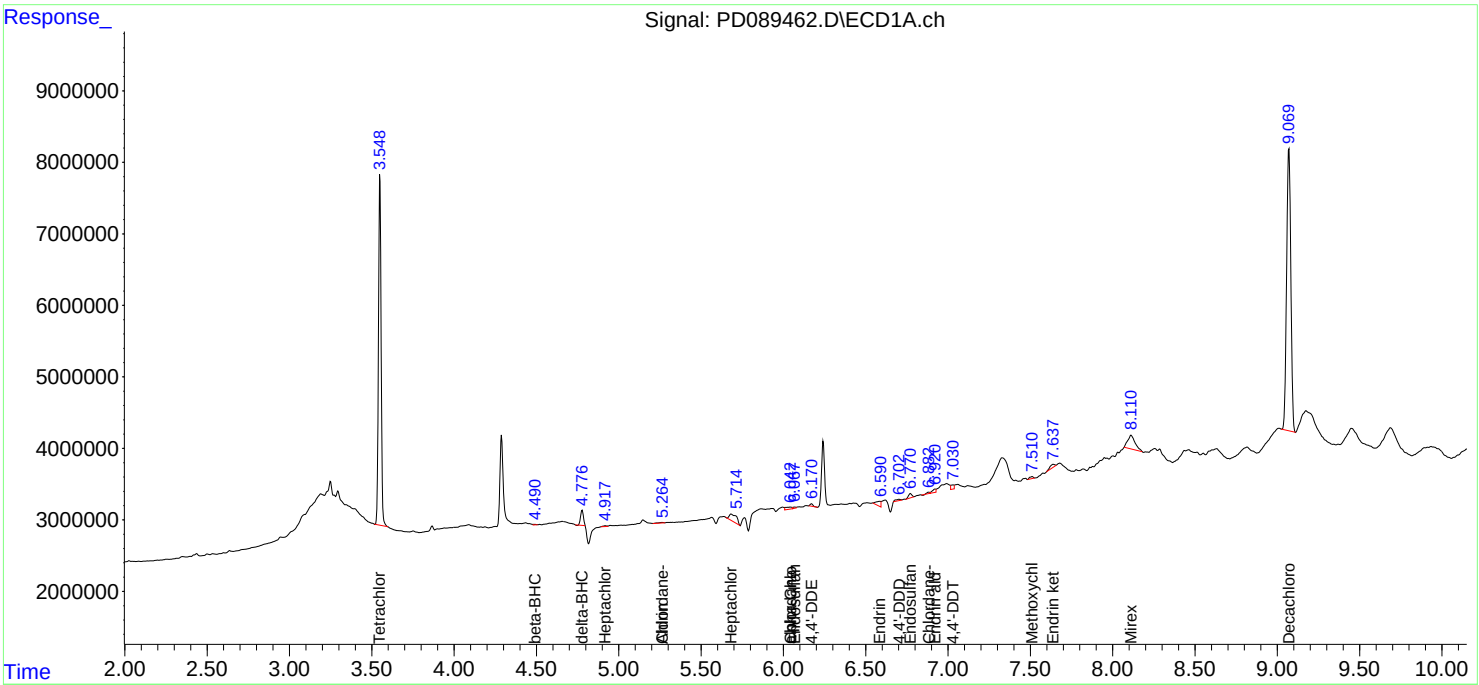
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

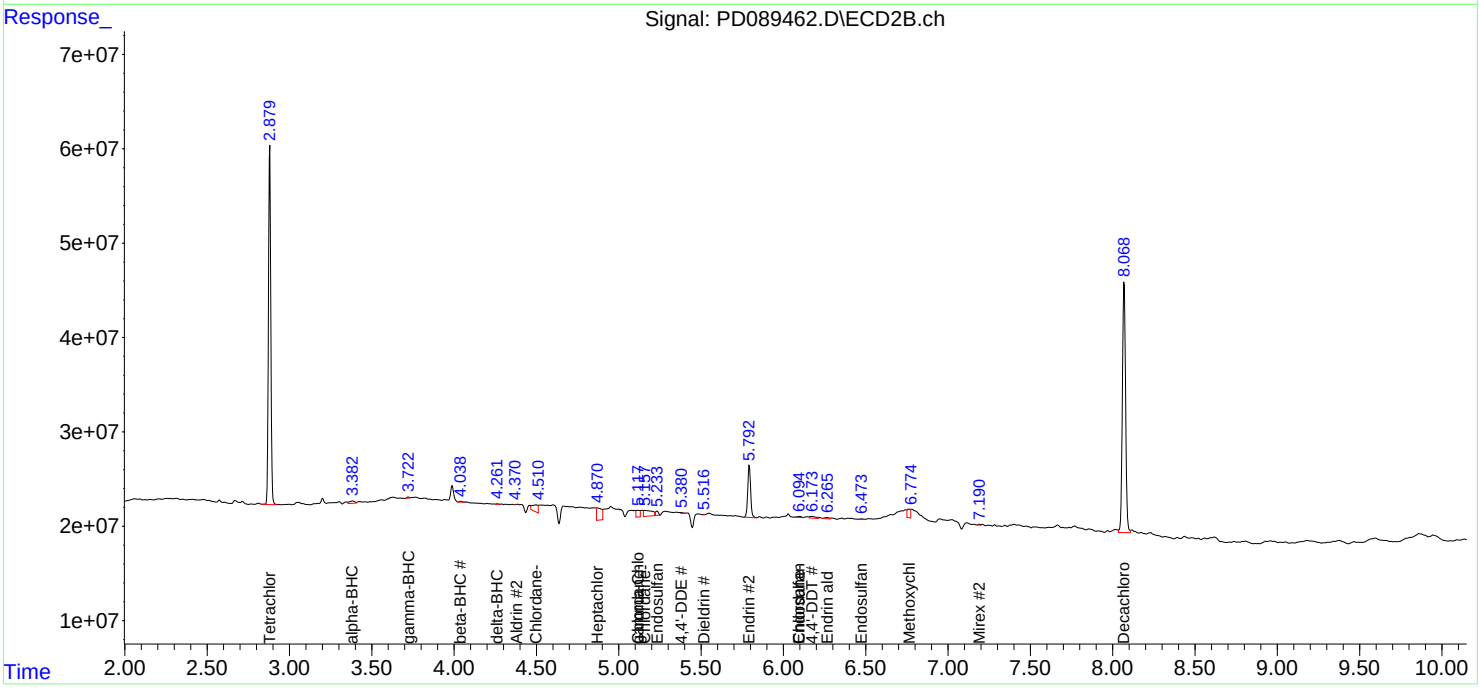
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

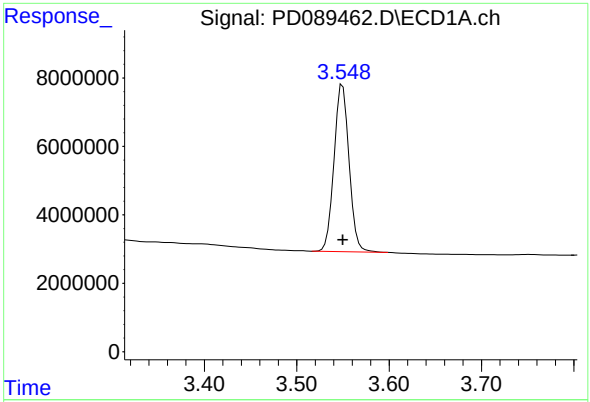
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:53:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



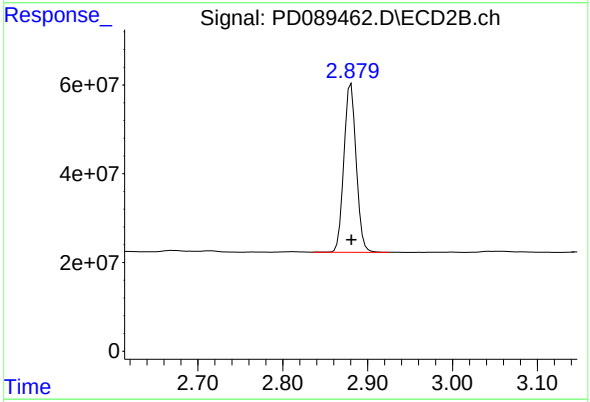




#1 Tetrachloro-m-xylene

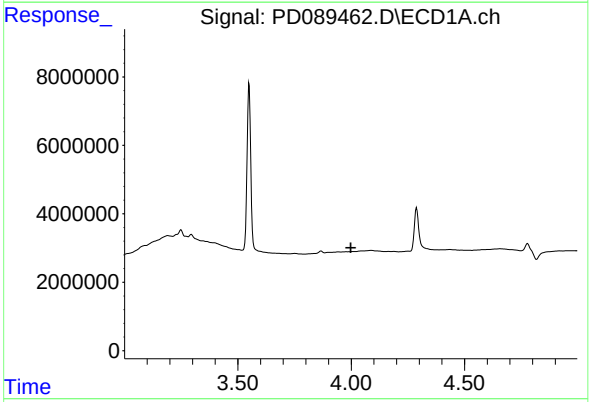
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 55320654
Conc: 19.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



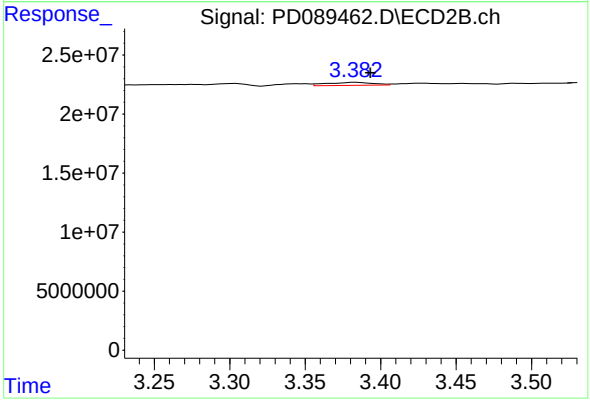
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 382211370
Conc: 22.55 ng/ml



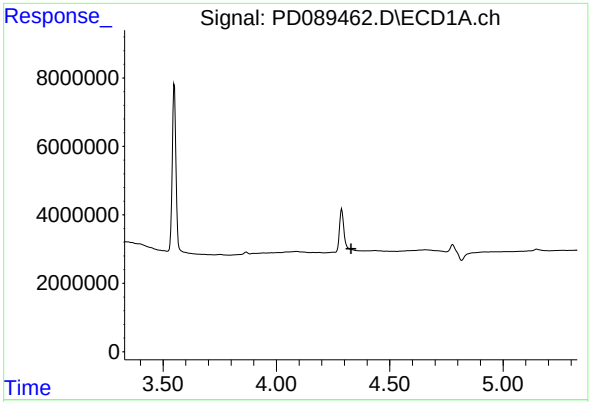
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.999 min
Response: 0
Conc: N.D.



#2 alpha-BHC

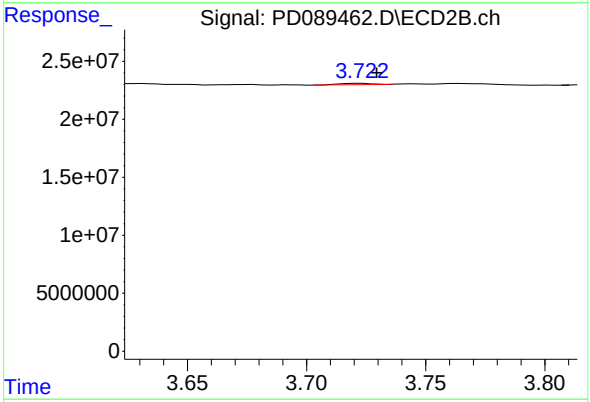
R.T.: 3.383 min
Delta R.T.: -0.010 min
Response: 5480440
Conc: 0.20 ng/ml



#3 gamma-BHC (Lindane)

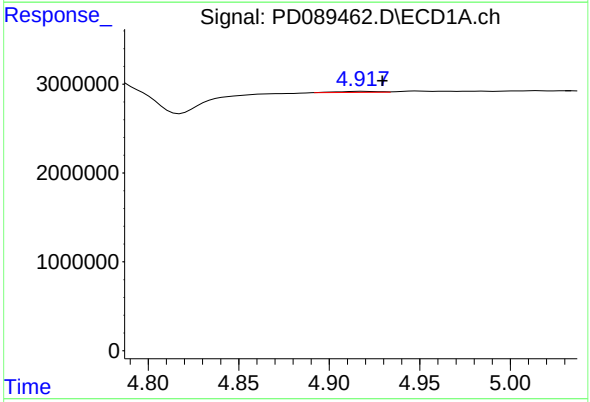
R.T.: 0.000 min
Exp R.T. : 4.330 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



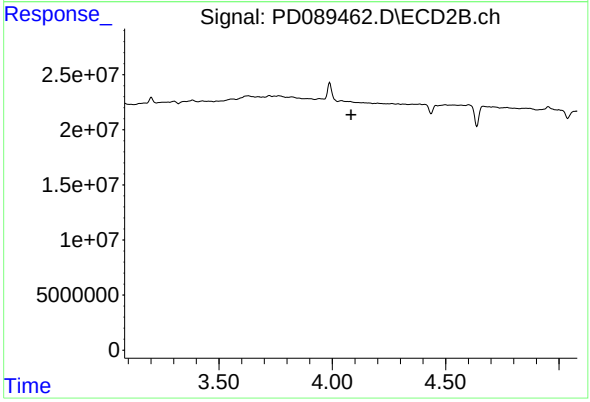
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.007 min
Response: 1140189
Conc: 0.05 ng/ml



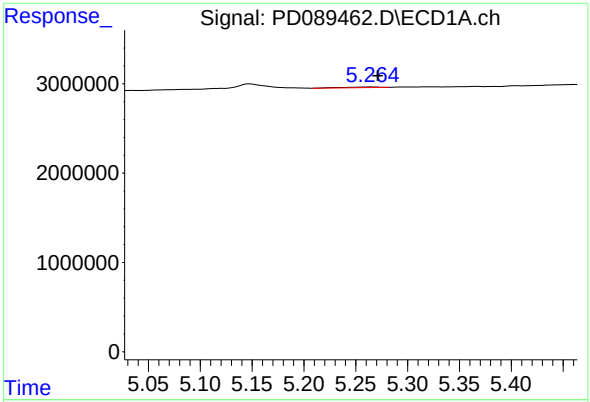
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: -0.011 min
Response: 183199
Conc: 0.03 ng/ml



#4 Heptachlor

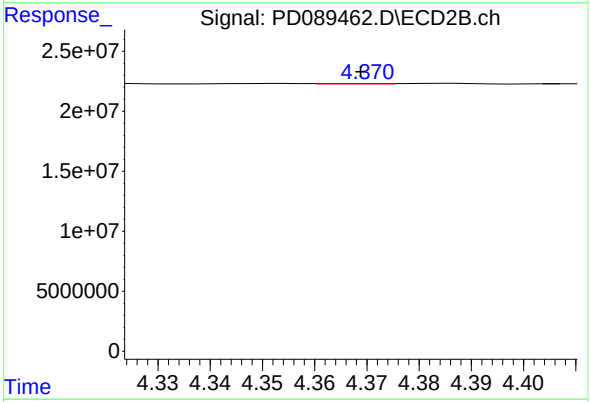
R.T.: 0.000 min
Exp R.T. : 4.083 min
Response: 0
Conc: N.D.



#5 Aldrin

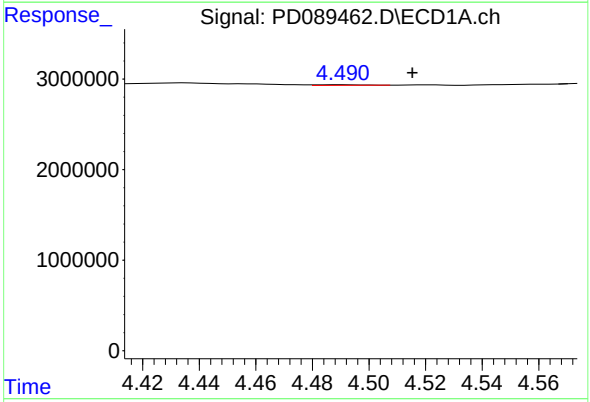
R.T.: 5.265 min
Delta R.T.: -0.006 min
Response: 198552
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



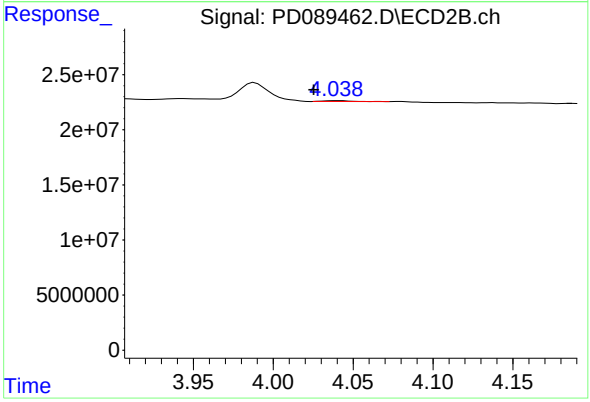
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.002 min
Response: 242032
Conc: 0.01 ng/ml



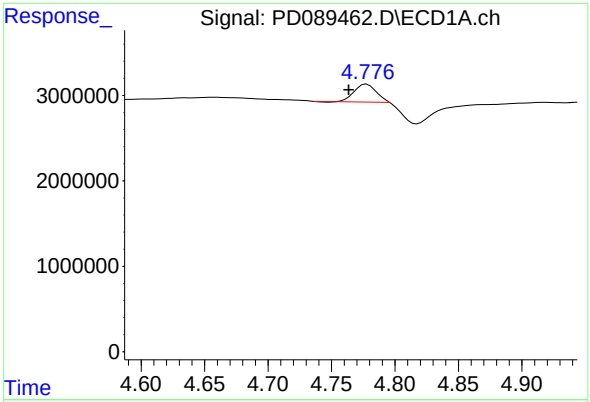
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.025 min
Response: 79799
Conc: 0.04 ng/ml



#6 beta-BHC

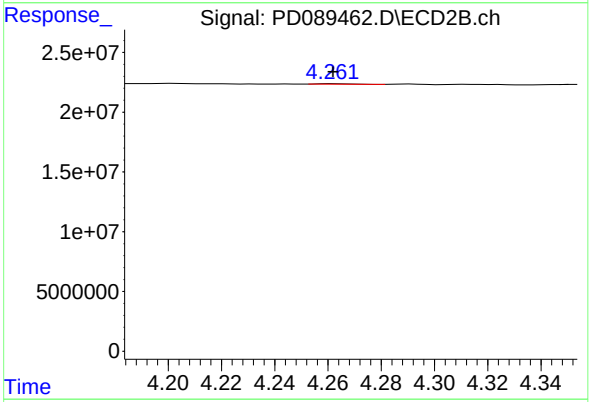
R.T.: 4.040 min
Delta R.T.: 0.014 min
Response: 889222
Conc: 0.08 ng/ml



#7 delta-BHC

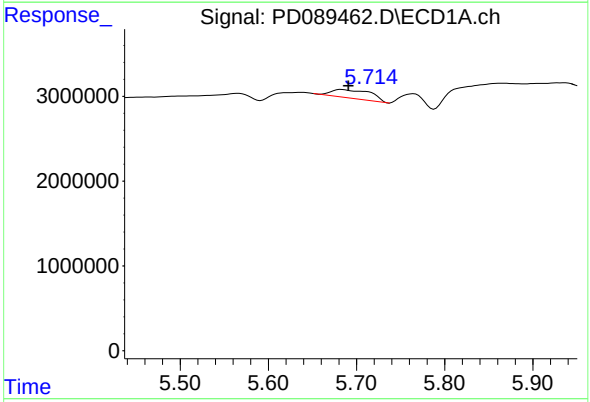
R.T.: 4.778 min
Delta R.T.: 0.014 min
Response: 2509754
Conc: 0.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



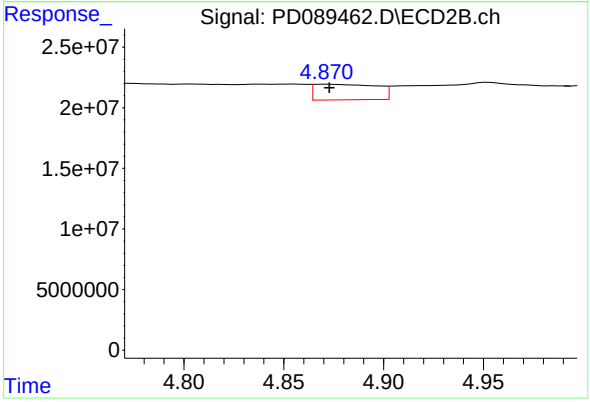
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 408558
Conc: 0.02 ng/ml



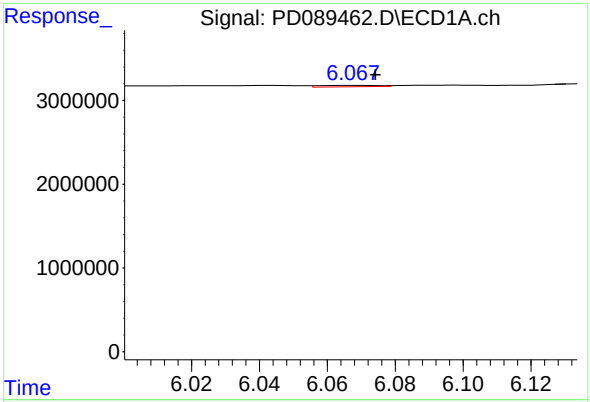
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.008 min
Response: 3156386
Conc: 0.65 ng/ml



#8 Heptachlor epoxide

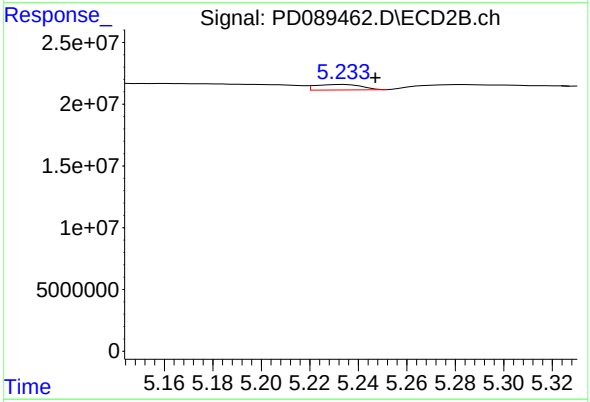
R.T.: 4.871 min
Delta R.T.: -0.001 min
Response: 28025274
Conc: 1.28 ng/ml



#9 Endosulfan I

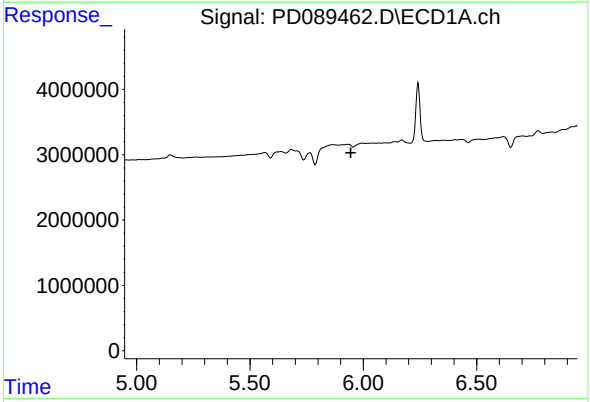
R.T.: 6.068 min
Delta R.T.: -0.006 min
Response: 210497
Conc: 0.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



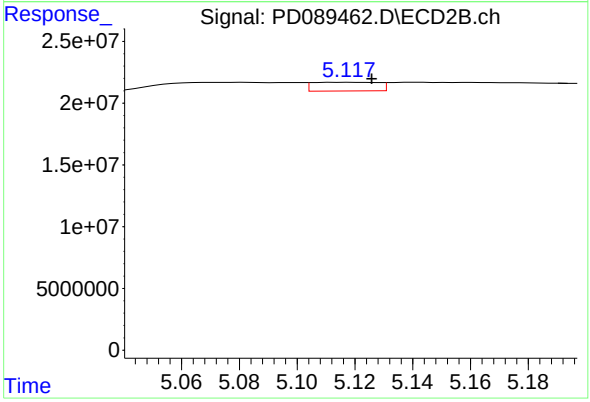
#9 Endosulfan I

R.T.: 5.234 min
Delta R.T.: -0.013 min
Response: 5938381
Conc: 0.28 ng/ml



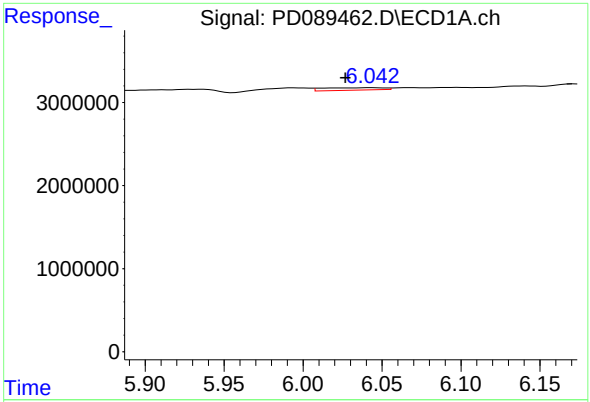
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.946 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

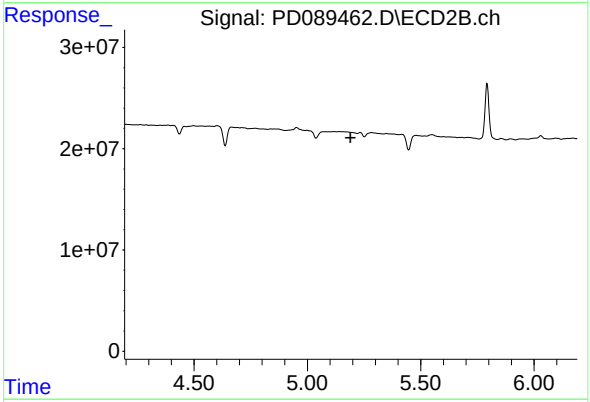
R.T.: 5.118 min
Delta R.T.: -0.008 min
Response: 11095686
Conc: 0.46 ng/ml



#11 alpha-Chlordane

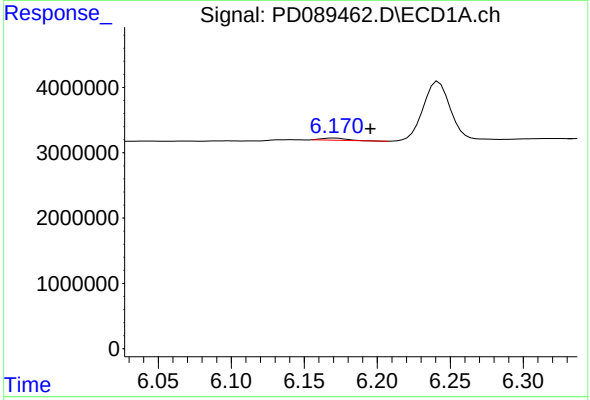
R.T.: 6.043 min
Delta R.T.: 0.016 min
Response: 796185
Conc: 0.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



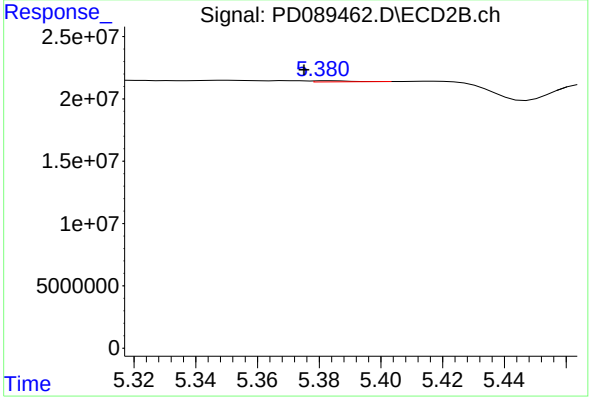
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.191 min
Response: 0
Conc: N.D.



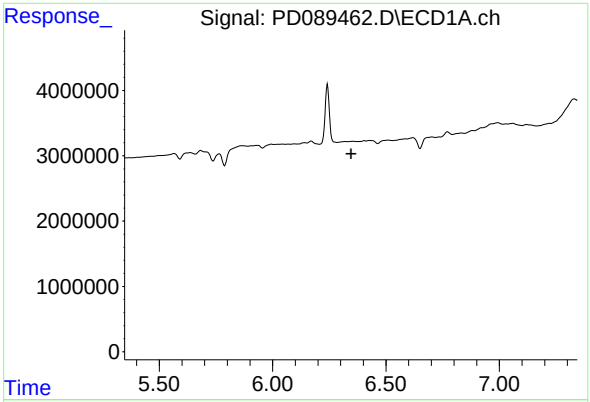
#12 4,4'-DDE

R.T.: 6.171 min
Delta R.T.: -0.024 min
Response: 401391
Conc: 0.09 ng/ml



#12 4,4'-DDE

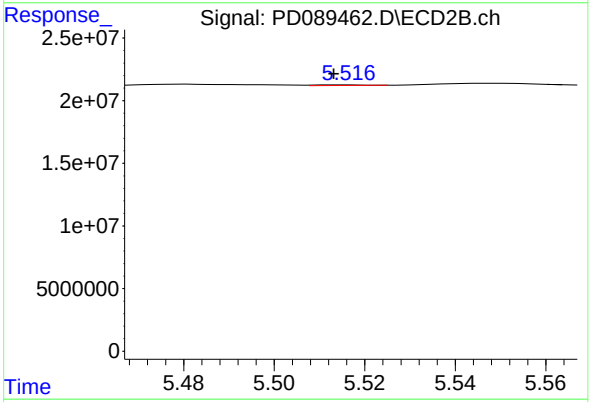
R.T.: 5.383 min
Delta R.T.: 0.008 min
Response: 728636
Conc: 0.03 ng/ml



#13 Dieldrin

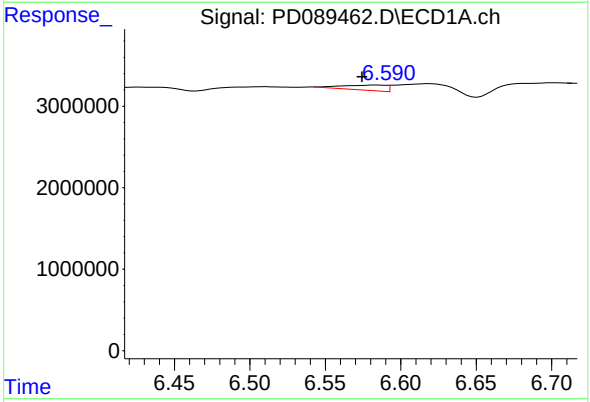
R.T.: 0.000 min
Exp R.T. : 6.347 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



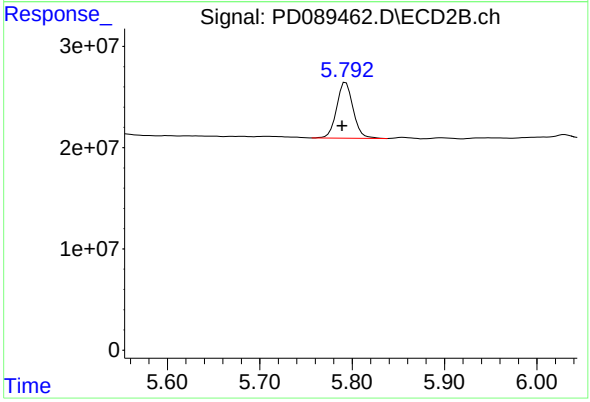
#13 Dieldrin

R.T.: 5.517 min
Delta R.T.: 0.004 min
Response: 311548
Conc: 0.01 ng/ml



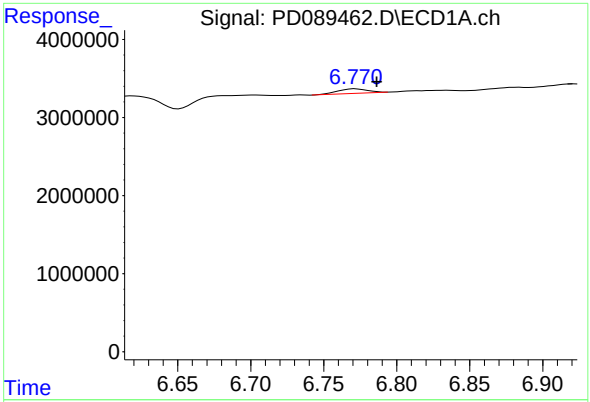
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.010 min
Response: 1289895
Conc: 0.31 ng/ml



#14 Endrin

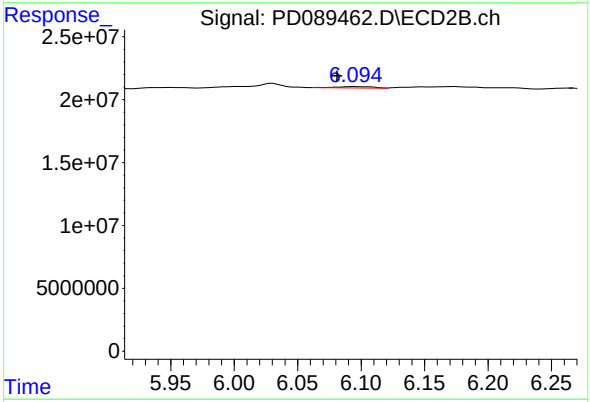
R.T.: 5.793 min
Delta R.T.: 0.004 min
Response: 68284859
Conc: 3.14 ng/ml



#15 Endosulfan II

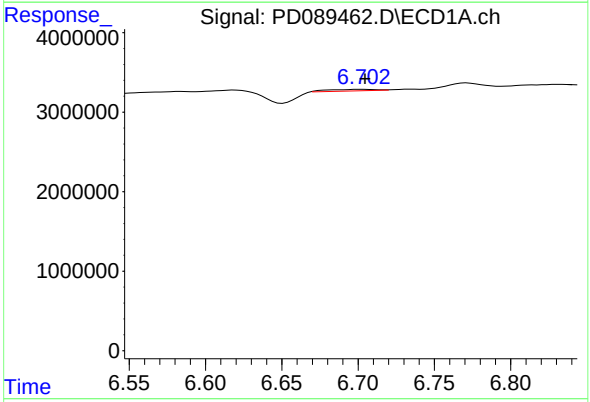
R.T.: 6.772 min
Delta R.T.: -0.015 min
Response: 835770
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



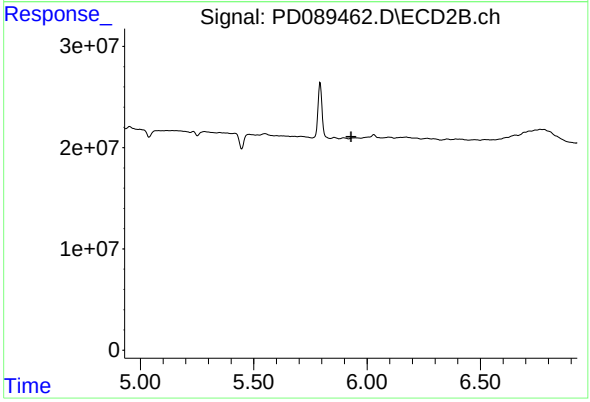
#15 Endosulfan II

R.T.: 6.095 min
Delta R.T.: 0.014 min
Response: 2001037
Conc: 0.10 ng/ml



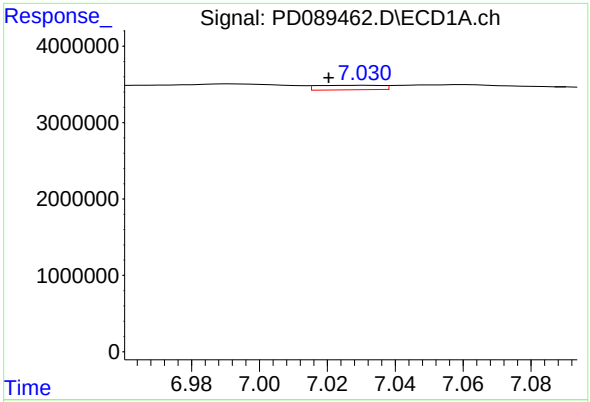
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.002 min
Response: 429496
Conc: 0.13 ng/ml



#16 4,4'-DDD

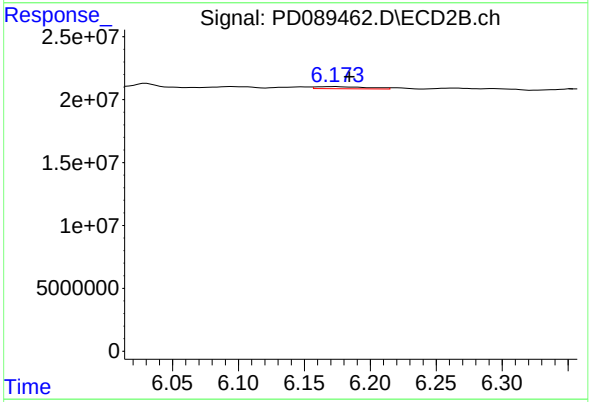
R.T.: 5.949 min
Delta R.T.: 0.019 min
Response: -582148
Conc: N.D.



#17 4,4'-DDT

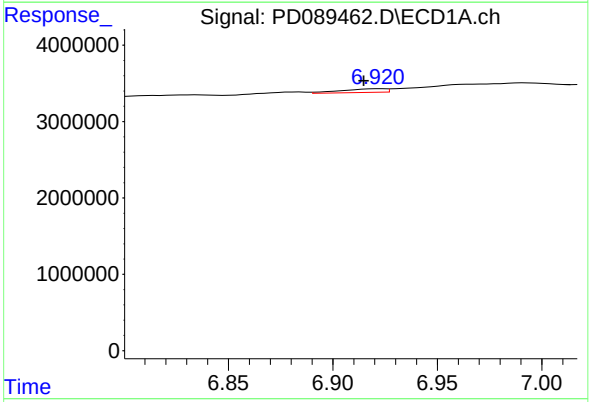
R.T.: 7.032 min
Delta R.T.: 0.011 min
Response: 783992
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



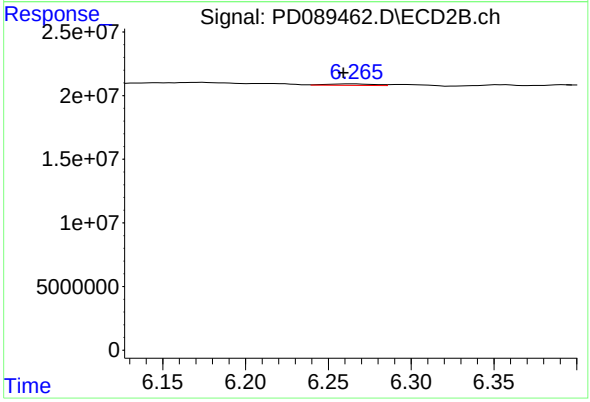
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.010 min
Response: 4579188
Conc: 0.23 ng/ml



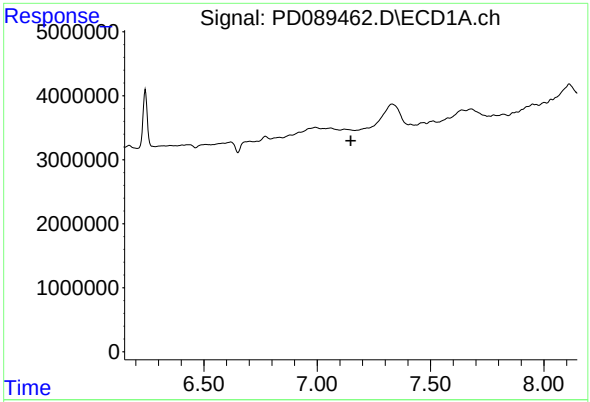
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.007 min
Response: 688809
Conc: 0.22 ng/ml



#18 Endrin aldehyde

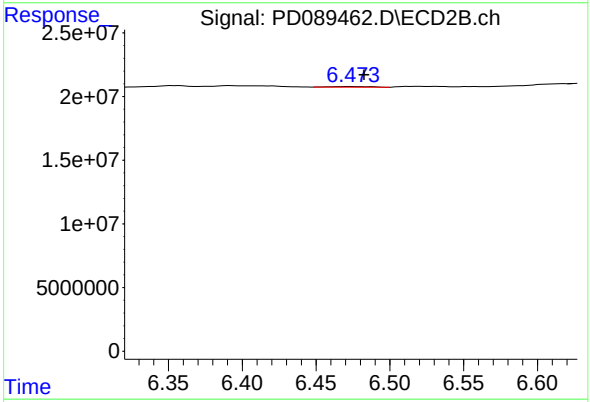
R.T.: 6.266 min
Delta R.T.: 0.007 min
Response: 2450527
Conc: 0.16 ng/ml



#19 Endosulfan Sulfate

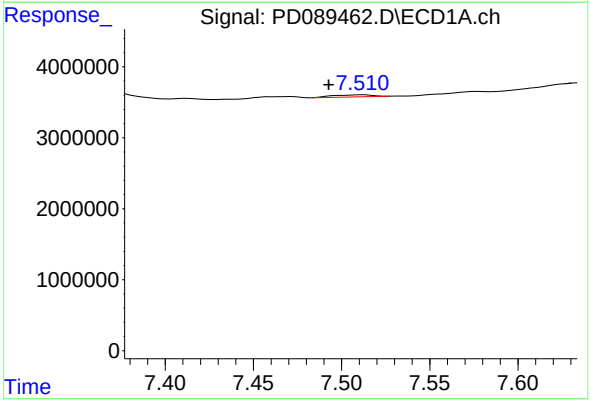
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
I.BLK



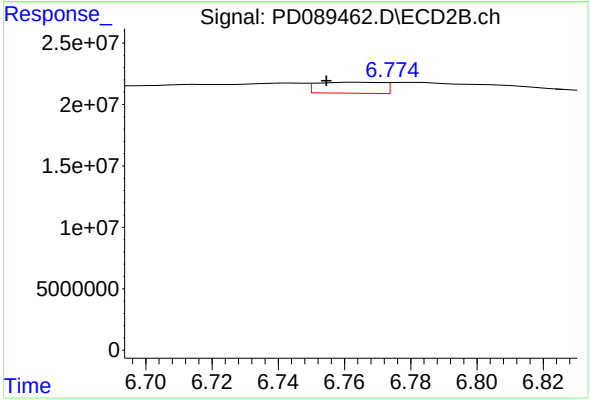
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: -0.008 min
Response: 1096271
Conc: 0.06 ng/ml



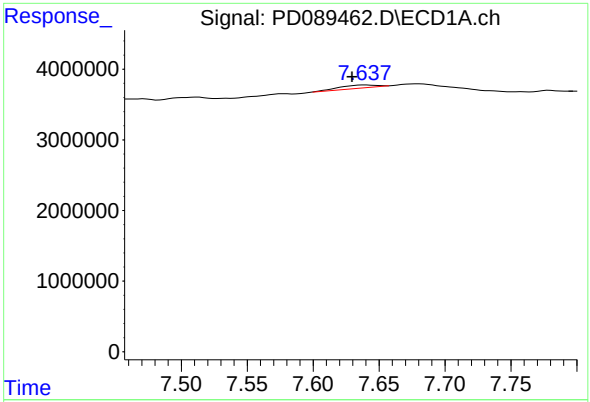
#20 Methoxychlor

R.T.: 7.512 min
Delta R.T.: 0.020 min
Response: 441718
Conc: 0.22 ng/ml



#20 Methoxychlor

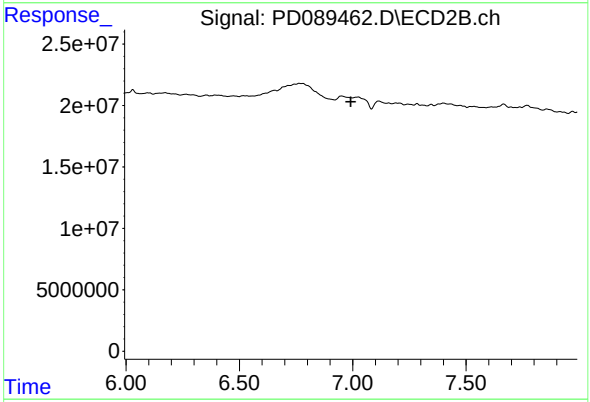
R.T.: 6.764 min
Delta R.T.: 0.009 min
Response: 12388317
Conc: 1.15 ng/ml



#21 Endrin ketone

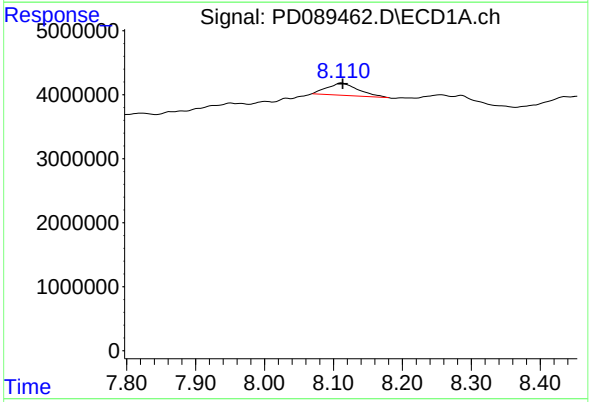
R.T.: 7.639 min
Delta R.T.: 0.010 min
Response: 885174
Conc: 0.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



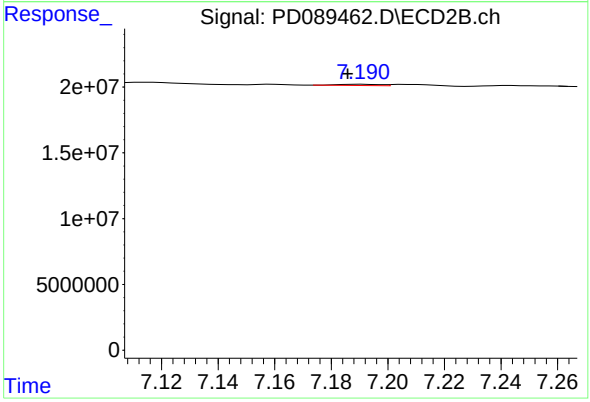
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.992 min
Response: 0
Conc: N.D.



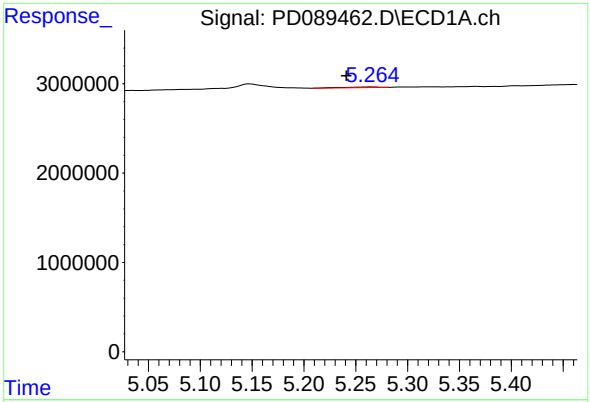
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 5897455
Conc: 1.94 ng/ml



#22 Mirex

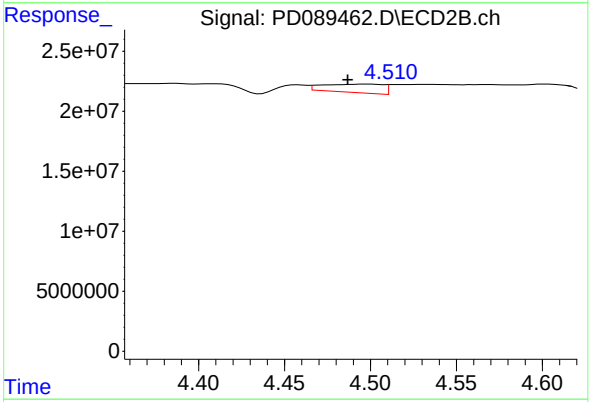
R.T.: 7.190 min
Delta R.T.: 0.004 min
Response: 1054616
Conc: 0.06 ng/ml



#24 Chlordane-2

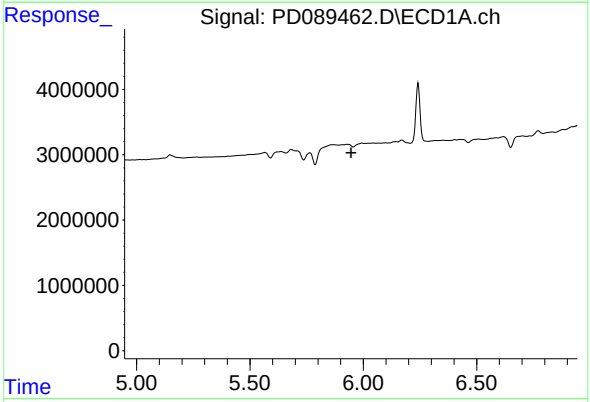
R.T.: 5.265 min
Delta R.T.: 0.024 min
Response: 198552
Conc: 0.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



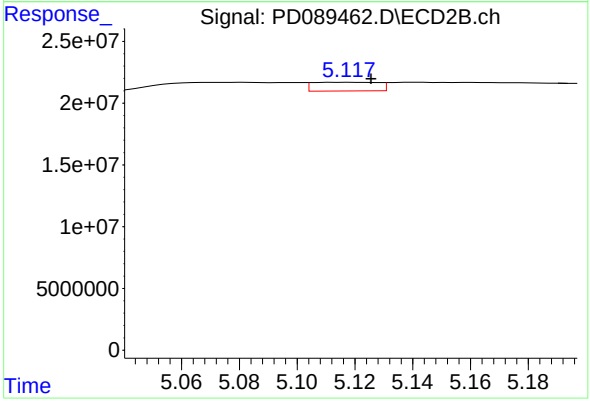
#24 Chlordane-2

R.T.: 4.498 min
Delta R.T.: 0.011 min
Response: 17138381
Conc: 18.01 ng/ml



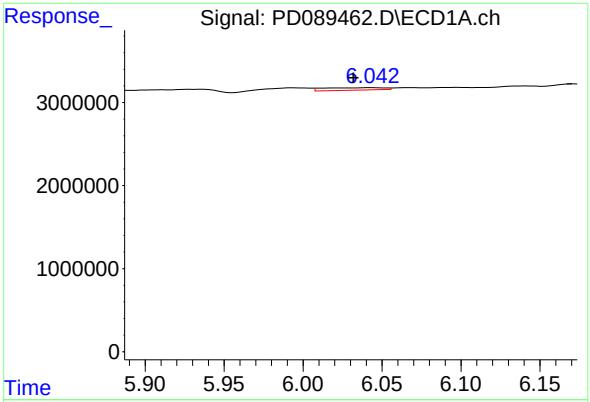
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.946 min
Response: 0
Conc: N.D.



#25 Chlordane-3

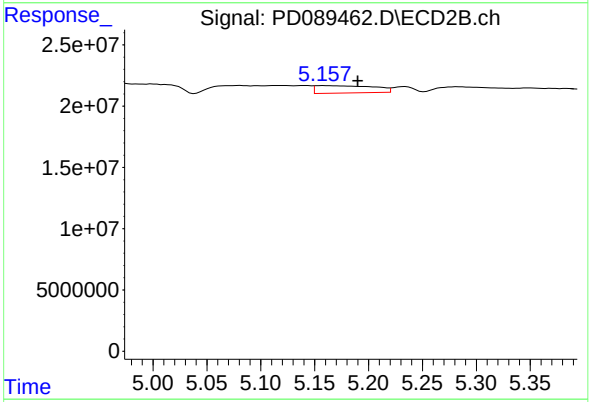
R.T.: 5.118 min
Delta R.T.: -0.007 min
Response: 11095686
Conc: 3.74 ng/ml



#26 Chlordane-4

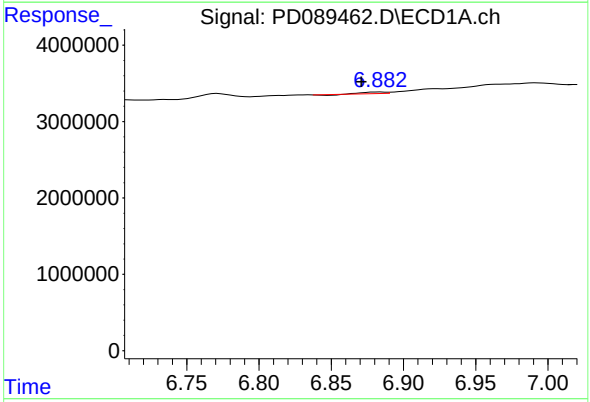
R.T.: 6.043 min
Delta R.T.: 0.011 min
Response: 796185
Conc: 0.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



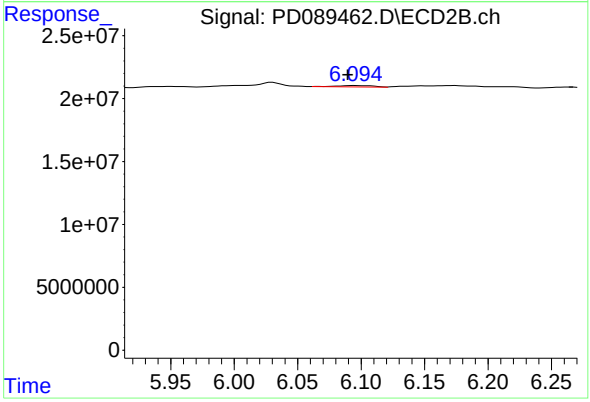
#26 Chlordane-4

R.T.: 5.159 min
Delta R.T.: -0.031 min
Response: 22713590
Conc: 9.06 ng/ml



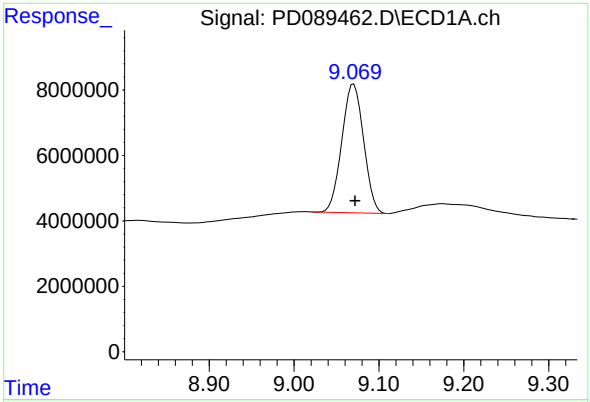
#27 Chlordane-5

R.T.: 6.883 min
Delta R.T.: 0.012 min
Response: 167341
Conc: 0.92 ng/ml



#27 Chlordane-5

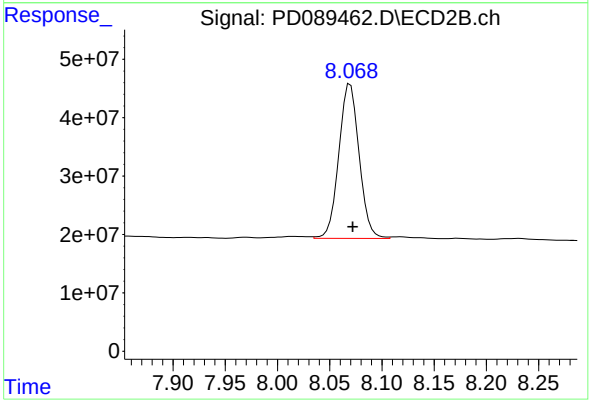
R.T.: 6.095 min
Delta R.T.: 0.005 min
Response: 2001037
Conc: 1.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 70177492
Conc: 17.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.003 min
Response: 357687528
Conc: 18.09 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:17
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: Jul 11 22:53:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.881	148.0E6	939.8E6	51.862	55.436	
28)	SA Decachlor...	9.071	8.070	178.9E6	861.4E6	45.558	43.570	
	Target Compounds							
2)	A alpha-BHC	3.999	3.392	304.2E6	1449.8E6	52.185	54.103	
3)	MA gamma-BHC...	4.329	3.729	287.1E6	1301.9E6	51.438	52.587	
4)	MA Heptachlor	4.928	4.081	272.7E6	1294.7E6	50.013	51.709	
5)	MB Aldrin	5.270	4.367	269.0E6	1292.5E6	50.640	53.370	
6)	B beta-BHC	4.515	4.024	109.1E6	562.4E6	49.426	52.332	
7)	B delta-BHC	4.764	4.261	276.0E6	1328.3E6	53.774	53.401	
8)	B Heptachlo...	5.689	4.871	240.1E6	1232.7E6	49.768	56.291	
9)	A Endosulfan I	6.073	5.245	218.4E6	1061.1E6	48.452	50.910	
10)	B gamma-Chl...	5.945	5.124	233.3E6	1296.7E6	48.718	54.202	
11)	B alpha-Chl...	6.026	5.188	233.8E6	1198.2E6	48.329	52.328	
12)	B 4,4'-DDE	6.194	5.373	207.7E6	1185.1E6	47.617	51.714	
13)	MA Dieldrin	6.346	5.511	232.6E6	1168.5E6	48.490	50.346	
14)	MA Endrin	6.573	5.788	194.0E6	1153.1E6	47.029	53.106	
15)	B Endosulfa...	6.785	6.078	194.8E6	1002.1E6	48.270	49.618	
16)	A 4,4'-DDD	6.704	5.928	168.4E6	964.0E6	49.080	50.394	
17)	MA 4,4'-DDT	7.019	6.181	171.4E6	954.0E6	45.259	47.042	
18)	B Endrin al...	6.914	6.256	142.4E6	729.4E6	46.481	47.637	
19)	B Endosulfa...	7.148	6.480	178.3E6	955.3E6	46.453	48.687	
20)	A Methoxychlor	7.492	6.752	83792400	472.8E6	41.469	43.909	
21)	B Endrin ke...	7.629	6.989	184.2E6	995.0E6	45.216	46.060	
22)	Mirex	8.112	7.183	130.5E6	733.3E6	42.926	43.969	
23)	Chlordane-1	0.000	3.900	0	439054	N.D.	0.471	#
24)	Chlordane-2	5.270f	4.505	269.0E6	41865720	1232.395	43.994	#
25)	Chlordane-3	5.945	5.124	233.3E6	1296.7E6	270.461	436.556	#
26)	Chlordane-4	6.026	5.188	233.8E6	1198.2E6	222.555	477.977	#
27)	Chlordane-5	0.000	6.078	0	1002.1E6	N.D.	885.521	#

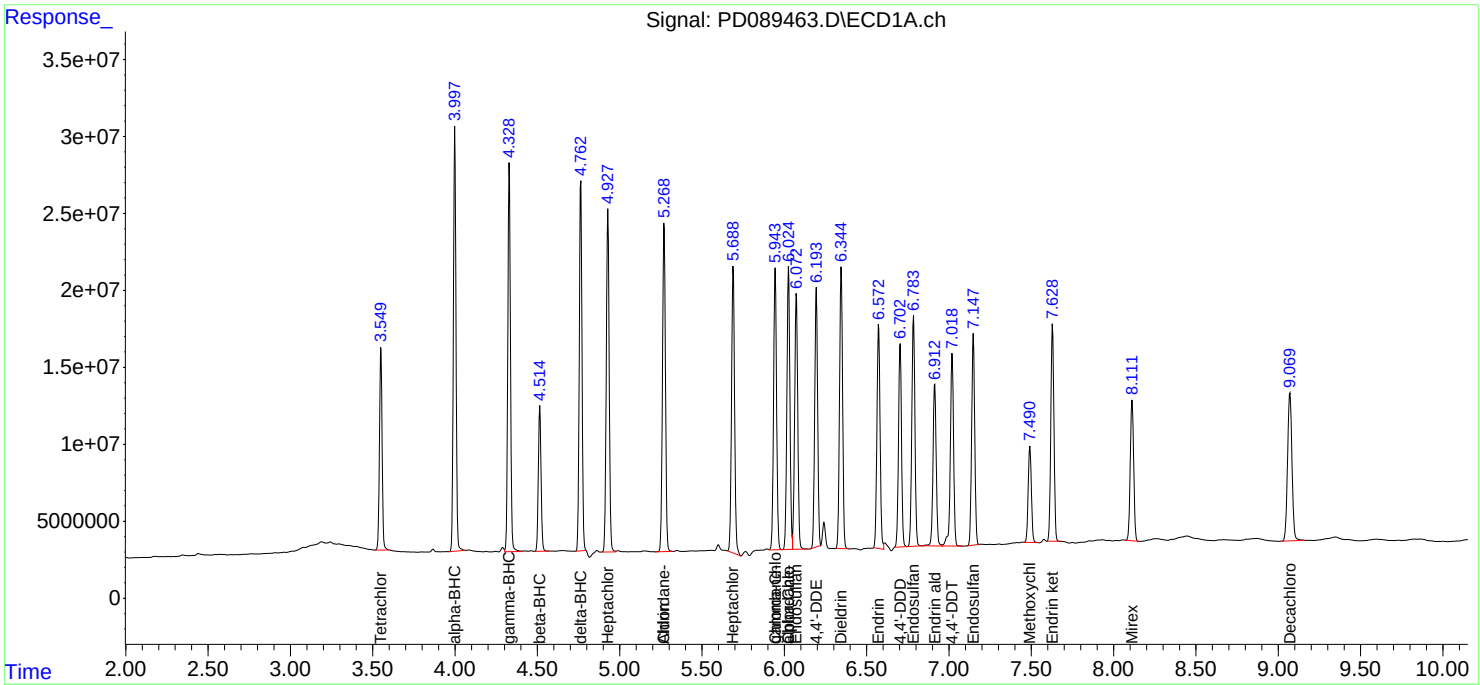
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

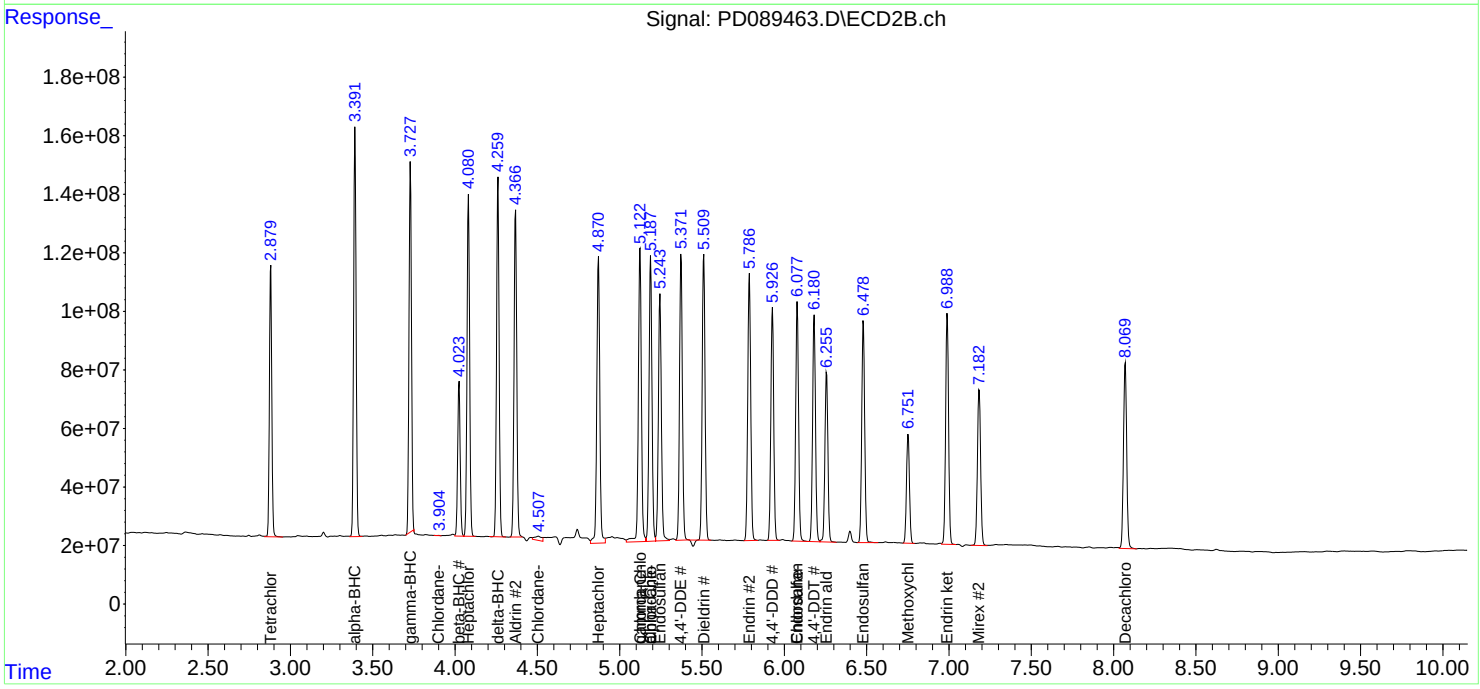
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

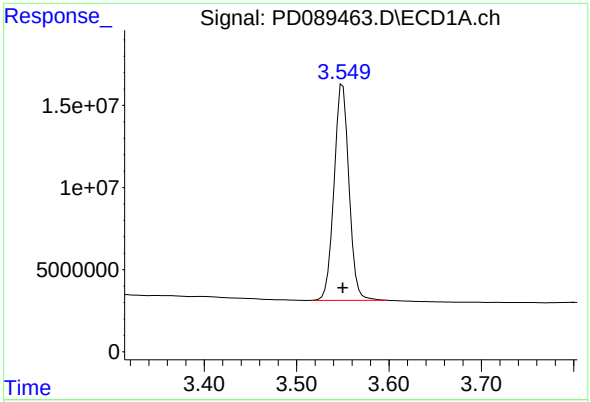
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:53:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



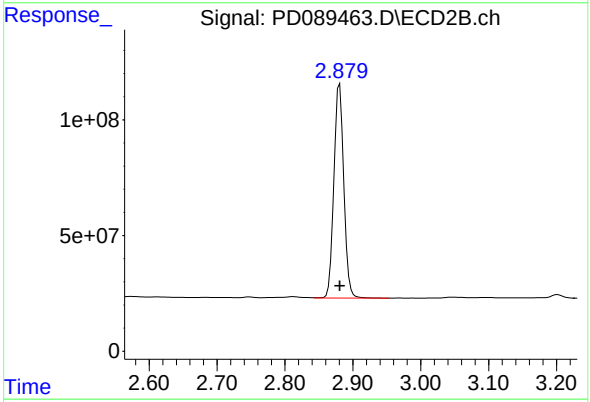




#1 Tetrachloro-m-xylene

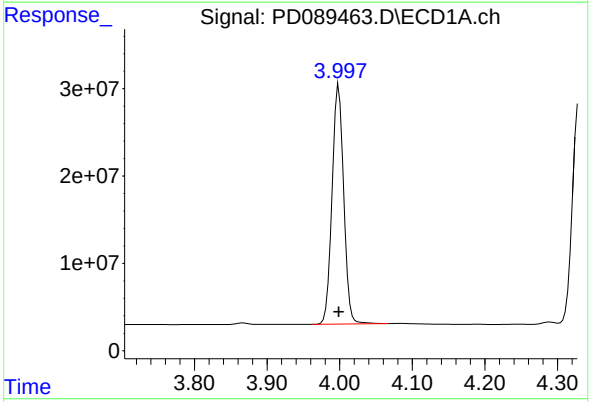
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 147968170
Conc: 51.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



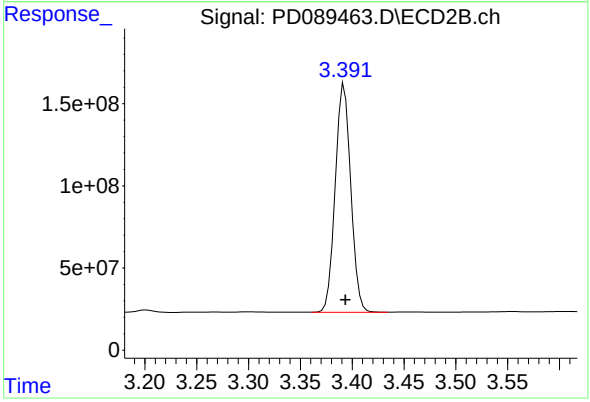
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 939816648
Conc: 55.44 ng/ml



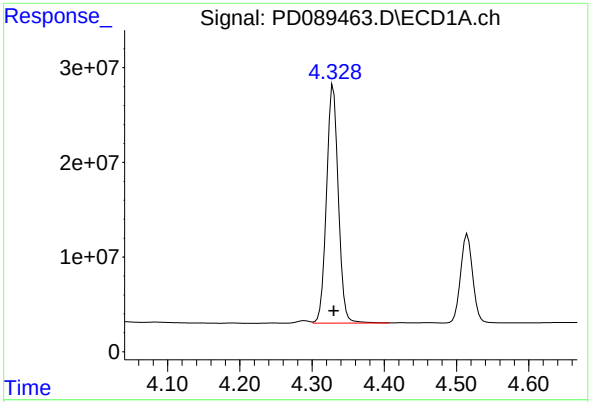
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 304192897
Conc: 52.19 ng/ml



#2 alpha-BHC

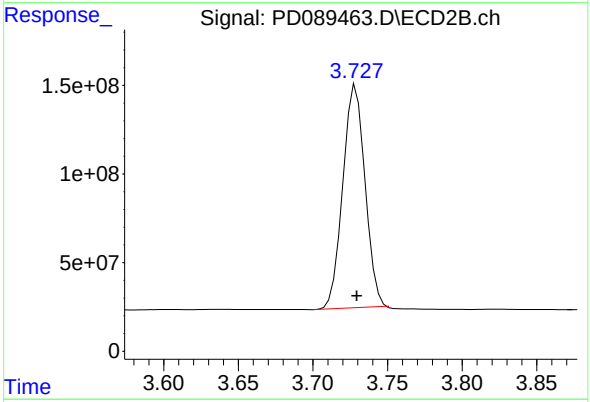
R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 1449791528
Conc: 54.10 ng/ml



#3 gamma-BHC (Lindane)

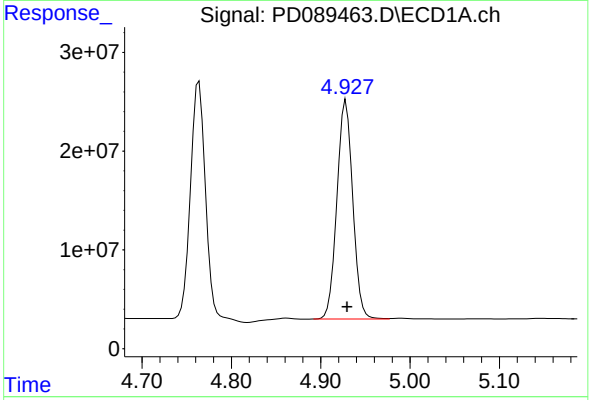
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 287113227
Conc: 51.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



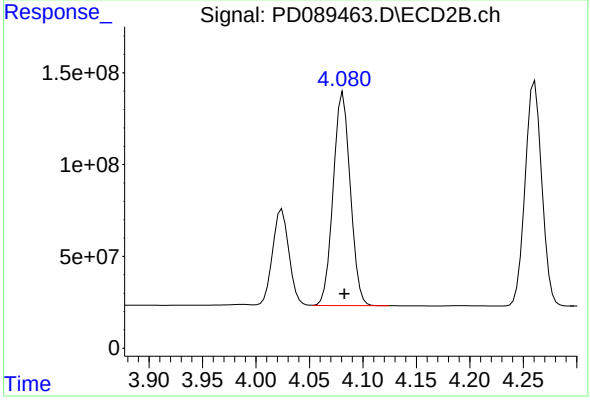
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1301903750
Conc: 52.59 ng/ml



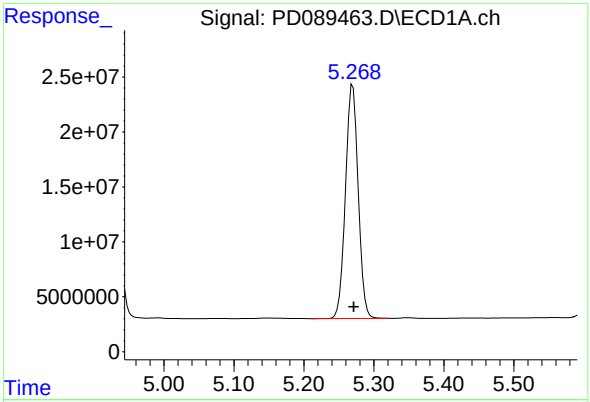
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 272666654
Conc: 50.01 ng/ml



#4 Heptachlor

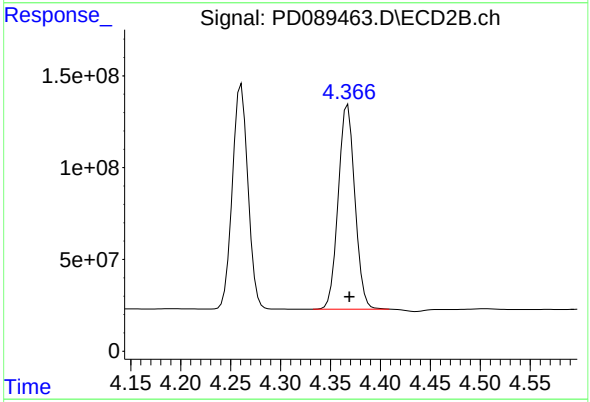
R.T.: 4.081 min
Delta R.T.: -0.001 min
Response: 1294702074
Conc: 51.71 ng/ml



#5 Aldrin

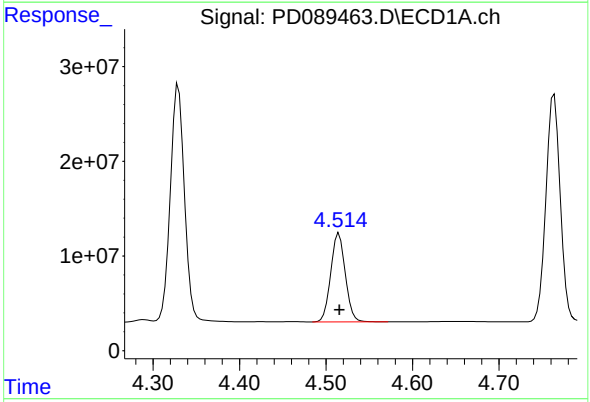
R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 269048768
Conc: 50.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



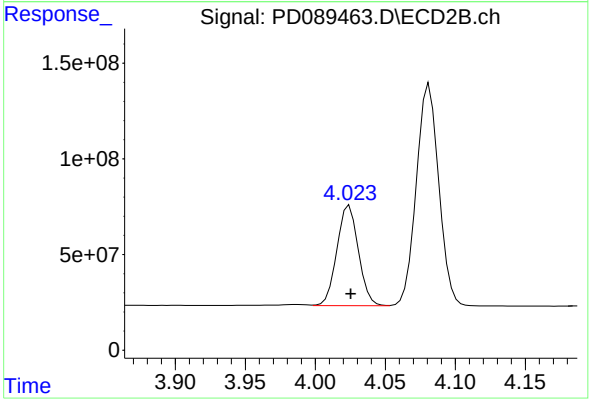
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.001 min
Response: 1292477412
Conc: 53.37 ng/ml



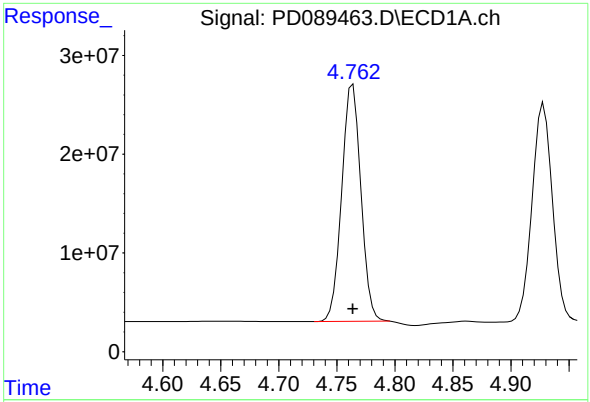
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 109090634
Conc: 49.43 ng/ml



#6 beta-BHC

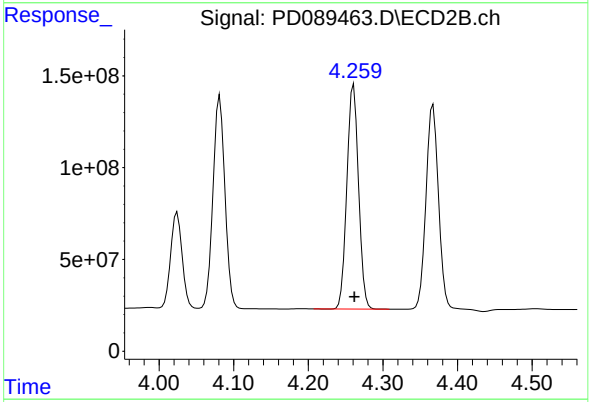
R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 562372417
Conc: 52.33 ng/ml



#7 delta-BHC

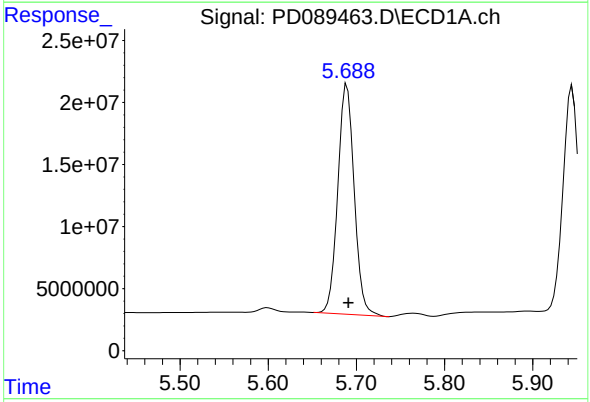
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 276016019
Conc: 53.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



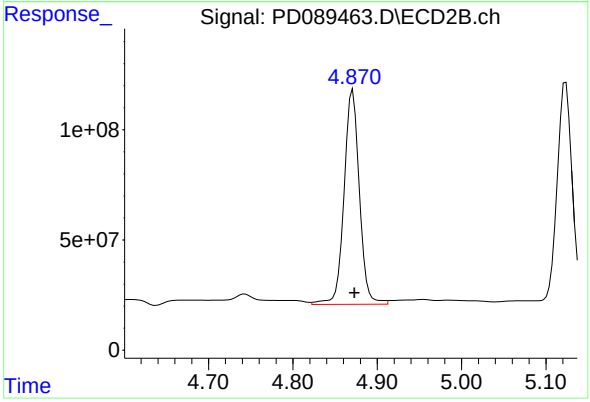
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1328265827
Conc: 53.40 ng/ml



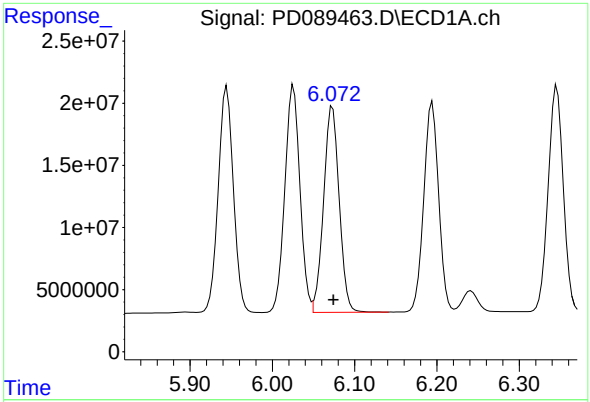
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.001 min
Response: 240075429
Conc: 49.77 ng/ml



#8 Heptachlor epoxide

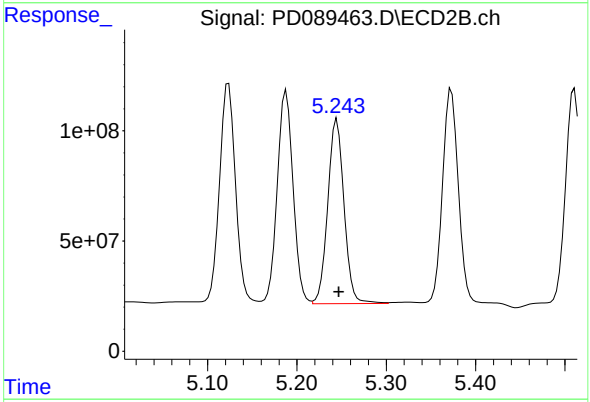
R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1232654489
Conc: 56.29 ng/ml



#9 Endosulfan I

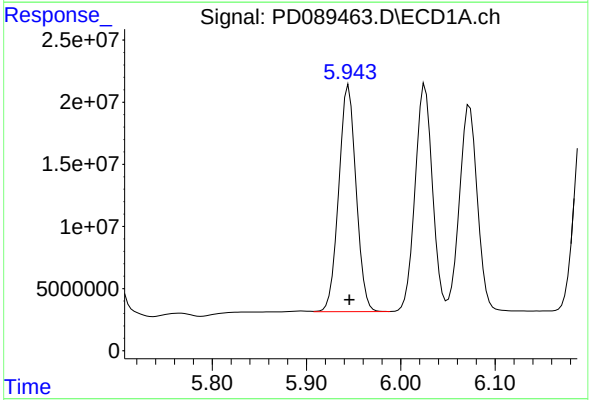
R.T.: 6.073 min
Delta R.T.: -0.001 min
Response: 218396827
Conc: 48.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



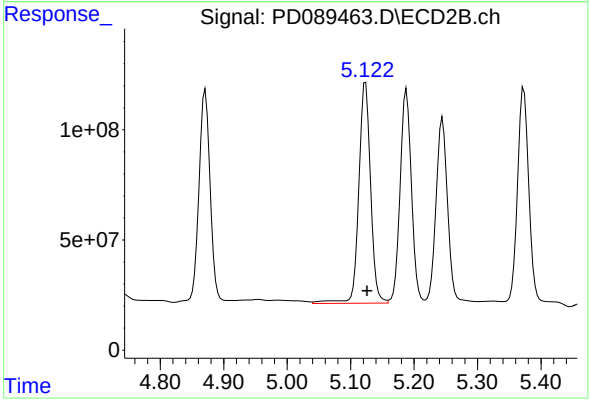
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1061089304
Conc: 50.91 ng/ml



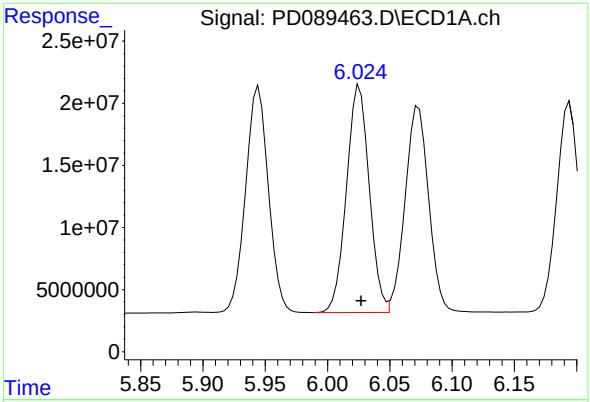
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 233267748
Conc: 48.72 ng/ml



#10 gamma-Chlordane

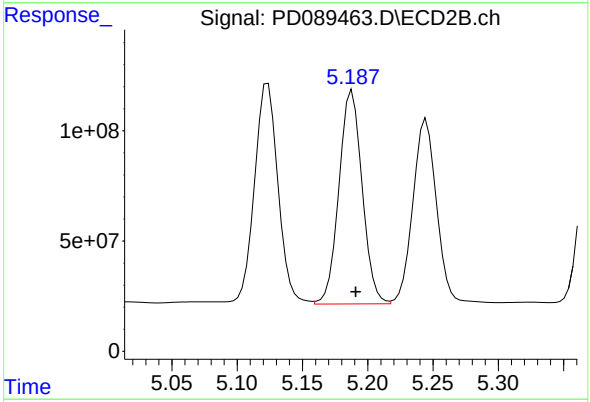
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1296658099
Conc: 54.20 ng/ml



#11 alpha-Chlordane

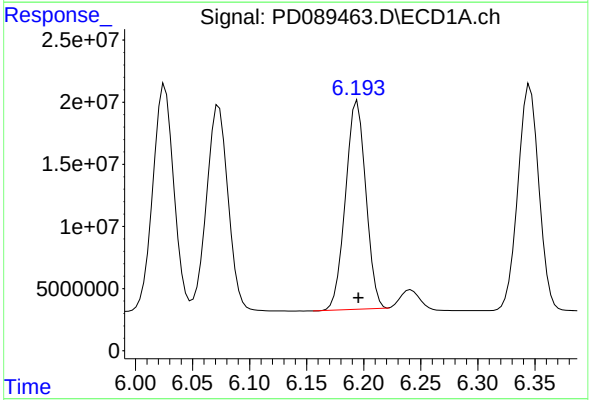
R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 233840521
Conc: 48.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



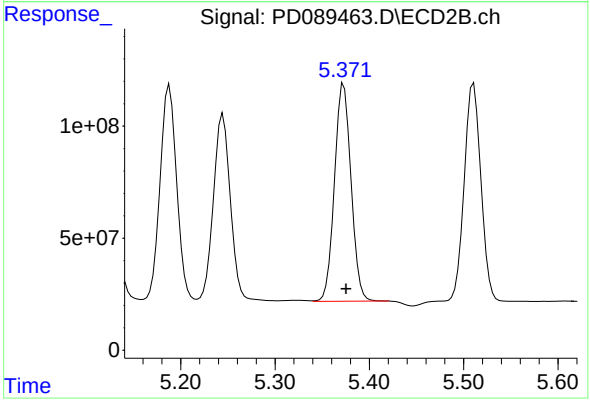
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1198154633
Conc: 52.33 ng/ml



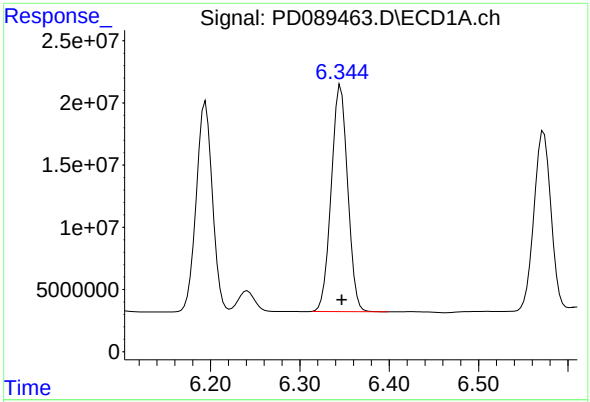
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 207660980
Conc: 47.62 ng/ml



#12 4,4'-DDE

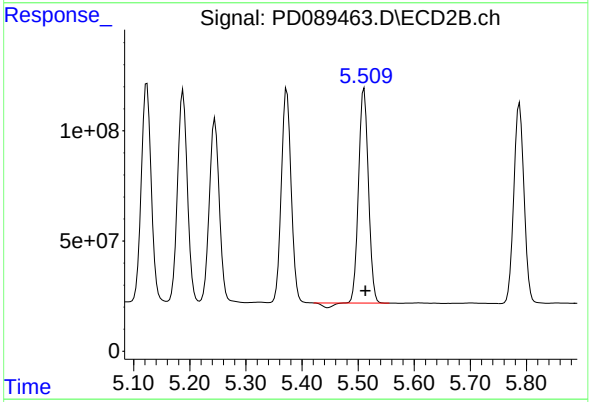
R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1185083266
Conc: 51.71 ng/ml



#13 Dieldrin

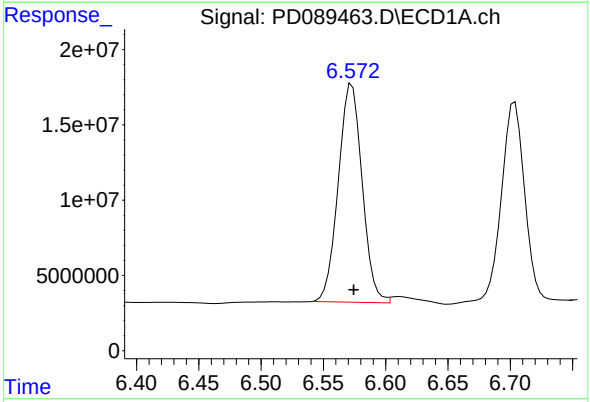
R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 232627483
Conc: 48.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



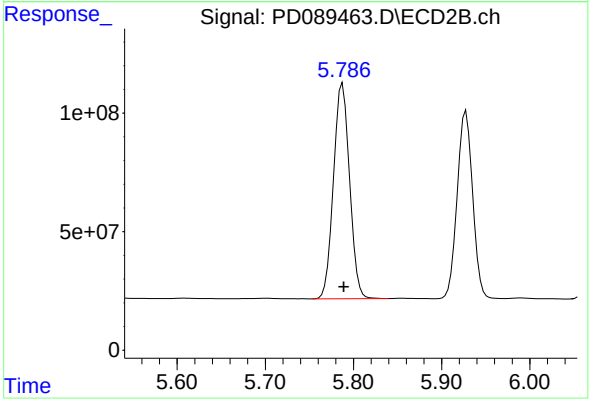
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1168456525
Conc: 50.35 ng/ml



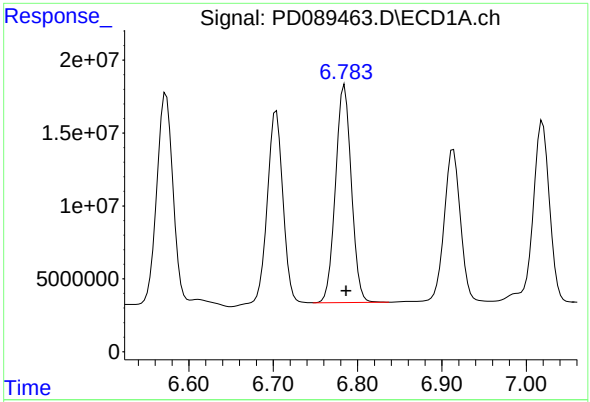
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 194020952
Conc: 47.03 ng/ml



#14 Endrin

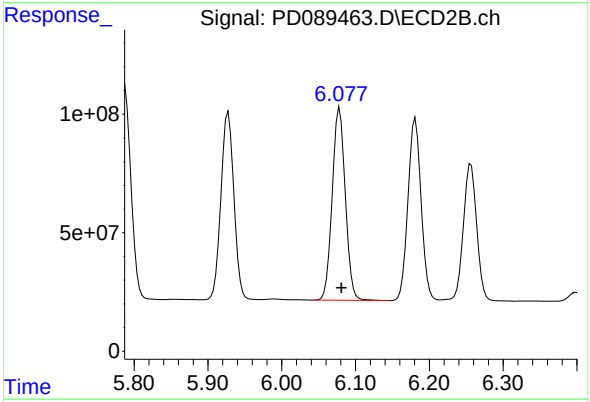
R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1153144335
Conc: 53.11 ng/ml



#15 Endosulfan II

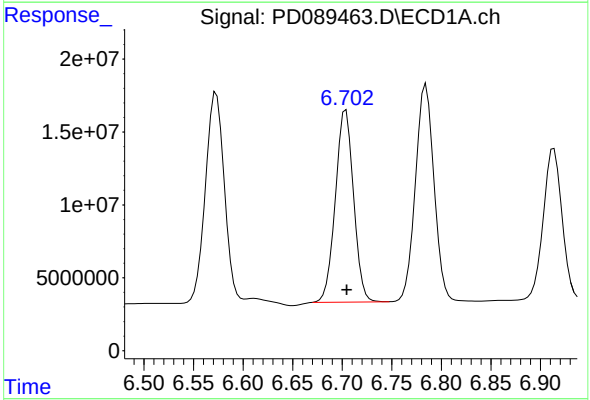
R.T.: 6.785 min
Delta R.T.: -0.002 min
Response: 194846598
Conc: 48.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



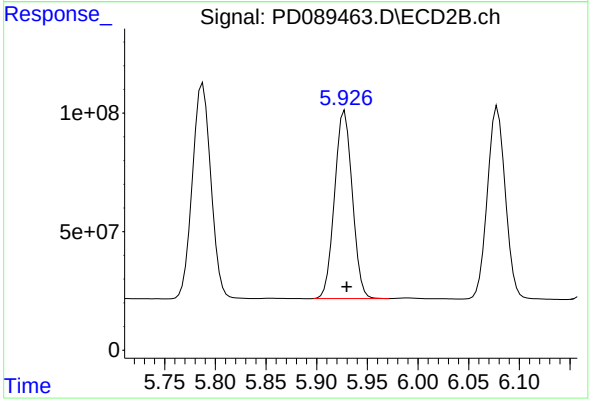
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 1002109512
Conc: 49.62 ng/ml



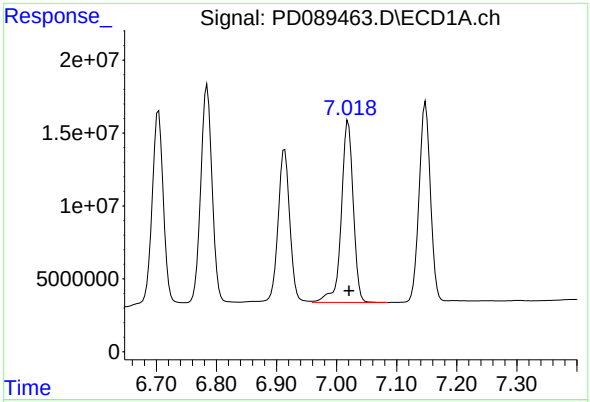
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 168446420
Conc: 49.08 ng/ml



#16 4,4'-DDD

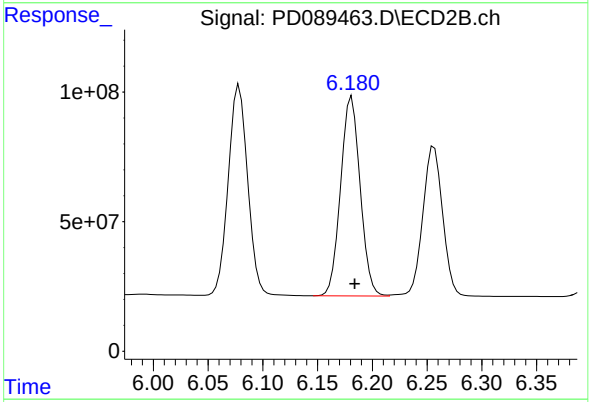
R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 964007925
Conc: 50.39 ng/ml



#17 4,4'-DDT

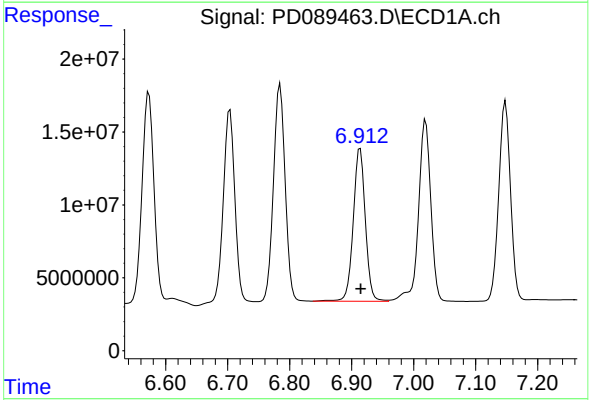
R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 171449544
Conc: 45.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



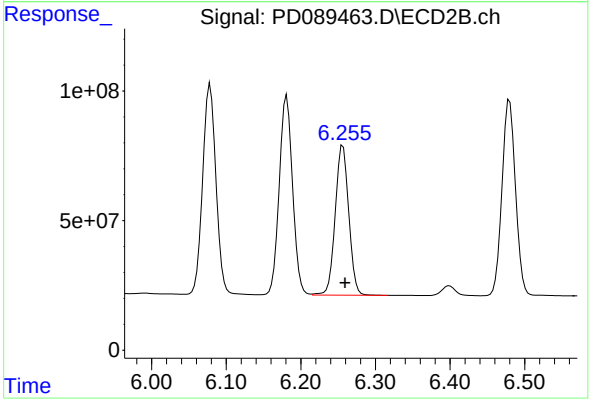
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 953971563
Conc: 47.04 ng/ml



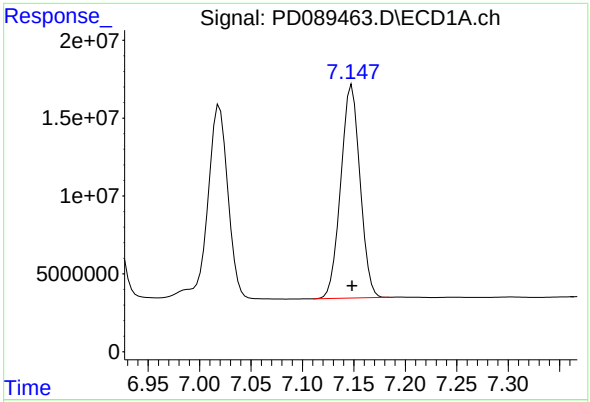
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.001 min
Response: 142415878
Conc: 46.48 ng/ml



#18 Endrin aldehyde

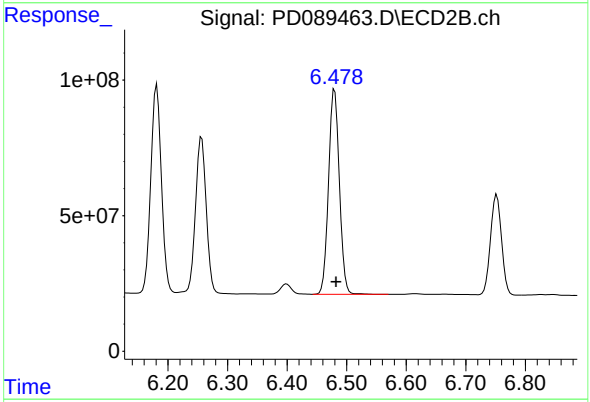
R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 729382715
Conc: 47.64 ng/ml



#19 Endosulfan Sulfate

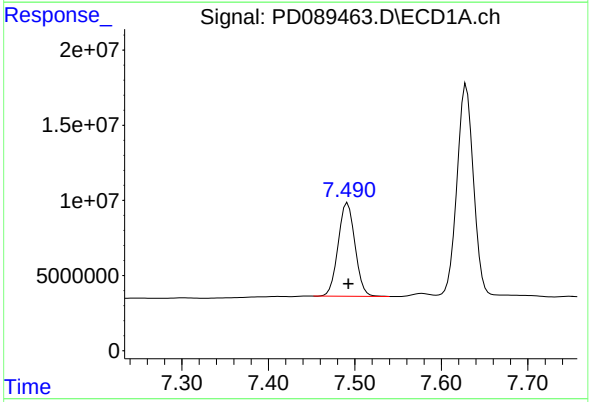
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 178250109
Conc: 46.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



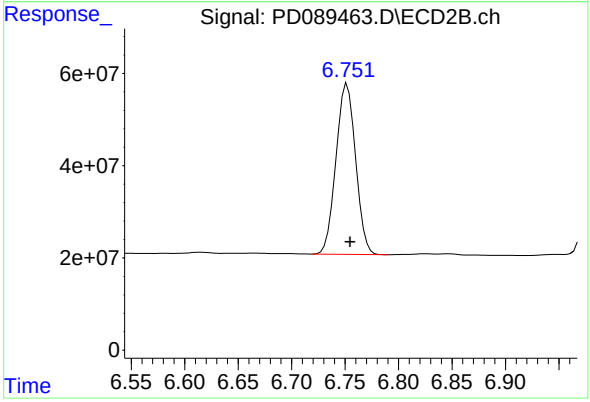
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.003 min
Response: 955294533
Conc: 48.69 ng/ml



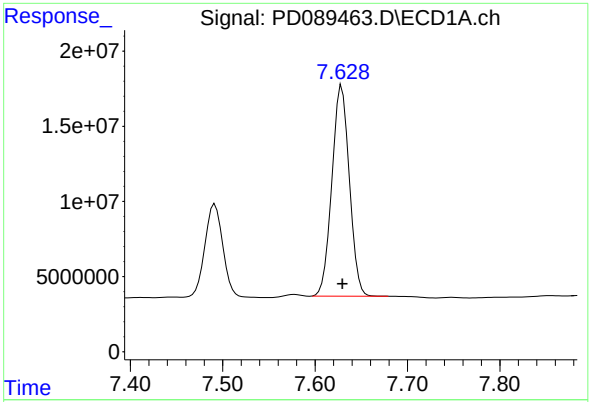
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.001 min
Response: 83792400
Conc: 41.47 ng/ml



#20 Methoxychlor

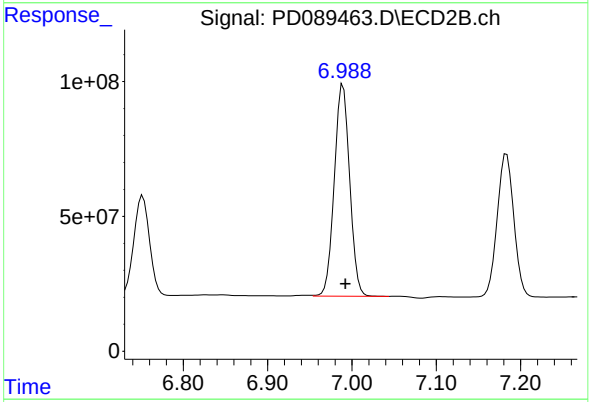
R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 472815496
Conc: 43.91 ng/ml



#21 Endrin ketone

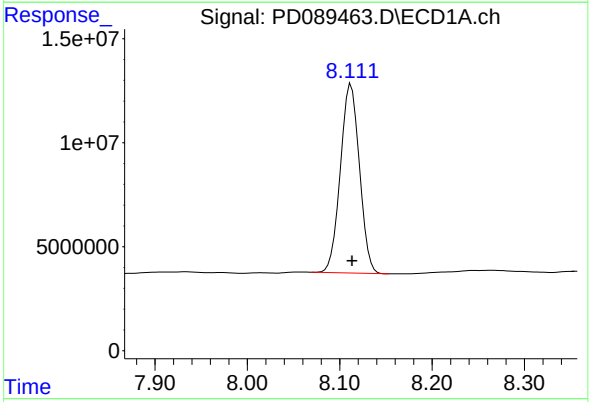
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 184166850
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



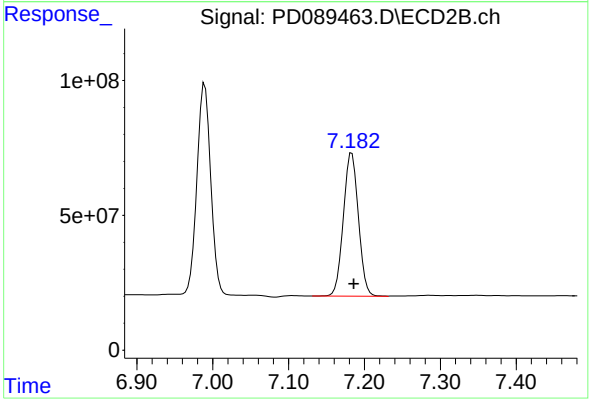
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 994985950
Conc: 46.06 ng/ml



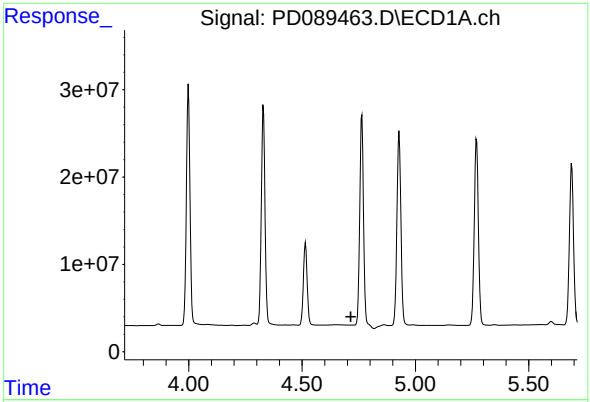
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.001 min
Response: 130502384
Conc: 42.93 ng/ml



#22 Mirex

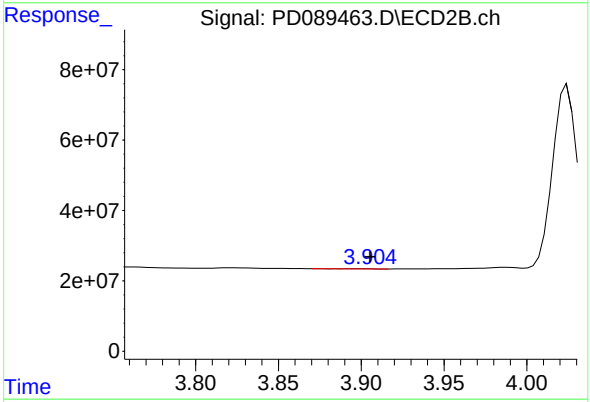
R.T.: 7.183 min
Delta R.T.: -0.002 min
Response: 733326756
Conc: 43.97 ng/ml



#23 Chlordane-1

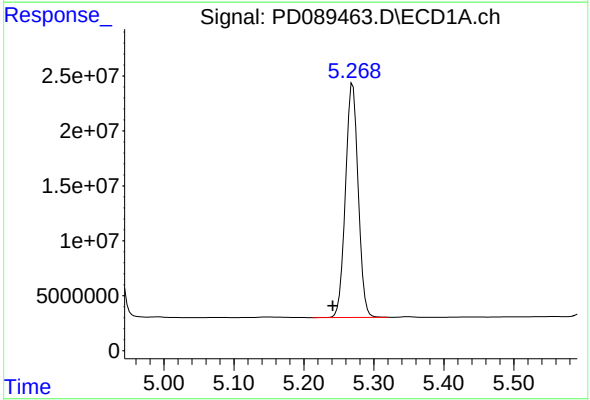
R.T.: 0.000 min
Exp R.T. : 4.715 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



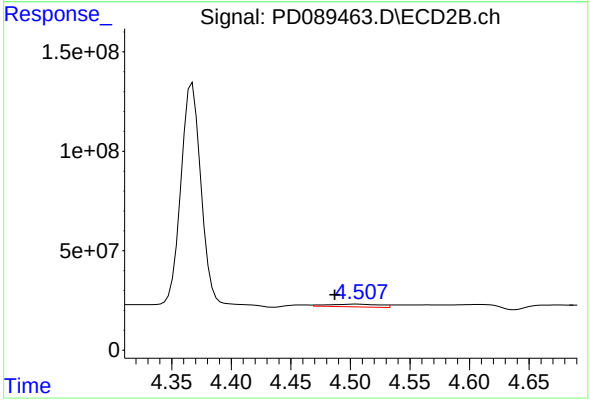
#23 Chlordane-1

R.T.: 3.900 min
Delta R.T.: -0.006 min
Response: 439054
Conc: 0.47 ng/ml



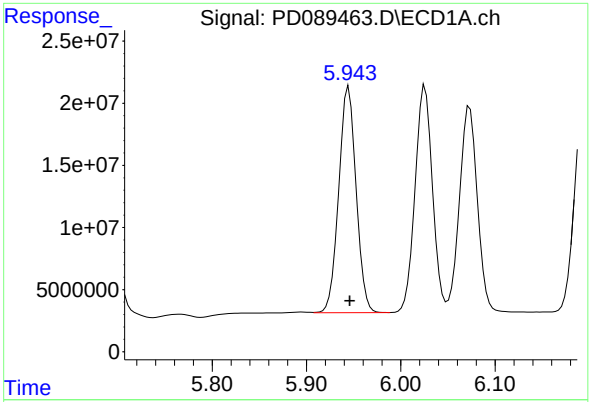
#24 Chlordane-2

R.T.: 5.270 min
Delta R.T.: 0.029 min
Response: 269048768
Conc: 1232.40 ng/ml



#24 Chlordane-2

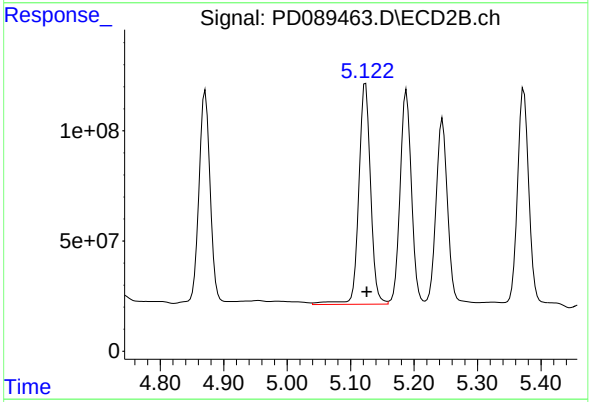
R.T.: 4.505 min
Delta R.T.: 0.018 min
Response: 41865720
Conc: 43.99 ng/ml



#25 Chlordane-3

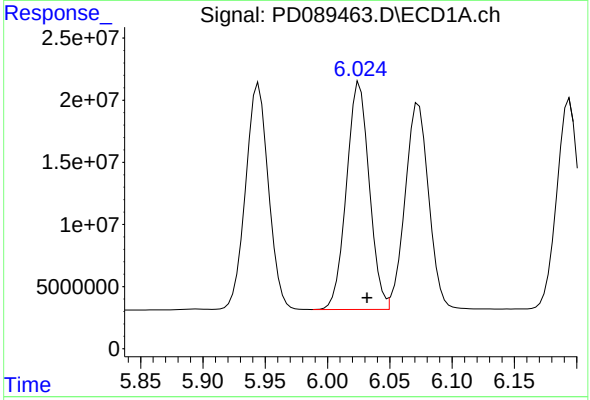
R.T.: 5.945 min
Delta R.T.: -0.001 min
Response: 233267748
Conc: 270.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



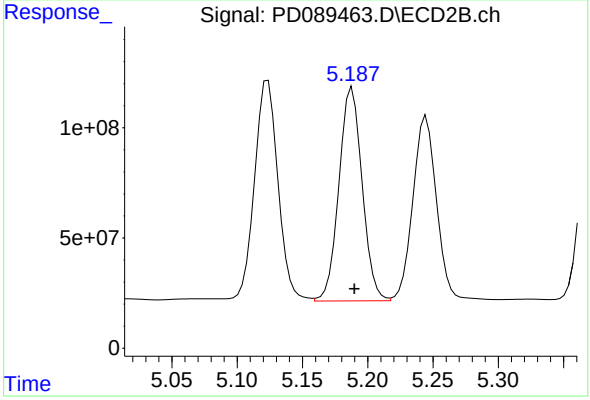
#25 Chlordane-3

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1296658099
Conc: 436.56 ng/ml



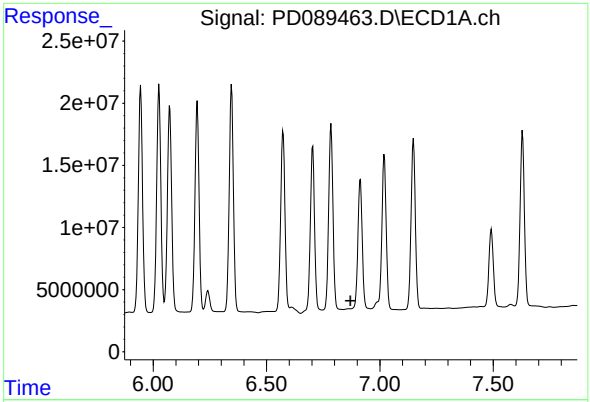
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 233840521
Conc: 222.56 ng/ml



#26 Chlordane-4

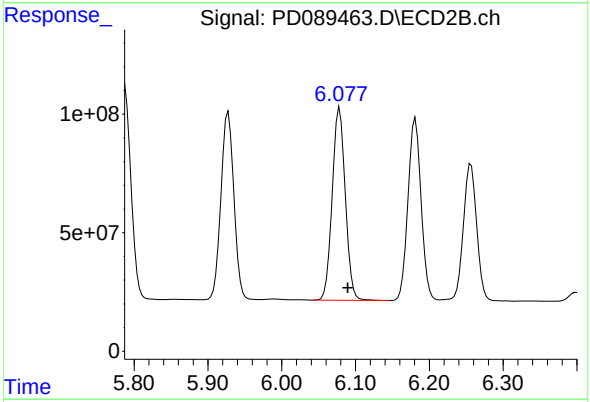
R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1198154633
Conc: 477.98 ng/ml



#27 Chlordane-5

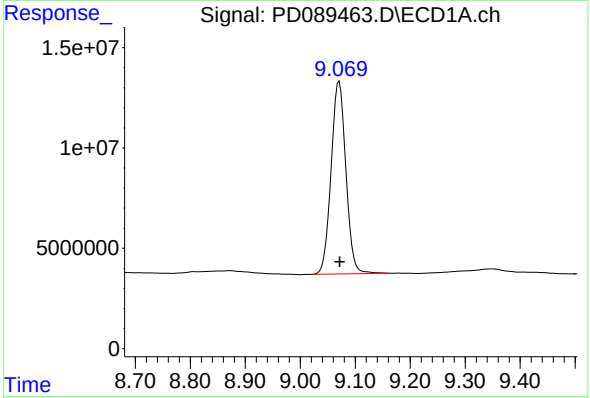
R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



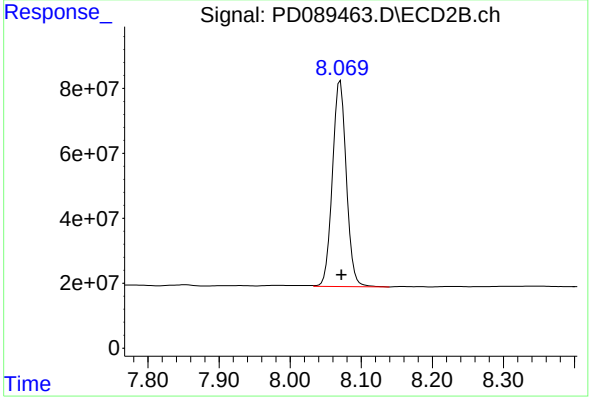
#27 Chlordane-5

R.T.: 6.078 min
Delta R.T.: -0.011 min
Response: 1002109512
Conc: 885.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 178936691
Conc: 45.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 861370503
Conc: 43.57 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 10:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.879	60873171	399.4E6	21.336	23.561	
28)	SA Decachlor...	9.074	8.070	80625579	421.1E6	20.528	21.301	
	Target Compounds							
2)	A alpha-BHC	4.003	3.392	57794010	339.6E6	9.915	12.674	#
3)	MA gamma-BHC...	4.334	3.728	58276717	297.3E6	10.441	12.010	
4)	MA Heptachlor	0.000	4.081	0	1485032	N.D.	0.059	#
5)	MB Aldrin	0.000	4.363	0	1349761	N.D.	0.056	#
6)	B beta-BHC	4.519	4.024	24755956	131.5E6	11.216	12.240	
7)	B delta-BHC	4.766	4.261	742173	361475	0.145	0.015	#
8)	B Heptachlo...	5.684	4.868	2509777	19846430	0.520	0.906	#
9)	A Endosulfan I	0.000	5.227f	0	5896452	N.D.	0.283	#
10)	B gamma-Chl...	5.945	5.125	436777	32011570	0.091	1.338	#
11)	B alpha-Chl...	6.035	5.188	1157555	15341518	0.239	0.670	#
12)	B 4,4'-DDE	6.199	5.374	396394	4589258	0.091	0.200	#
13)	MA Dieldrin	6.370f	5.497f	1190894	1511657	0.248	0.065	#
14)	MA Endrin	6.577	5.788	210.0E6	1127.7E6	50.903	51.935	
15)	B Endosulfa...	6.774	6.086	703288	7400608	0.174	0.366	#
16)	A 4,4'-DDD	6.707	5.928	13527469	83196662	3.942	4.349	
17)	MA 4,4'-DDT	7.024	6.182	369.2E6	1988.7E6	97.472	98.063	
18)	B Endrin al...	6.918	6.256	1728866	19323535	0.564	1.262	#
19)	B Endosulfa...	0.000	6.460f	0	1743461	N.D.	0.089	#
20)	A Methoxychlor	7.496	6.753	442.2E6	2037.7E6	218.840	189.231	
21)	B Endrin ke...	7.632	6.989	6713465	75188869	1.648	3.481	#
22)	Mirex	8.116	7.176	61561	15303478	0.020	0.918	#
23)	Chlordane-1	0.000	3.900	0	1214483	N.D.	1.303	#
24)	Chlordane-2	0.000	4.489	0	16052474	N.D.	16.869	#
25)	Chlordane-3	5.945	5.125	436777	32011570	0.506	10.778	#
26)	Chlordane-4	6.035	5.188	1157555	15341518	1.102	6.120	#
27)	Chlordane-5	6.874	6.086	16611	7400608	0.091	6.540	#

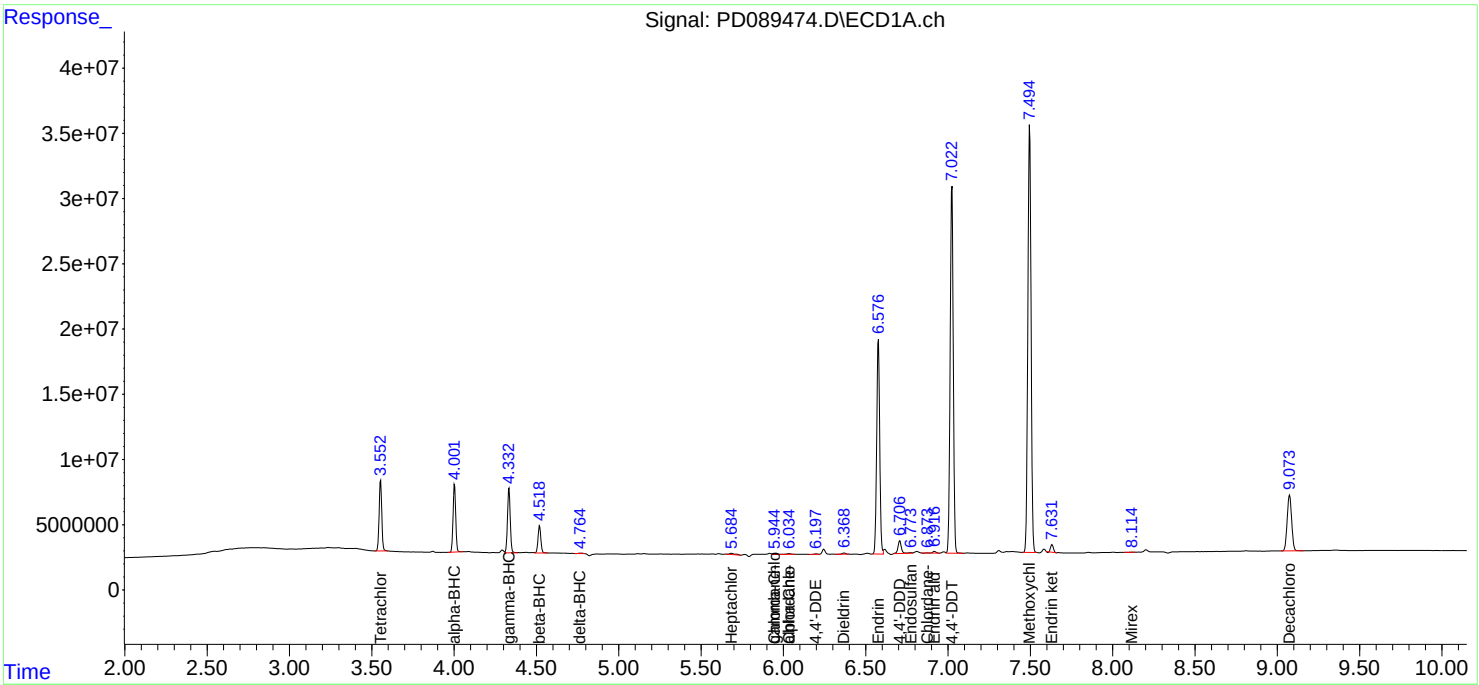
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

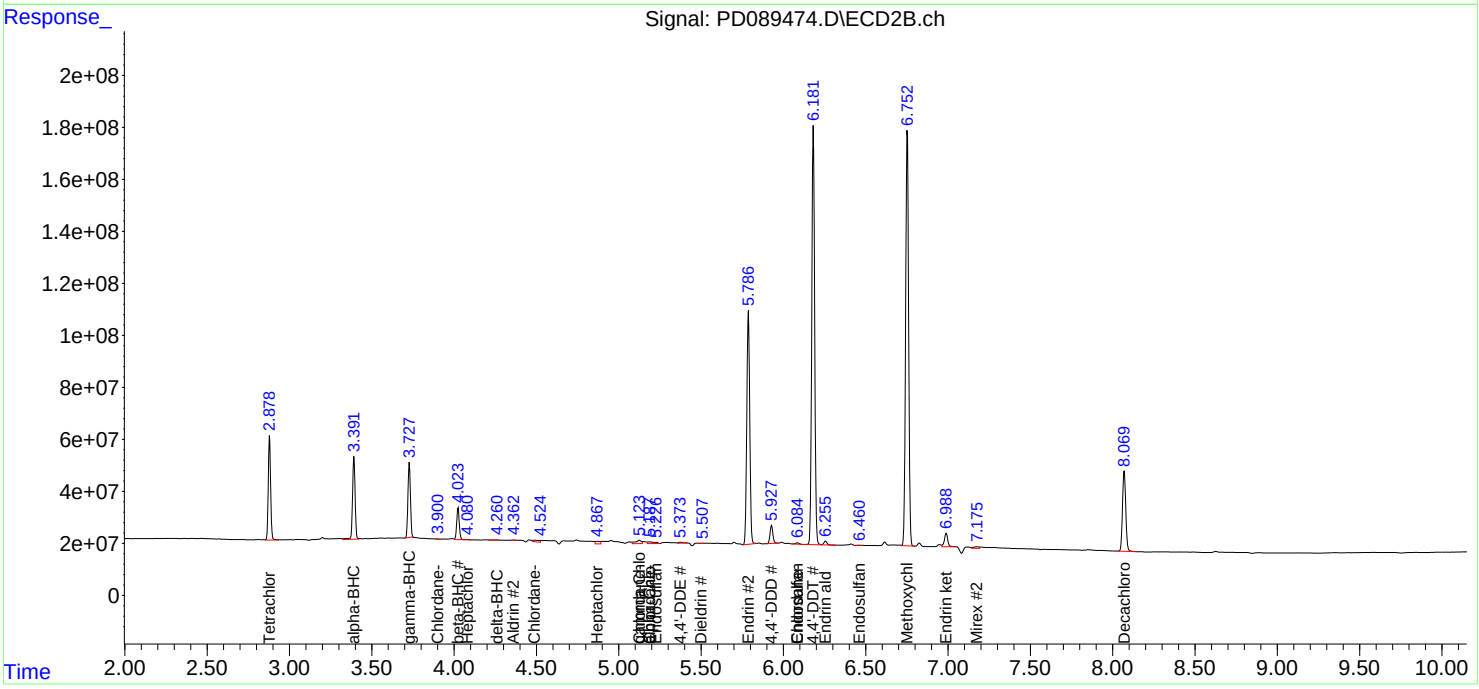
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 10:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

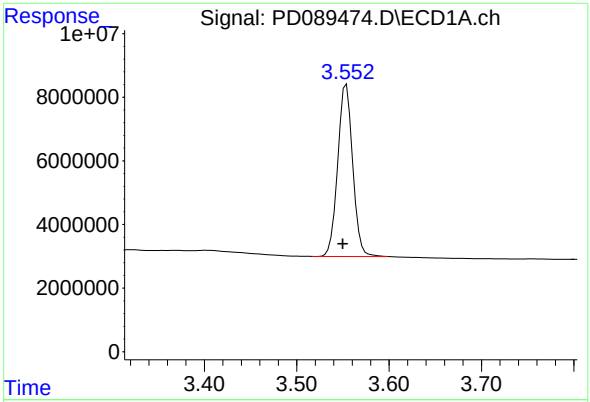
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



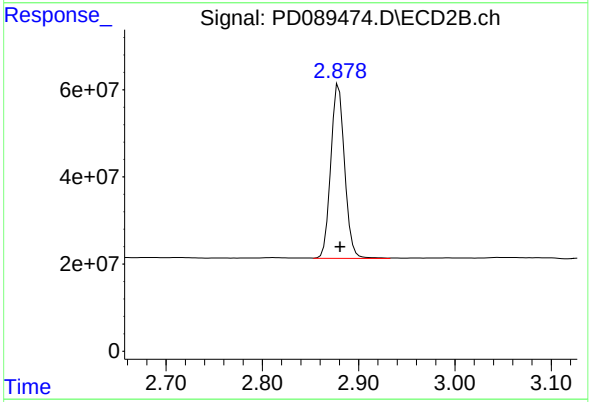




#1 Tetrachloro-m-xylene

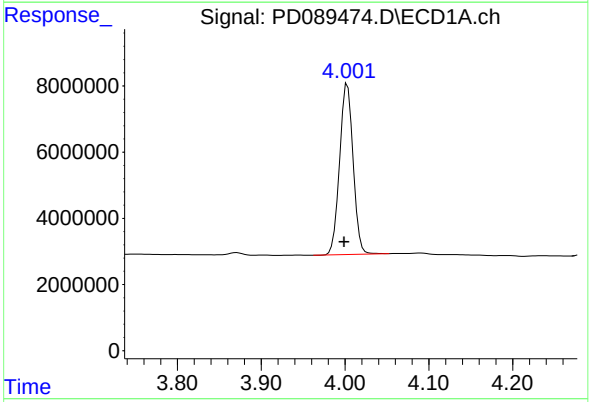
R.T.: 3.554 min
Delta R.T.: 0.004 min
Response: 60873171
Conc: 21.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



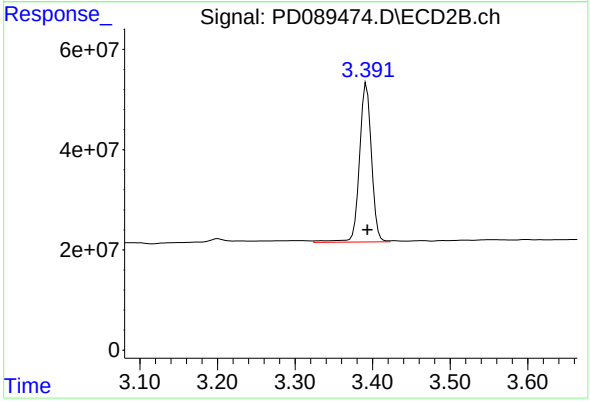
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 399426454
Conc: 23.56 ng/ml



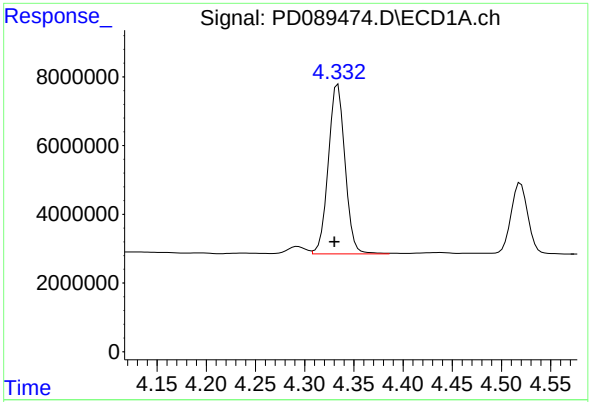
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.004 min
Response: 57794010
Conc: 9.91 ng/ml



#2 alpha-BHC

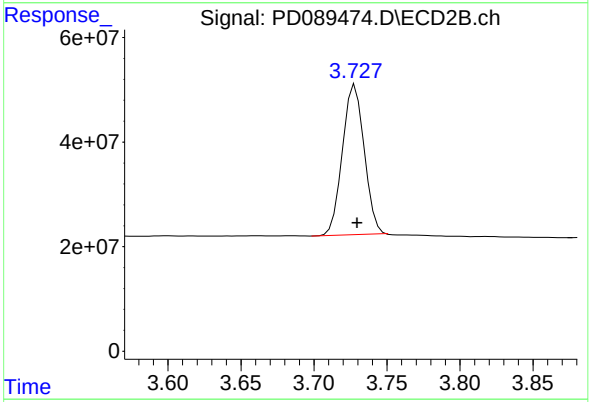
R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 339619565
Conc: 12.67 ng/ml



#3 gamma-BHC (Lindane)

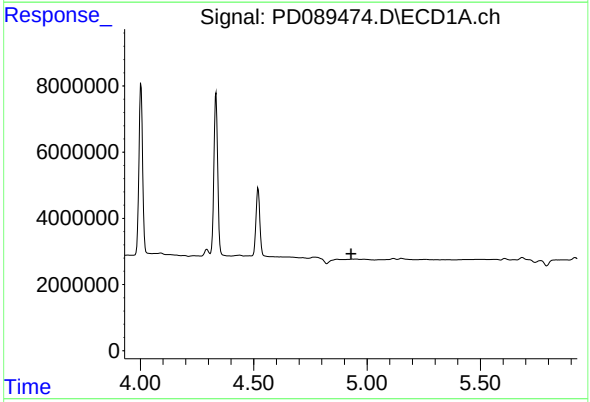
R.T.: 4.334 min
Delta R.T.: 0.004 min
Response: 58276717
Conc: 10.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



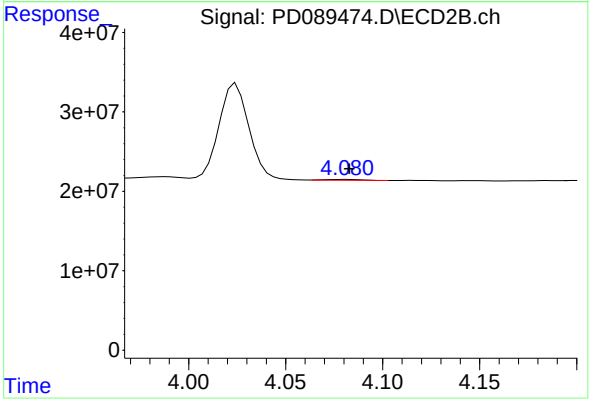
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 297342863
Conc: 12.01 ng/ml



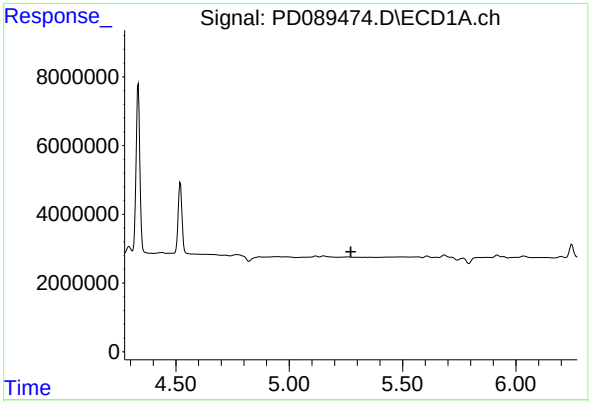
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.929 min
Response: 0
Conc: N.D.



#4 Heptachlor

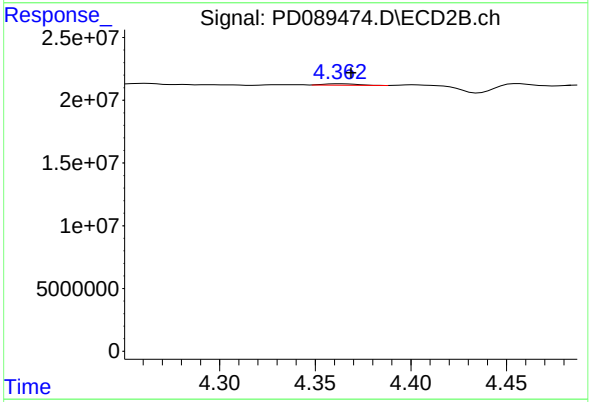
R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1485032
Conc: 0.06 ng/ml



#5 Aldrin

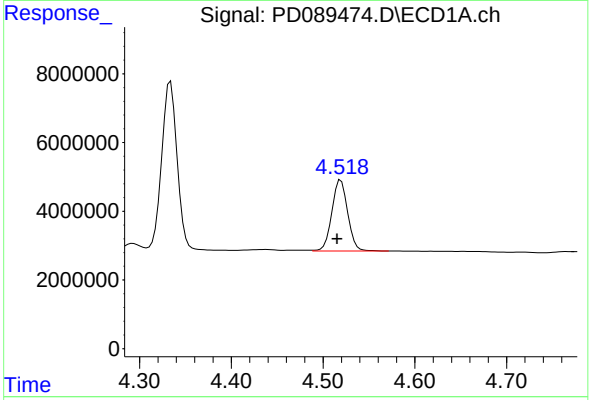
R.T.: 0.000 min
Exp R.T. : 5.271 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



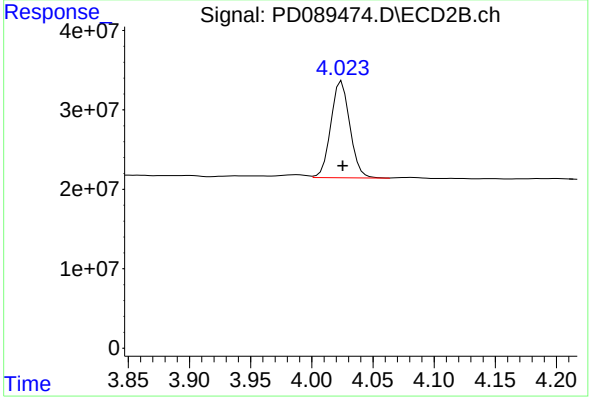
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.006 min
Response: 1349761
Conc: 0.06 ng/ml



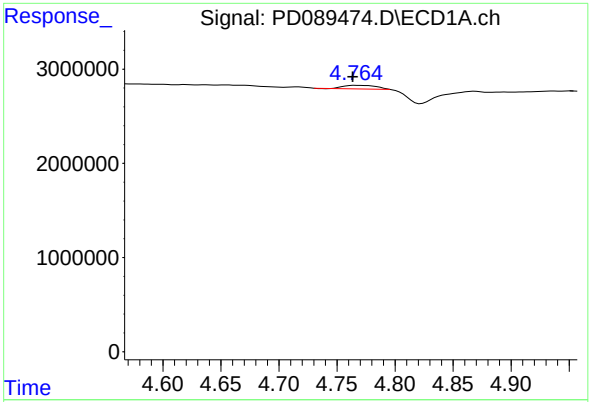
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.004 min
Response: 24755956
Conc: 11.22 ng/ml



#6 beta-BHC

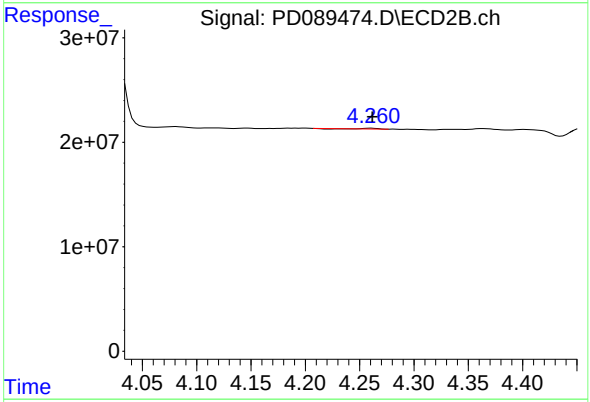
R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 131536304
Conc: 12.24 ng/ml



#7 delta-BHC

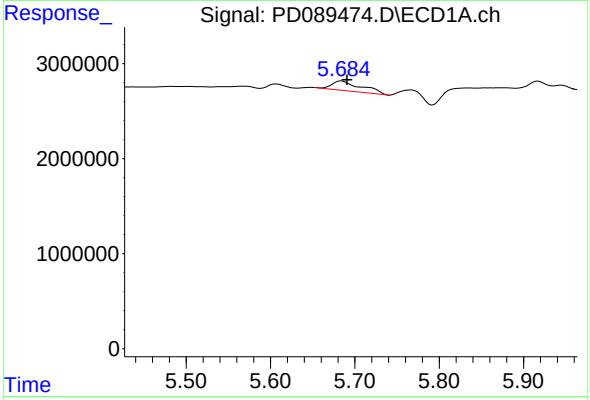
R.T.: 4.766 min
Delta R.T.: 0.002 min
Response: 742173
Conc: 0.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



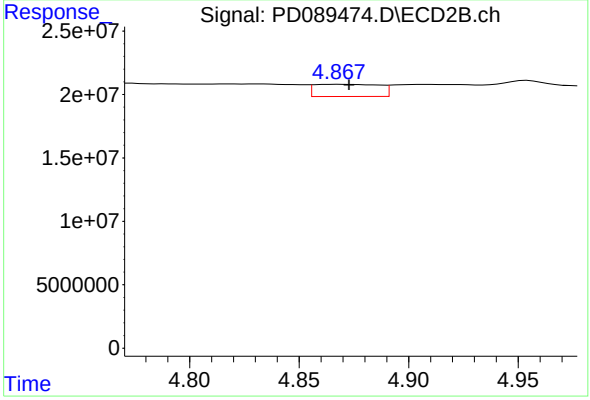
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 361475
Conc: 0.01 ng/ml



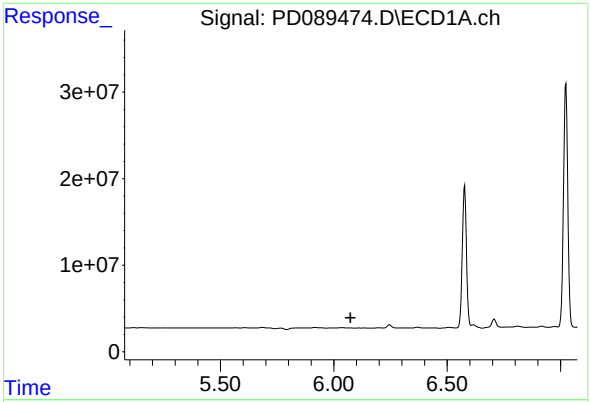
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.007 min
Response: 2509777
Conc: 0.52 ng/ml



#8 Heptachlor epoxide

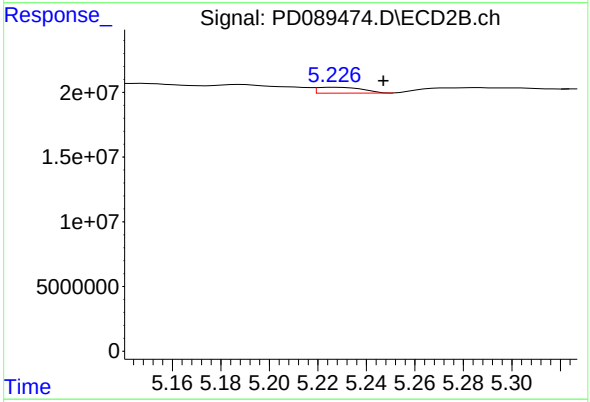
R.T.: 4.868 min
Delta R.T.: -0.004 min
Response: 19846430
Conc: 0.91 ng/ml



#9 Endosulfan I

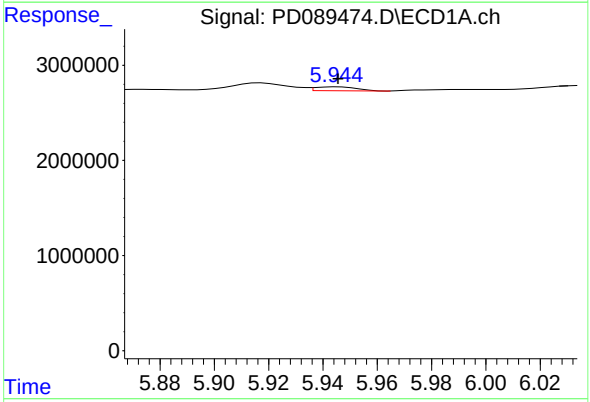
R.T.: 0.000 min
Exp R.T. : 6.074 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



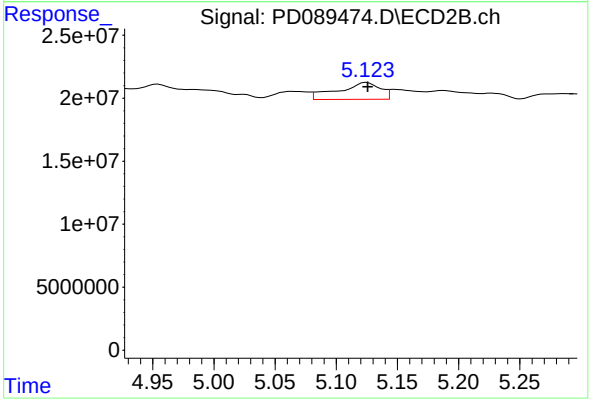
#9 Endosulfan I

R.T.: 5.227 min
Delta R.T.: -0.020 min
Response: 5896452
Conc: 0.28 ng/ml



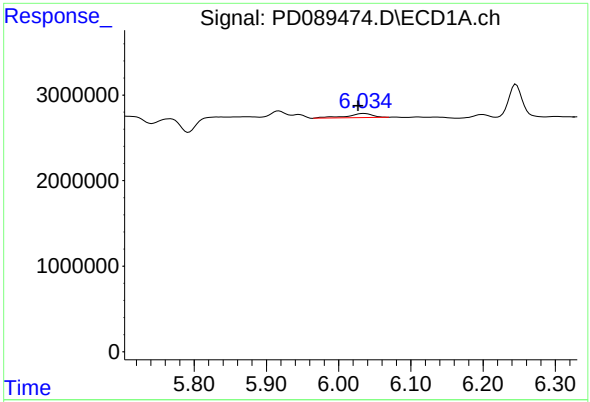
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 436777
Conc: 0.09 ng/ml



#10 gamma-Chlordane

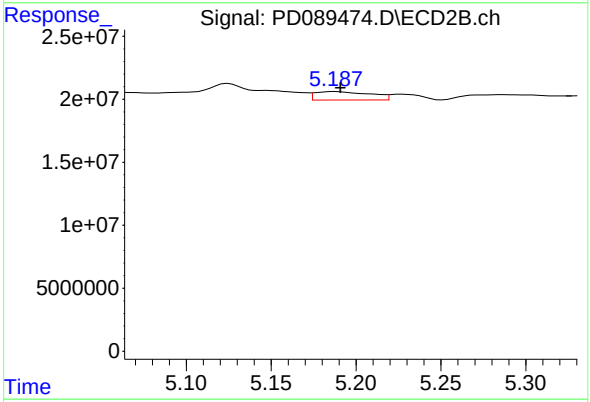
R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 32011570
Conc: 1.34 ng/ml



#11 alpha-Chlordane

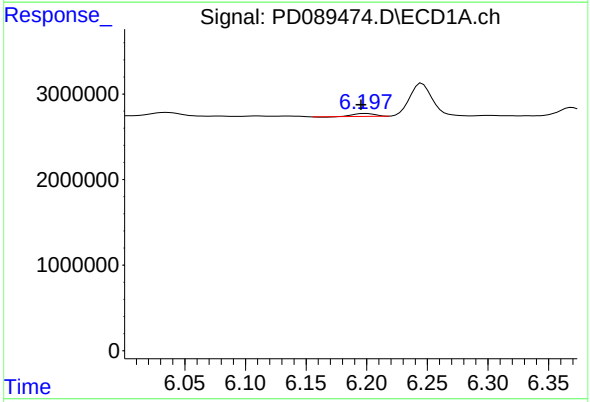
R.T.: 6.035 min
Delta R.T.: 0.008 min
Response: 1157555
Conc: 0.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



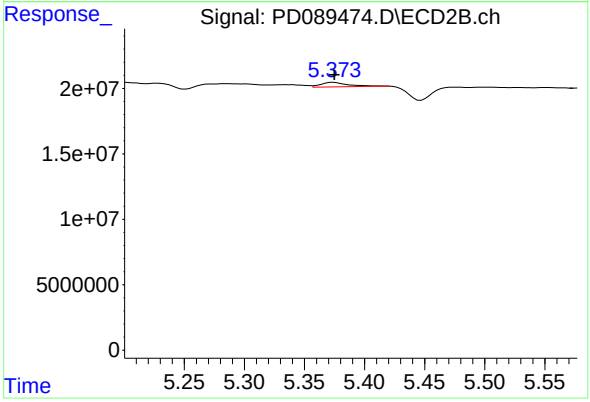
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 15341518
Conc: 0.67 ng/ml



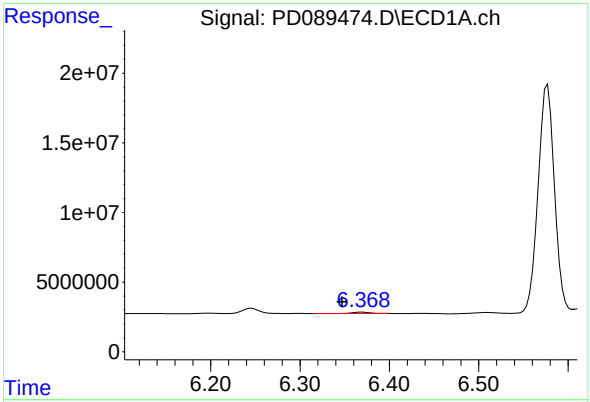
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.004 min
Response: 396394
Conc: 0.09 ng/ml



#12 4,4'-DDE

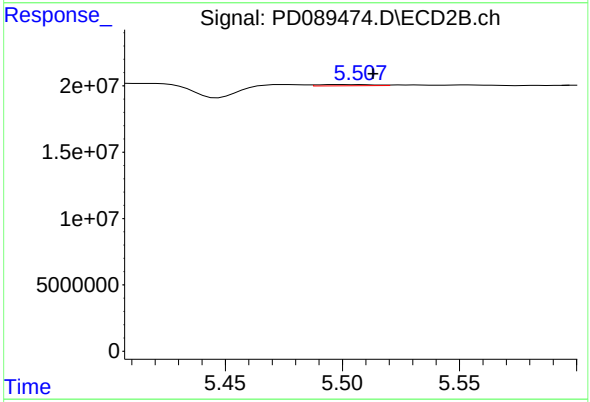
R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 4589258
Conc: 0.20 ng/ml



#13 Dieldrin

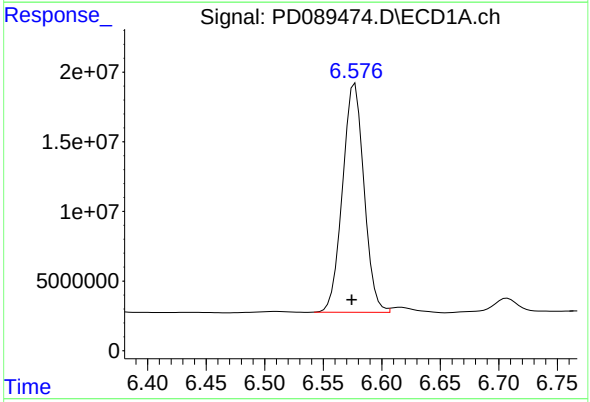
R.T.: 6.370 min
Delta R.T.: 0.023 min
Response: 1190894
Conc: 0.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



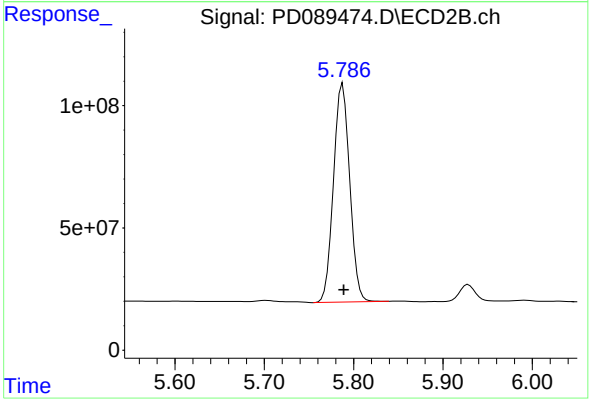
#13 Dieldrin

R.T.: 5.497 min
Delta R.T.: -0.016 min
Response: 1511657
Conc: 0.07 ng/ml



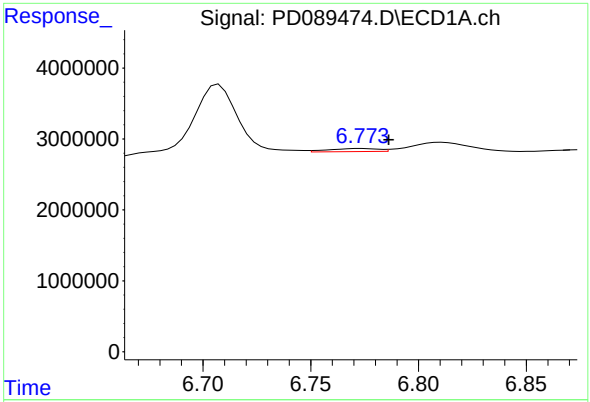
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 210003616
Conc: 50.90 ng/ml



#14 Endrin

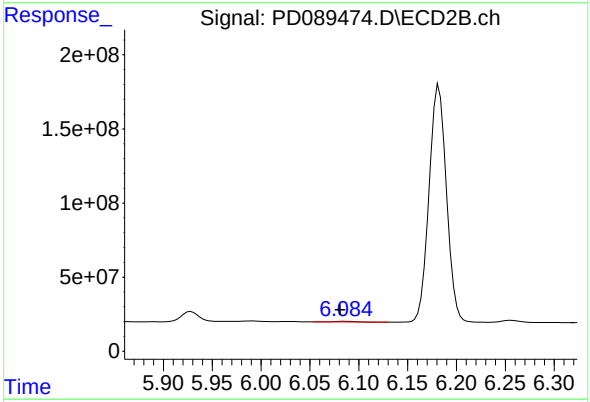
R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1127711151
Conc: 51.93 ng/ml



#15 Endosulfan II

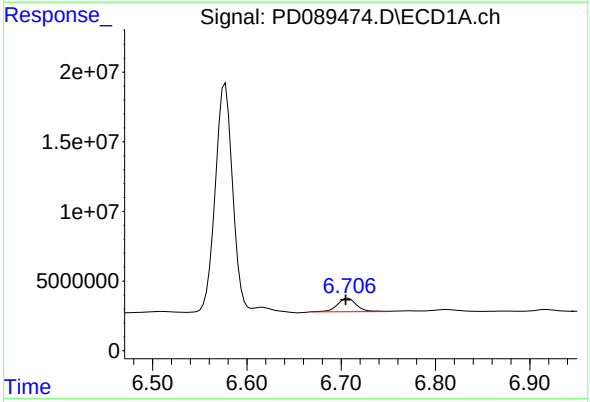
R.T.: 6.774 min
Delta R.T.: -0.012 min
Response: 703288
Conc: 0.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



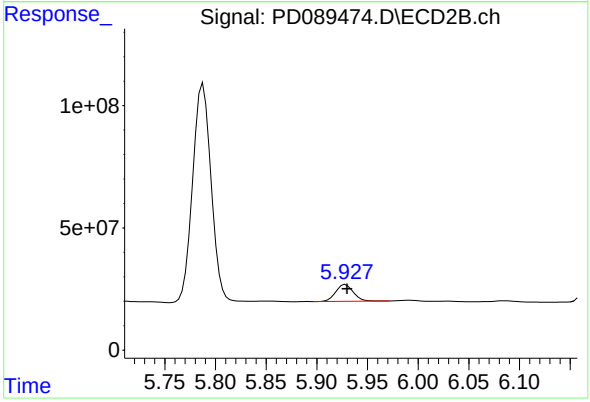
#15 Endosulfan II

R.T.: 6.086 min
Delta R.T.: 0.005 min
Response: 7400608
Conc: 0.37 ng/ml



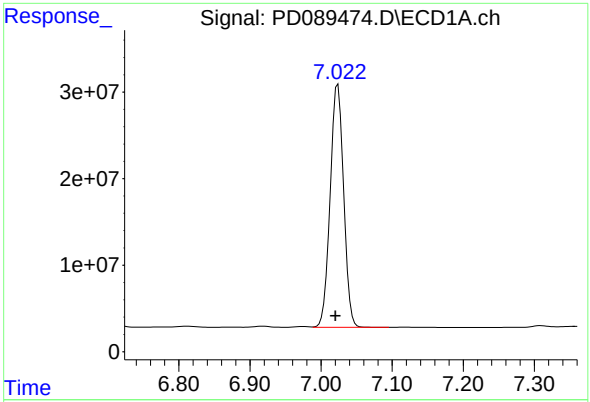
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.003 min
Response: 13527469
Conc: 3.94 ng/ml



#16 4,4'-DDD

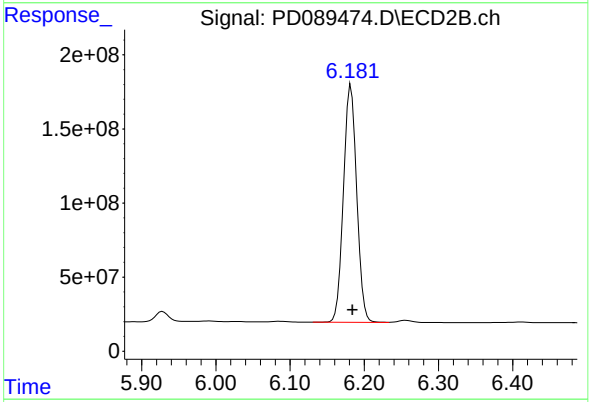
R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 83196662
Conc: 4.35 ng/ml



#17 4,4'-DDT

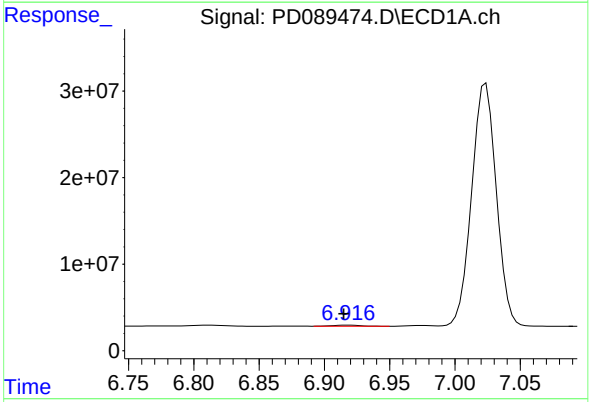
R.T.: 7.024 min
Delta R.T.: 0.003 min
Response: 369243475
Conc: 97.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



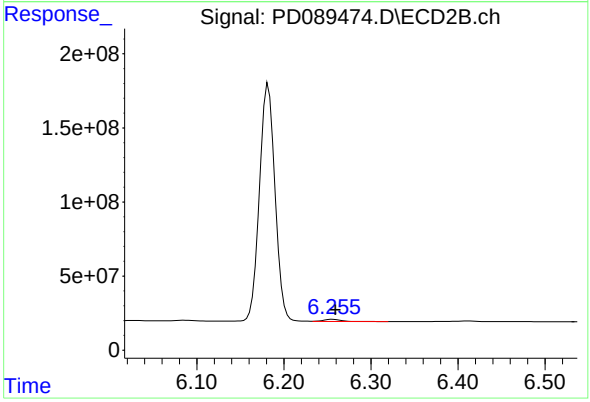
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1988653547
Conc: 98.06 ng/ml



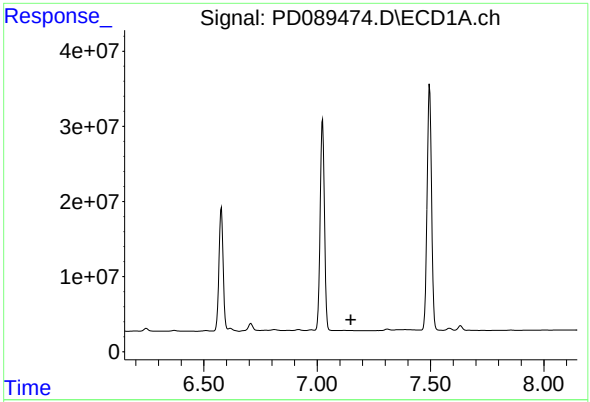
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 1728866
Conc: 0.56 ng/ml



#18 Endrin aldehyde

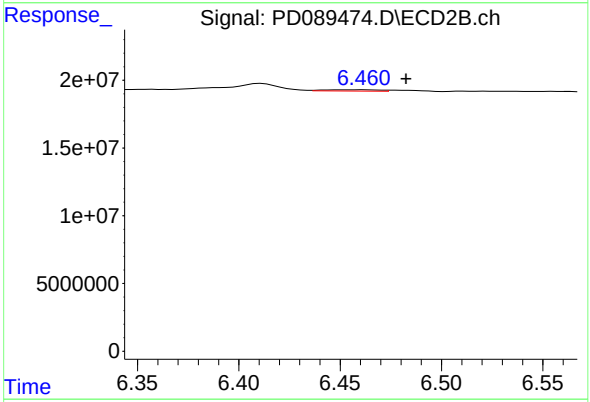
R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 19323535
Conc: 1.26 ng/ml



#19 Endosulfan Sulfate

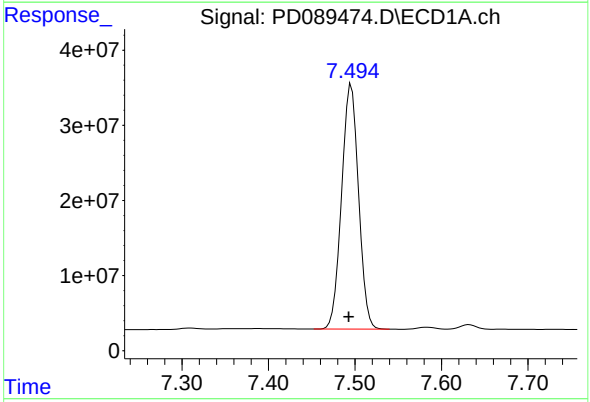
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



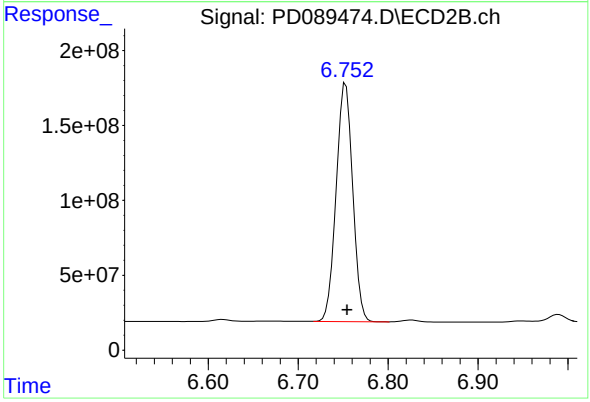
#19 Endosulfan Sulfate

R.T.: 6.460 min
Delta R.T.: -0.022 min
Response: 1743461
Conc: 0.09 ng/ml



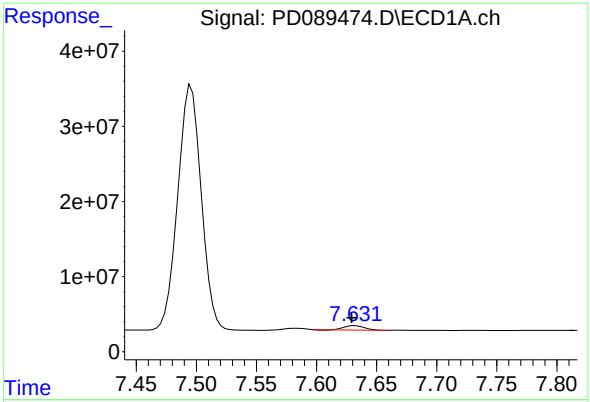
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.003 min
Response: 442194041
Conc: 218.84 ng/ml



#20 Methoxychlor

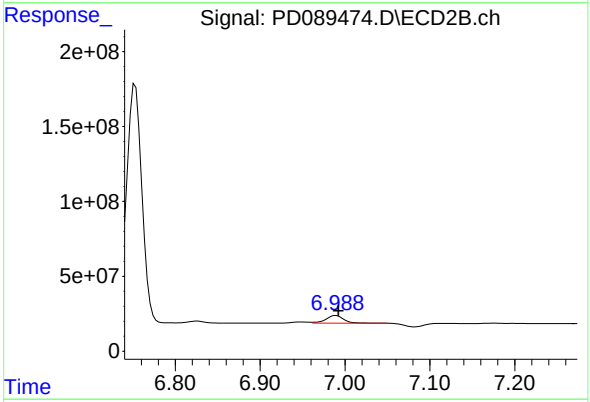
R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 2037655901
Conc: 189.23 ng/ml



#21 Endrin ketone

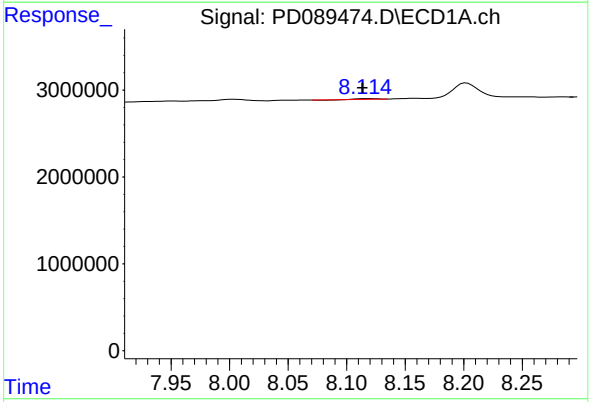
R.T.: 7.632 min
Delta R.T.: 0.002 min
Response: 6713465
Conc: 1.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



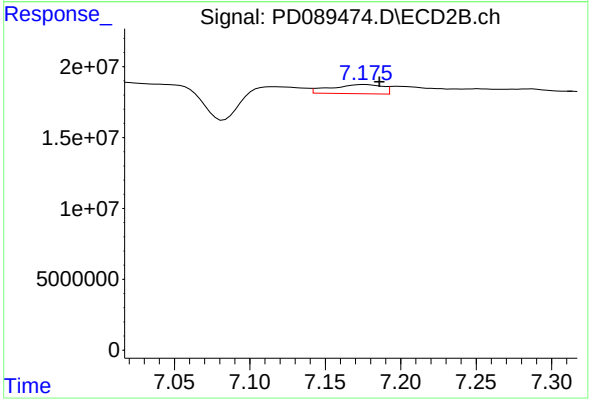
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 75188869
Conc: 3.48 ng/ml



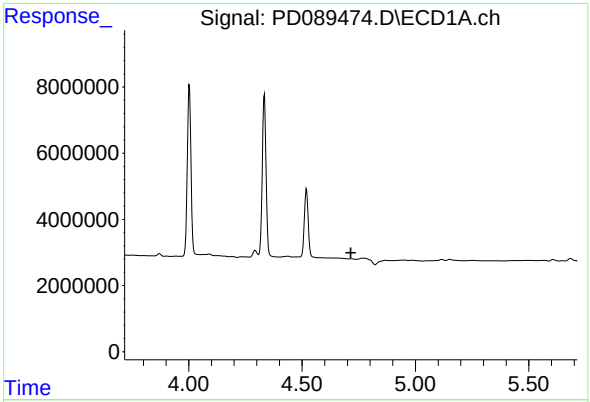
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.003 min
Response: 61561
Conc: 0.02 ng/ml



#22 Mirex

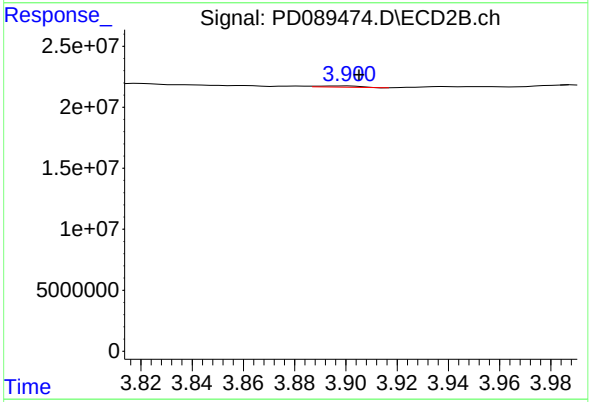
R.T.: 7.176 min
Delta R.T.: -0.009 min
Response: 15303478
Conc: 0.92 ng/ml



#23 Chlordane-1

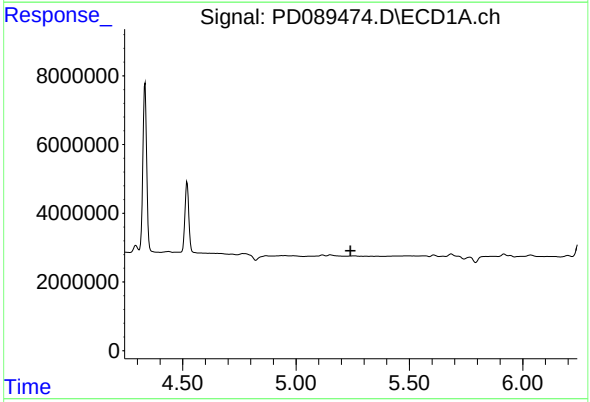
R.T.: 0.000 min
Exp R.T. : 4.715 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



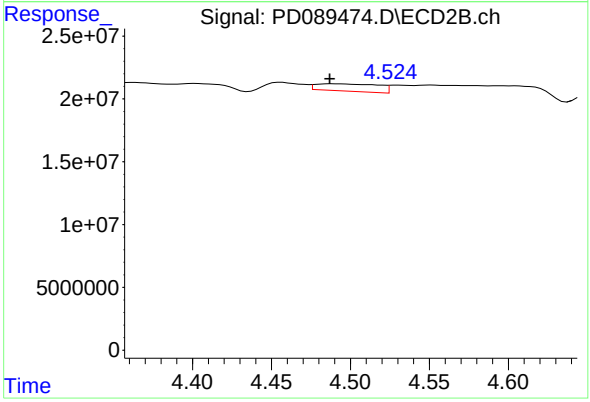
#23 Chlordane-1

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 1214483
Conc: 1.30 ng/ml



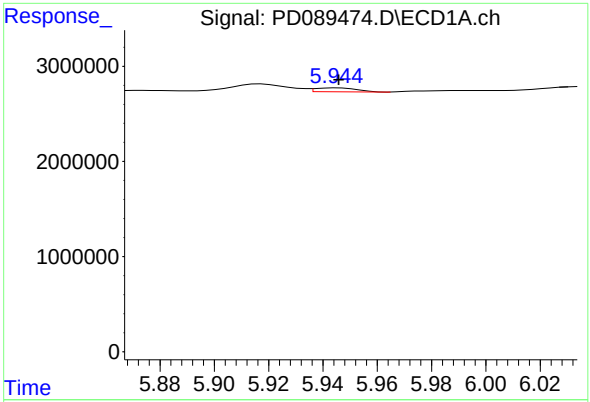
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.241 min
Response: 0
Conc: N.D.



#24 Chlordane-2

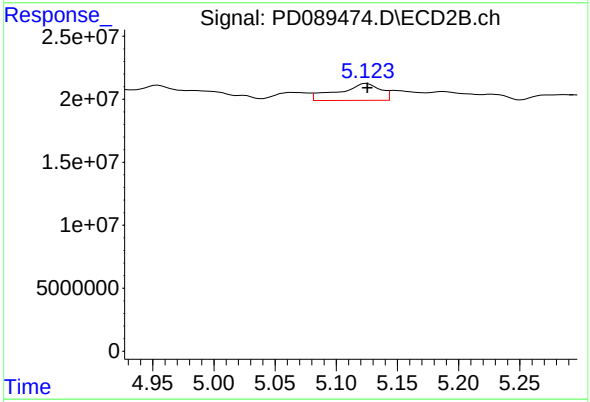
R.T.: 4.489 min
Delta R.T.: 0.002 min
Response: 16052474
Conc: 16.87 ng/ml



#25 Chlordane-3

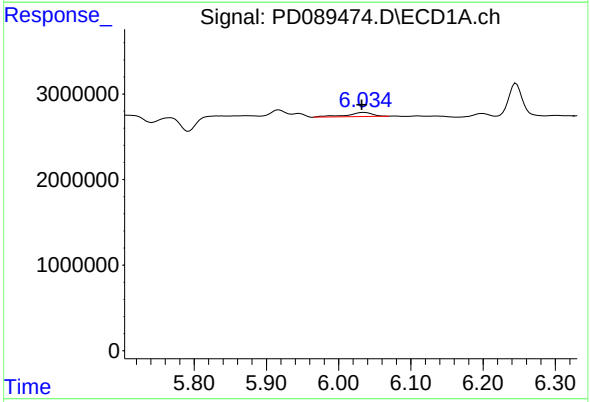
R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 436777
Conc: 0.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



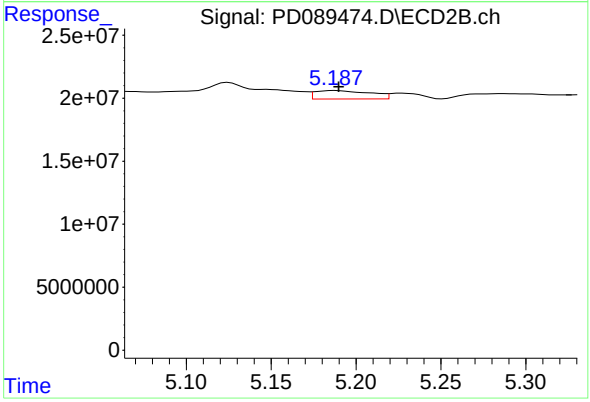
#25 Chlordane-3

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 32011570
Conc: 10.78 ng/ml



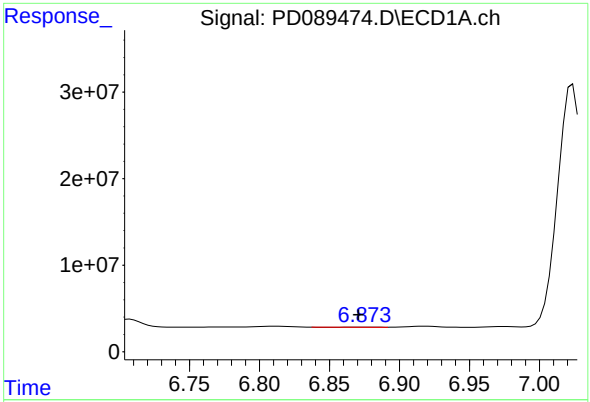
#26 Chlordane-4

R.T.: 6.035 min
Delta R.T.: 0.003 min
Response: 1157555
Conc: 1.10 ng/ml



#26 Chlordane-4

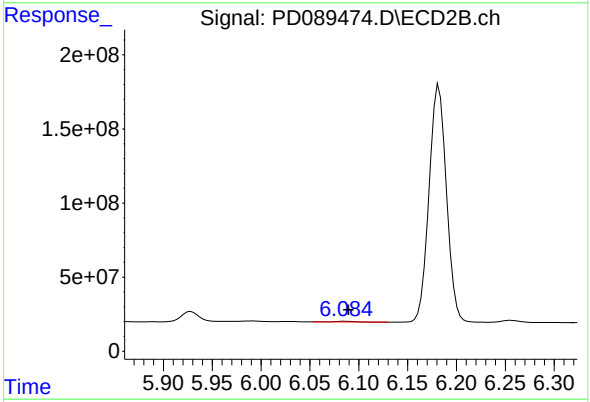
R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 15341518
Conc: 6.12 ng/ml



#27 Chlordane-5

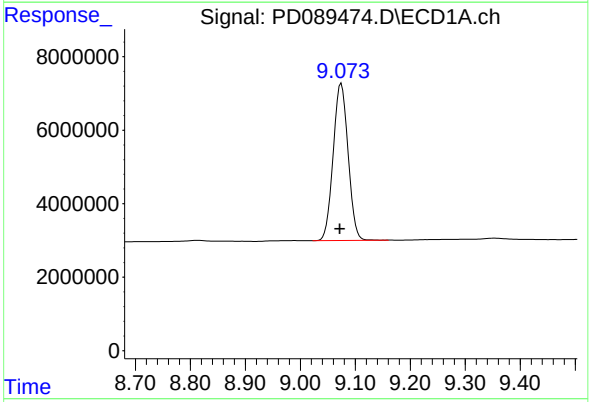
R.T.: 6.874 min
Delta R.T.: 0.004 min
Response: 16611
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



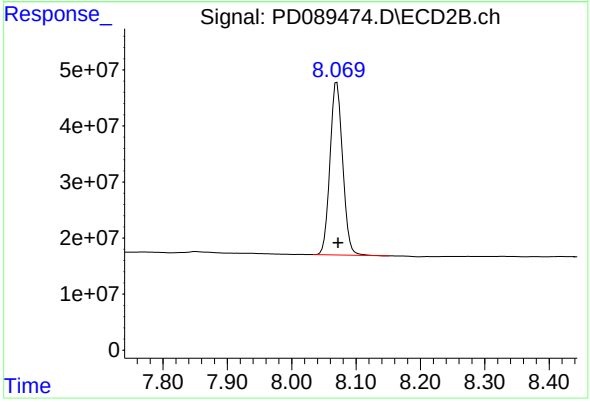
#27 Chlordane-5

R.T.: 6.086 min
Delta R.T.: -0.004 min
Response: 7400608
Conc: 6.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 80625579
Conc: 20.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 421124379
Conc: 21.30 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:01
Operator : AR\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.879	9137379	202.2E6	3.203	11.928	#
28)	SA	Decachlor...	9.075	8.070	28951886	163.8E6	7.371	8.286	
	Target Compounds								
2)	A	alpha-BHC	3.992	3.402	3864019	33466683	0.663	1.249	#
3)	MA	gamma-BHC...	4.339	3.704f	4675659	32155569	0.838	1.299	#
4)	MA	Heptachlor	4.960f	4.079	28326844	15224181	5.196	0.608	#
6)	B	beta-BHC	4.544f	4.024	456113	8469678	0.207	0.788	#
7)	B	delta-BHC	4.783f	4.265	-576569	3238658	N.D.	0.130	
8)	B	Heptachlo...	5.679	4.868	1889959	16039201	0.392	0.732	#
10)	B	gamma-Chl...	5.936	5.124	1145.0E6	55469070	239.142	2.319	#
11)	B	alpha-Chl...	6.033	5.188	39735584	101.3E6	8.212	4.425	#
12)	B	4,4'-DDE	6.199	5.373	5389554	53379841	1.236	2.329	#
13)	MA	Dieldrin	6.351	5.507	-148141	32648449	N.D.	1.407	
14)	MA	Endrin	0.000	5.795	0	11297.0E6	N.D.	520.264	#
15)	B	Endosulfa...	6.804f	6.088	333217	14103251	0.083	0.698	#
16)	A	4,4'-DDD	6.686f	0.000	1044751	0	0.304	N.D.	#
17)	MA	4,4'-DDT	7.023	6.179	1882420	27155416	0.497	1.339	#
18)	B	Endrin al...	6.907	0.000	4428939	0	1.446	N.D.	#
19)	B	Endosulfa...	7.146	6.479	290276	8284353	0.076	0.422	#
20)	A	Methoxychlor	0.000	6.735f	0	35357666	N.D.	3.284	#
21)	B	Endrin ke...	7.621	6.973f	897187	40257028	0.220	1.864	#
22)		Mirex	8.116	7.178	618697	6904459	0.204	0.414	#
23)		Chlordane-1	4.717	3.903	1460227	31073939	6.823	33.332	#
24)		Chlordane-2	5.242	4.486	5443068	33524293	24.932	35.229	#
25)		Chlordane-3	5.936	5.124	1145.0E6	55469070	1327.607	18.675	#
26)		Chlordane-4	6.033	5.188	39735584	101.3E6	37.818	40.415	
27)		Chlordane-5	6.873	6.088	1077242	14103251	5.894	12.462	#

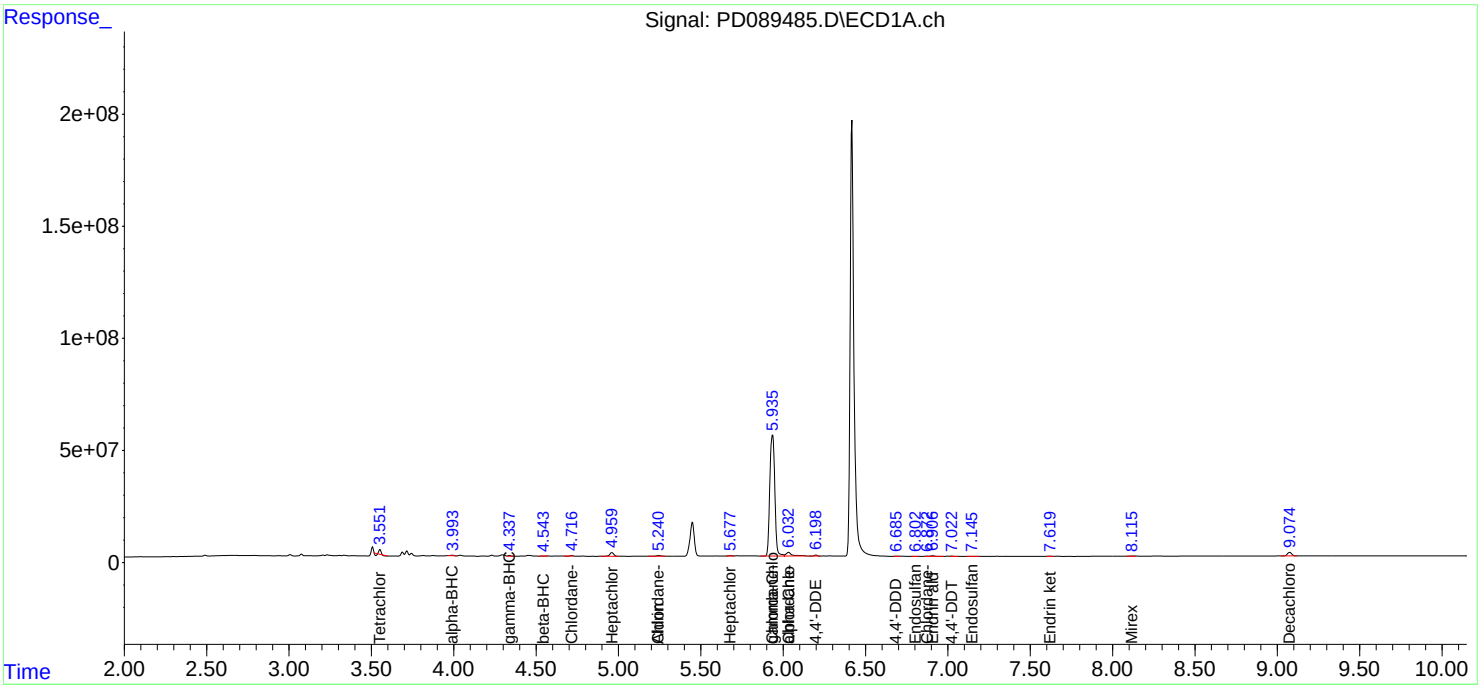
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

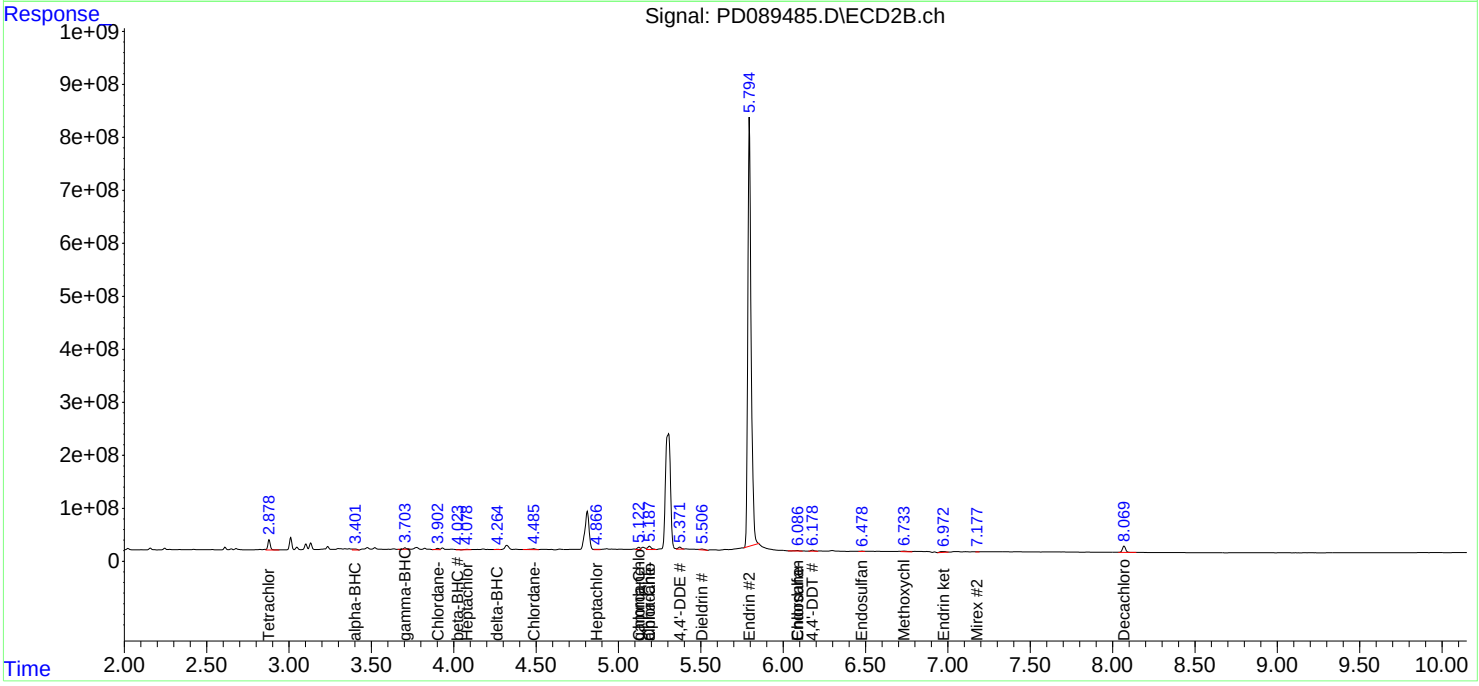
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:01
Operator : AR\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

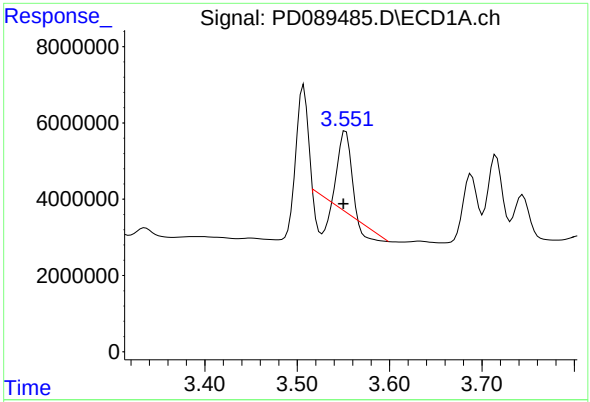
Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



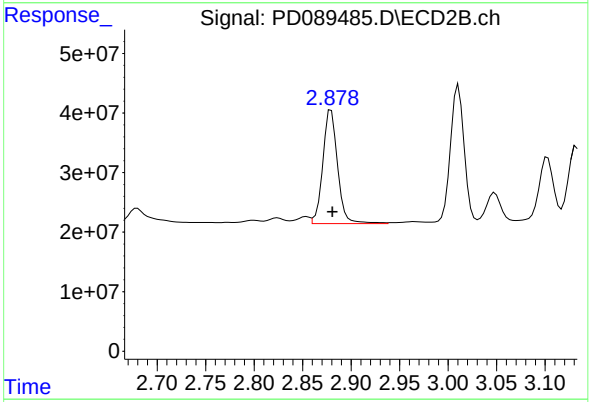




#1 Tetrachloro-m-xylene

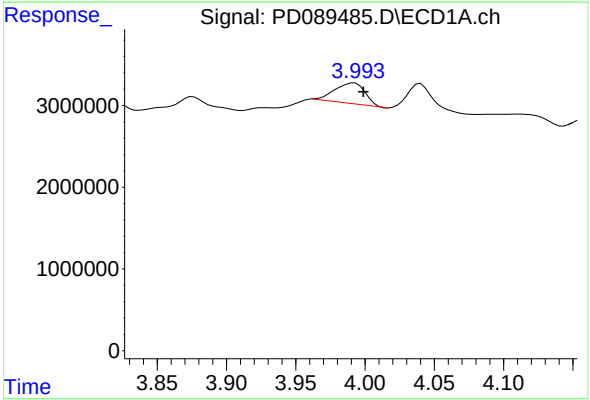
R.T.: 3.553 min
Delta R.T.: 0.003 min
Response: 9137379
Conc: 3.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



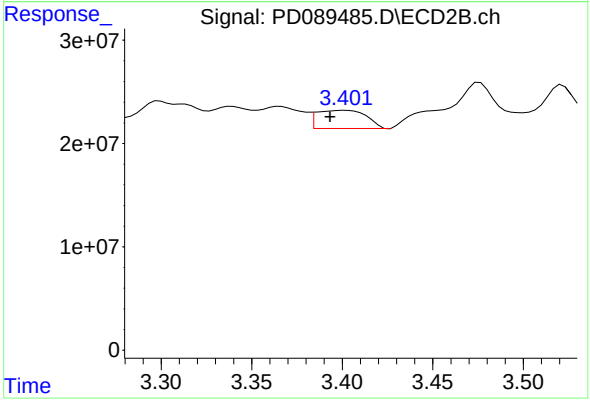
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 202212752
Conc: 11.93 ng/ml



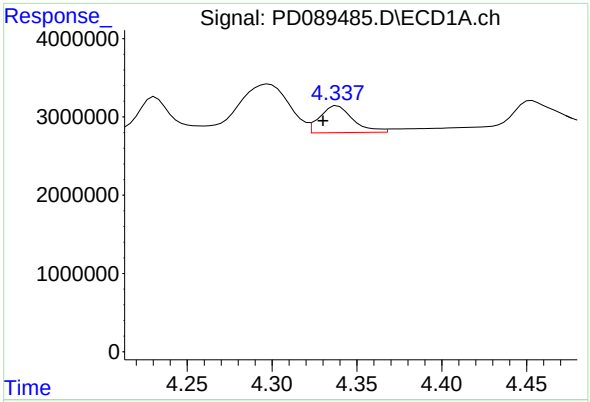
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.007 min
Response: 3864019
Conc: 0.66 ng/ml



#2 alpha-BHC

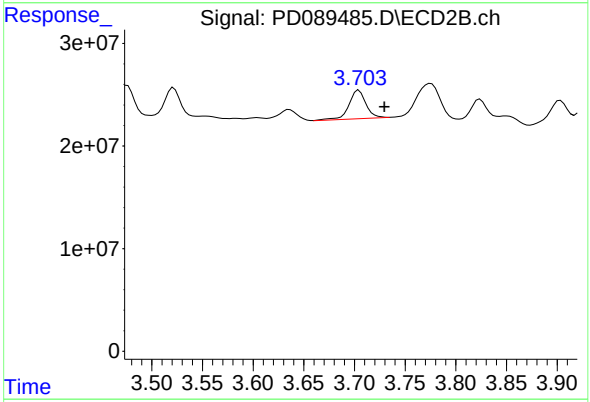
R.T.: 3.402 min
Delta R.T.: 0.008 min
Response: 33466683
Conc: 1.25 ng/ml



#3 gamma-BHC (Lindane)

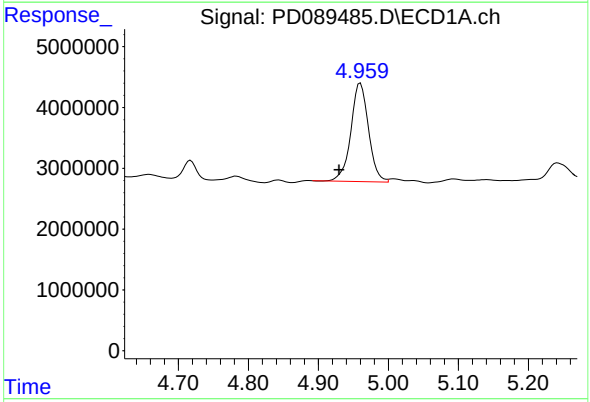
R.T.: 4.339 min
Delta R.T.: 0.009 min
Response: 4675659
Conc: 0.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



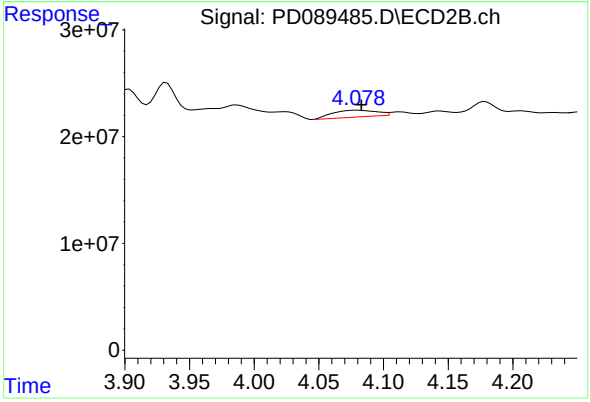
#3 gamma-BHC (Lindane)

R.T.: 3.704 min
Delta R.T.: -0.025 min
Response: 32155569
Conc: 1.30 ng/ml



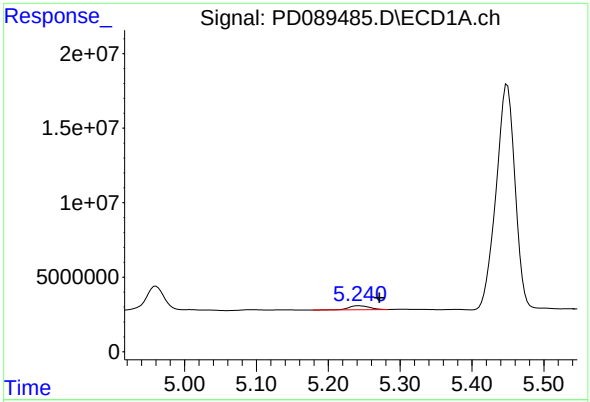
#4 Heptachlor

R.T.: 4.960 min
Delta R.T.: 0.031 min
Response: 28326844
Conc: 5.20 ng/ml



#4 Heptachlor

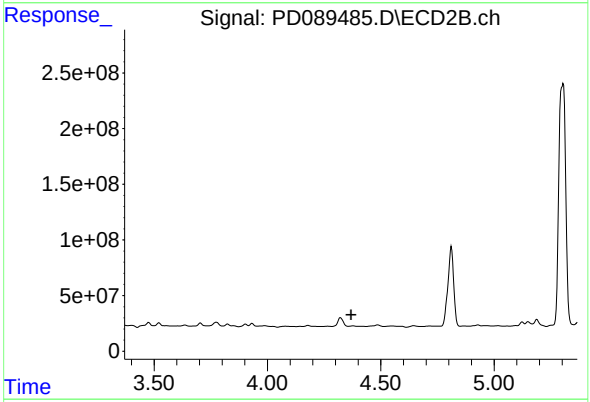
R.T.: 4.079 min
Delta R.T.: -0.003 min
Response: 15224181
Conc: 0.61 ng/ml



#5 Aldrin

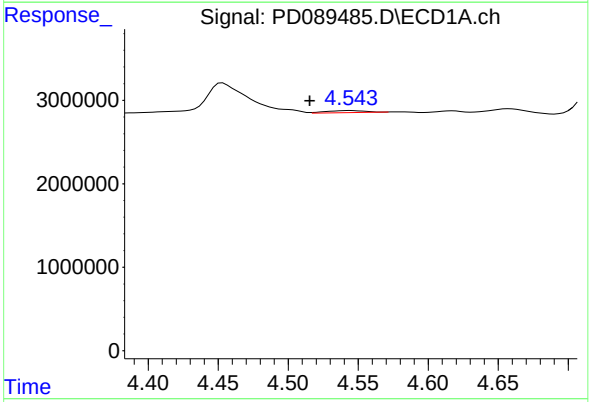
R.T.: 5.242 min
Delta R.T.: -0.029 min
Response: 5443068
Conc: 1.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



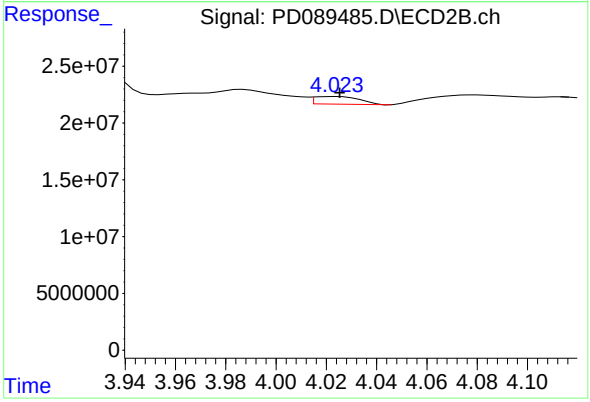
#5 Aldrin

R.T.: 4.378 min
Delta R.T.: 0.009 min
Response: -77660539
Conc: N.D.



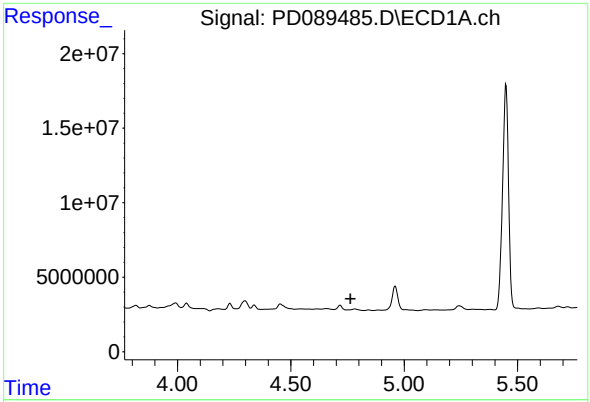
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: 0.029 min
Response: 456113
Conc: 0.21 ng/ml



#6 beta-BHC

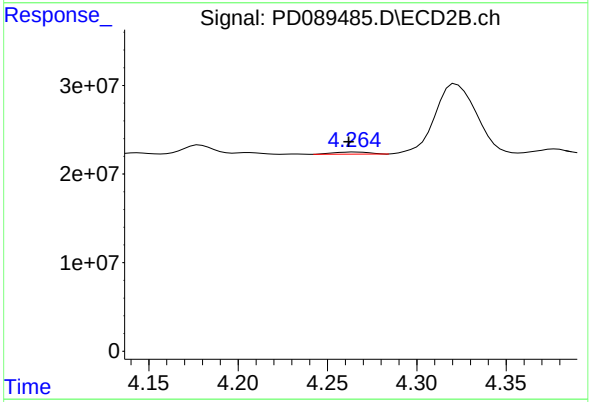
R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 8469678
Conc: 0.79 ng/ml



#7 delta-BHC

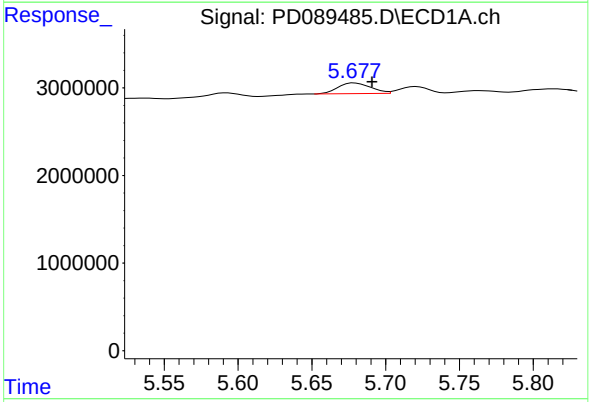
R.T.: 4.783 min
Delta R.T.: 0.019 min
Response: -576569
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



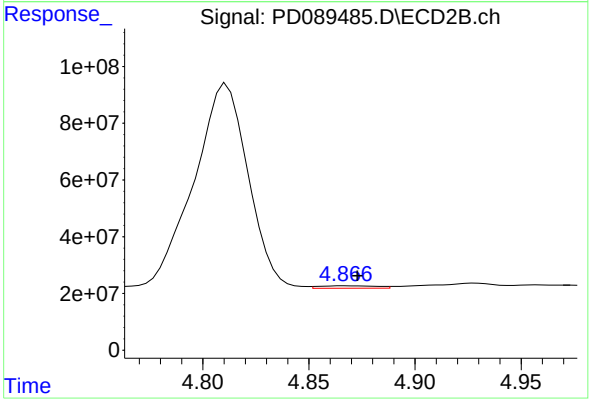
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.003 min
Response: 3238658
Conc: 0.13 ng/ml



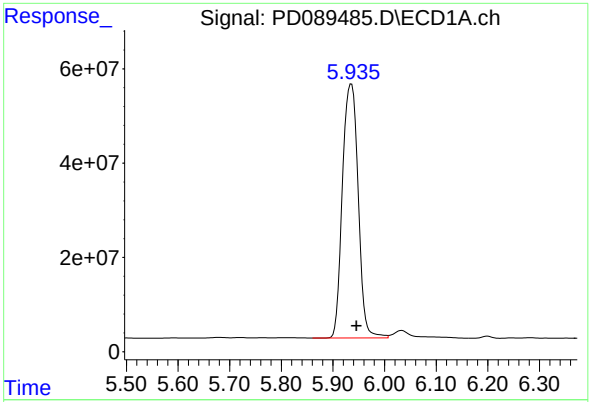
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.012 min
Response: 1889959
Conc: 0.39 ng/ml



#8 Heptachlor epoxide

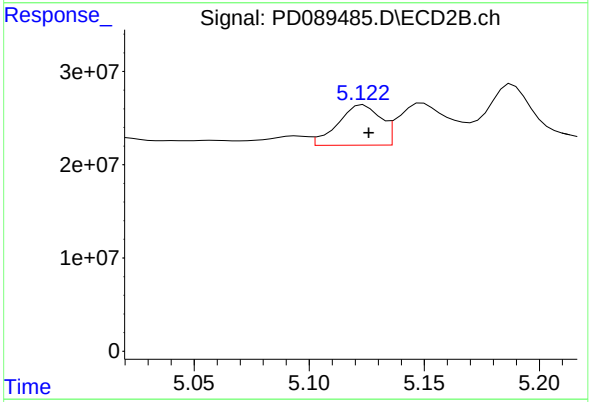
R.T.: 4.868 min
Delta R.T.: -0.005 min
Response: 16039201
Conc: 0.73 ng/ml



#10 gamma-Chlordane

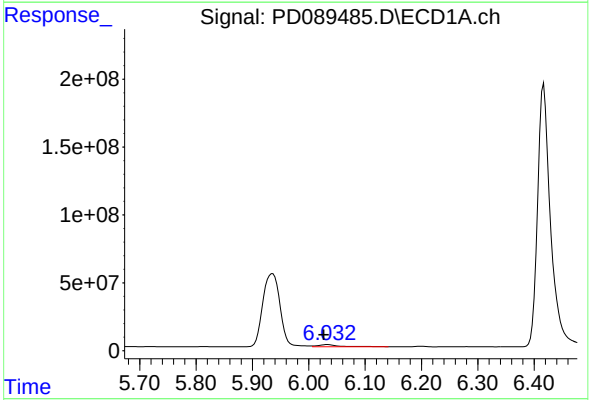
R.T.: 5.936 min
Delta R.T.: -0.010 min
Response: 1145037450
Conc: 239.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



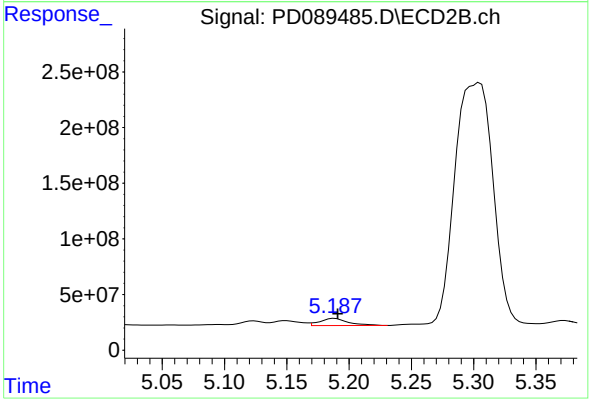
#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 55469070
Conc: 2.32 ng/ml



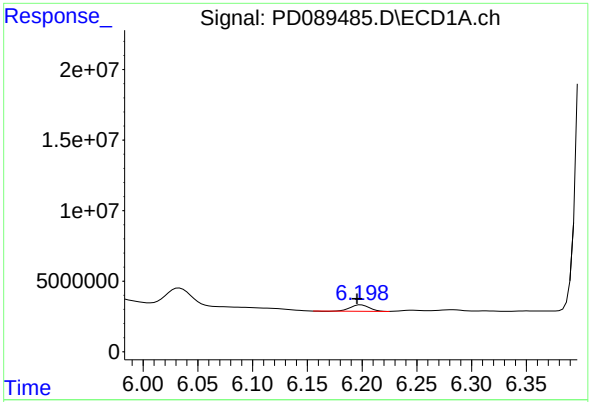
#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.006 min
Response: 39735584
Conc: 8.21 ng/ml



#11 alpha-Chlordane

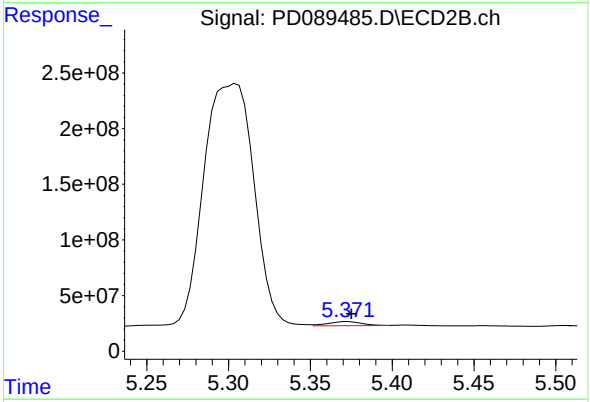
R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 101309116
Conc: 4.42 ng/ml



#12 4,4'-DDE

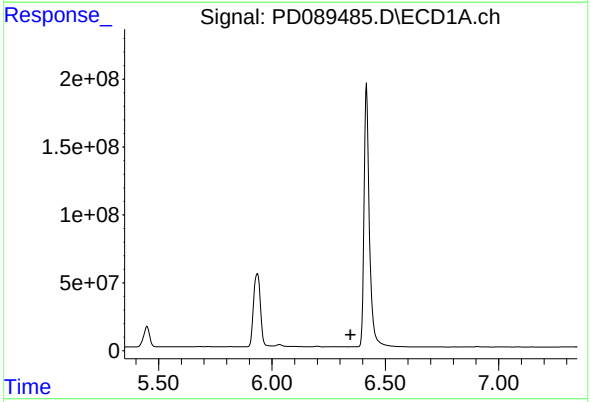
R.T.: 6.199 min
Delta R.T.: 0.004 min
Response: 5389554
Conc: 1.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



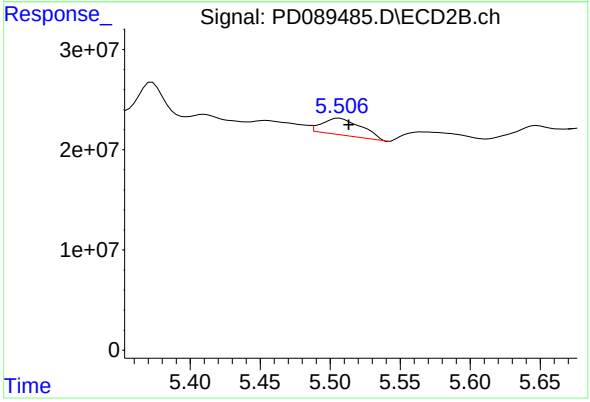
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 53379841
Conc: 2.33 ng/ml



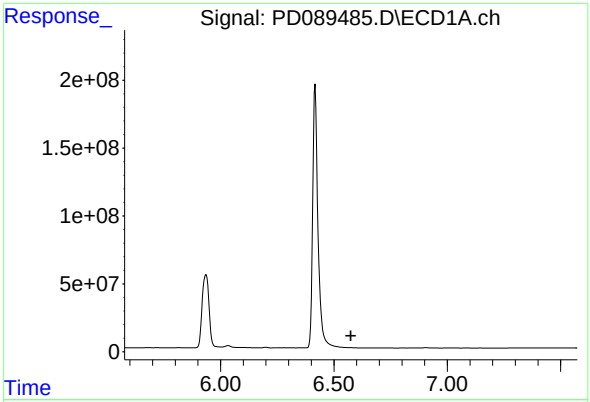
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.005 min
Response: -148141
Conc: N.D.



#13 Dieldrin

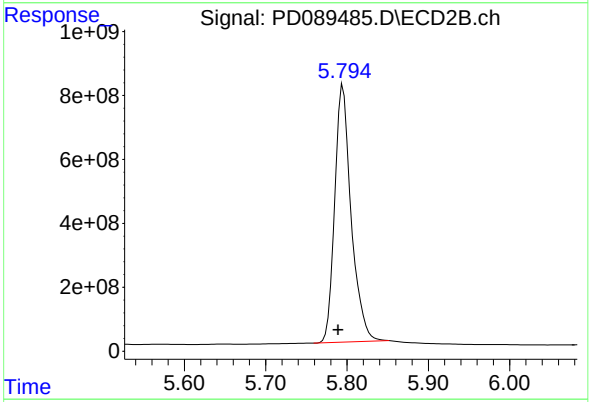
R.T.: 5.507 min
Delta R.T.: -0.007 min
Response: 32648449
Conc: 1.41 ng/ml



#14 Endrin

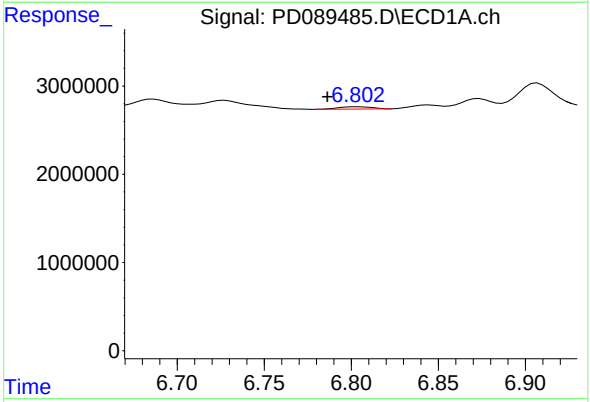
R.T.: 0.000 min
Exp R.T. : 6.574 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



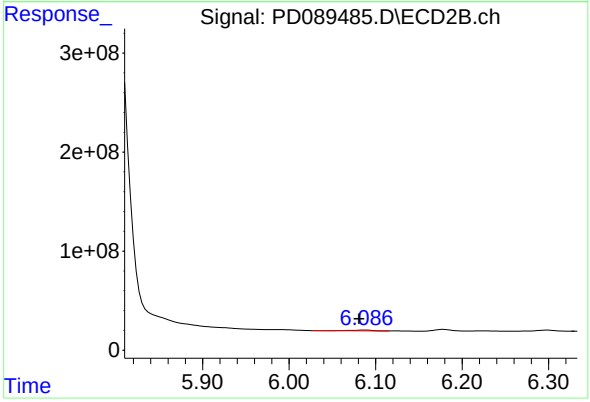
#14 Endrin

R.T.: 5.795 min
Delta R.T.: 0.006 min
Response: 11296969849
Conc: 520.26 ng/ml



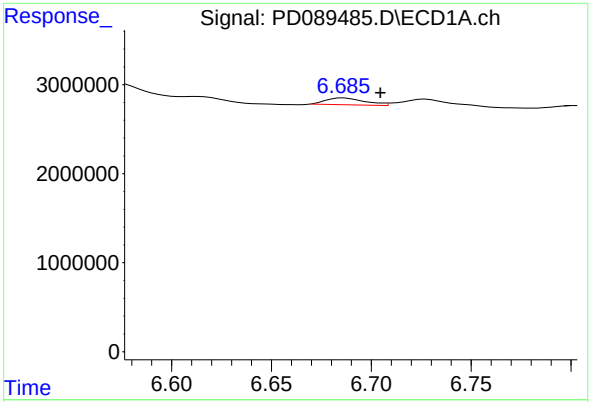
#15 Endosulfan II

R.T.: 6.804 min
Delta R.T.: 0.018 min
Response: 333217
Conc: 0.08 ng/ml



#15 Endosulfan II

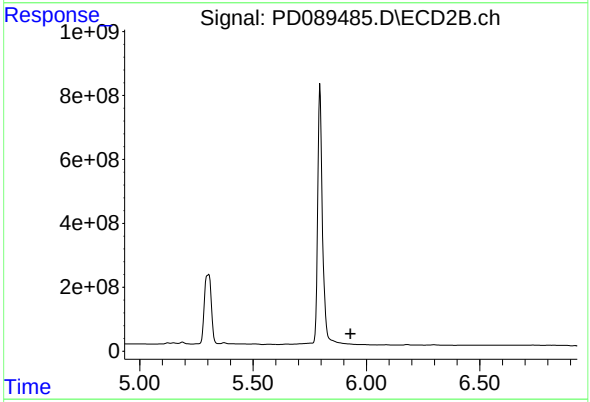
R.T.: 6.088 min
Delta R.T.: 0.007 min
Response: 14103251
Conc: 0.70 ng/ml



#16 4,4'-DDD

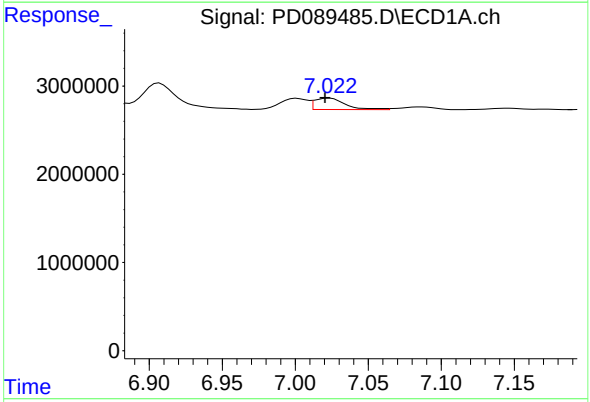
R.T.: 6.686 min
Delta R.T.: -0.018 min
Response: 1044751
Conc: 0.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



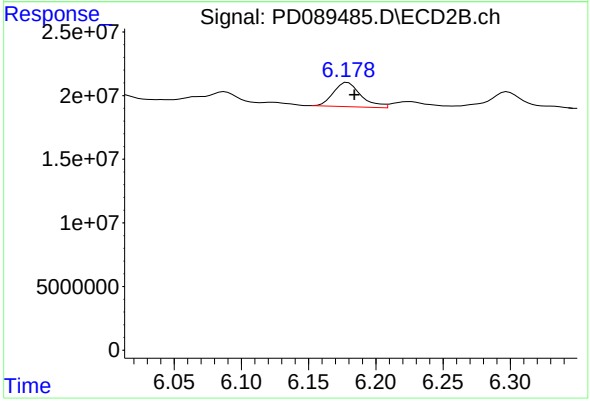
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.930 min
Response: 0
Conc: N.D.



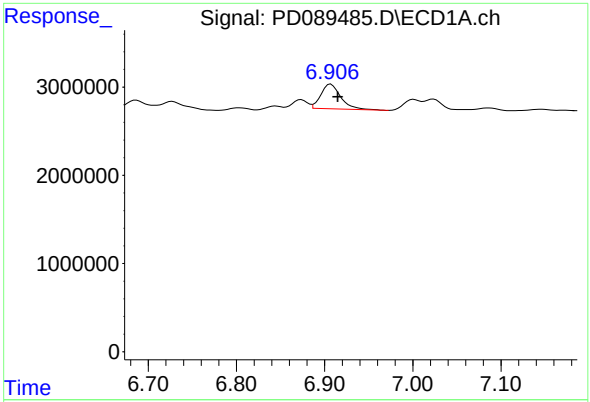
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.003 min
Response: 1882420
Conc: 0.50 ng/ml



#17 4,4'-DDT

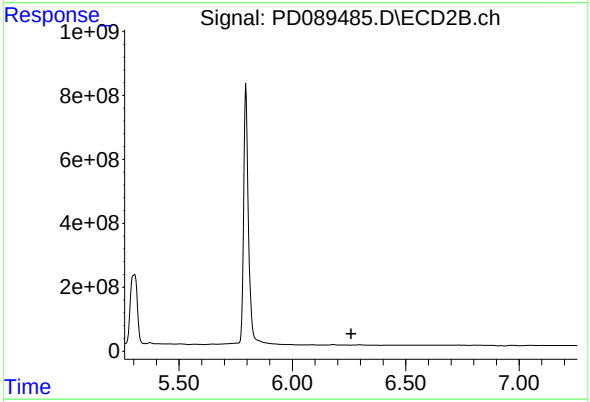
R.T.: 6.179 min
Delta R.T.: -0.005 min
Response: 27155416
Conc: 1.34 ng/ml



#18 Endrin aldehyde

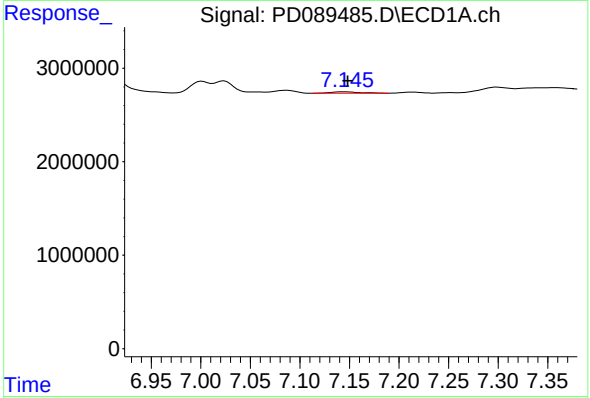
R.T.: 6.907 min
Delta R.T.: -0.008 min
Response: 4428939
Conc: 1.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



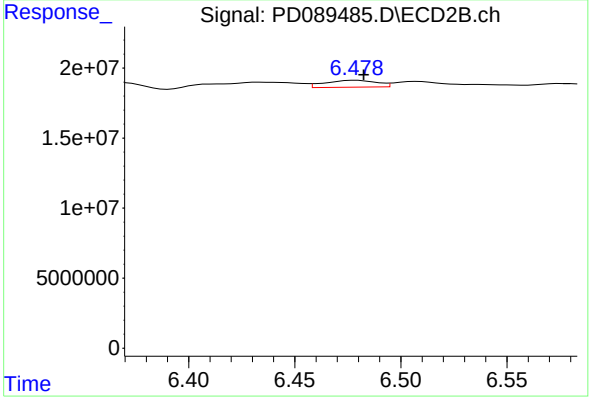
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.259 min
Response: 0
Conc: N.D.



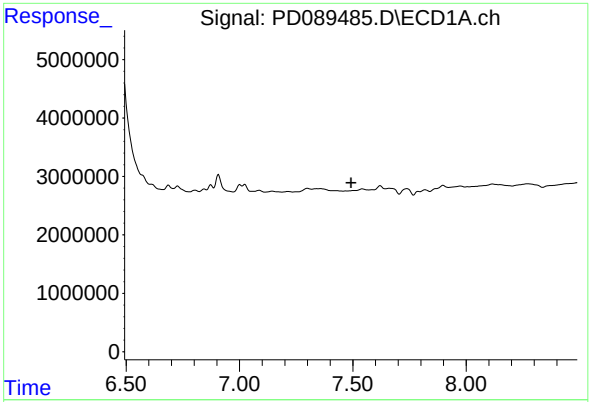
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 290276
Conc: 0.08 ng/ml



#19 Endosulfan Sulfate

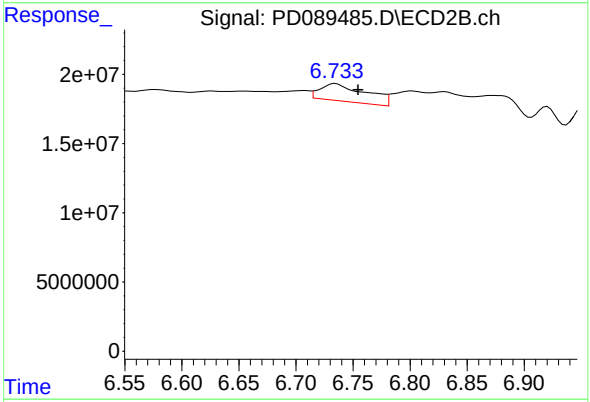
R.T.: 6.479 min
Delta R.T.: -0.003 min
Response: 8284353
Conc: 0.42 ng/ml



#20 Methoxychlor

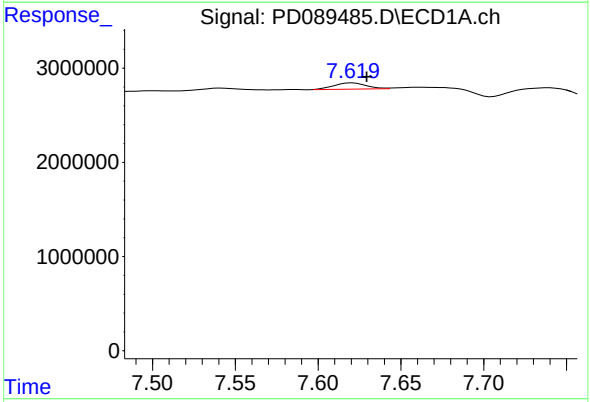
R.T.: 0.000 min
Exp R.T. : 7.493 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



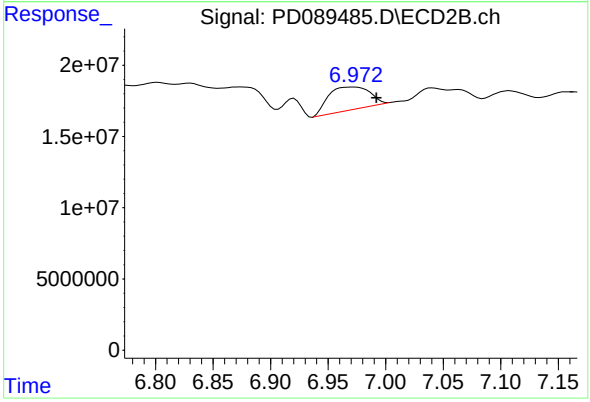
#20 Methoxychlor

R.T.: 6.735 min
Delta R.T.: -0.020 min
Response: 35357666
Conc: 3.28 ng/ml



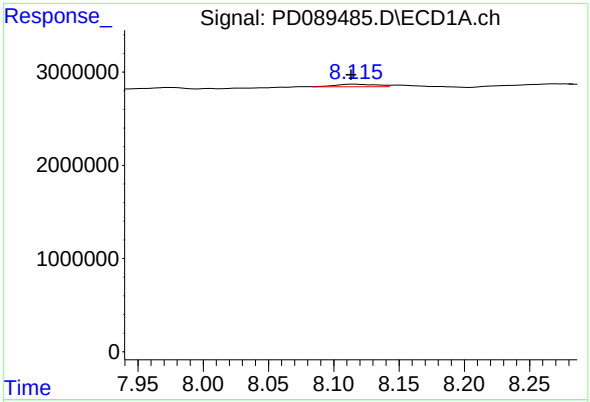
#21 Endrin ketone

R.T.: 7.621 min
Delta R.T.: -0.009 min
Response: 897187
Conc: 0.22 ng/ml



#21 Endrin ketone

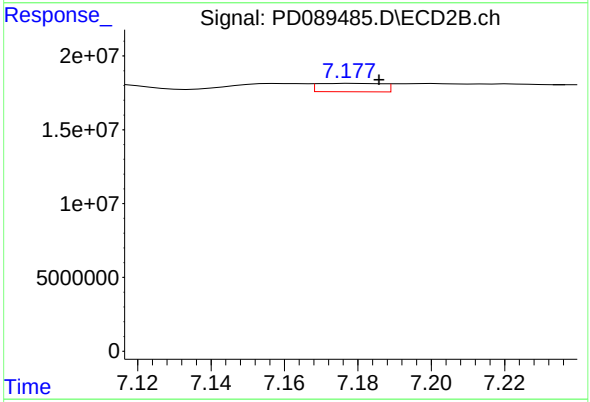
R.T.: 6.973 min
Delta R.T.: -0.019 min
Response: 40257028
Conc: 1.86 ng/ml



#22 Mirex

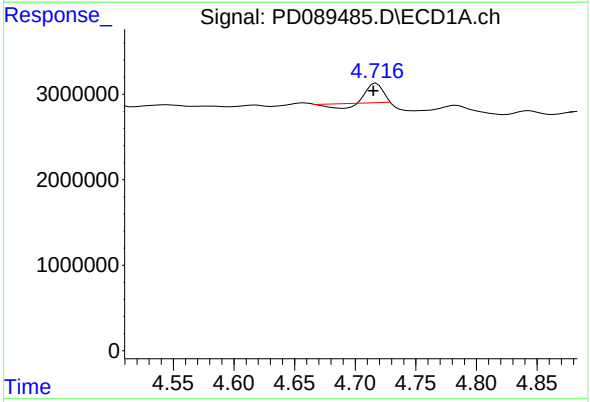
R.T.: 8.116 min
Delta R.T.: 0.003 min
Response: 618697
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



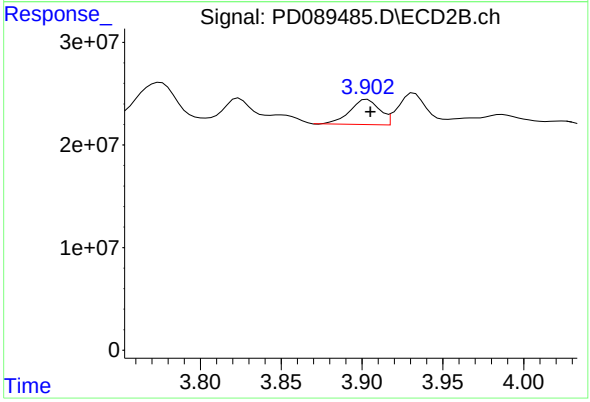
#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.008 min
Response: 6904459
Conc: 0.41 ng/ml



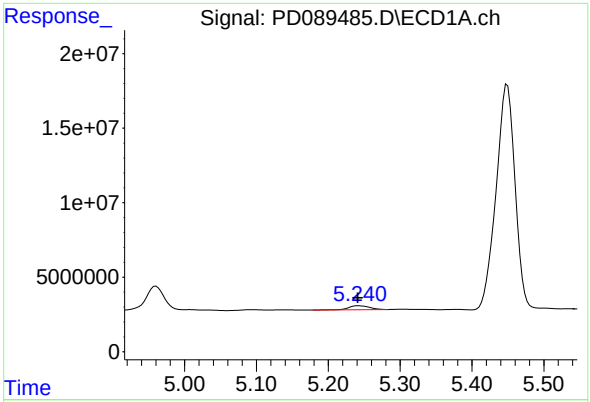
#23 Chlordane-1

R.T.: 4.717 min
Delta R.T.: 0.002 min
Response: 1460227
Conc: 6.82 ng/ml



#23 Chlordane-1

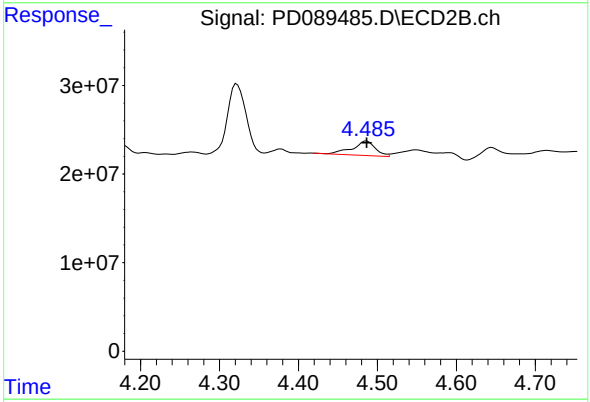
R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 31073939
Conc: 33.33 ng/ml



#24 Chlordane-2

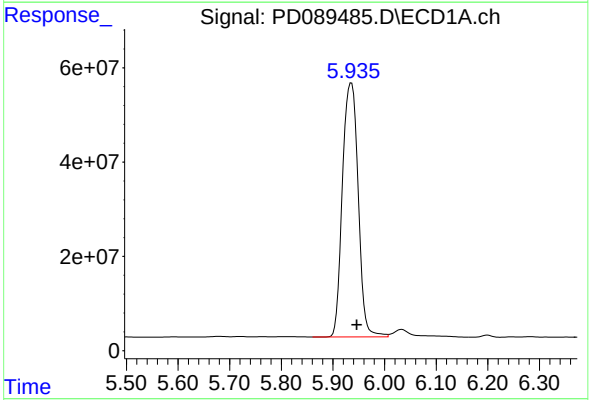
R.T.: 5.242 min
Delta R.T.: 0.001 min
Response: 5443068
Conc: 24.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



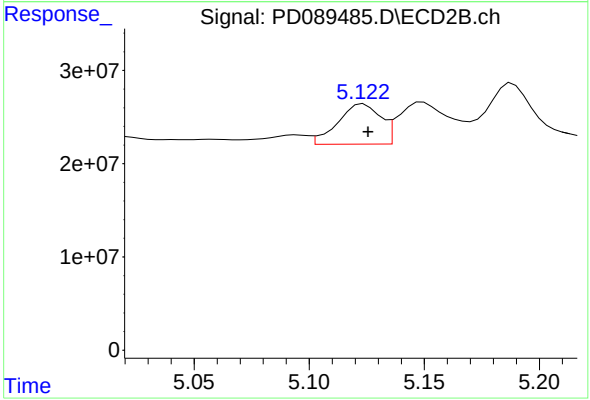
#24 Chlordane-2

R.T.: 4.486 min
Delta R.T.: 0.000 min
Response: 33524293
Conc: 35.23 ng/ml



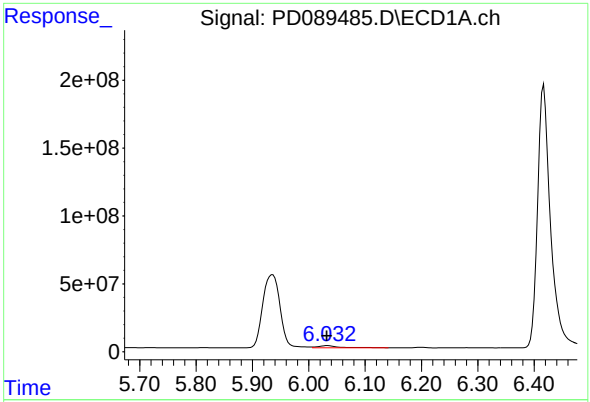
#25 Chlordane-3

R.T.: 5.936 min
Delta R.T.: -0.010 min
Response: 1145037450
Conc: 1327.61 ng/ml



#25 Chlordane-3

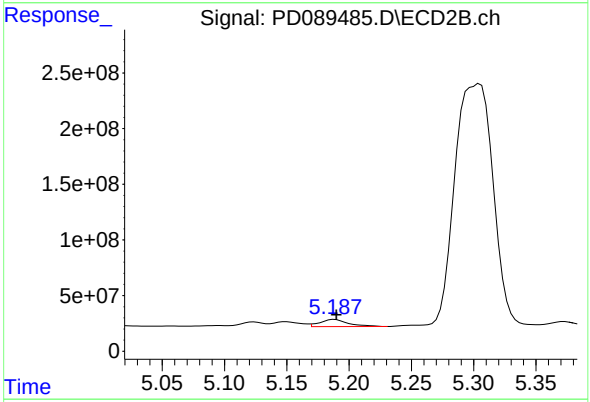
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 55469070
Conc: 18.68 ng/ml



#26 Chlordane-4

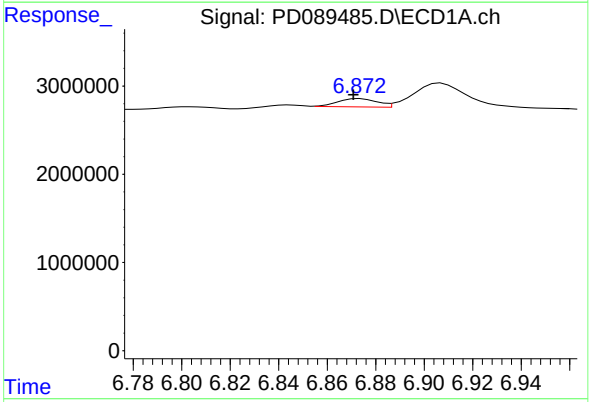
R.T.: 6.033 min
Delta R.T.: 0.001 min
Response: 39735584
Conc: 37.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



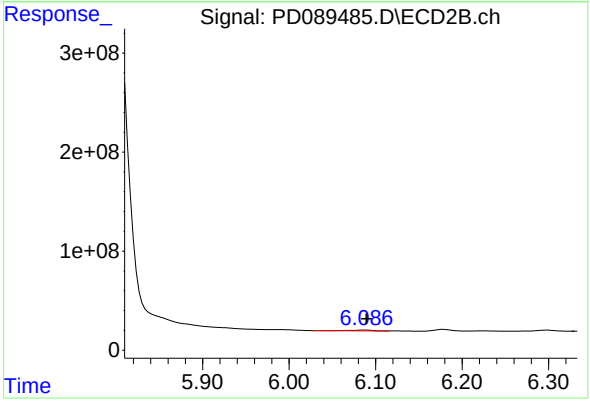
#26 Chlordane-4

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 101309116
Conc: 40.42 ng/ml



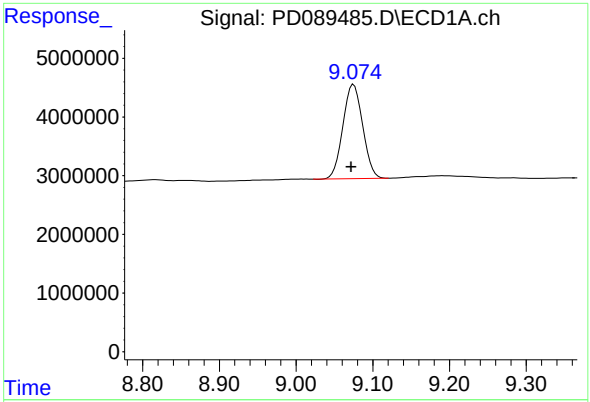
#27 Chlordane-5

R.T.: 6.873 min
Delta R.T.: 0.003 min
Response: 1077242
Conc: 5.89 ng/ml



#27 Chlordane-5

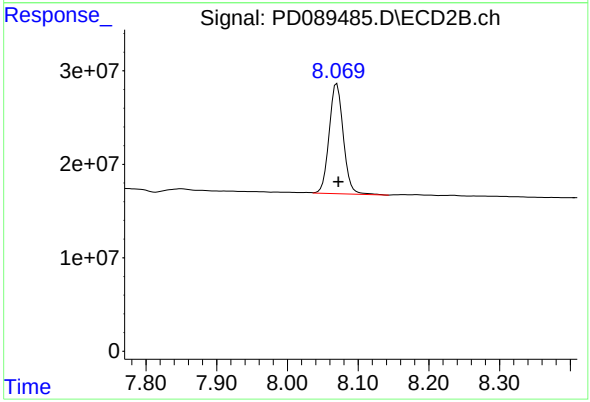
R.T.: 6.088 min
Delta R.T.: -0.002 min
Response: 14103251
Conc: 12.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.003 min
Response: 28951886
Conc: 7.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 163820301
Conc: 8.29 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:14
Operator : AR\AJ
Sample : Q2555-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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...	3.550	2.880	25610803	183.0E6	8.976	10.796	
28)	SA Decachlor...	9.071	8.069	26936976	150.3E6	6.858	7.604	
	Target Compounds							
2)	A alpha-BHC	3.978f	3.403	1043872	13465640	0.179	0.503	#
3)	MA gamma-BHC...	0.000	3.747f	0	355734	N.D.	0.014	#
4)	MA Heptachlor	4.929	4.081	1589300	21991211	0.292	0.878	#
5)	MB Aldrin	5.301f	4.375	178968	1128645	0.034	0.047	#
6)	B beta-BHC	4.544f	0.000	280889	0	0.127	N.D.	#
7)	B delta-BHC	4.777	4.267	1539725	3558239	0.300	0.143	#
8)	B Heptachlo...	5.673f	4.871	2520896	15483858	0.523	0.707	#
9)	A Endosulfan I	0.000	5.266f	0	19821627	N.D.	0.951	#
10)	B gamma-Chl...	5.945	5.124	17902405	84990578	3.739	3.553	
11)	B alpha-Chl...	6.029	5.188	29676809	127.6E6	6.133	5.573	
12)	B 4,4'-DDE	6.194	5.373	5760393	40869802	1.321	1.783	#
13)	MA Dieldrin	6.346	5.507	396722	32432262	0.083	1.397	#
14)	MA Endrin	6.573	5.790	565574	8333079	0.137	0.384	#
15)	B Endosulfa...	6.793	6.087	251831	16364740	0.062	0.810	#
16)	A 4,4'-DDD	6.724f	5.927	1251006	2942588	0.365	0.154	#
17)	MA 4,4'-DDT	7.019	6.178	1683250	25912125	0.444	1.278	#
18)	B Endrin al...	0.000	6.277f	0	5464178	N.D.	0.357	#
19)	B Endosulfa...	7.141	6.478	139304	3315908	0.036	0.169	#
20)	A Methoxychlor	0.000	6.734f	0	10743452	N.D.	0.998	#
21)	B Endrin ke...	7.615	6.985	763185	2622243	0.187	0.121	#
22)	Mirex	0.000	7.177	0	23455820	N.D.	1.406	#
23)	Chlordane-1	4.713	3.904	4683855	55323141	21.885	59.344	#
24)	Chlordane-2	5.239	4.487	7728897	41804939	35.403	43.930	
25)	Chlordane-3	5.945	5.124	17902405	84990578	20.757	28.614	#
26)	Chlordane-4	6.029	5.188	29676809	127.6E6	28.245	50.908	#
27)	Chlordane-5	6.870	6.087	2208355	16364740	12.083	14.461	

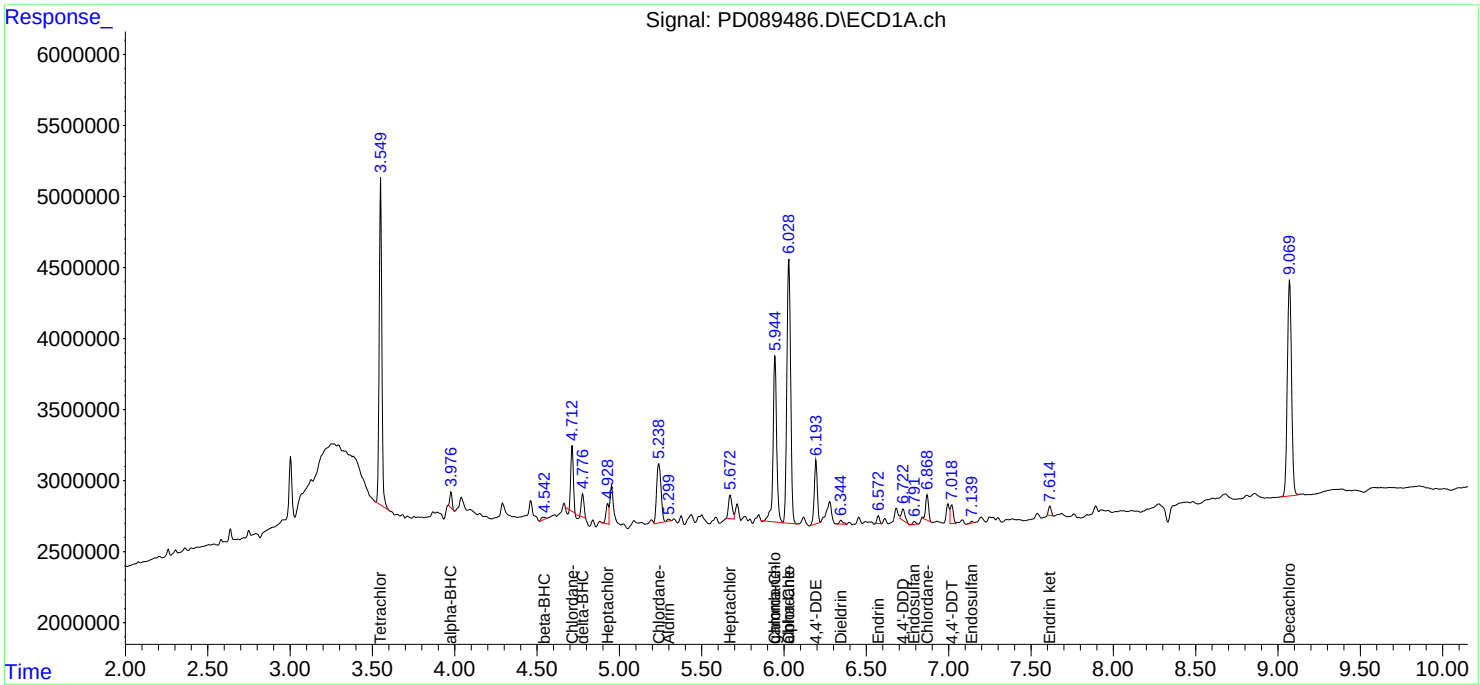
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

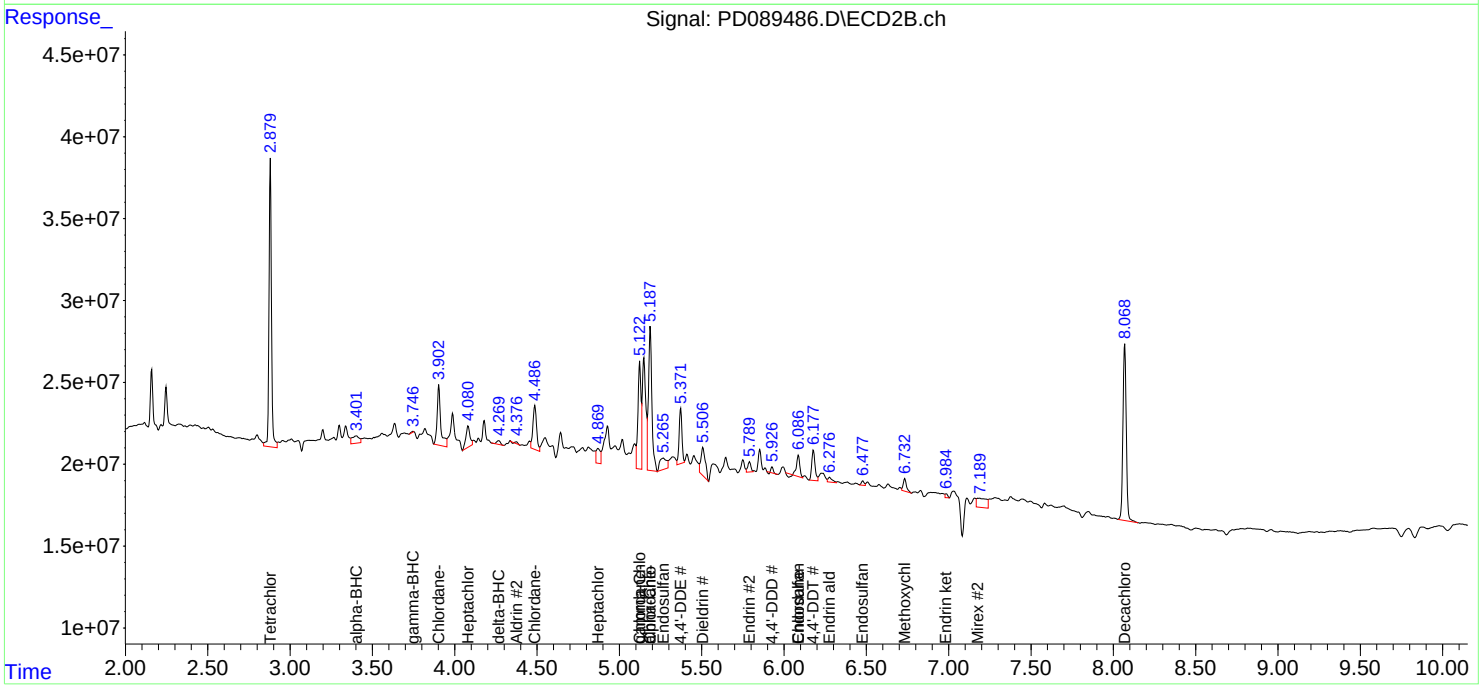
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
Data File : PD089486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:14
Operator : AR\AJ
Sample : Q2555-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

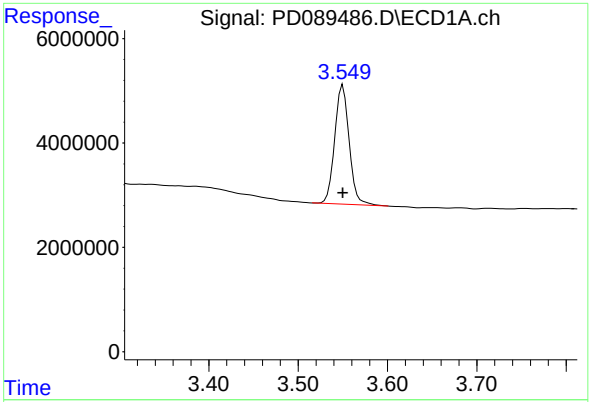
Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 08:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



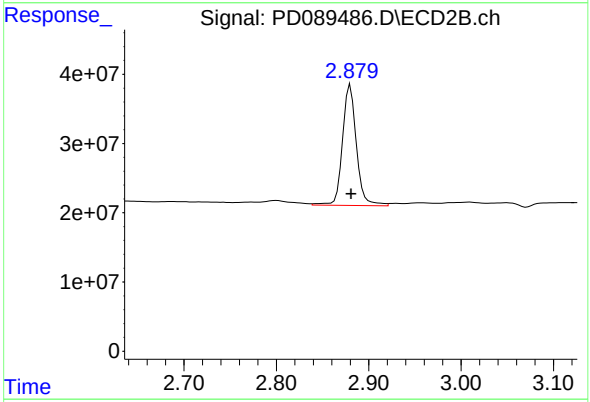




#1 Tetrachloro-m-xylene

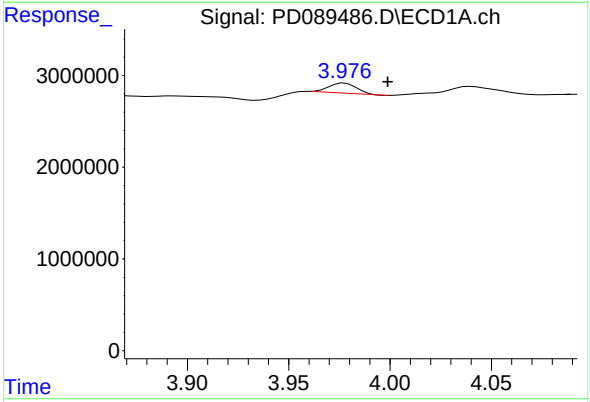
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 25610803
Conc: 8.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



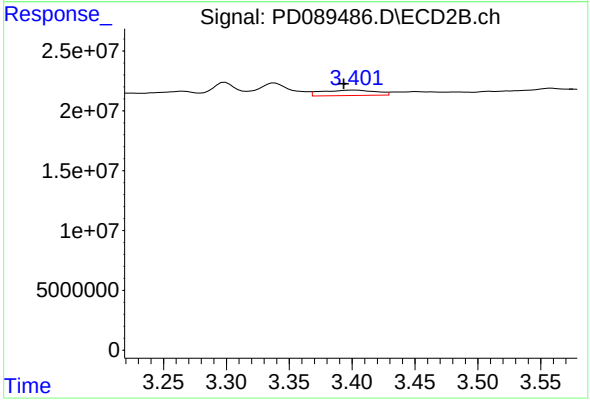
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 183034473
Conc: 10.80 ng/ml



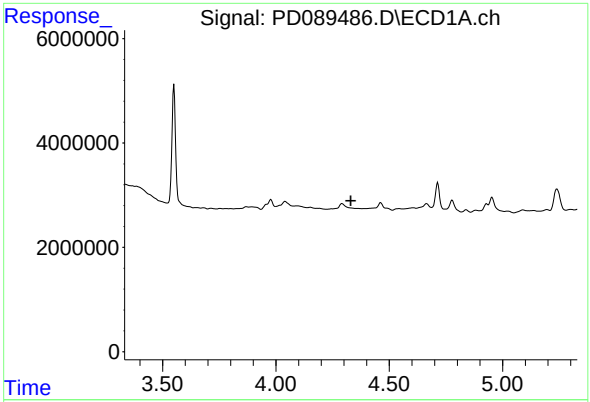
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.021 min
Response: 1043872
Conc: 0.18 ng/ml



#2 alpha-BHC

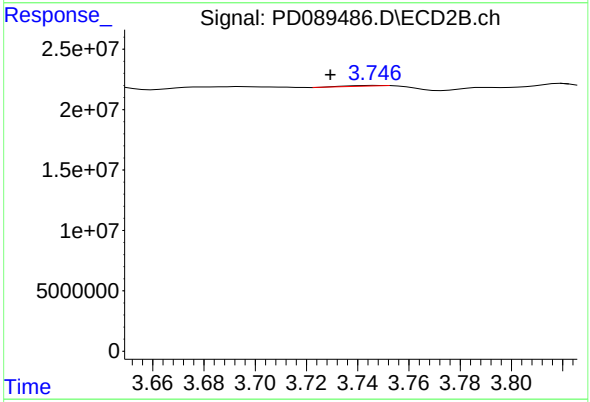
R.T.: 3.403 min
Delta R.T.: 0.010 min
Response: 13465640
Conc: 0.50 ng/ml



#3 gamma-BHC (Lindane)

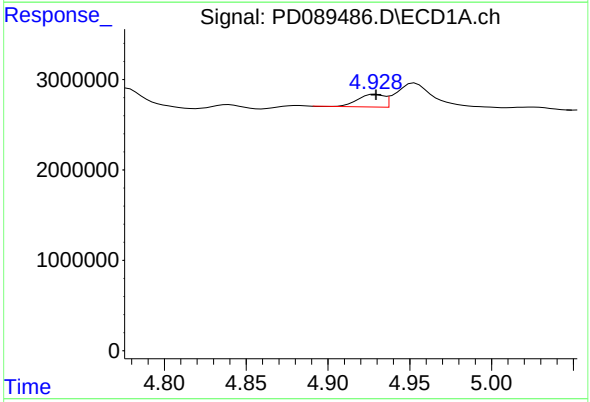
R.T.: 0.000 min
Exp R.T. : 4.330 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



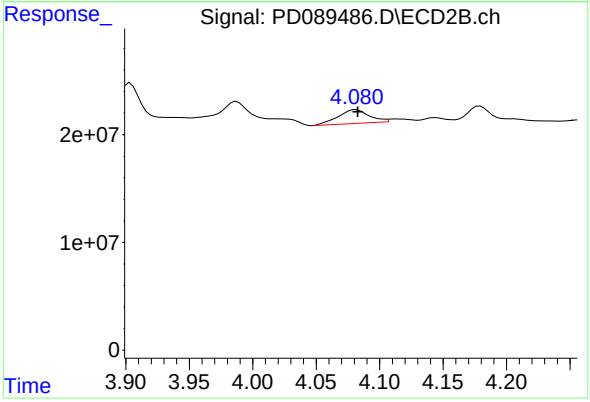
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: 0.018 min
Response: 355734
Conc: 0.01 ng/ml



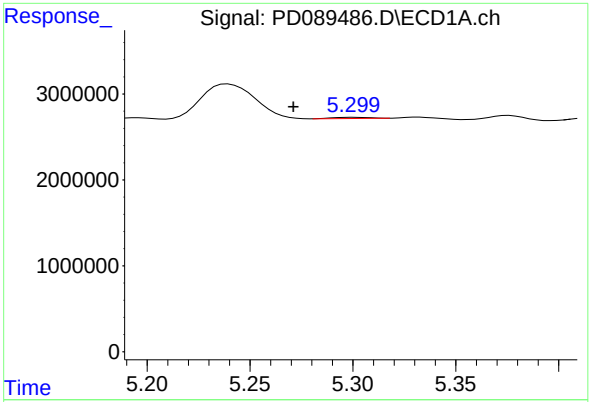
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 1589300
Conc: 0.29 ng/ml



#4 Heptachlor

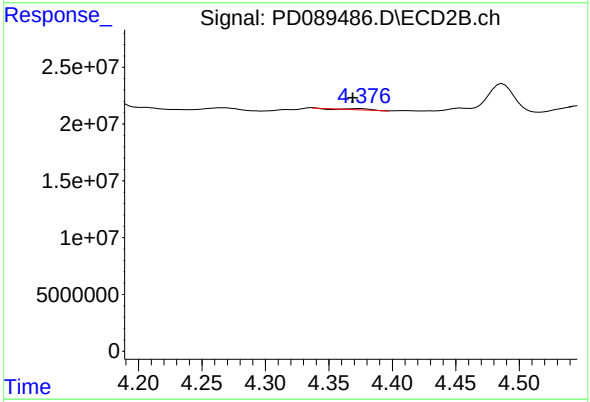
R.T.: 4.081 min
Delta R.T.: -0.001 min
Response: 21991211
Conc: 0.88 ng/ml



#5 Aldrin

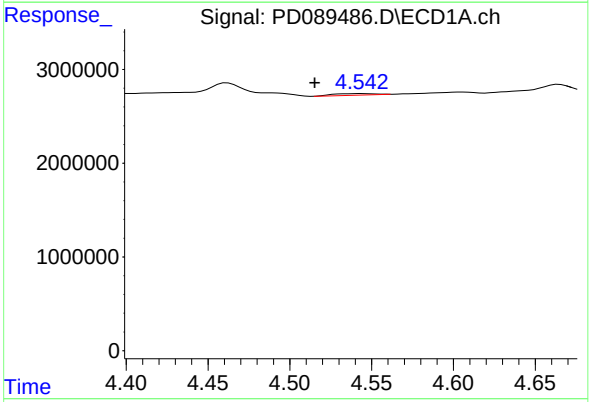
R.T.: 5.301 min
Delta R.T.: 0.030 min
Response: 178968
Conc: 0.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



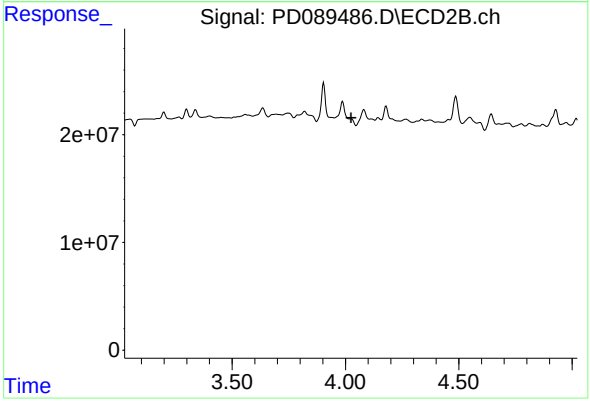
#5 Aldrin

R.T.: 4.375 min
Delta R.T.: 0.006 min
Response: 1128645
Conc: 0.05 ng/ml



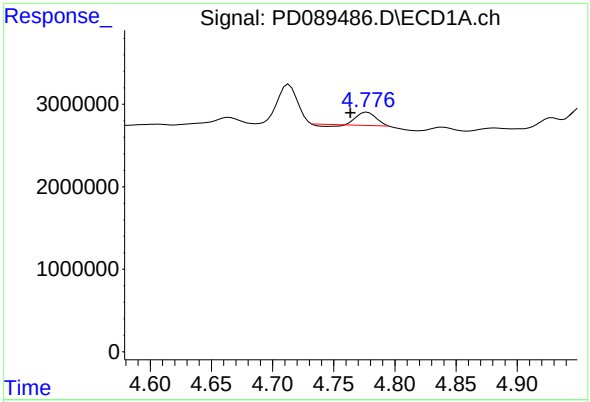
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: 0.028 min
Response: 280889
Conc: 0.13 ng/ml



#6 beta-BHC

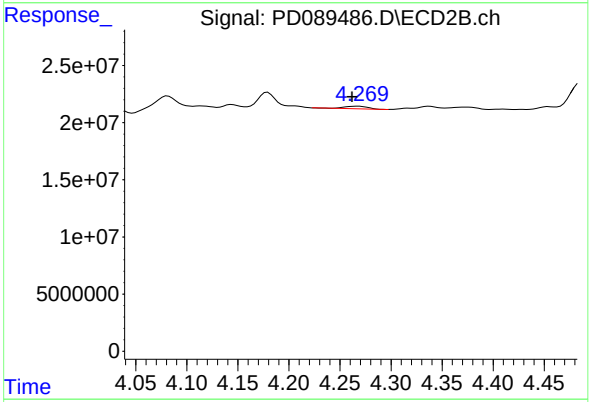
R.T.: 0.000 min
Exp R.T. : 4.025 min
Response: 0
Conc: N.D.



#7 delta-BHC

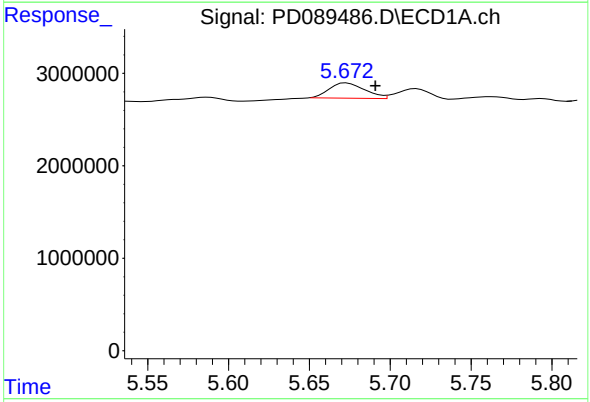
R.T.: 4.777 min
Delta R.T.: 0.014 min
Response: 1539725
Conc: 0.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



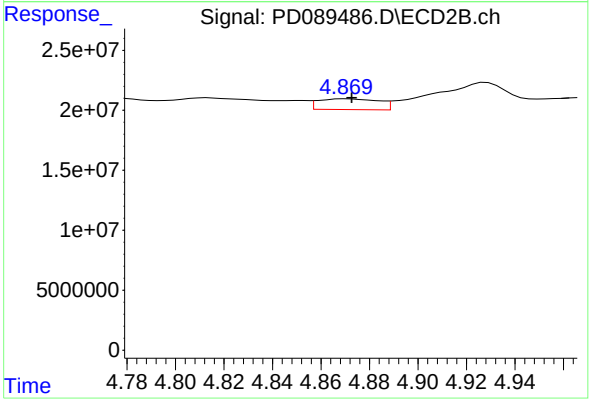
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.005 min
Response: 3558239
Conc: 0.14 ng/ml



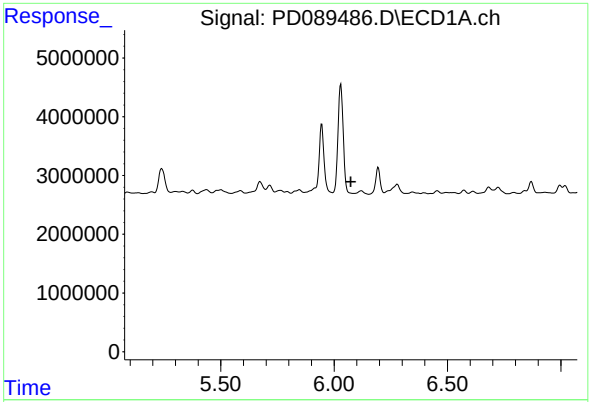
#8 Heptachlor epoxide

R.T.: 5.673 min
Delta R.T.: -0.018 min
Response: 2520896
Conc: 0.52 ng/ml



#8 Heptachlor epoxide

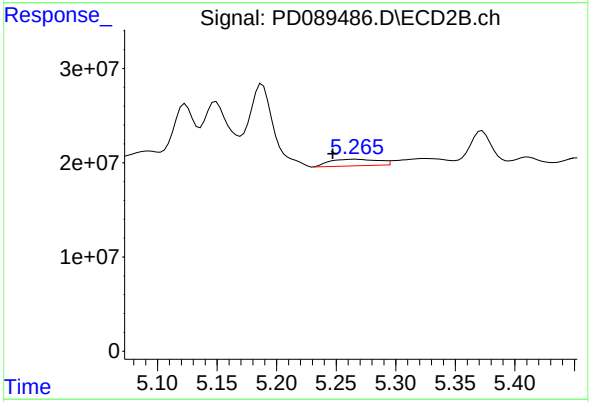
R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 15483858
Conc: 0.71 ng/ml



#9 Endosulfan I

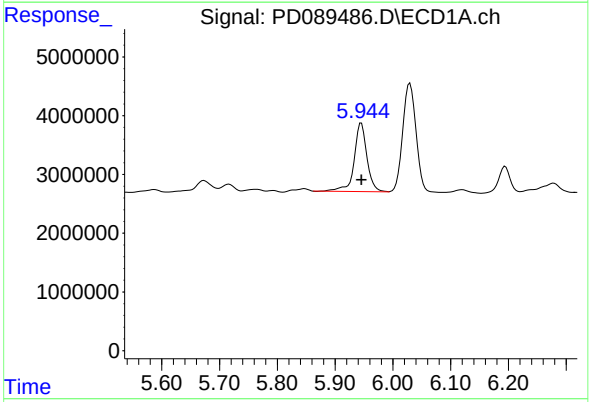
R.T.: 0.000 min
Exp R.T. : 6.074 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



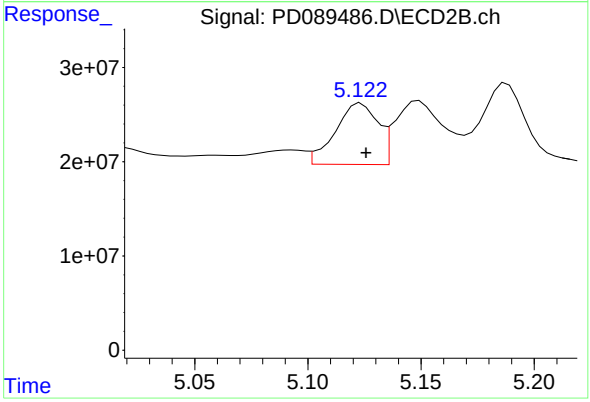
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.019 min
Response: 19821627
Conc: 0.95 ng/ml



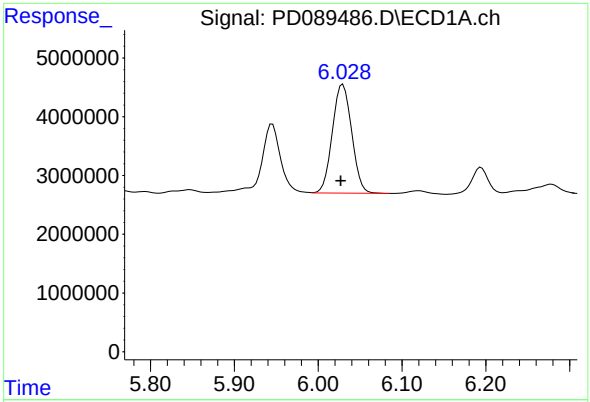
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 17902405
Conc: 3.74 ng/ml



#10 gamma-Chlordane

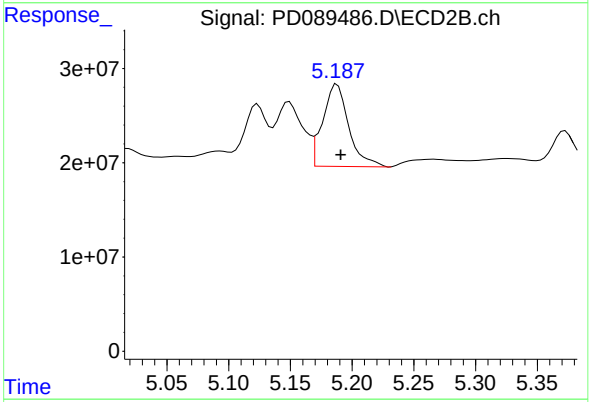
R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 84990578
Conc: 3.55 ng/ml



#11 alpha-Chlordane

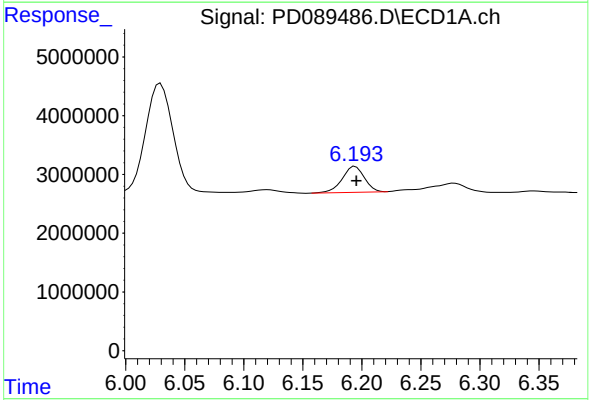
R.T.: 6.029 min
Delta R.T.: 0.003 min
Response: 29676809
Conc: 6.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



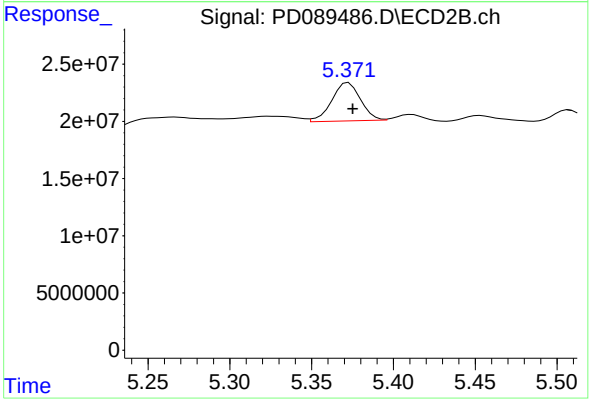
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 127613037
Conc: 5.57 ng/ml



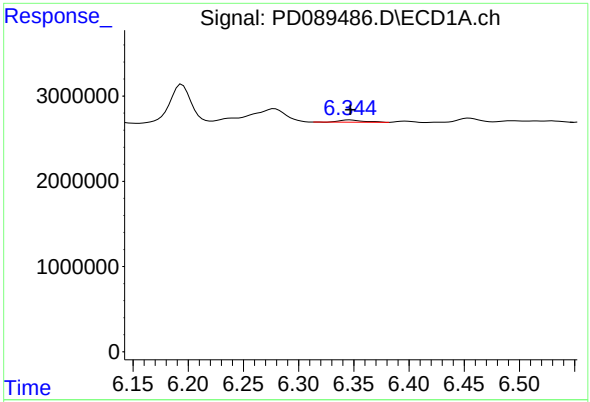
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 5760393
Conc: 1.32 ng/ml



#12 4,4'-DDE

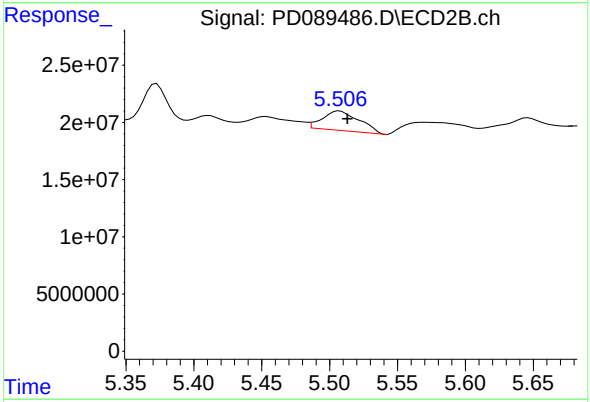
R.T.: 5.373 min
Delta R.T.: -0.003 min
Response: 40869802
Conc: 1.78 ng/ml



#13 Dieldrin

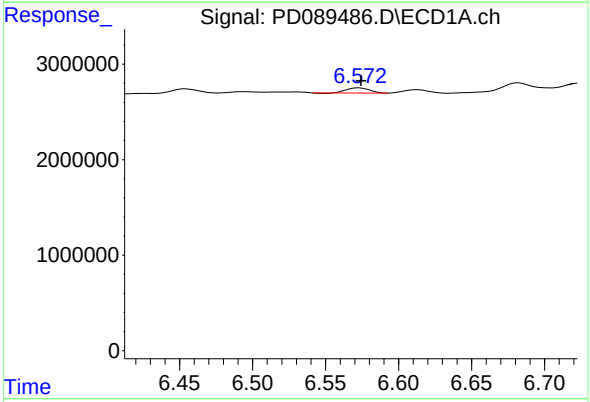
R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 396722
Conc: 0.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



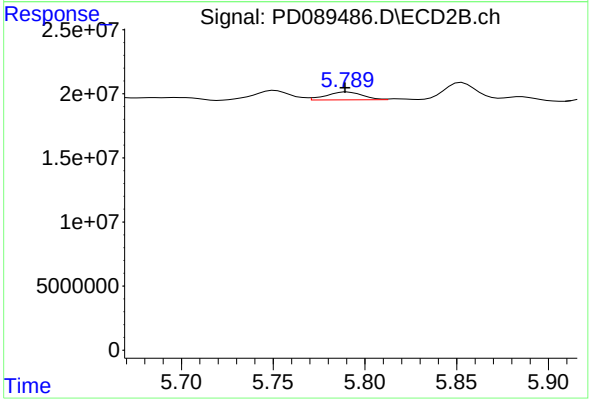
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.006 min
Response: 32432262
Conc: 1.40 ng/ml



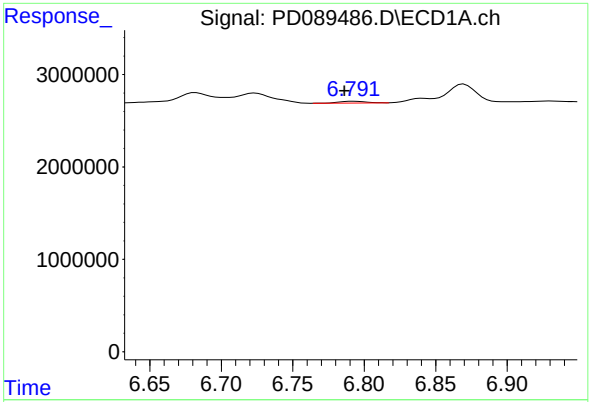
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 565574
Conc: 0.14 ng/ml



#14 Endrin

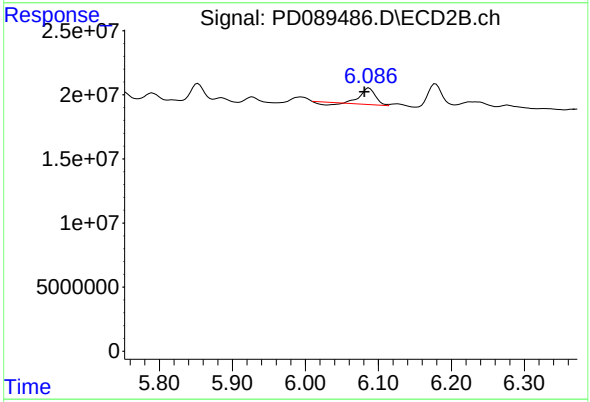
R.T.: 5.790 min
Delta R.T.: 0.001 min
Response: 8333079
Conc: 0.38 ng/ml



#15 Endosulfan II

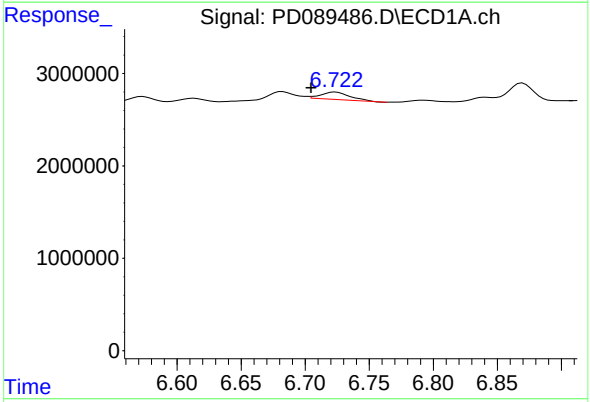
R.T.: 6.793 min
Delta R.T.: 0.006 min
Response: 251831
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



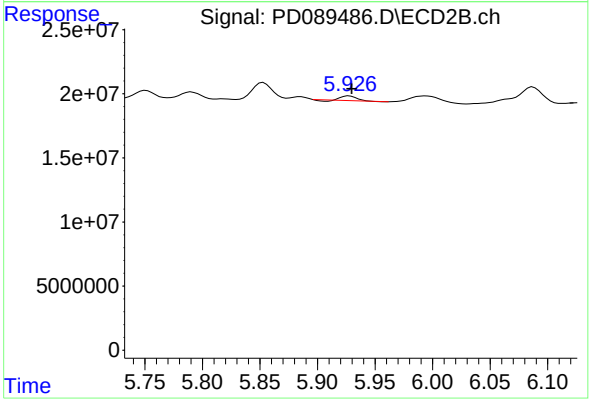
#15 Endosulfan II

R.T.: 6.087 min
Delta R.T.: 0.006 min
Response: 16364740
Conc: 0.81 ng/ml



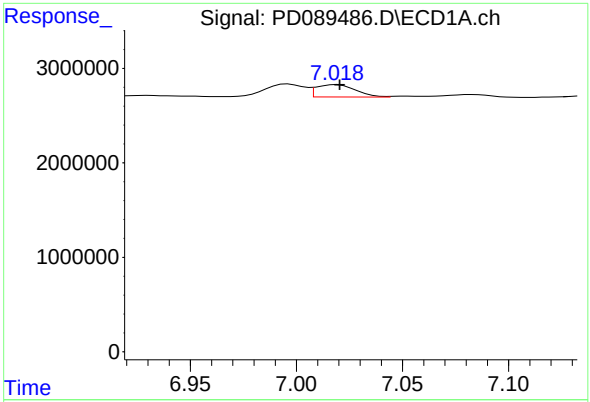
#16 4,4'-DDD

R.T.: 6.724 min
Delta R.T.: 0.019 min
Response: 1251006
Conc: 0.36 ng/ml



#16 4,4'-DDD

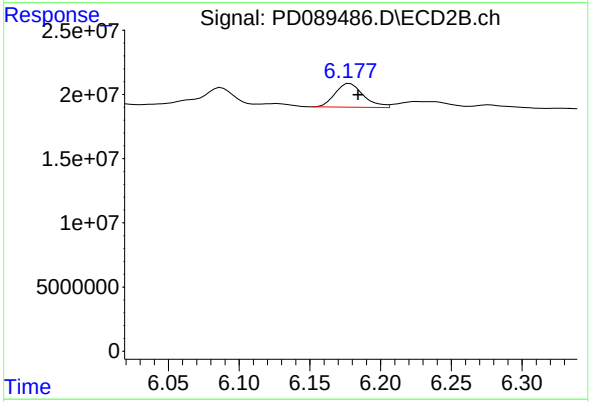
R.T.: 5.927 min
Delta R.T.: -0.002 min
Response: 2942588
Conc: 0.15 ng/ml



#17 4,4'-DDT

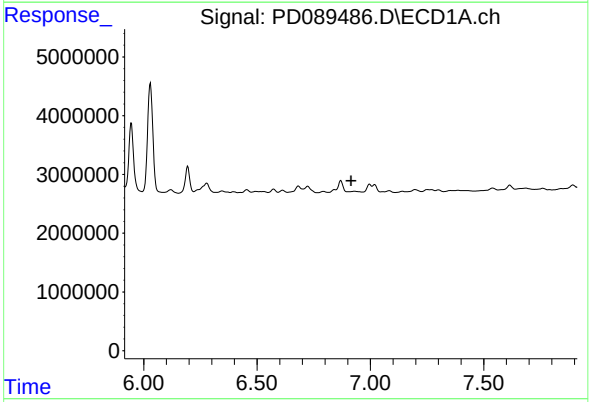
R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 1683250
Conc: 0.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



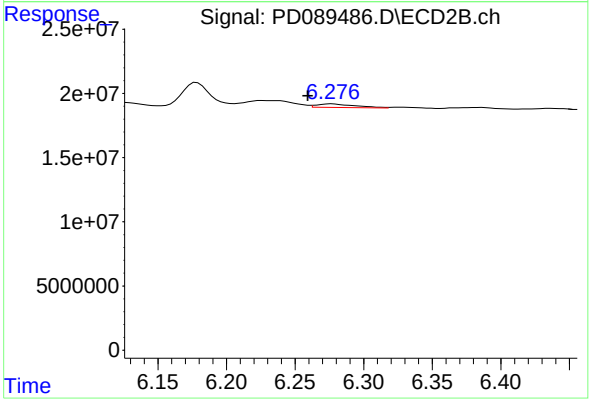
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.006 min
Response: 25912125
Conc: 1.28 ng/ml



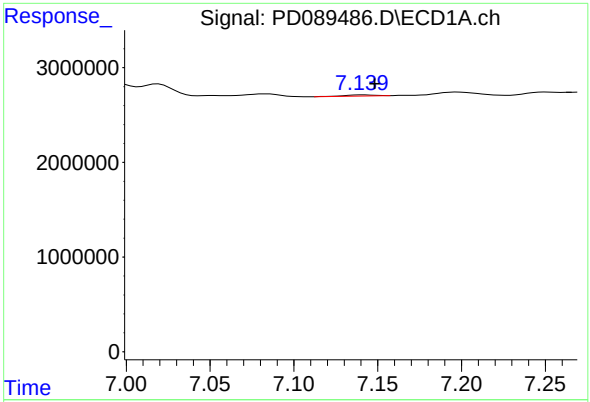
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.915 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

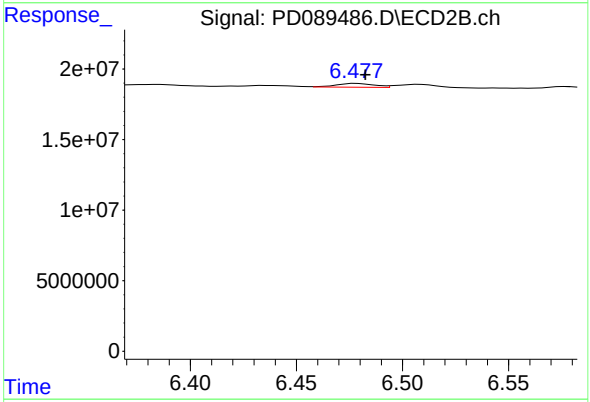
R.T.: 6.277 min
Delta R.T.: 0.018 min
Response: 5464178
Conc: 0.36 ng/ml



#19 Endosulfan Sulfate

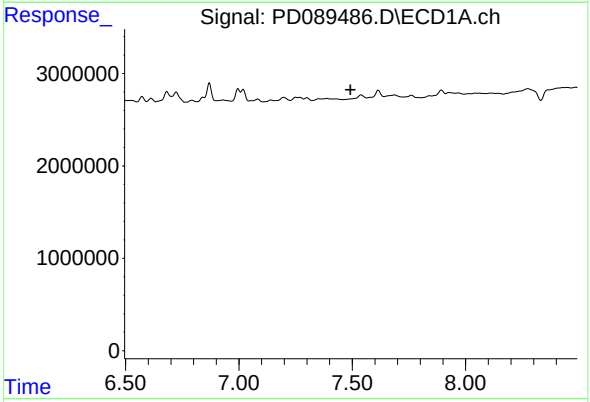
R.T.: 7.141 min
Delta R.T.: -0.007 min
Response: 139304
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



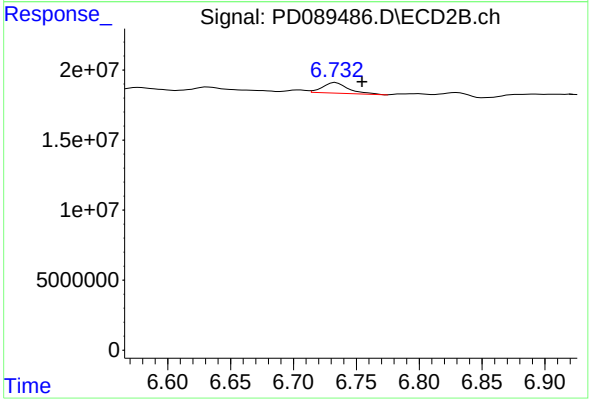
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.004 min
Response: 3315908
Conc: 0.17 ng/ml



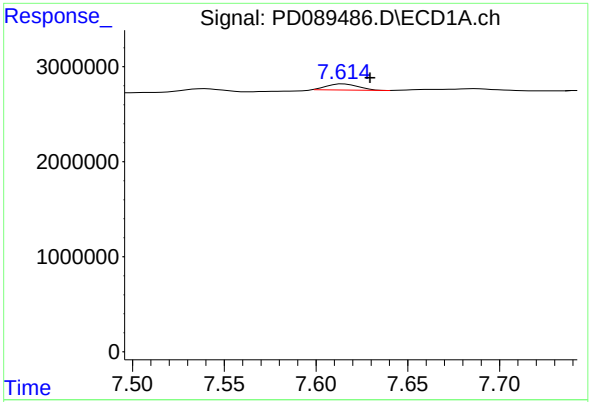
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.493 min
Response: 0
Conc: N.D.



#20 Methoxychlor

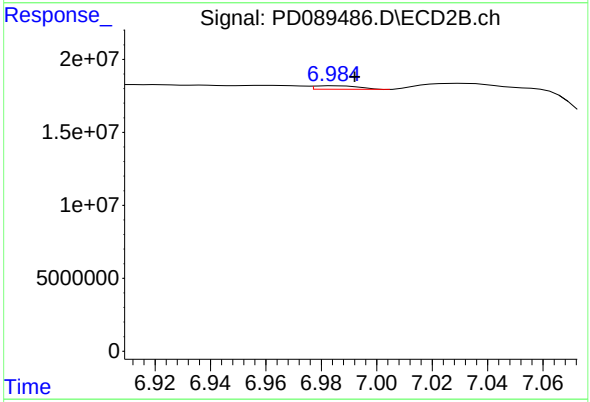
R.T.: 6.734 min
Delta R.T.: -0.021 min
Response: 10743452
Conc: 1.00 ng/ml



#21 Endrin ketone

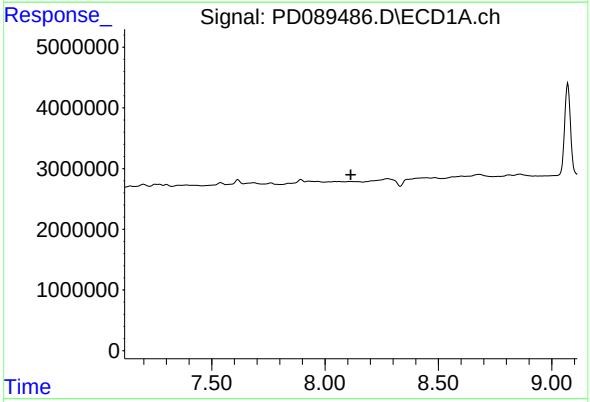
R.T.: 7.615 min
Delta R.T.: -0.014 min
Response: 763185
Conc: 0.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



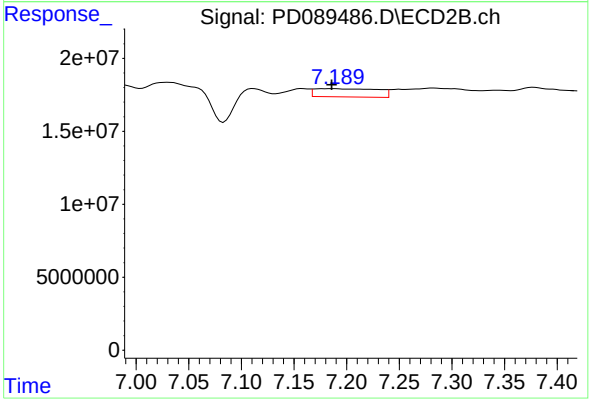
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.007 min
Response: 2622243
Conc: 0.12 ng/ml



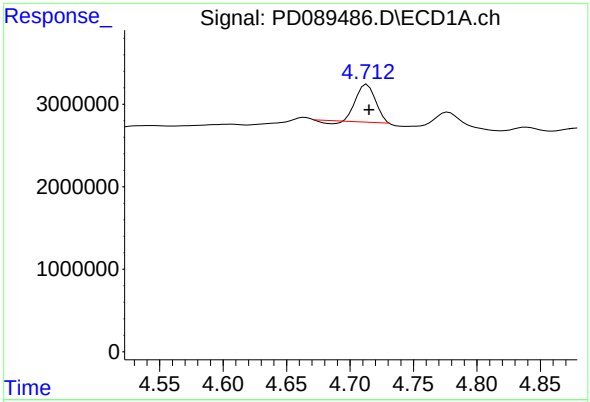
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.113 min
Response: 0
Conc: N.D.



#22 Mirex

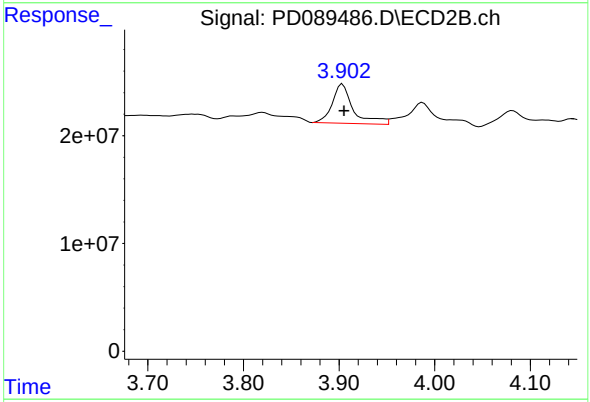
R.T.: 7.177 min
Delta R.T.: -0.009 min
Response: 23455820
Conc: 1.41 ng/ml



#23 Chlordane-1

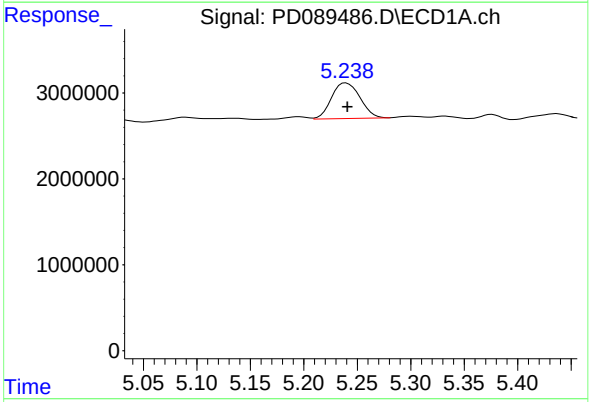
R.T.: 4.713 min
Delta R.T.: -0.002 min
Response: 4683855
Conc: 21.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



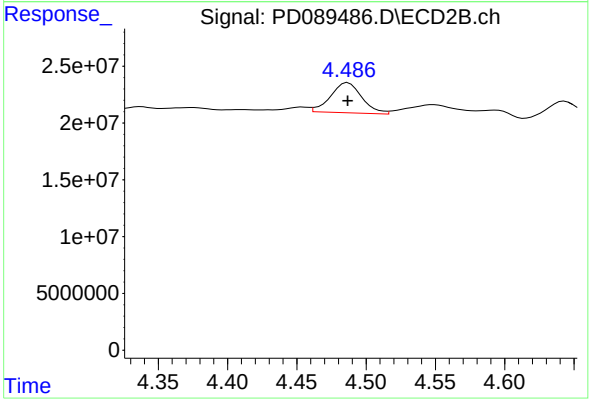
#23 Chlordane-1

R.T.: 3.904 min
Delta R.T.: -0.002 min
Response: 55323141
Conc: 59.34 ng/ml



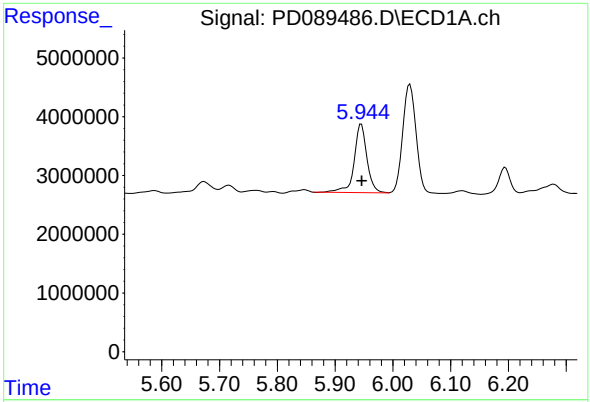
#24 Chlordane-2

R.T.: 5.239 min
Delta R.T.: -0.002 min
Response: 7728897
Conc: 35.40 ng/ml



#24 Chlordane-2

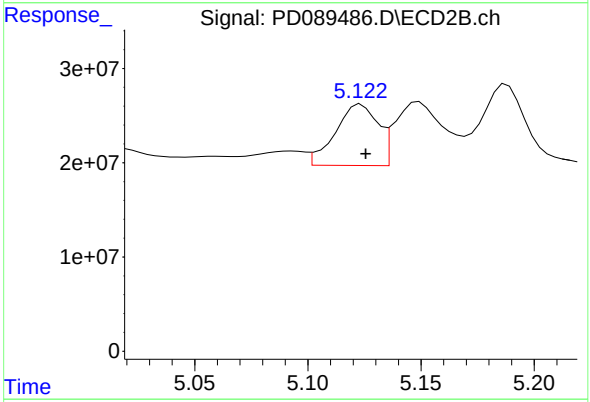
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 41804939
Conc: 43.93 ng/ml



#25 Chlordane-3

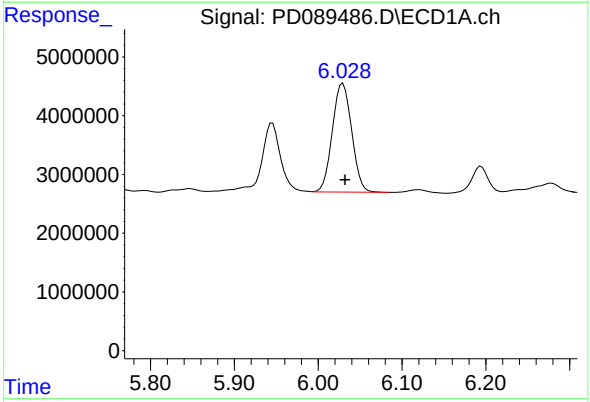
R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 17902405
Conc: 20.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



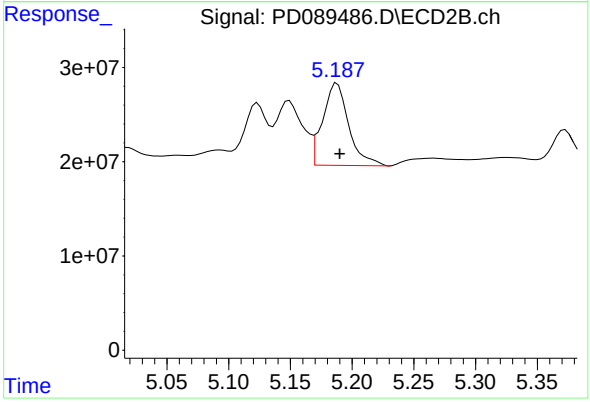
#25 Chlordane-3

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 84990578
Conc: 28.61 ng/ml



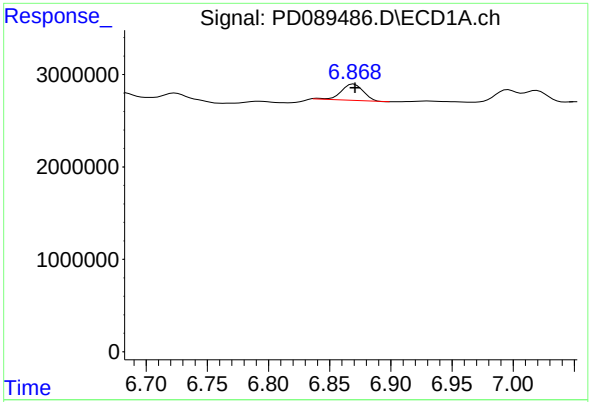
#26 Chlordane-4

R.T.: 6.029 min
Delta R.T.: -0.002 min
Response: 29676809
Conc: 28.24 ng/ml



#26 Chlordane-4

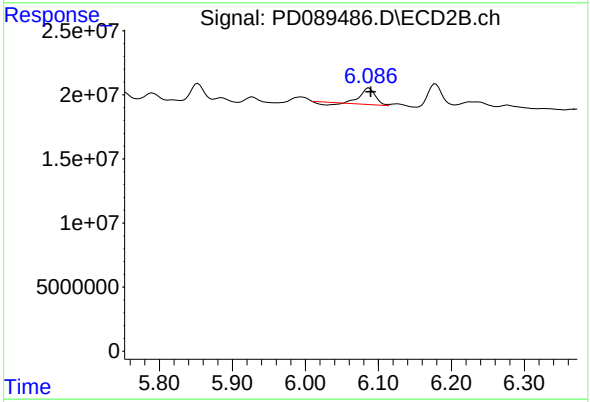
R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 127613037
Conc: 50.91 ng/ml



#27 Chlordane-5

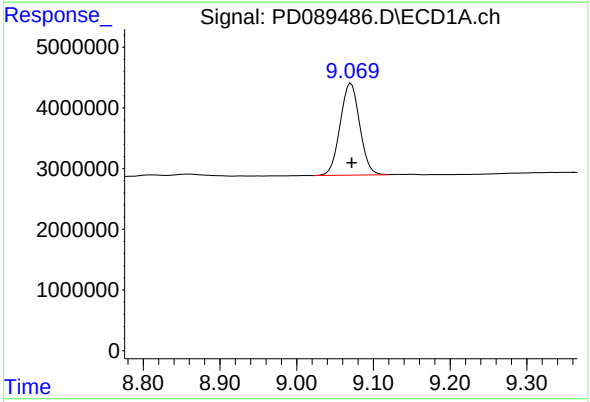
R.T.: 6.870 min
Delta R.T.: -0.001 min
Response: 2208355
Conc: 12.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925



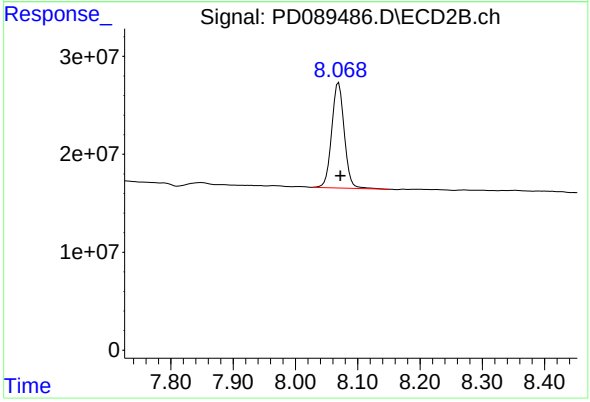
#27 Chlordane-5

R.T.: 6.087 min
Delta R.T.: -0.002 min
Response: 16364740
Conc: 14.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 26936976
Conc: 6.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 150331263
Conc: 7.60 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:22
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: Jul 22 04:41:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	53372260	373.1E6	18.523	19.067	
28)	SA Decachlor...	9.072	8.069	81289525	481.5E6	19.793	19.598	
	Target Compounds							
2)	A alpha-BHC	3.997	3.391	50475537	317.2E6	8.840	10.558	
3)	MA gamma-BHC...	4.328	3.727	50605463	283.2E6	9.172	10.200	
4)	MA Heptachlor	0.000	4.079	0	2072391	N.D.	0.074	#
5)	MB Aldrin	0.000	4.361	0	1387229	N.D.	0.051	#
6)	B beta-BHC	4.514	4.023	20992727	125.0E6	9.736	10.504	
8)	B Heptachlo...	5.682	4.873	2092567	1365749	0.443	0.055	#
9)	A Endosulfan I	0.000	5.227f	0	3119429	N.D.	0.131	#
10)	B gamma-Chl...	5.942	5.127	441851	10666540	0.093	0.399	#
11)	B alpha-Chl...	6.025	5.189	1583084	6110452	0.332	0.237	#
12)	B 4,4'-DDE	6.208	5.376	269690	3380765	0.063	0.129	#
13)	MA Dieldrin	0.000	5.505	0	1338638	N.D.	0.051	#
14)	MA Endrin	6.573	5.787	194.8E6	1134.7E6	47.840	46.923	
15)	B Endosulfa...	6.769	6.084	1242782	1093245	0.305	0.048	#
16)	A 4,4'-DDD	6.703	5.931	1269926	7637803	0.375	0.348	
17)	MA 4,4'-DDT	7.020	6.181	359.2E6	2130.6E6	95.199	91.024	
18)	B Endrin al...	6.919	6.254	594479	9624267	0.204	0.580	#
19)	B Endosulfa...	0.000	6.477	0	162455	N.D.	0.007	#
20)	A Methoxychlor	7.492	6.751	440.3E6	2299.8E6	219.619	188.633	
21)	B Endrin ke...	7.629	6.988	-90683	9040078	N.D.	0.369	
22)	Mirex	0.000	7.174	0	3755382	N.D.	0.194	#
23)	Chlordane-1	0.000	3.901	0	908164	N.D.	0.978	#
24)	Chlordane-2	0.000	4.484	0	3771235	N.D.	3.847	#
25)	Chlordane-3	5.942	5.127	441851	10666540	0.567	3.695	#
26)	Chlordane-4	6.025	5.189	1583084	6110452	1.668	2.533	#
27)	Chlordane-5	6.870	6.084	254529	1093245	1.543	0.936	#

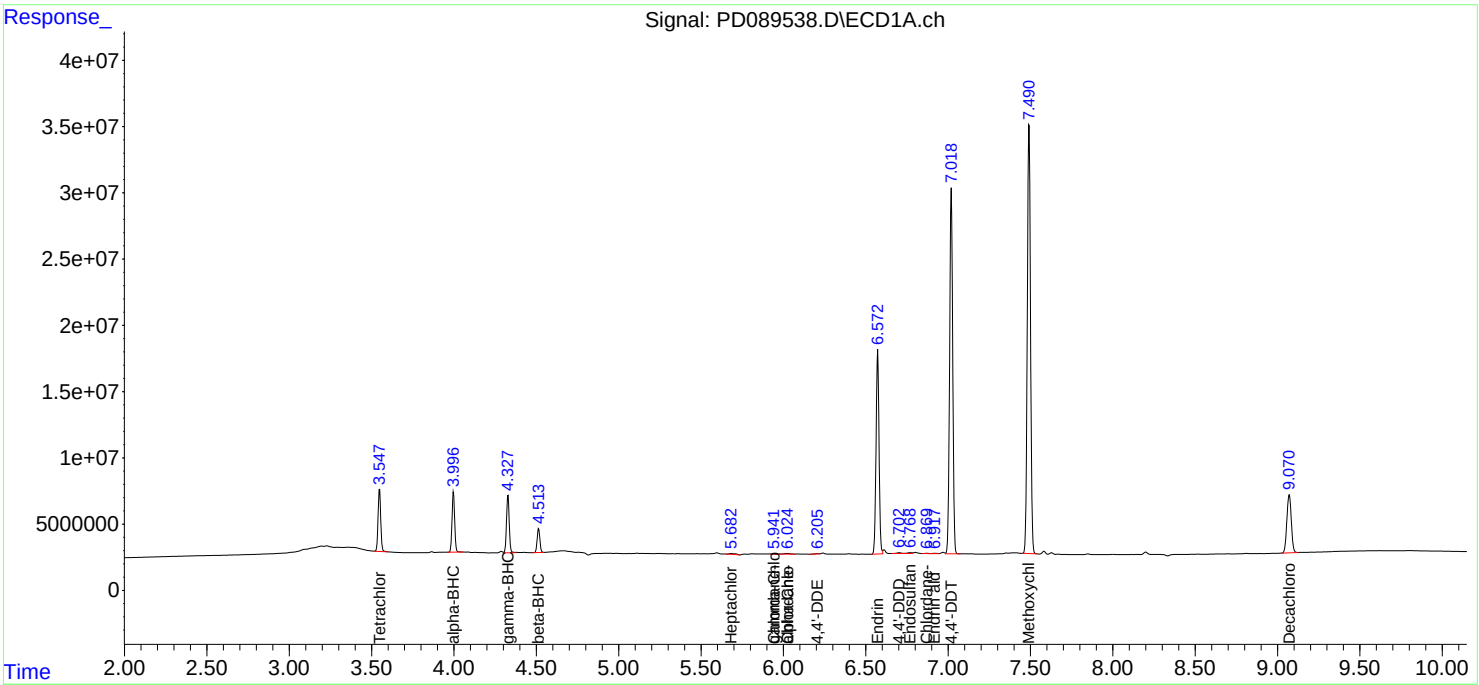
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

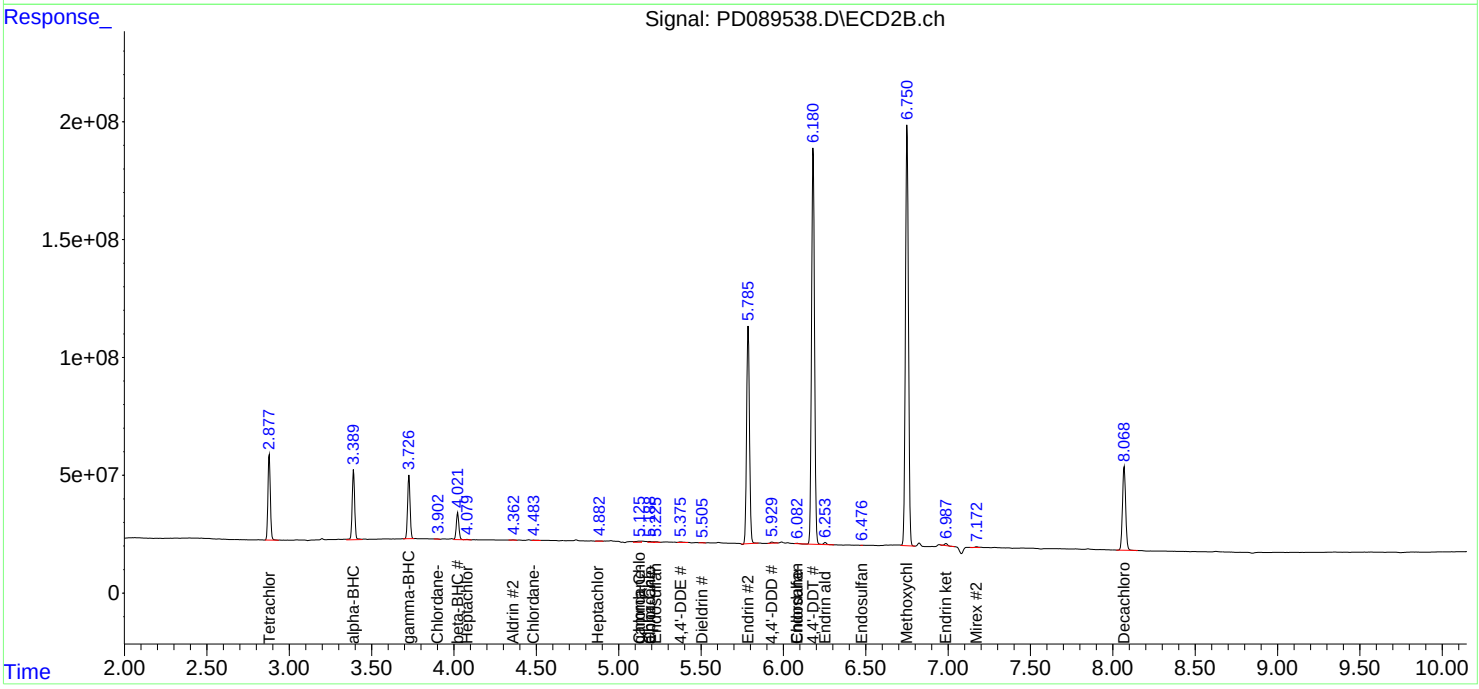
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

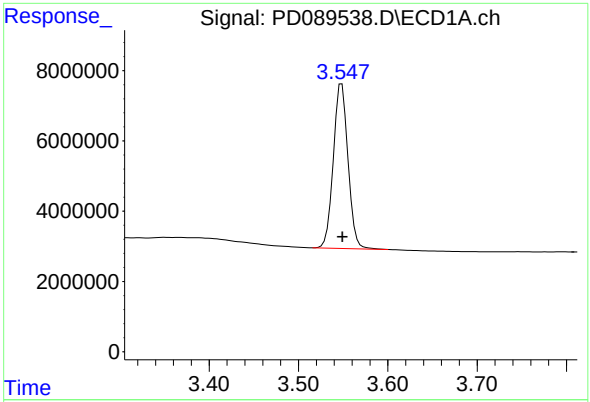
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



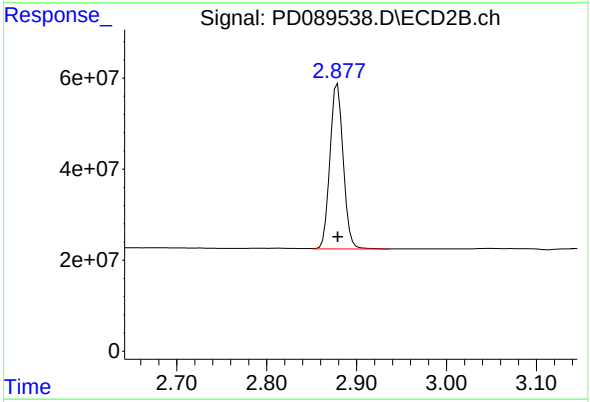




#1 Tetrachloro-m-xylene

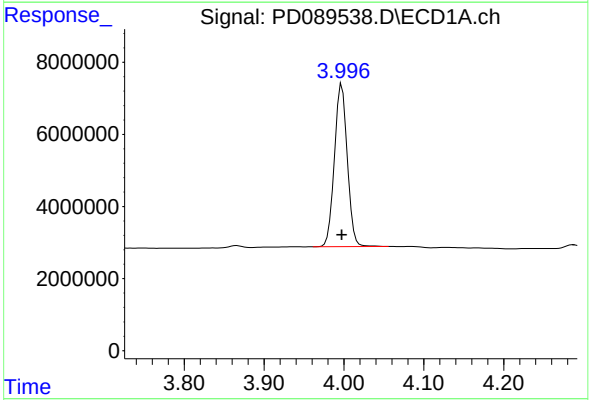
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 53372260
Conc: 18.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



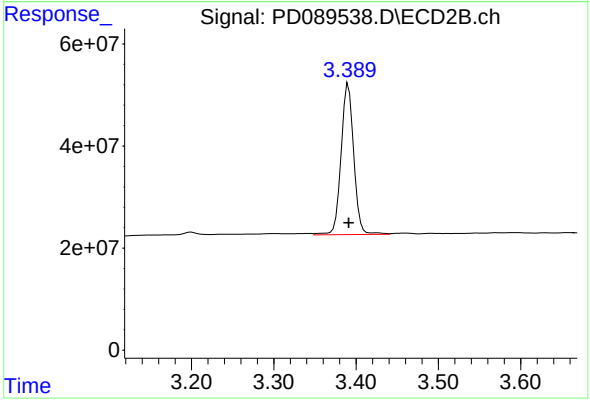
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 373059031
Conc: 19.07 ng/ml



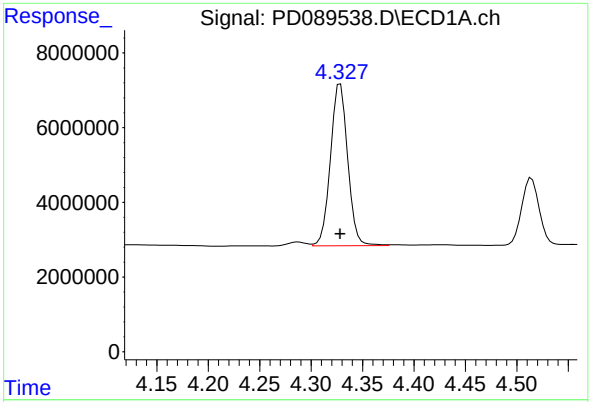
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 50475537
Conc: 8.84 ng/ml



#2 alpha-BHC

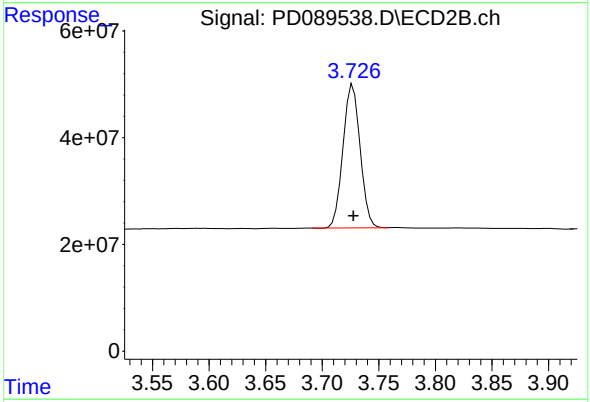
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 317216915
Conc: 10.56 ng/ml



#3 gamma-BHC (Lindane)

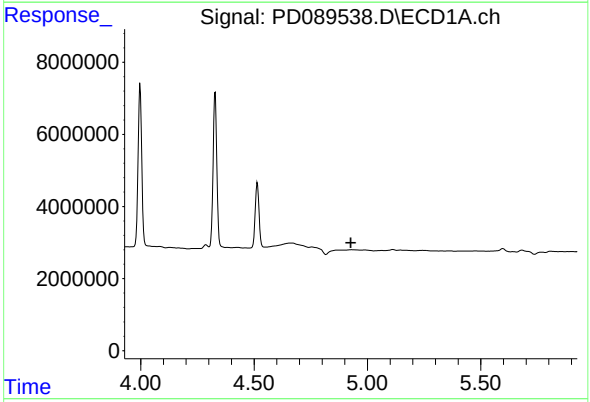
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 50605463
Conc: 9.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



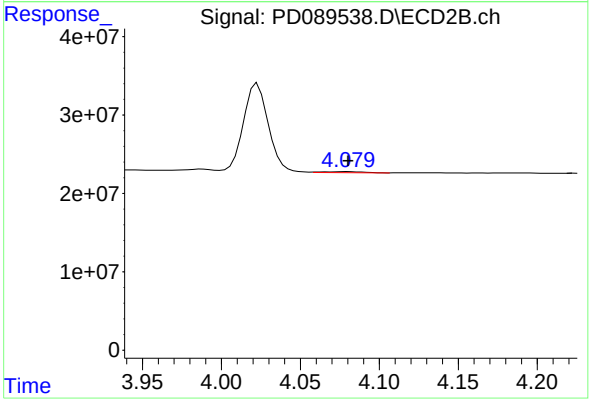
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 283168152
Conc: 10.20 ng/ml



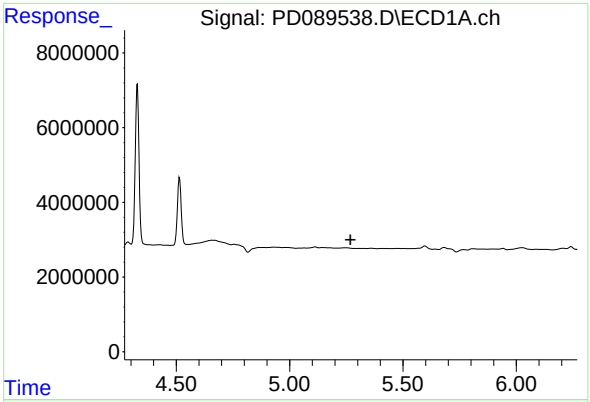
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.927 min
Response: 0
Conc: N.D.



#4 Heptachlor

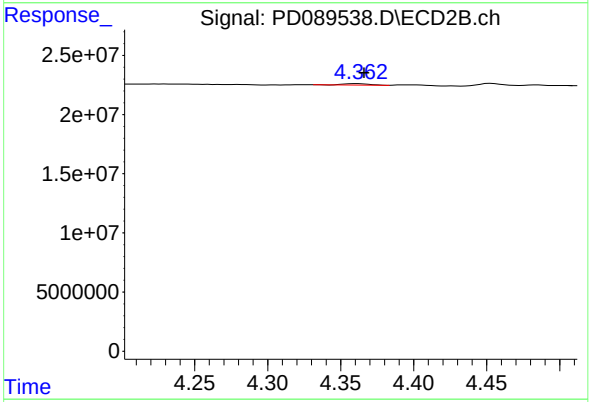
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 2072391
Conc: 0.07 ng/ml



#5 Aldrin

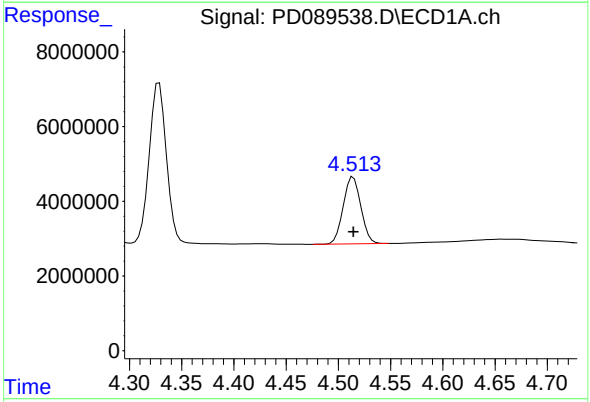
R.T.: 0.000 min
Exp R.T. : 5.269 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



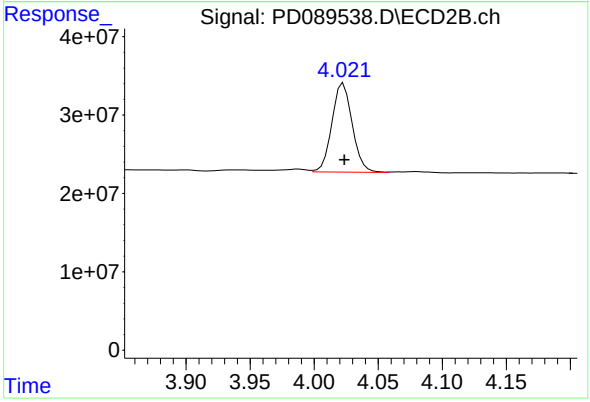
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.005 min
Response: 1387229
Conc: 0.05 ng/ml



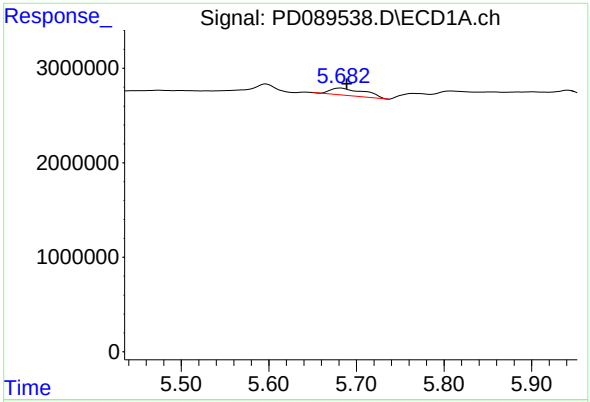
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 20992727
Conc: 9.74 ng/ml



#6 beta-BHC

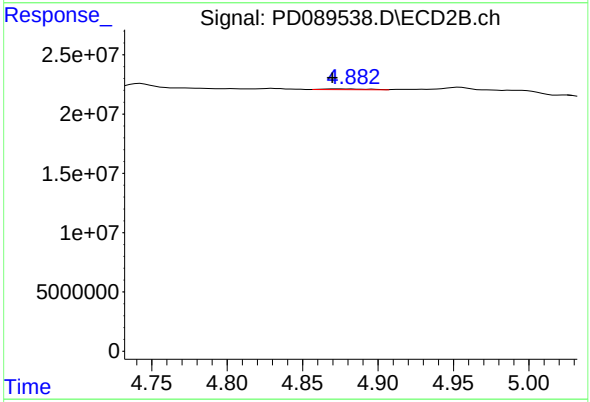
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 125024215
Conc: 10.50 ng/ml



#8 Heptachlor epoxide

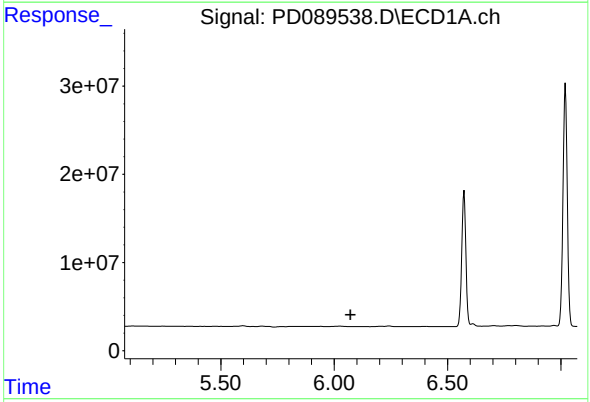
R.T.: 5.682 min
Delta R.T.: -0.007 min
Response: 2092567
Conc: 0.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



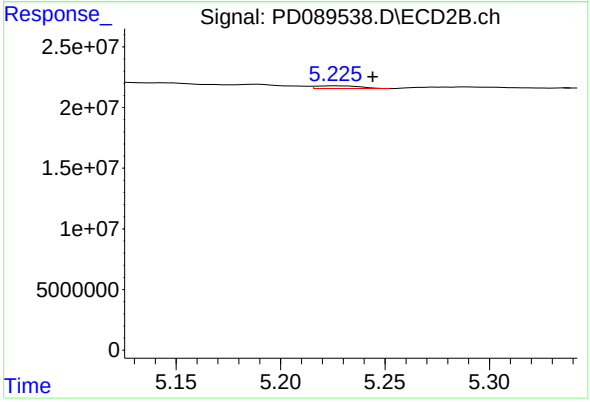
#8 Heptachlor epoxide

R.T.: 4.873 min
Delta R.T.: 0.004 min
Response: 1365749
Conc: 0.05 ng/ml



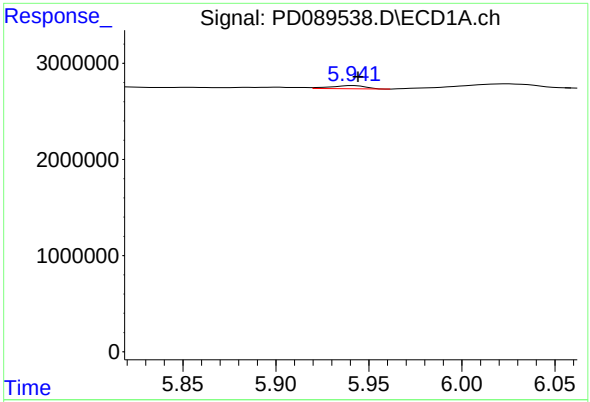
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.073 min
Response: 0
Conc: N.D.



#9 Endosulfan I

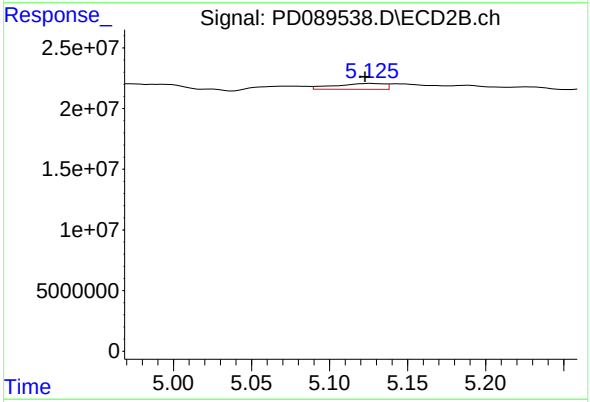
R.T.: 5.227 min
Delta R.T.: -0.018 min
Response: 3119429
Conc: 0.13 ng/ml



#10 gamma-Chlordane

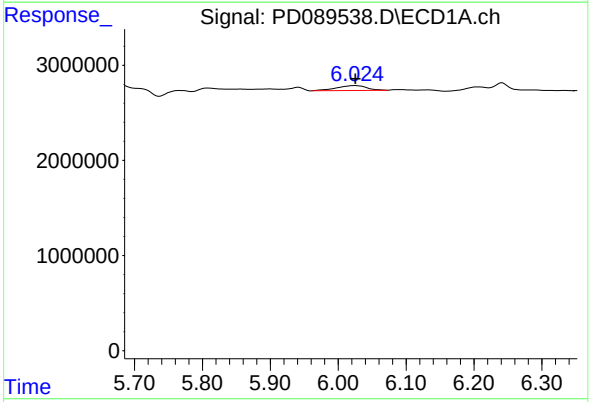
R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 441851
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



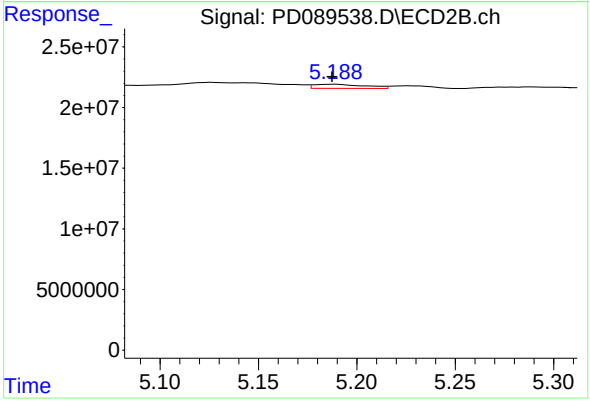
#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: 0.004 min
Response: 10666540
Conc: 0.40 ng/ml



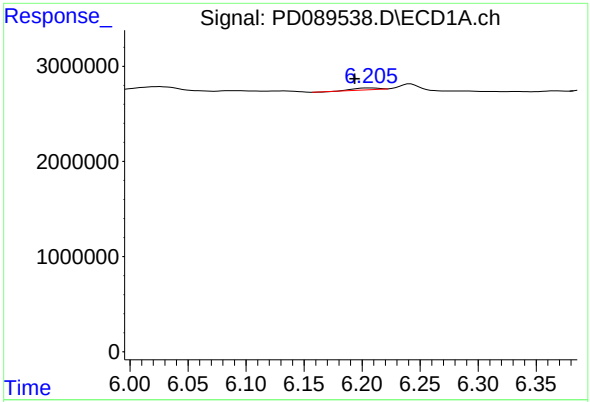
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 1583084
Conc: 0.33 ng/ml



#11 alpha-Chlordane

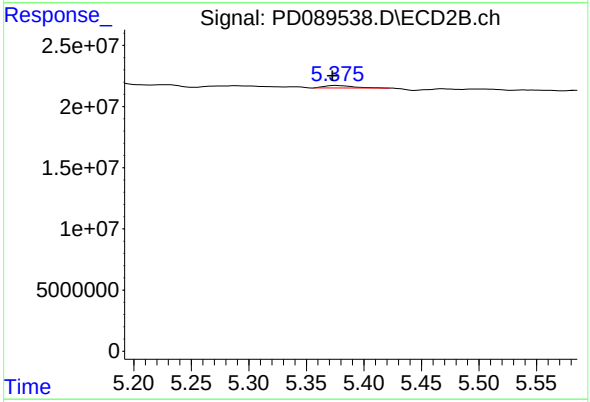
R.T.: 5.189 min
Delta R.T.: 0.002 min
Response: 6110452
Conc: 0.24 ng/ml



#12 4,4'-DDE

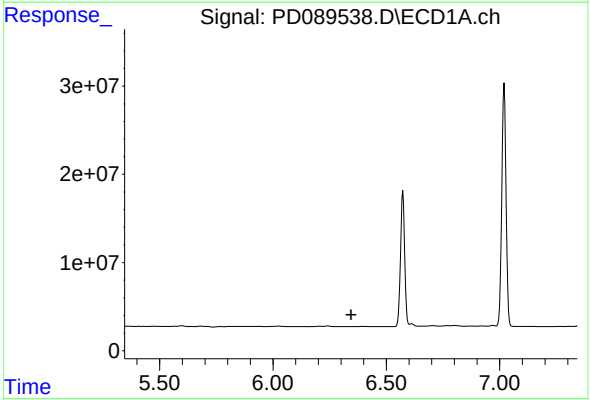
R.T.: 6.208 min
Delta R.T.: 0.014 min
Response: 269690
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



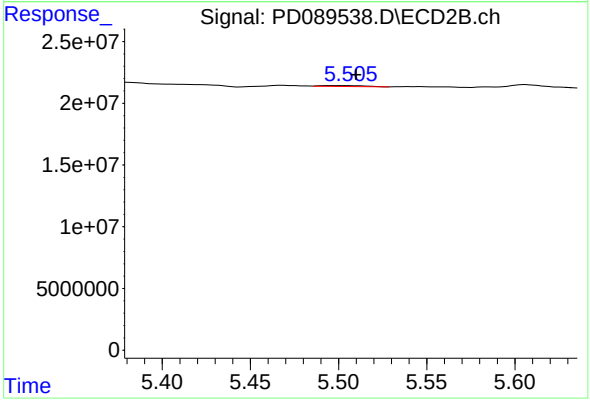
#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.003 min
Response: 3380765
Conc: 0.13 ng/ml



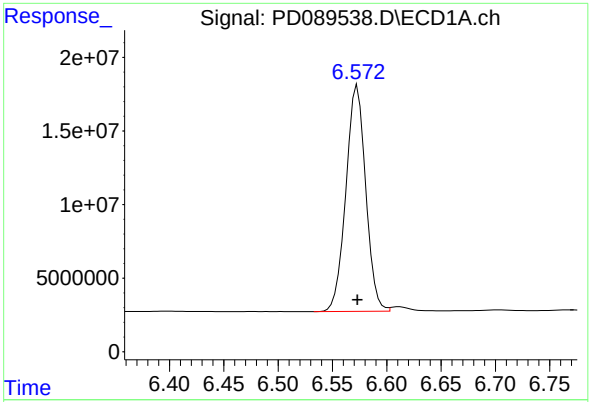
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.



#13 Dieldrin

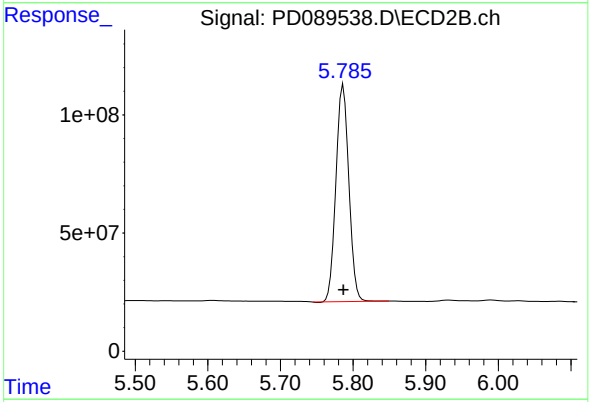
R.T.: 5.505 min
Delta R.T.: -0.005 min
Response: 1338638
Conc: 0.05 ng/ml



#14 Endrin

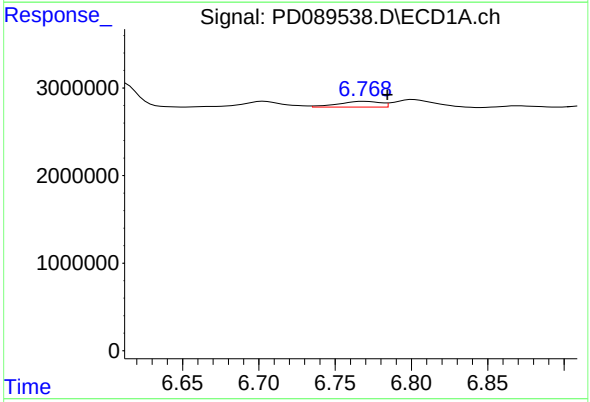
R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 194832322
Conc: 47.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



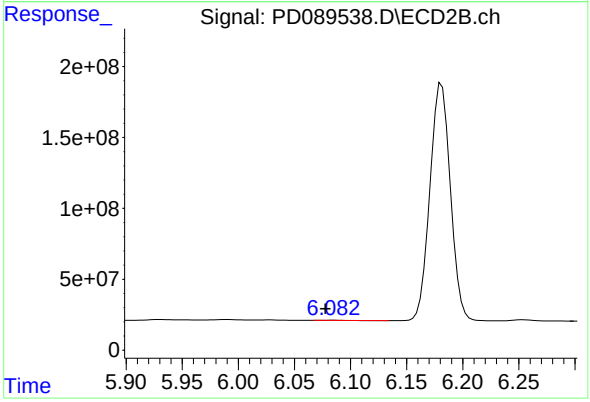
#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 1134667630
Conc: 46.92 ng/ml



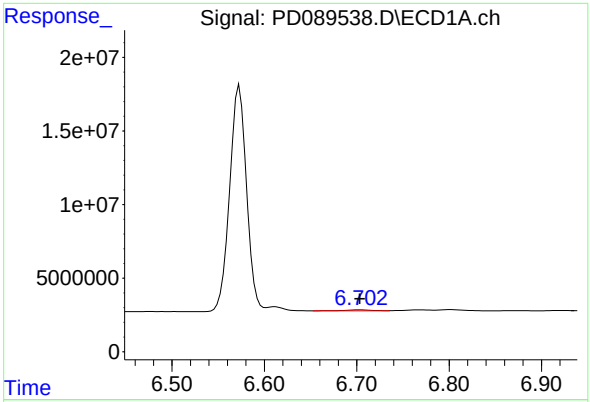
#15 Endosulfan II

R.T.: 6.769 min
Delta R.T.: -0.015 min
Response: 1242782
Conc: 0.31 ng/ml



#15 Endosulfan II

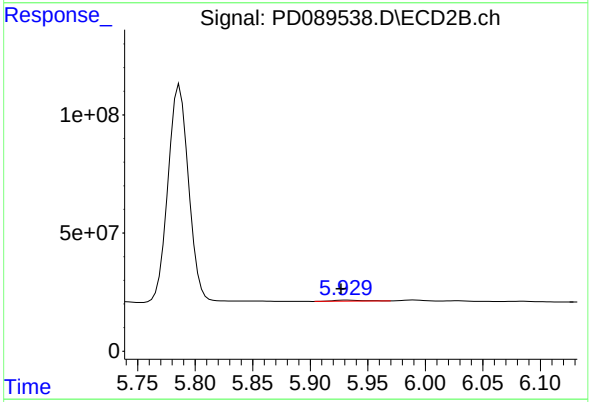
R.T.: 6.084 min
Delta R.T.: 0.006 min
Response: 1093245
Conc: 0.05 ng/ml



#16 4,4'-DDD

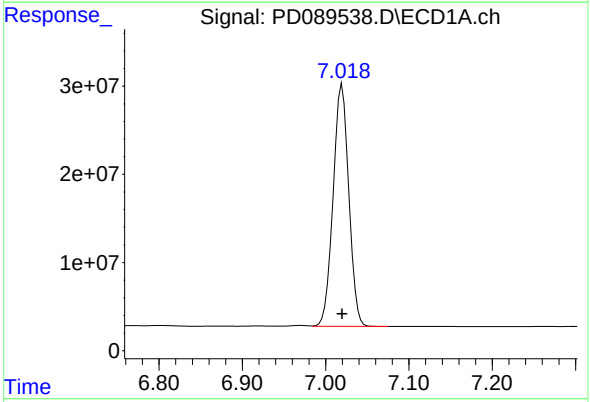
R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 1269926
Conc: 0.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



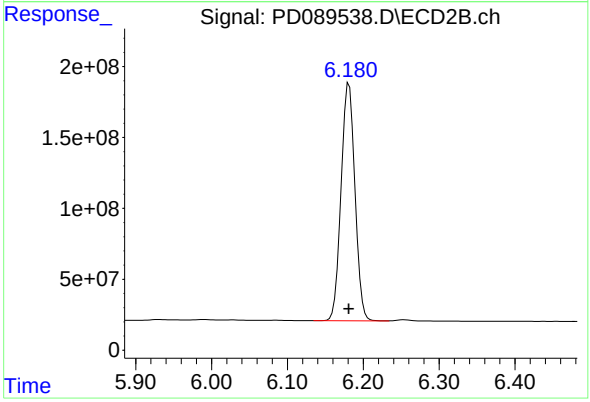
#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.004 min
Response: 7637803
Conc: 0.35 ng/ml



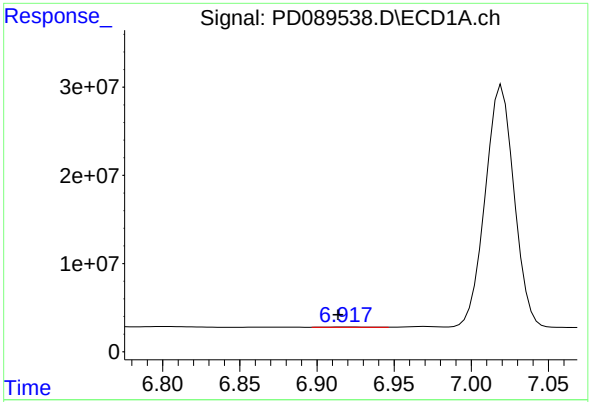
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 359179896
Conc: 95.20 ng/ml



#17 4,4'-DDT

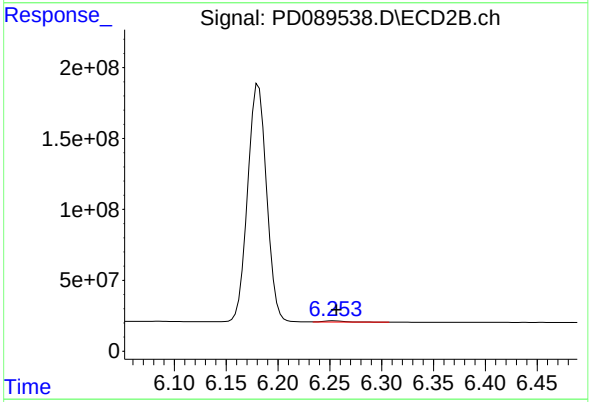
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 2130603297
Conc: 91.02 ng/ml



#18 Endrin aldehyde

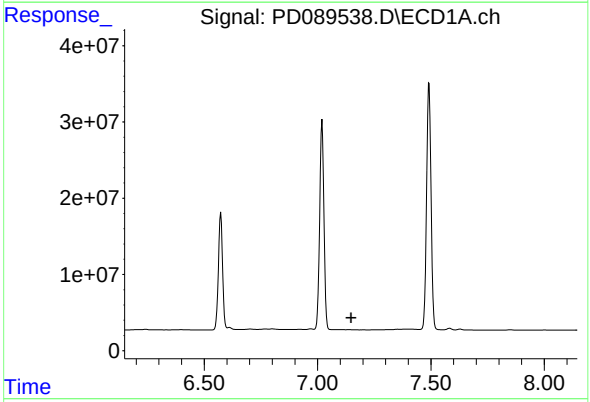
R.T.: 6.919 min
Delta R.T.: 0.005 min
Response: 594479
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



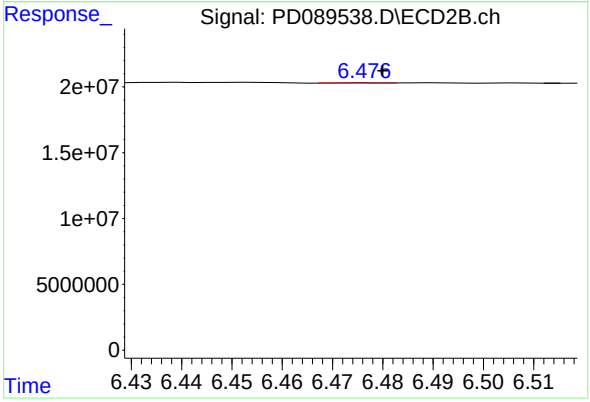
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.002 min
Response: 9624267
Conc: 0.58 ng/ml



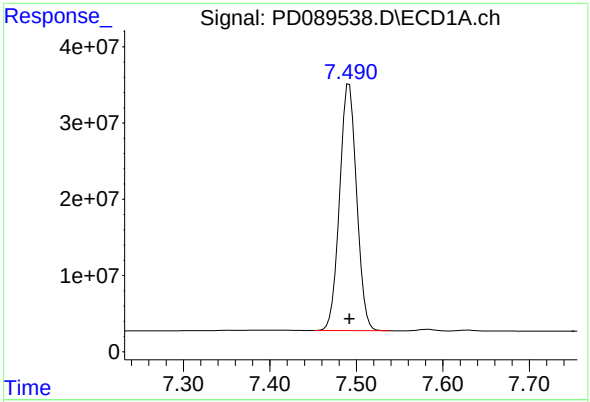
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

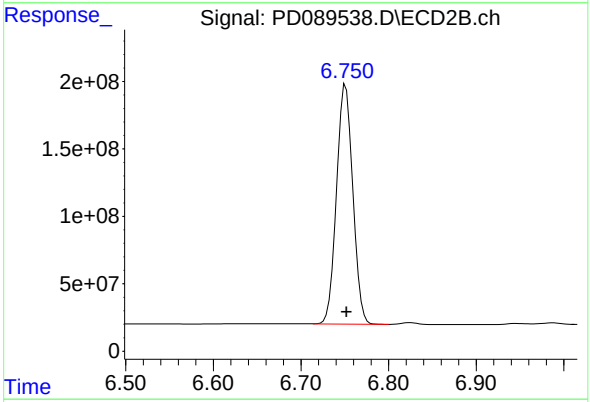
R.T.: 6.477 min
Delta R.T.: -0.003 min
Response: 162455
Conc: 0.01 ng/ml



#20 Methoxychlor

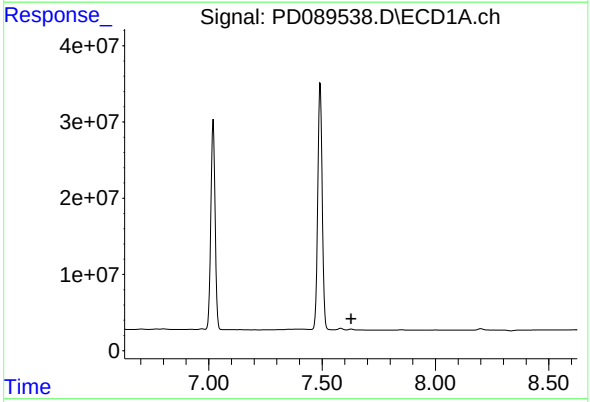
R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 440313209
Conc: 219.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



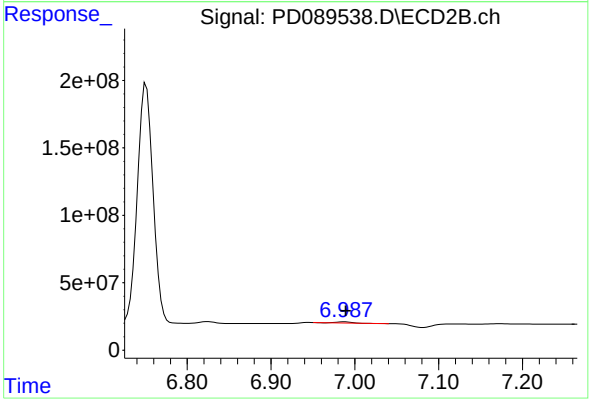
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 2299805464
Conc: 188.63 ng/ml



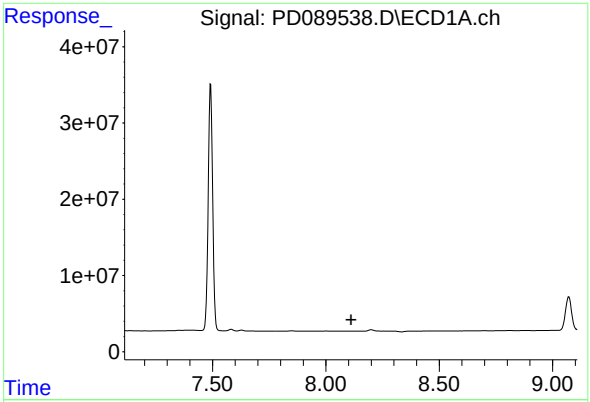
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: -90683
Conc: N.D.



#21 Endrin ketone

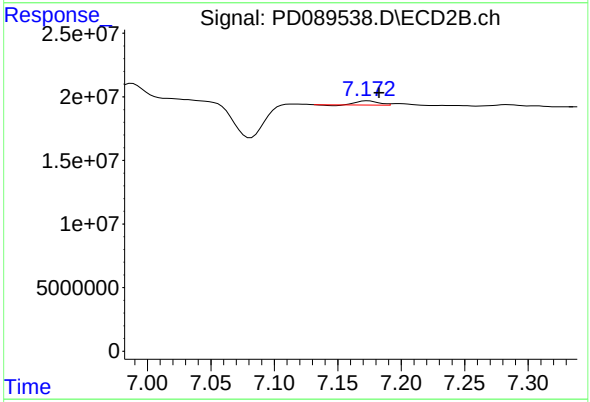
R.T.: 6.988 min
Delta R.T.: -0.001 min
Response: 9040078
Conc: 0.37 ng/ml



#22 Mirex

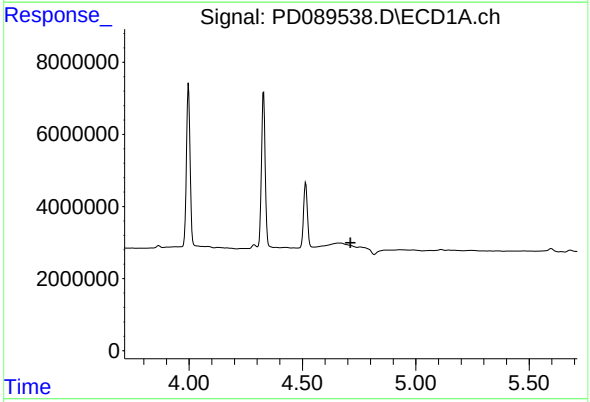
R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



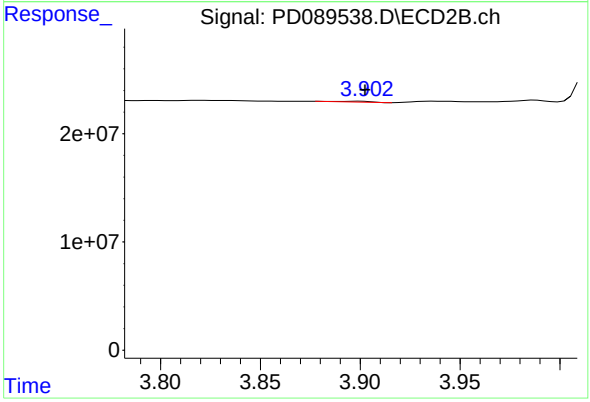
#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.009 min
Response: 3755382
Conc: 0.19 ng/ml



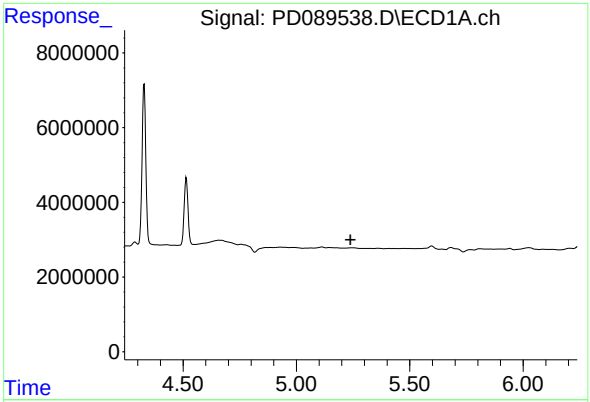
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.



#23 Chlordane-1

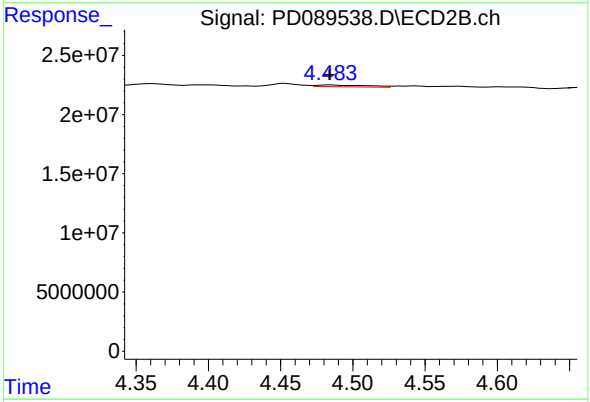
R.T.: 3.901 min
Delta R.T.: -0.002 min
Response: 908164
Conc: 0.98 ng/ml



#24 Chlordane-2

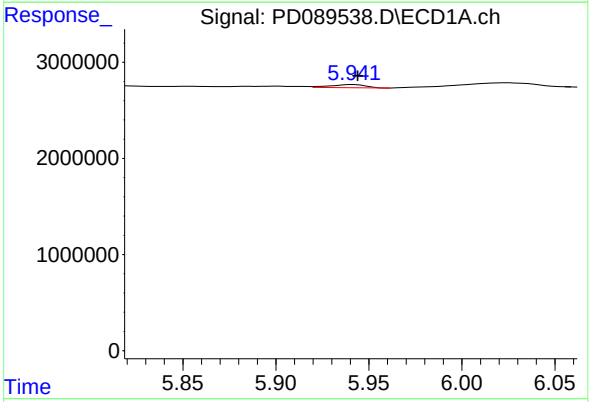
R.T.: 0.000 min
Exp R.T. : 5.239 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



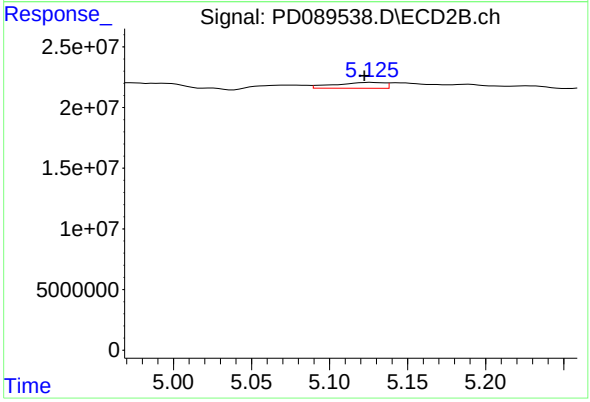
#24 Chlordane-2

R.T.: 4.484 min
Delta R.T.: 0.000 min
Response: 3771235
Conc: 3.85 ng/ml



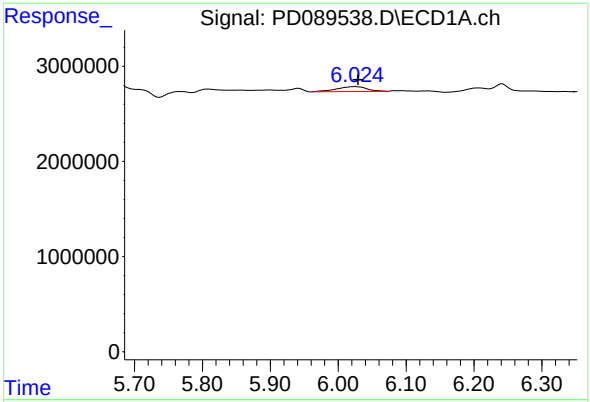
#25 Chlordane-3

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 441851
Conc: 0.57 ng/ml



#25 Chlordane-3

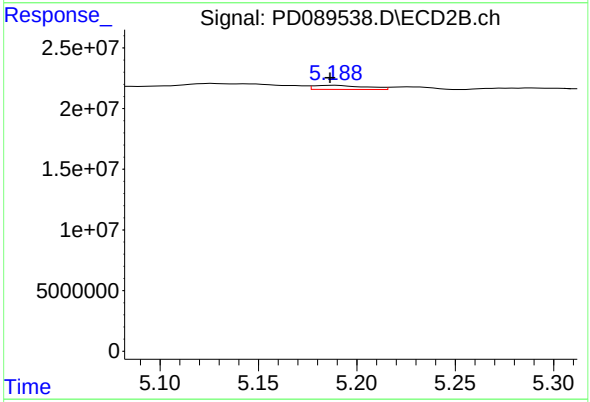
R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10666540
Conc: 3.69 ng/ml



#26 Chlordane-4

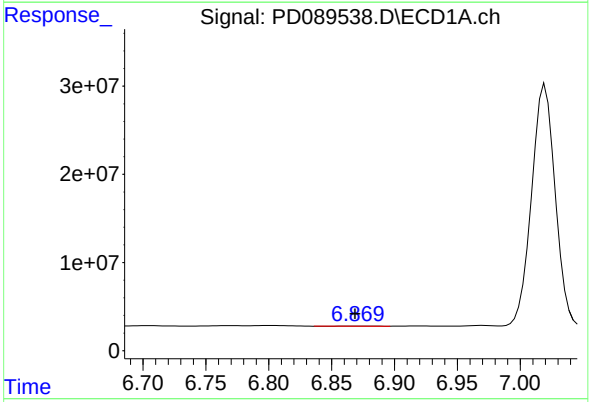
R.T.: 6.025 min
Delta R.T.: -0.004 min
Response: 1583084
Conc: 1.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



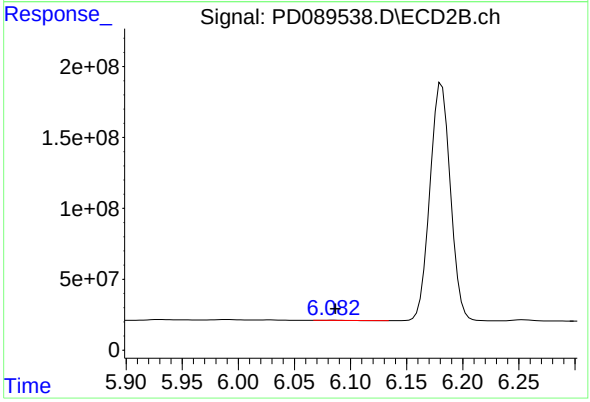
#26 Chlordane-4

R.T.: 5.189 min
Delta R.T.: 0.003 min
Response: 6110452
Conc: 2.53 ng/ml



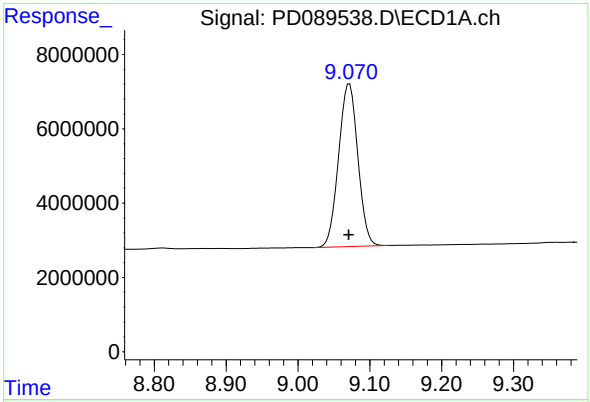
#27 Chlordane-5

R.T.: 6.870 min
Delta R.T.: 0.002 min
Response: 254529
Conc: 1.54 ng/ml



#27 Chlordane-5

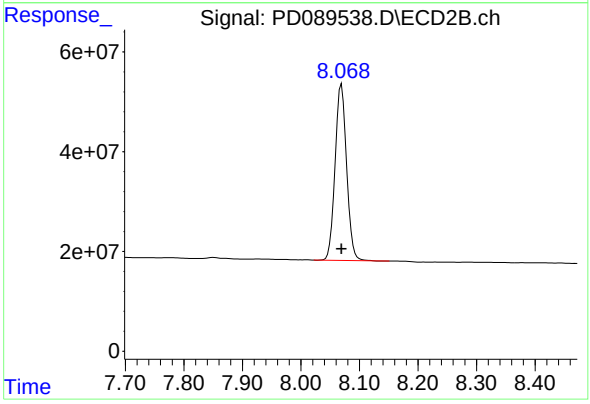
R.T.: 6.084 min
Delta R.T.: -0.003 min
Response: 1093245
Conc: 0.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.001 min
Response: 81289525
Conc: 19.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 481497610
Conc: 19.60 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:49
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: Jul 24 02:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	56117111	399.6E6	19.476	20.424	
28)	SA Decachlor...	9.068	8.068	85866937	512.1E6	20.907	20.845	
	Target Compounds							
2)	A alpha-BHC	3.997	3.390	53298254	331.8E6	9.335	11.042	
3)	MA gamma-BHC...	4.328	3.727	54146111	303.5E6	9.814	10.934	
4)	MA Heptachlor	4.926	4.079	240724	1726476	0.044	0.062	#
5)	MB Aldrin	5.248f	4.365	342637	746454	0.065	0.027	#
6)	B beta-BHC	4.514	4.023	22580257	130.7E6	10.473	10.977	
7)	B delta-BHC	4.758	4.254	1335594	430591	0.253	0.015	#
8)	B Heptachlo...	5.680	4.872	3775829	4182050	0.799	0.168	#
9)	A Endosulfan I	6.086	0.000	181373	0	0.041	N.D.	#
10)	B gamma-Chl...	5.939	5.120	657279	16292064	0.139	0.609	#
11)	B alpha-Chl...	6.030	5.184	1576246	23542163	0.331	0.913	#
12)	B 4,4'-DDE	6.194	5.375	190596	2148031	0.044	0.082	#
13)	MA Dieldrin	0.000	5.501	0	1861991	N.D.	0.070	#
14)	MA Endrin	6.571	5.785	207.0E6	1206.0E6	50.818	49.875	
15)	B Endosulfa...	6.768f	6.084	1659034	2274018	0.408	0.099	#
16)	A 4,4'-DDD	6.701	5.927	6448264	17852326	1.903	0.814	#
17)	MA 4,4'-DDT	7.018	6.179	382.5E6	2257.2E6	101.375	96.431	
18)	B Endrin al...	6.915	6.252	725326	12253663	0.249	0.738	#
19)	B Endosulfa...	0.000	6.476	0	688860	N.D.	0.031	#
20)	A Methoxychlor	7.489	6.750	464.1E6	2396.7E6	231.501	196.584	
21)	B Endrin ke...	7.626	6.985	1844614	11350347	0.458	0.463	
22)	Mirex	0.000	7.171	0	5592570	N.D.	0.289	#
23)	Chlordane-1	0.000	3.889	0	1788984	N.D.	1.926	#
24)	Chlordane-2	5.248	4.485	342637	11831628	1.704	12.070	#
25)	Chlordane-3	5.939	5.120	657279	16292064	0.844	5.643	#
26)	Chlordane-4	6.030	5.184	1576246	23542163	1.661	9.760	#
27)	Chlordane-5	6.868	6.084	293938	2274018	1.782	1.946	

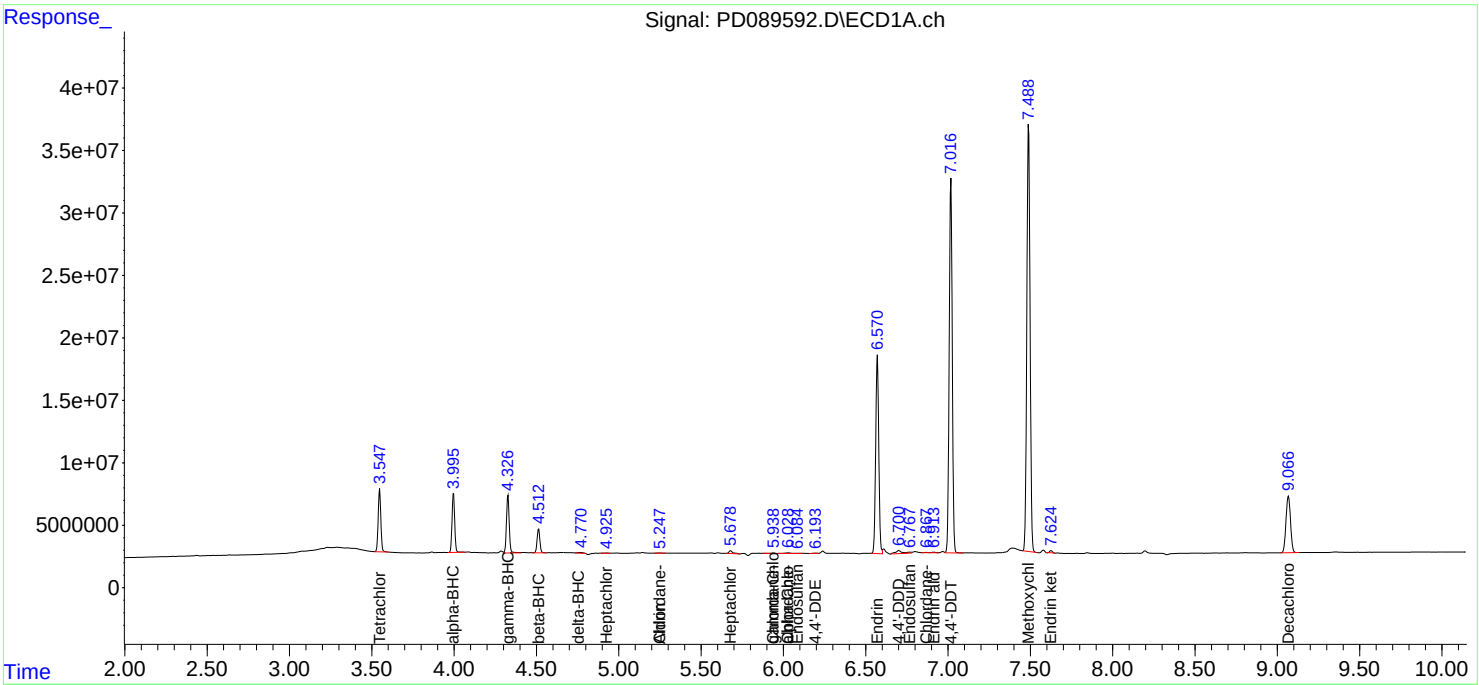
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

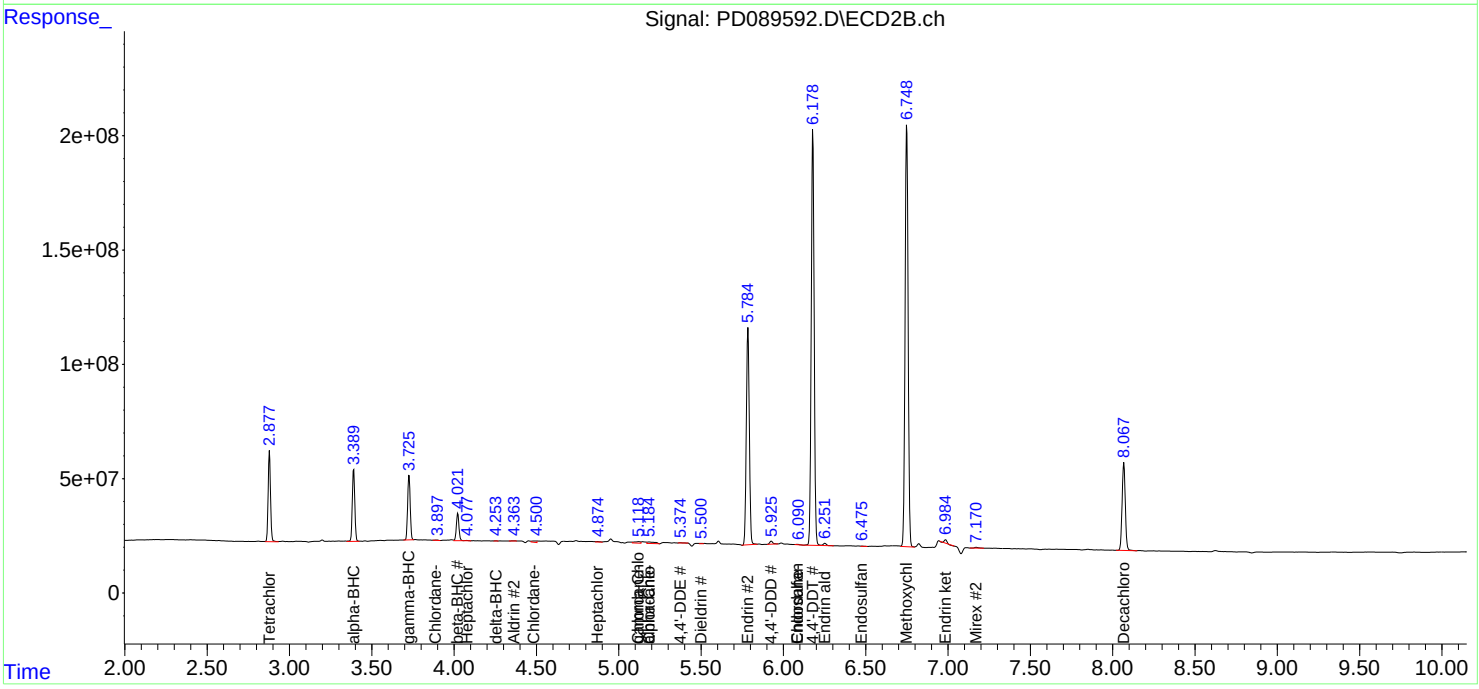
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

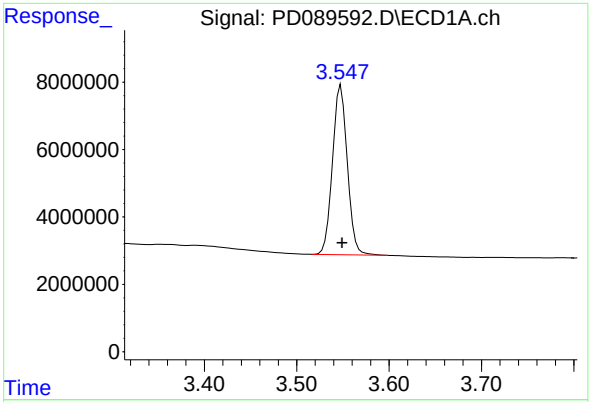
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



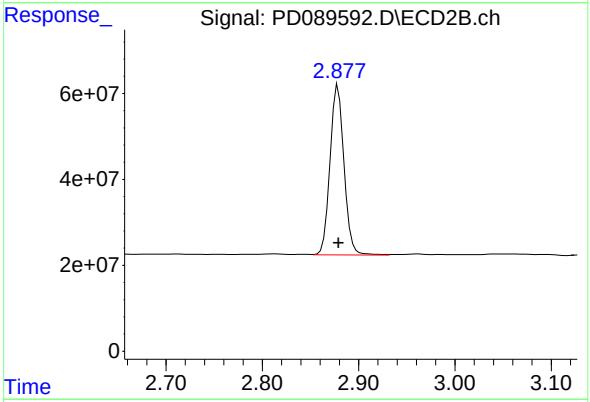




#1 Tetrachloro-m-xylene

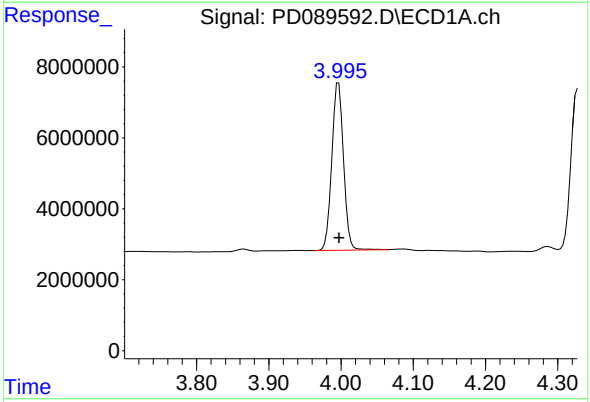
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 56117111
Conc: 19.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



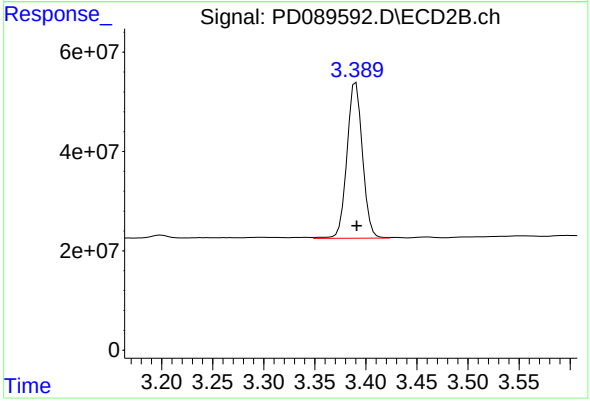
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 399614682
Conc: 20.42 ng/ml



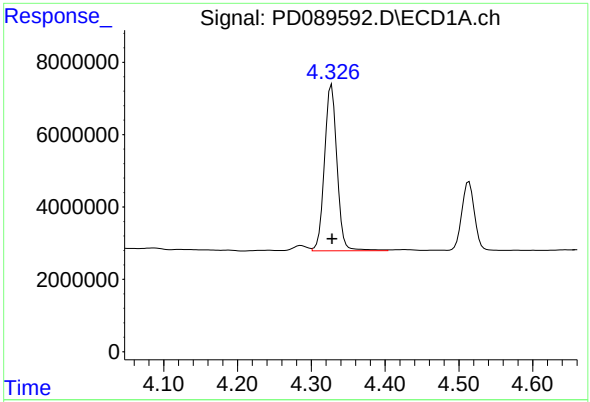
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 53298254
Conc: 9.33 ng/ml



#2 alpha-BHC

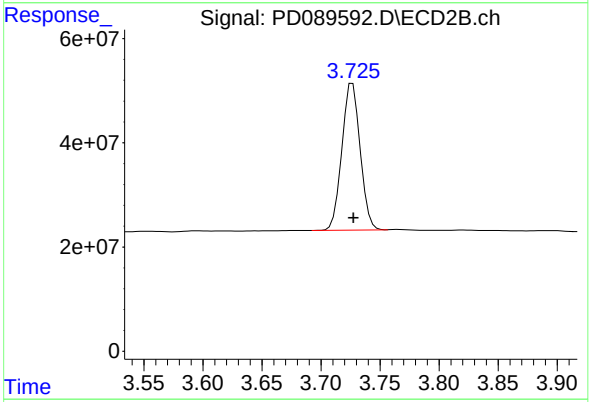
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 331757110
Conc: 11.04 ng/ml



#3 gamma-BHC (Lindane)

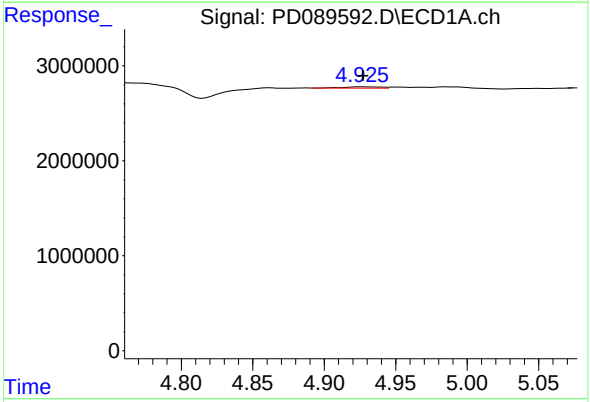
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 54146111
Conc: 9.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



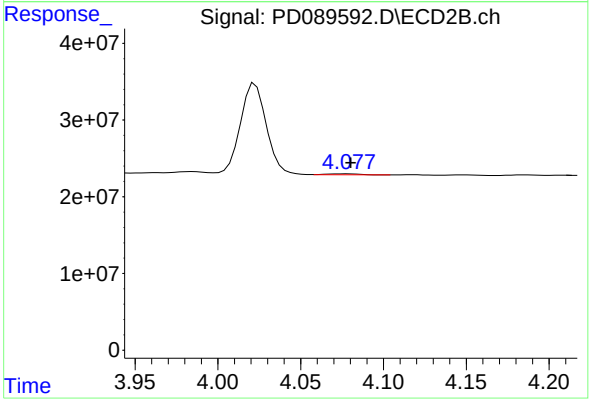
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 303540312
Conc: 10.93 ng/ml



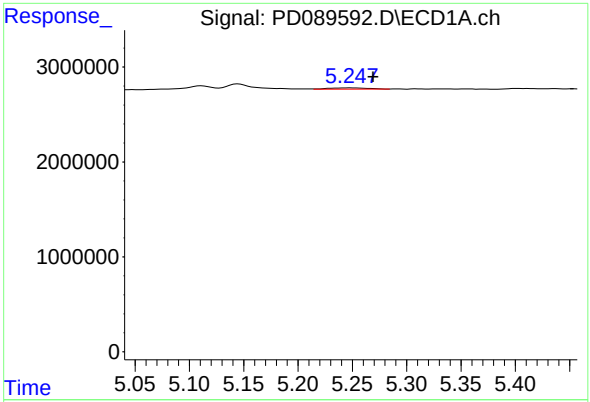
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 240724
Conc: 0.04 ng/ml



#4 Heptachlor

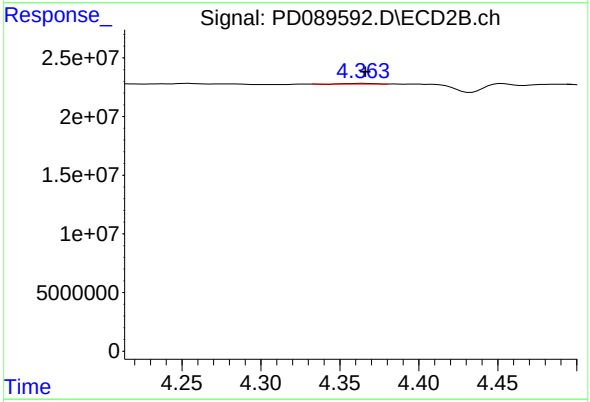
R.T.: 4.079 min
Delta R.T.: -0.001 min
Response: 1726476
Conc: 0.06 ng/ml



#5 Aldrin

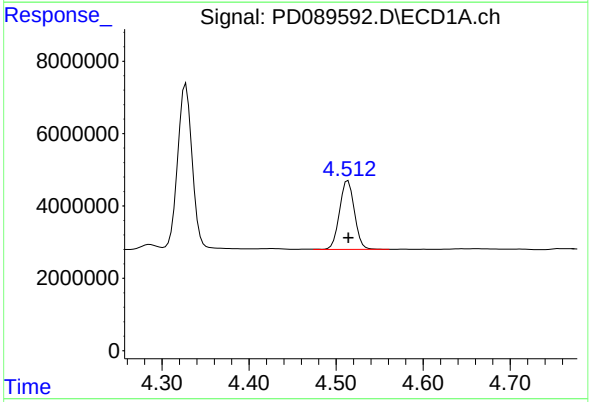
R.T.: 5.248 min
Delta R.T.: -0.021 min
Response: 342637
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



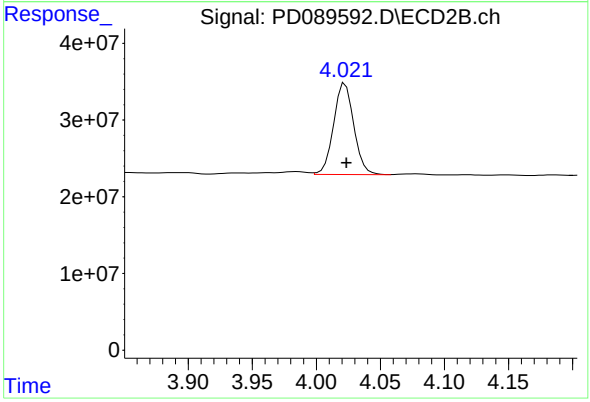
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: -0.002 min
Response: 746454
Conc: 0.03 ng/ml



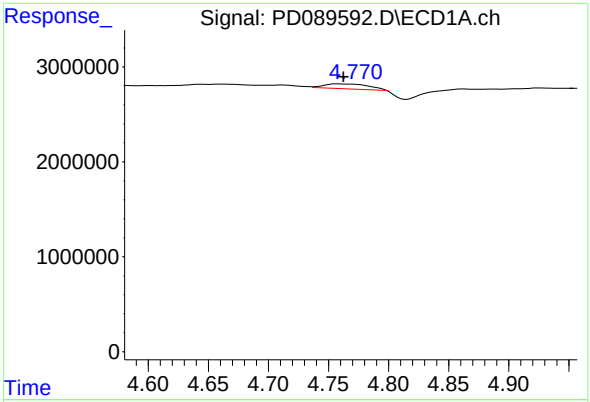
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 22580257
Conc: 10.47 ng/ml



#6 beta-BHC

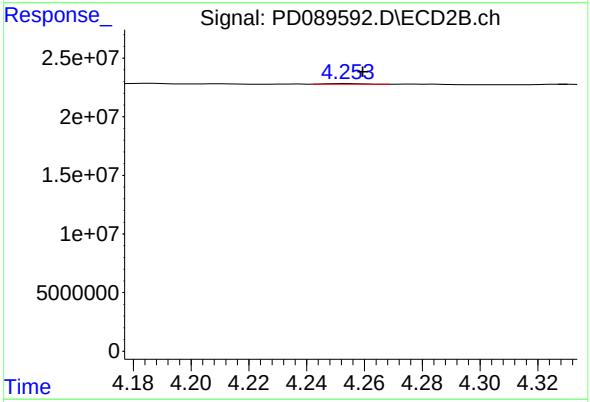
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 130654966
Conc: 10.98 ng/ml



#7 delta-BHC

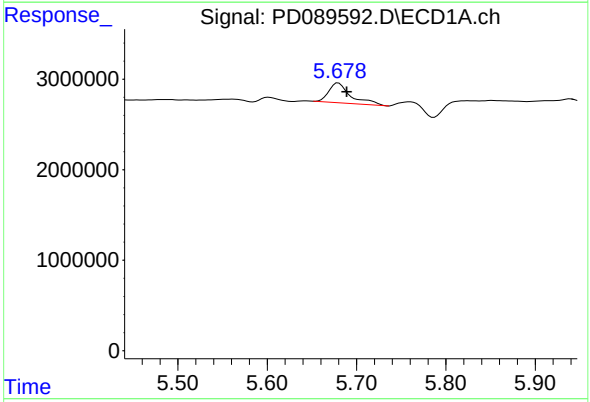
R.T.: 4.758 min
Delta R.T.: -0.005 min
Response: 1335594
Conc: 0.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



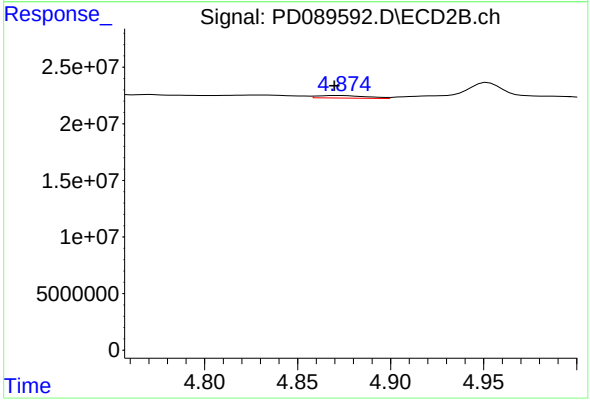
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.005 min
Response: 430591
Conc: 0.02 ng/ml



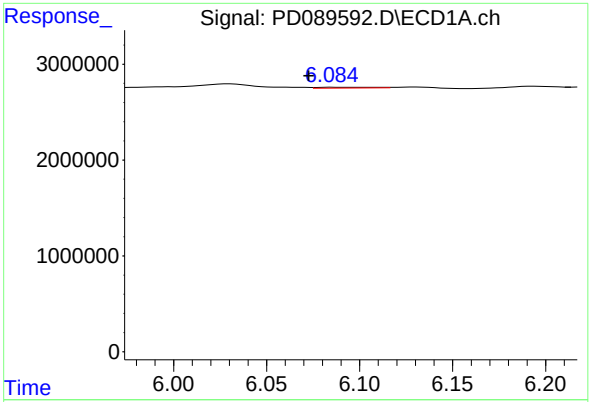
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.009 min
Response: 3775829
Conc: 0.80 ng/ml



#8 Heptachlor epoxide

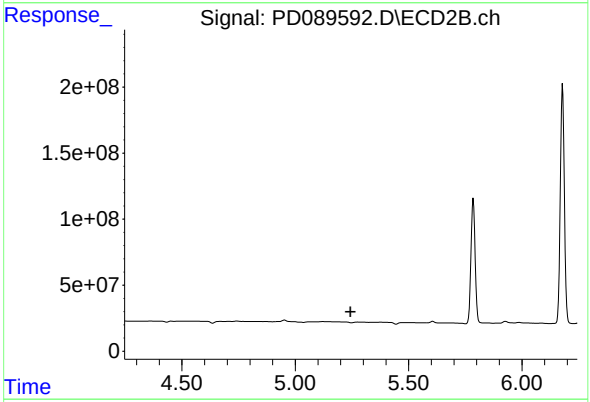
R.T.: 4.872 min
Delta R.T.: 0.002 min
Response: 4182050
Conc: 0.17 ng/ml



#9 Endosulfan I

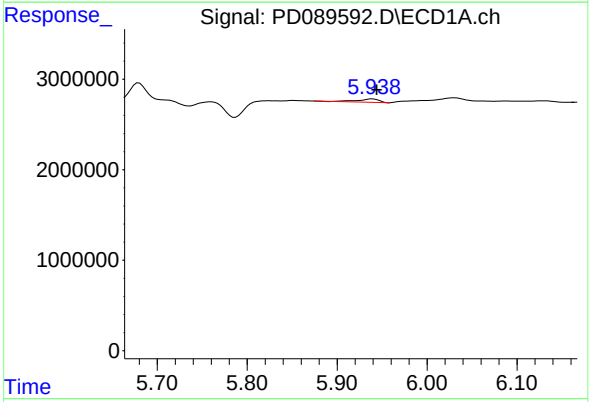
R.T.: 6.086 min
Delta R.T.: 0.013 min
Response: 181373
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



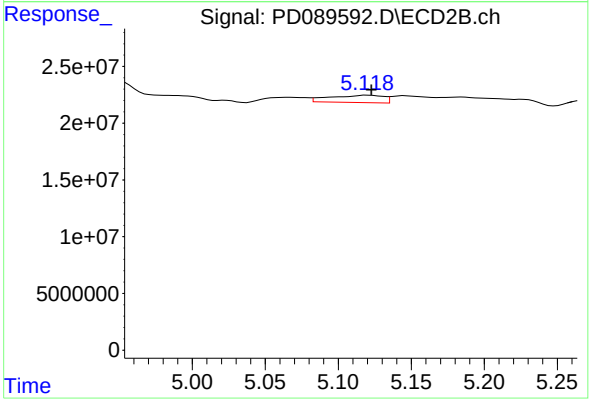
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 5.244 min
Response: 0
Conc: N.D.



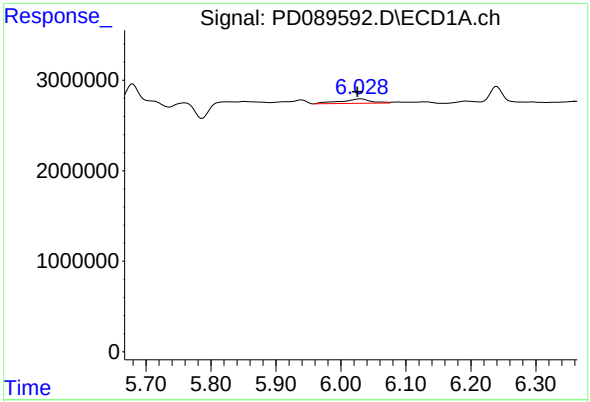
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 657279
Conc: 0.14 ng/ml



#10 gamma-Chlordane

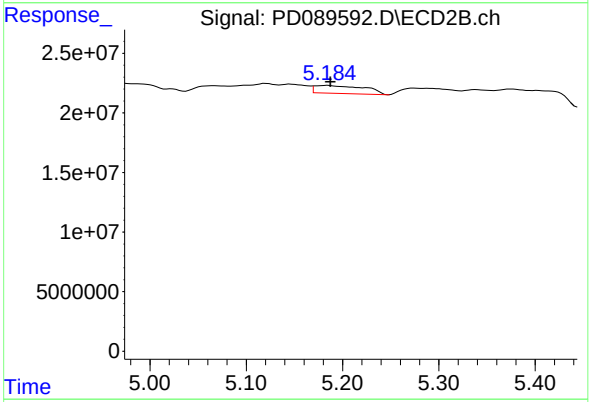
R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 16292064
Conc: 0.61 ng/ml



#11 alpha-Chlordane

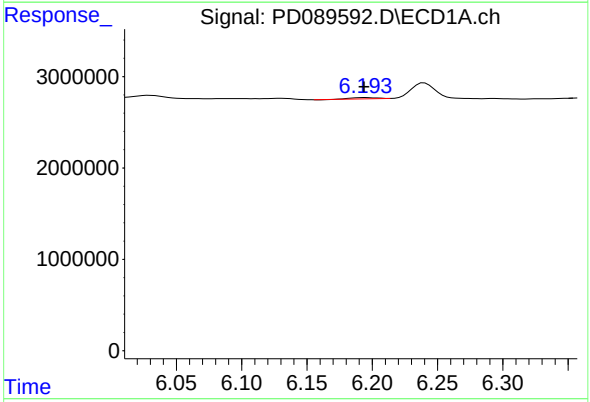
R.T.: 6.030 min
Delta R.T.: 0.005 min
Response: 1576246
Conc: 0.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



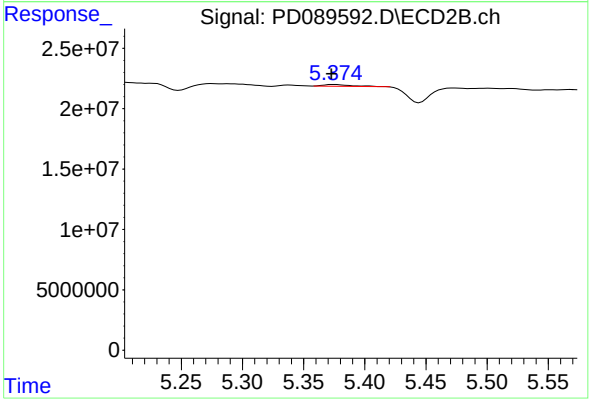
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.003 min
Response: 23542163
Conc: 0.91 ng/ml



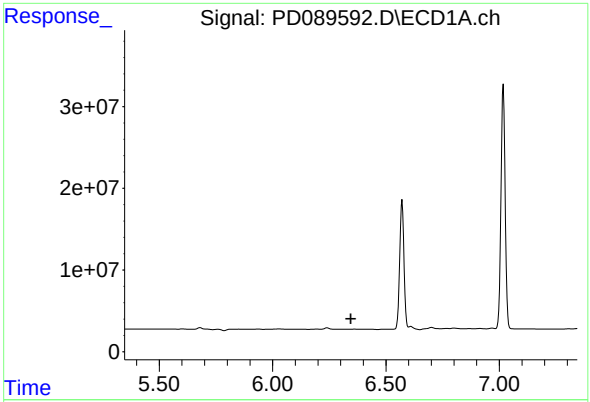
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 190596
Conc: 0.04 ng/ml



#12 4,4'-DDE

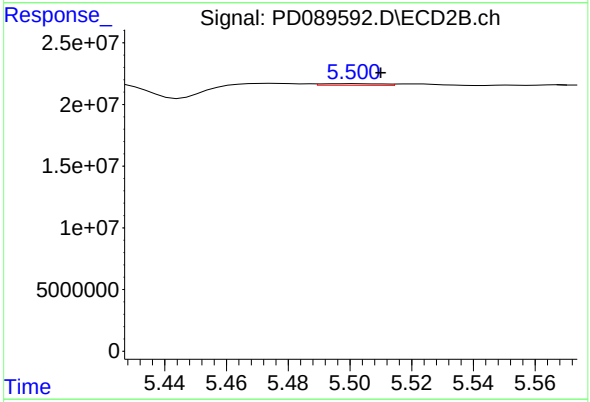
R.T.: 5.375 min
Delta R.T.: 0.003 min
Response: 2148031
Conc: 0.08 ng/ml



#13 Dieldrin

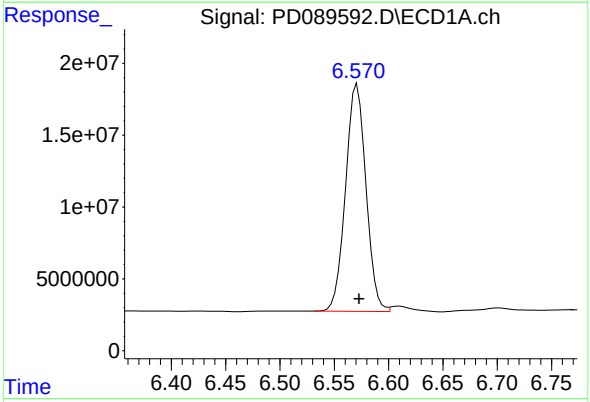
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



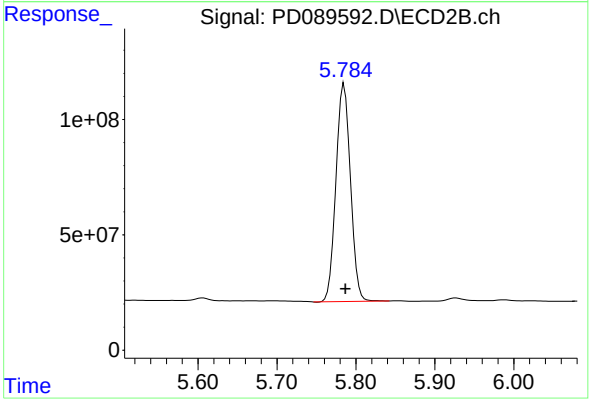
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: -0.009 min
Response: 1861991
Conc: 0.07 ng/ml



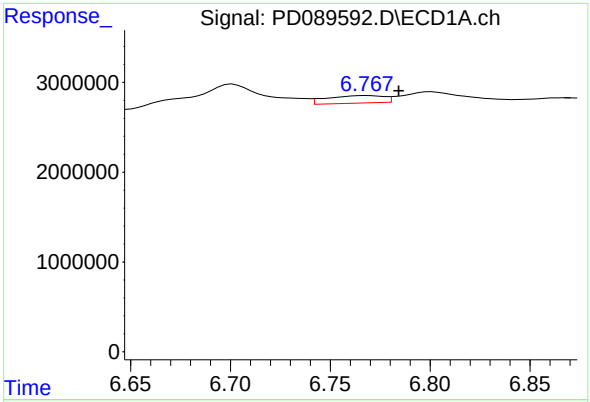
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 206960322
Conc: 50.82 ng/ml



#14 Endrin

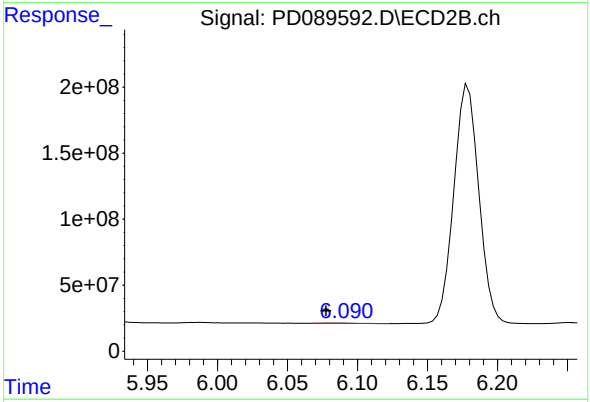
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1206048626
Conc: 49.87 ng/ml



#15 Endosulfan II

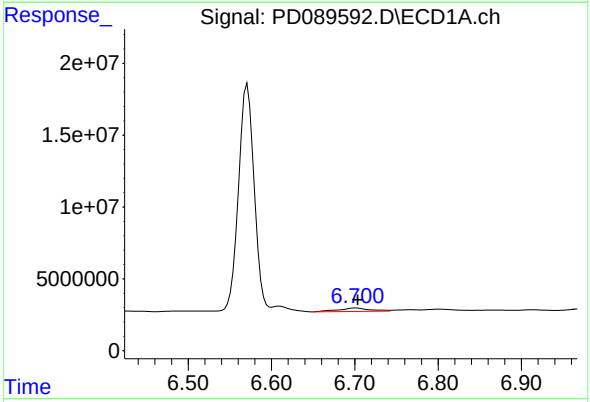
R.T.: 6.768 min
Delta R.T.: -0.016 min
Response: 1659034
Conc: 0.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



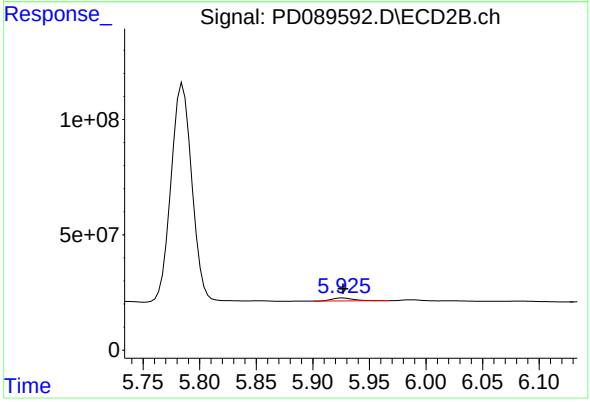
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.006 min
Response: 2274018
Conc: 0.10 ng/ml



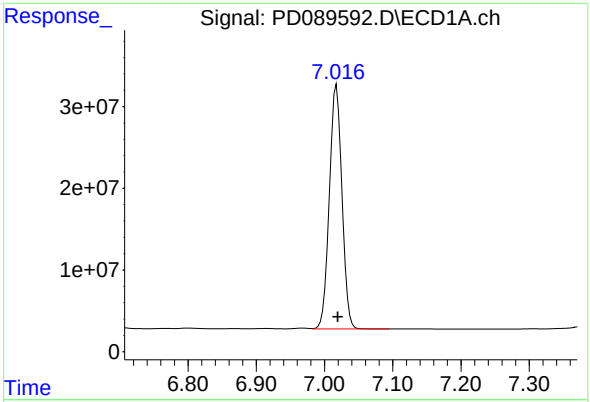
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 6448264
Conc: 1.90 ng/ml



#16 4,4'-DDD

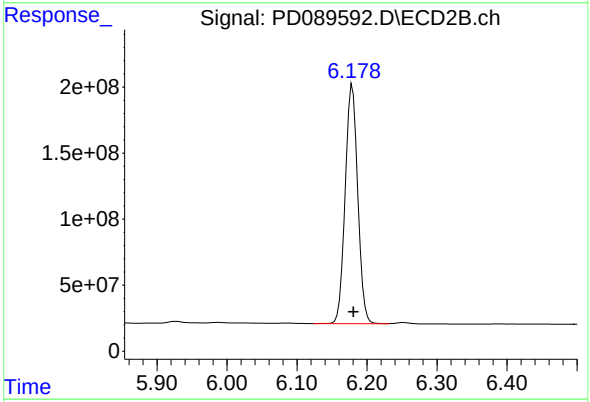
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 17852326
Conc: 0.81 ng/ml



#17 4,4'-DDT

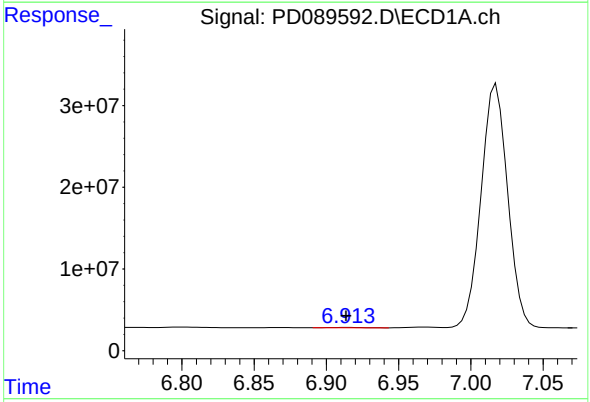
R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 382481486
Conc: 101.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



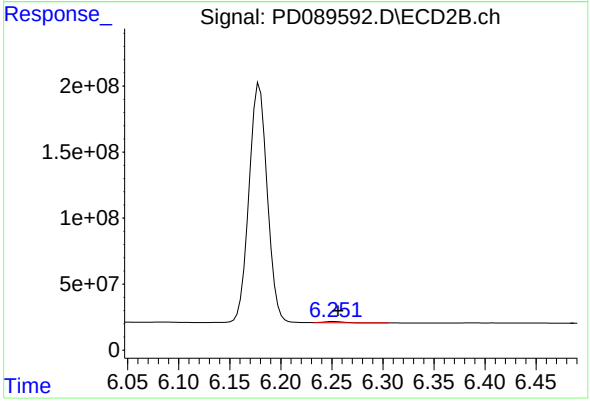
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 2257178002
Conc: 96.43 ng/ml



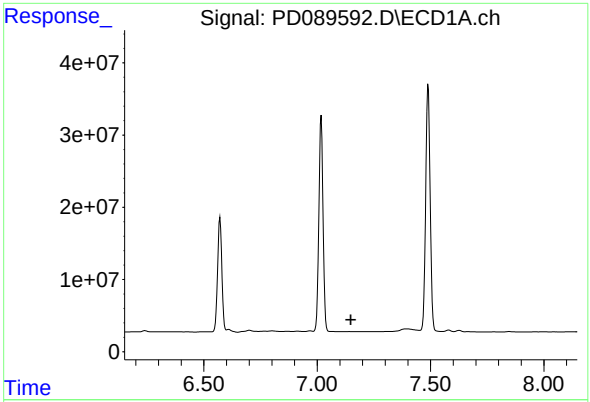
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.001 min
Response: 725326
Conc: 0.25 ng/ml



#18 Endrin aldehyde

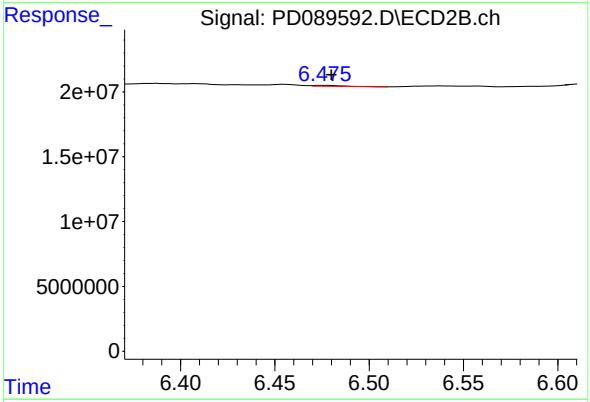
R.T.: 6.252 min
Delta R.T.: -0.004 min
Response: 12253663
Conc: 0.74 ng/ml



#19 Endosulfan Sulfate

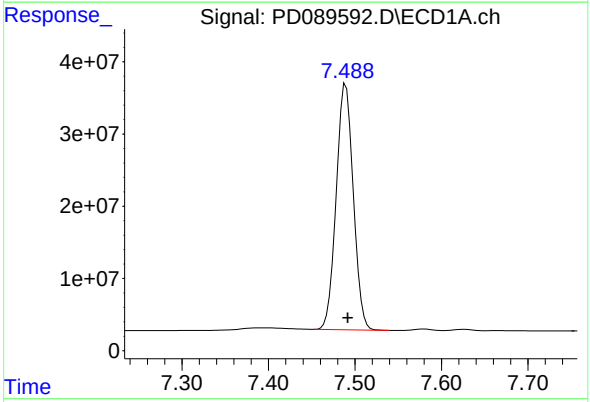
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



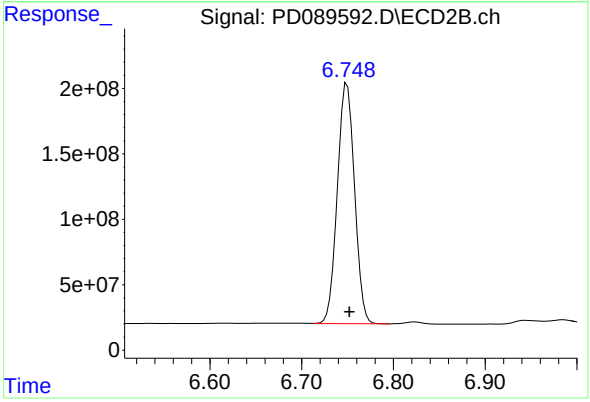
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.003 min
Response: 688860
Conc: 0.03 ng/ml



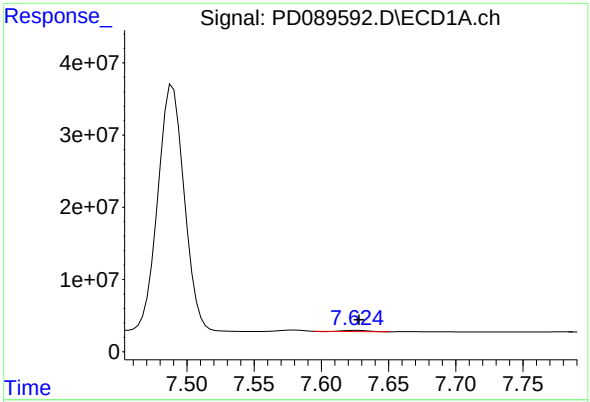
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 464134137
Conc: 231.50 ng/ml



#20 Methoxychlor

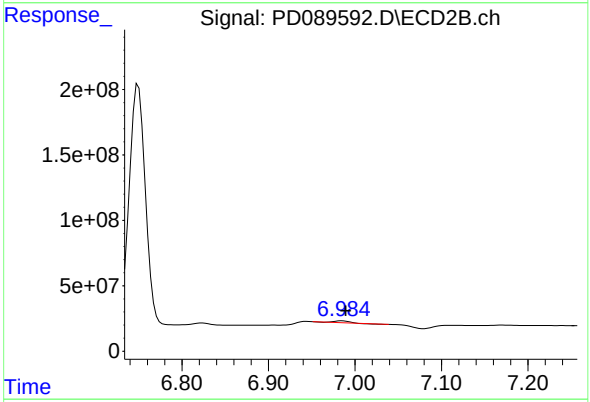
R.T.: 6.750 min
Delta R.T.: -0.002 min
Response: 2396738028
Conc: 196.58 ng/ml



#21 Endrin ketone

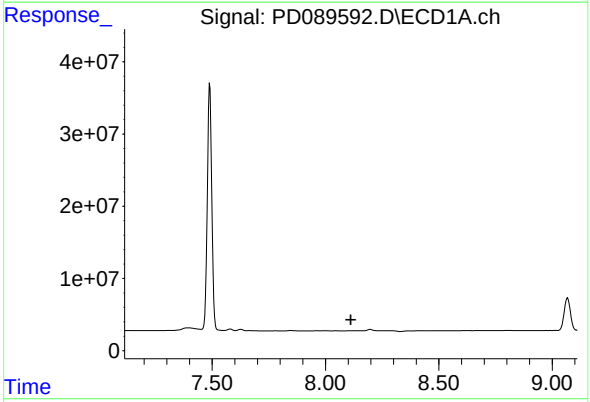
R.T.: 7.626 min
Delta R.T.: -0.002 min
Response: 1844614
Conc: 0.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



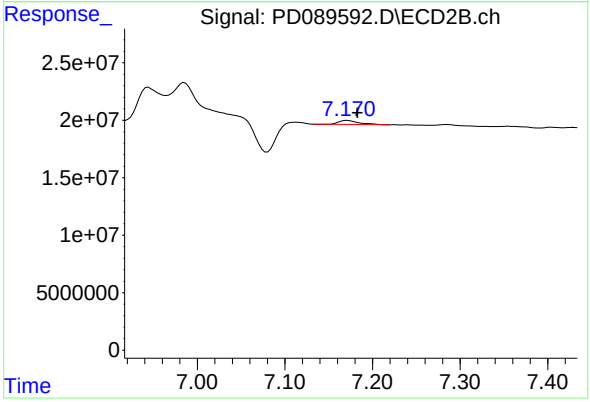
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 11350347
Conc: 0.46 ng/ml



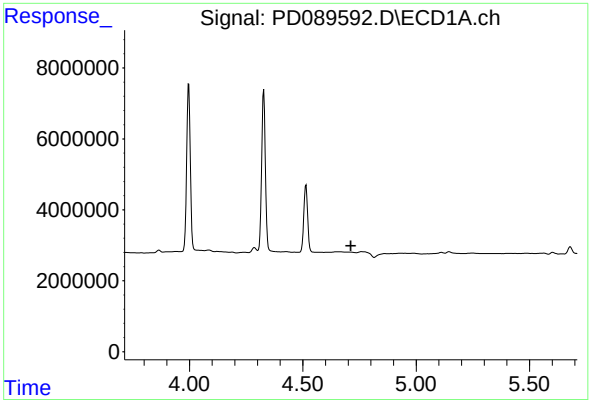
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

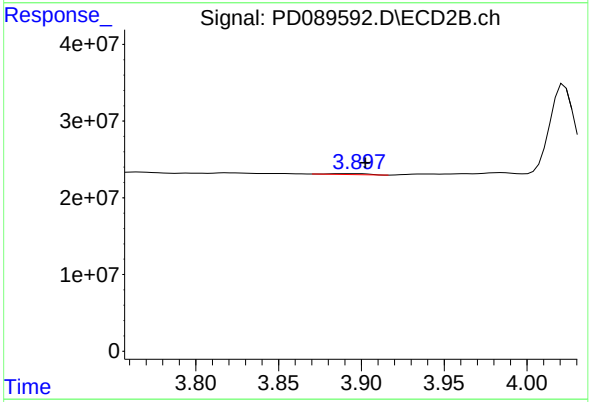
R.T.: 7.171 min
Delta R.T.: -0.012 min
Response: 5592570
Conc: 0.29 ng/ml



#23 Chlordane-1

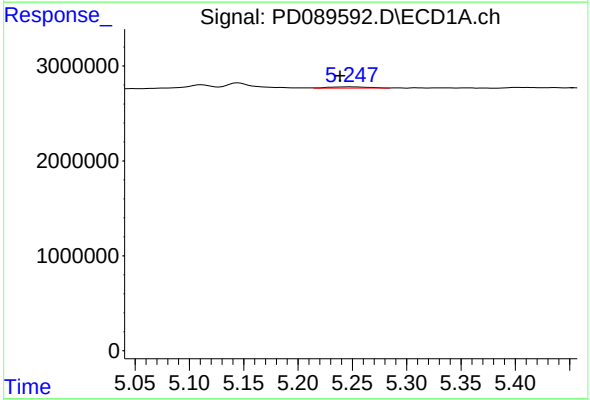
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



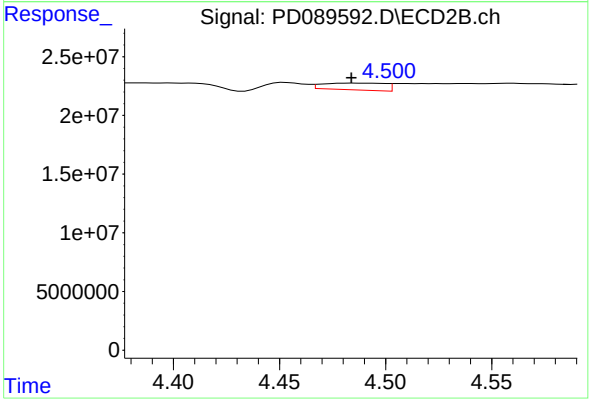
#23 Chlordane-1

R.T.: 3.889 min
Delta R.T.: -0.013 min
Response: 1788984
Conc: 1.93 ng/ml



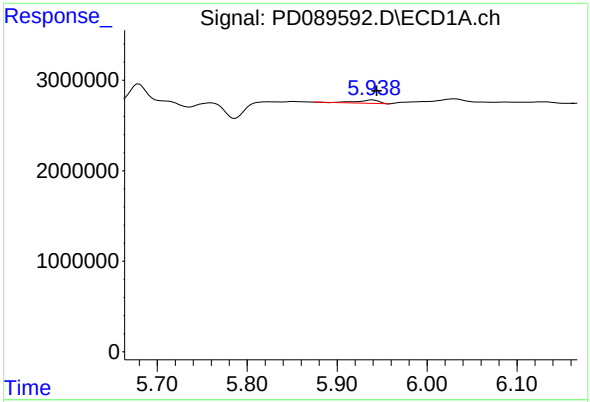
#24 Chlordane-2

R.T.: 5.248 min
Delta R.T.: 0.009 min
Response: 342637
Conc: 1.70 ng/ml



#24 Chlordane-2

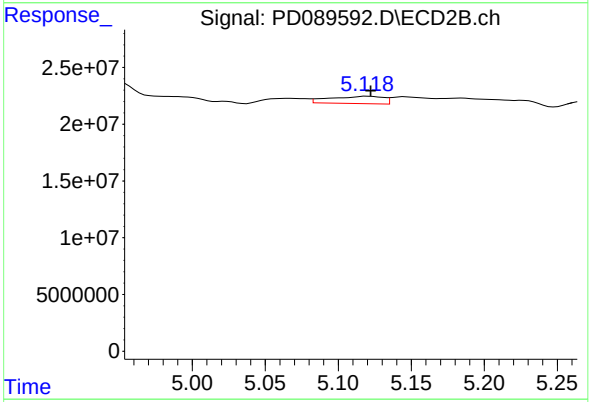
R.T.: 4.485 min
Delta R.T.: 0.002 min
Response: 11831628
Conc: 12.07 ng/ml



#25 Chlordane-3

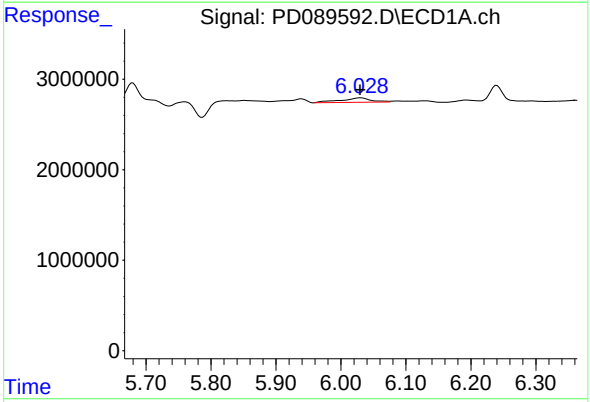
R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 657279
Conc: 0.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



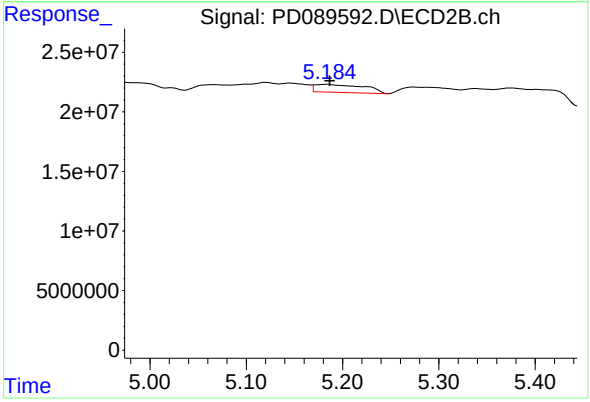
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 16292064
Conc: 5.64 ng/ml



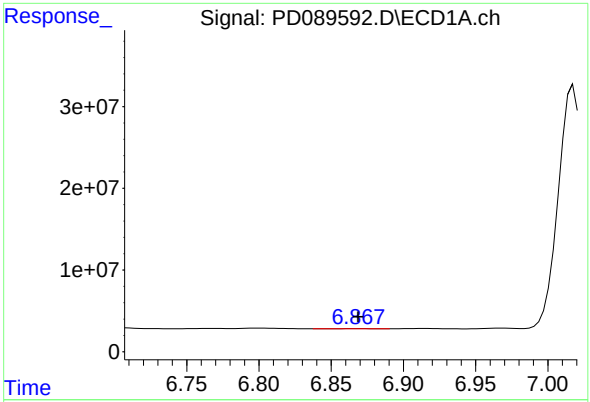
#26 Chlordane-4

R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 1576246
Conc: 1.66 ng/ml



#26 Chlordane-4

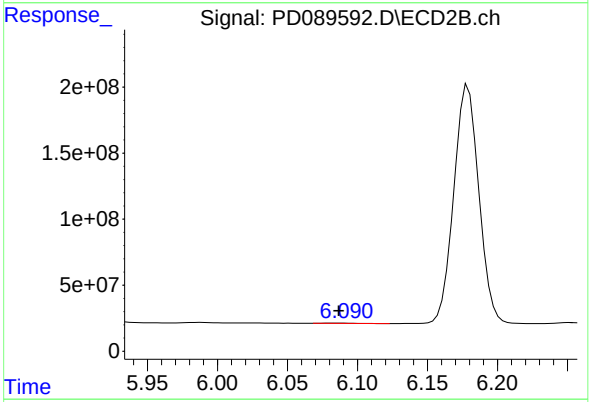
R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 23542163
Conc: 9.76 ng/ml



#27 Chlordane-5

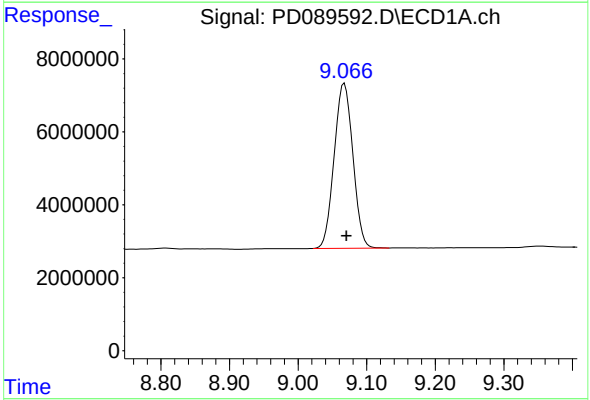
R.T.: 6.868 min
Delta R.T.: 0.000 min
Response: 293938
Conc: 1.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



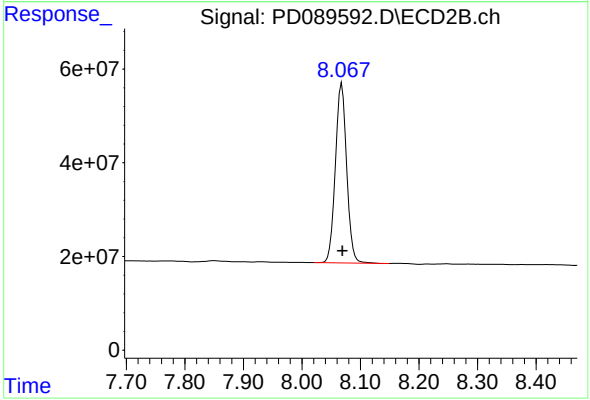
#27 Chlordane-5

R.T.: 6.084 min
Delta R.T.: -0.003 min
Response: 2274018
Conc: 1.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 85866937
Conc: 20.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.001 min
Response: 512120464
Conc: 20.84 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:54
Operator : AR\AJ
Sample : Q2555-01RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.879	33214945	215.3E6	11.528	11.002	
28)	SA Decachlor...	9.067	8.068	32905219	194.9E6	8.012	7.933	
	Target Compounds							
2)	A alpha-BHC	3.982f	3.401	2583045	41779571	0.452	1.391	#
3)	MA gamma-BHC...	4.332	3.704f	2528866	8182860	0.458	0.295	#
4)	MA Heptachlor	4.954f	4.078	28957507	17264985	5.310	0.616	#
6)	B beta-BHC	4.538f	4.024	207019	7881239	0.096	0.662	#
7)	B delta-BHC	4.775	4.266	1952179	1752462	0.369	0.063	#
8)	B Heptachlo...	5.675	4.867	2331437	3049612	0.494	0.123	#
10)	B gamma-Chl...	5.929	5.122	1355.1E6	48322391	285.830	1.806	#
11)	B alpha-Chl...	6.026	5.186	48897417	106.0E6	10.258	4.110	#
12)	B 4,4'-DDE	6.192	5.371	5251789	36526450	1.223	1.391	
13)	MA Dieldrin	0.000	5.504	0	31600750	N.D.	1.196	#
14)	MA Endrin	0.000	5.792	0	12607.7E6	N.D.	521.379	#
15)	B Endosulfa...	6.801f	6.085	988015	13780679	0.243	0.600	#
16)	A 4,4'-DDD	6.720f	0.000	1066458	0	0.315	N.D.	#
17)	MA 4,4'-DDT	7.017	6.177	1740912	27463820	0.461	1.173	#
18)	B Endrin al...	6.901	0.000	8413812	0	2.886	N.D.	#
19)	B Endosulfa...	7.140	6.477	279694	2969719	0.074	0.134	#
20)	A Methoxychlor	0.000	6.732f	0	32382957	N.D.	2.656	#
21)	B Endrin ke...	7.614	6.965f	778636	13835119	0.193	0.565	#
22)	Mirex	8.116	7.192	3992	6664873	0.001	0.345	#
23)	Chlordane-1	4.711	3.902	3470867	31270949	17.736	33.673	#
24)	Chlordane-2	5.236	4.484	5137853	30944123	25.550	31.567	
25)	Chlordane-3	5.929	5.122	1355.1E6	48322391	1739.095	16.738	#
26)	Chlordane-4	6.026	5.186	48897417	106.0E6	51.512	43.941	
27)	Chlordane-5	6.868	6.085	669744	13780679	4.061	11.794	#

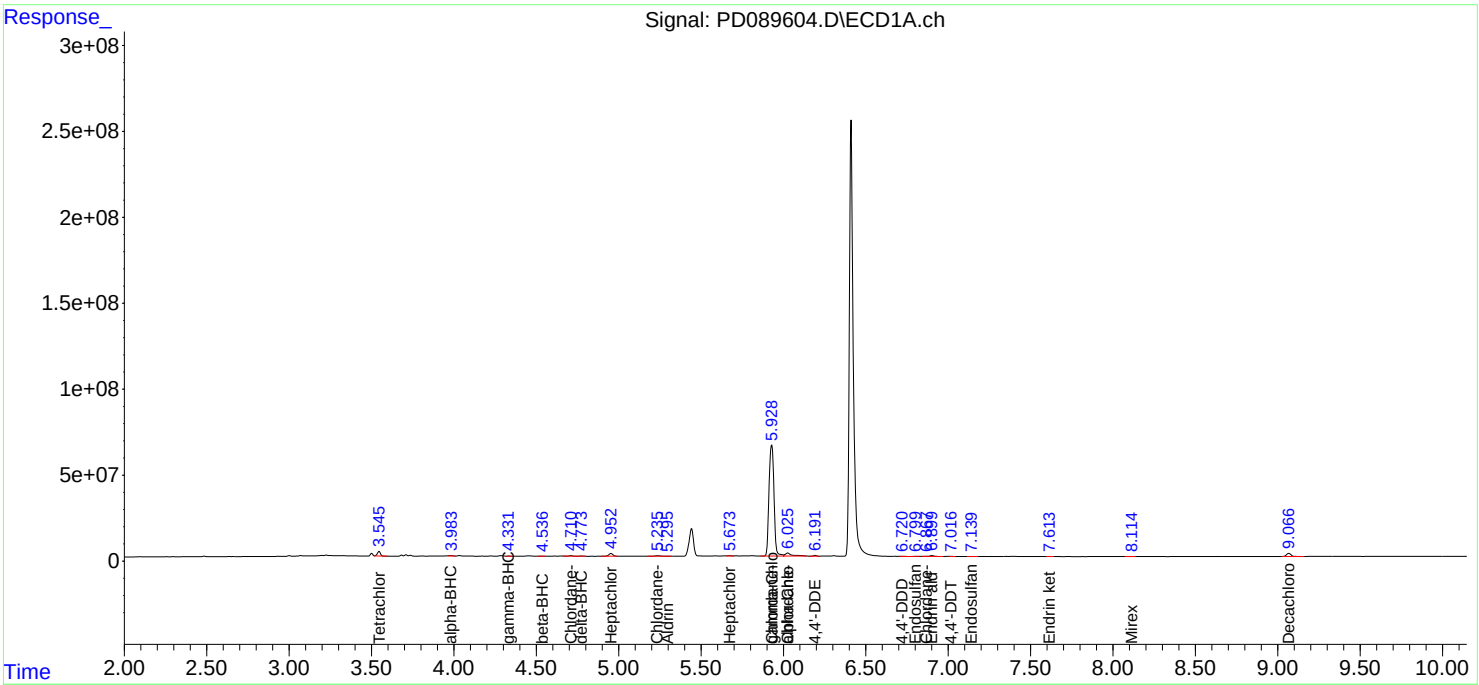
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

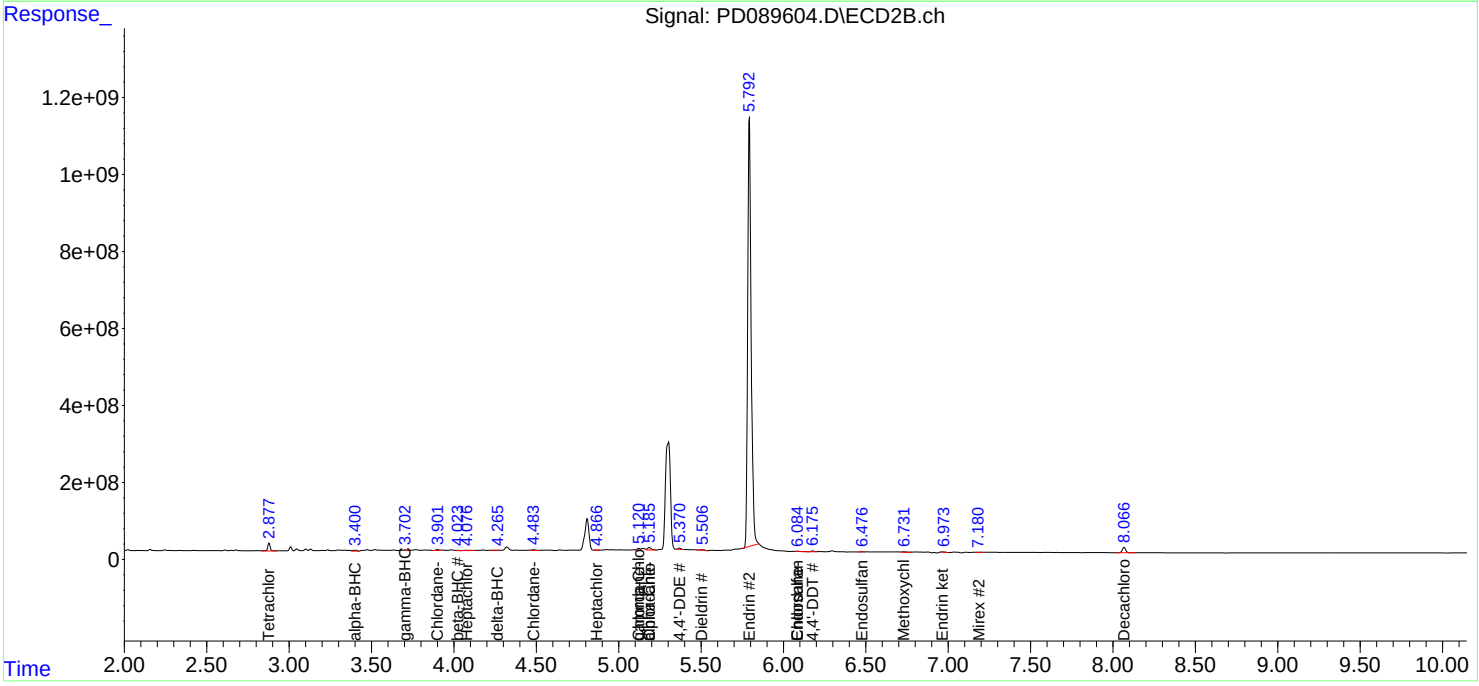
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:54
Operator : AR\AJ
Sample : Q2555-01RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

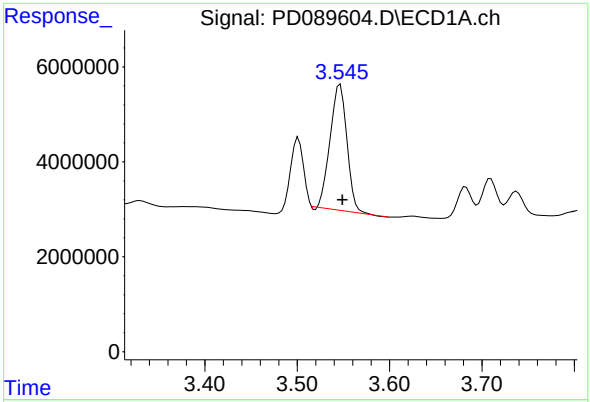
Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



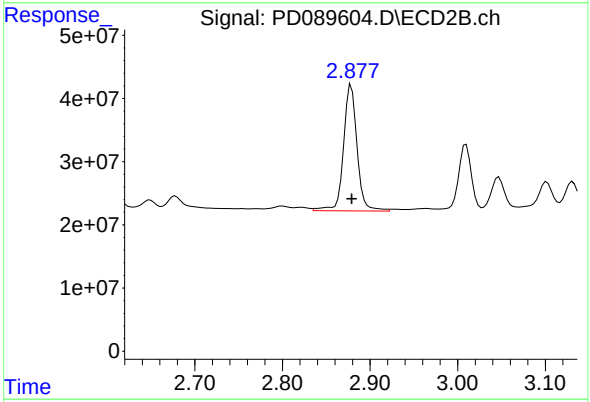




#1 Tetrachloro-m-xylene

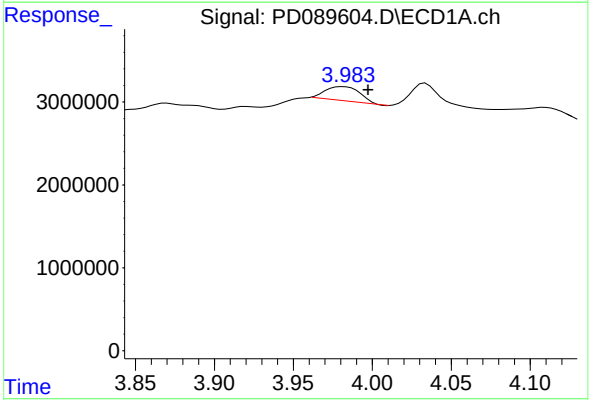
R.T.: 3.547 min
Delta R.T.: -0.002 min
Response: 33214945
Conc: 11.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



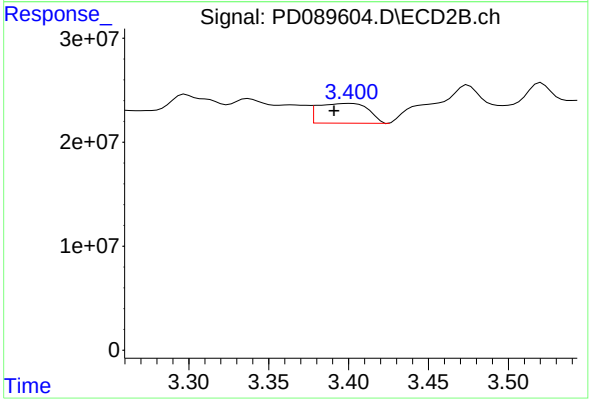
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 215276080
Conc: 11.00 ng/ml



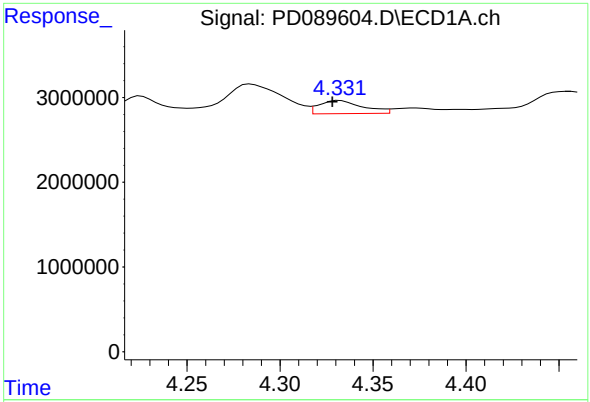
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.016 min
Response: 2583045
Conc: 0.45 ng/ml



#2 alpha-BHC

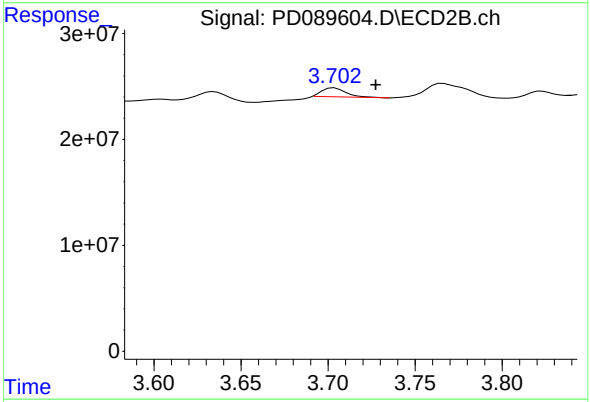
R.T.: 3.401 min
Delta R.T.: 0.010 min
Response: 41779571
Conc: 1.39 ng/ml



#3 gamma-BHC (Lindane)

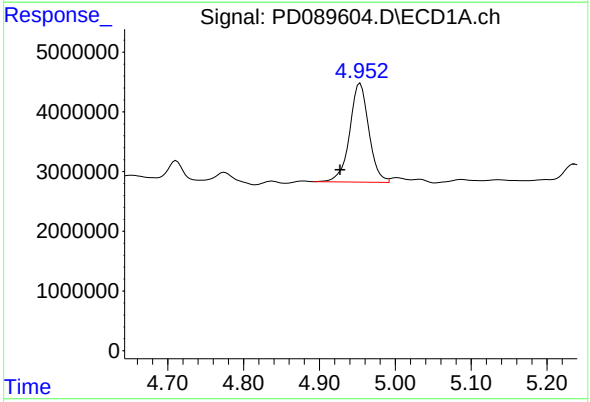
R.T.: 4.332 min
Delta R.T.: 0.004 min
Response: 2528866
Conc: 0.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



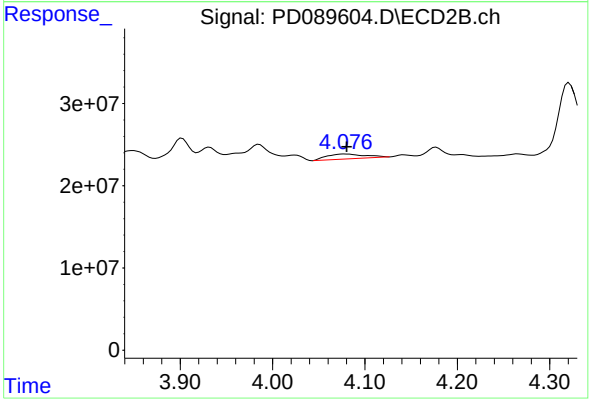
#3 gamma-BHC (Lindane)

R.T.: 3.704 min
Delta R.T.: -0.024 min
Response: 8182860
Conc: 0.29 ng/ml



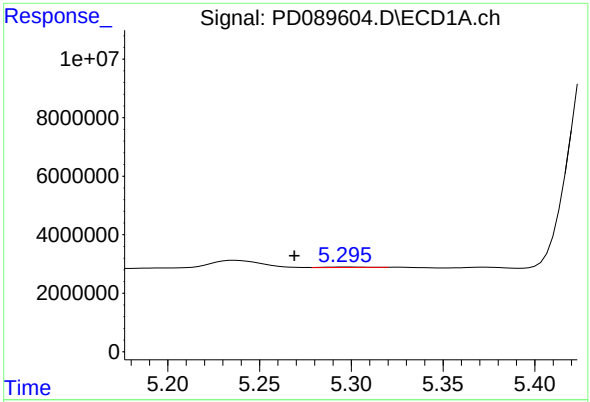
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: 0.026 min
Response: 28957507
Conc: 5.31 ng/ml



#4 Heptachlor

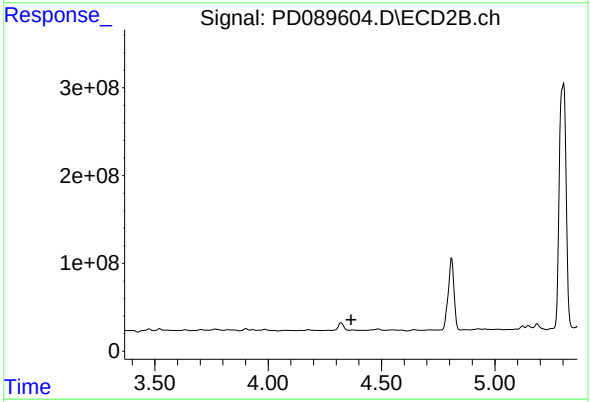
R.T.: 4.078 min
Delta R.T.: -0.002 min
Response: 17264985
Conc: 0.62 ng/ml



#5 Aldrin

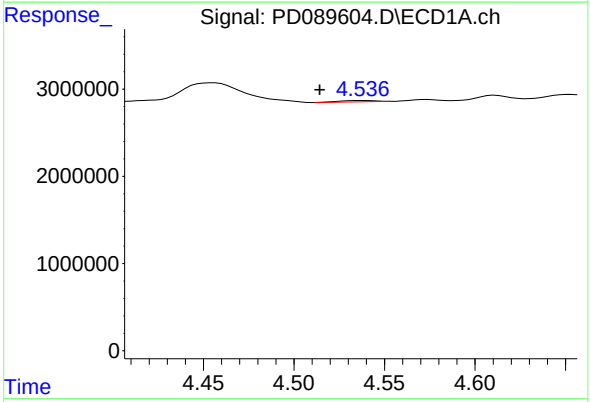
R.T.: 5.297 min
Delta R.T.: 0.028 min
Response: 236592
Conc: 0.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



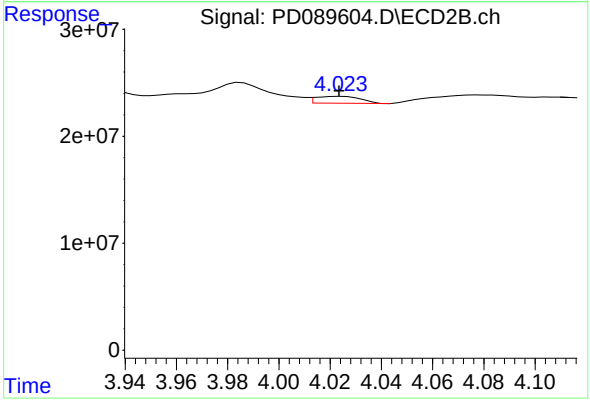
#5 Aldrin

R.T.: 4.375 min
Delta R.T.: 0.009 min
Response: -27627123
Conc: N.D.



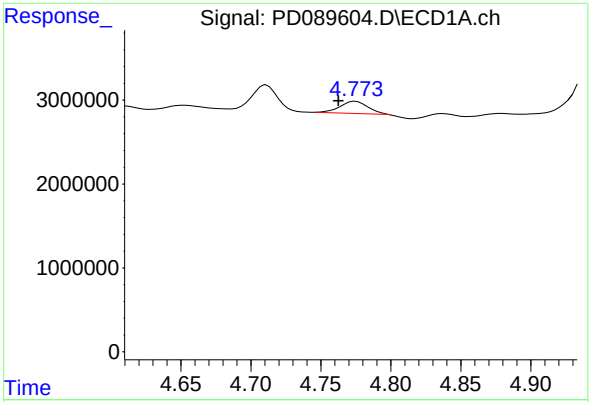
#6 beta-BHC

R.T.: 4.538 min
Delta R.T.: 0.024 min
Response: 207019
Conc: 0.10 ng/ml



#6 beta-BHC

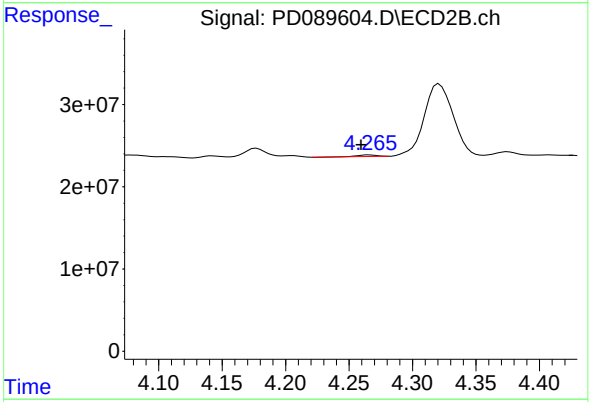
R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 7881239
Conc: 0.66 ng/ml



#7 delta-BHC

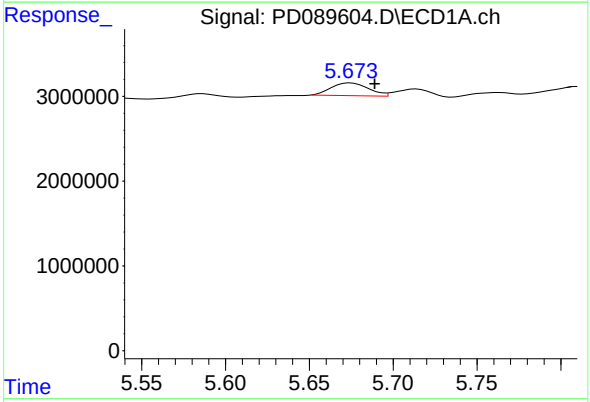
R.T.: 4.775 min
Delta R.T.: 0.012 min
Response: 1952179
Conc: 0.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



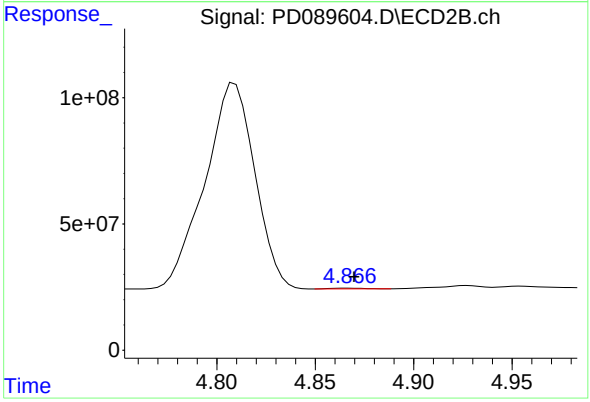
#7 delta-BHC

R.T.: 4.266 min
Delta R.T.: 0.007 min
Response: 1752462
Conc: 0.06 ng/ml



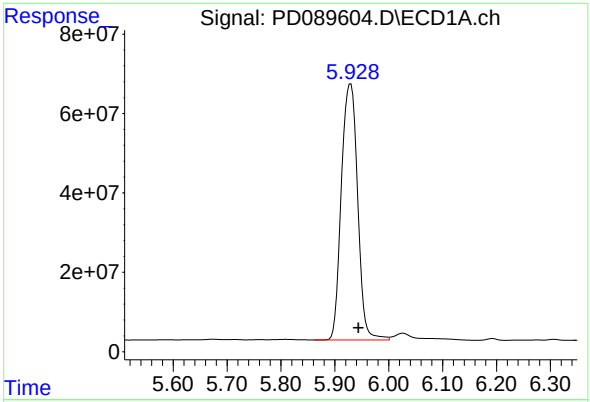
#8 Heptachlor epoxide

R.T.: 5.675 min
Delta R.T.: -0.014 min
Response: 2331437
Conc: 0.49 ng/ml



#8 Heptachlor epoxide

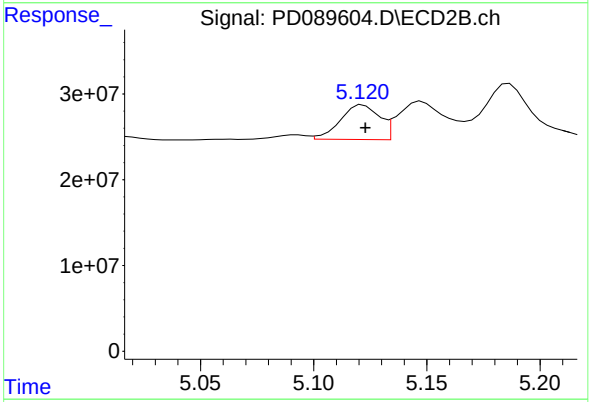
R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 3049612
Conc: 0.12 ng/ml



#10 gamma-Chlordane

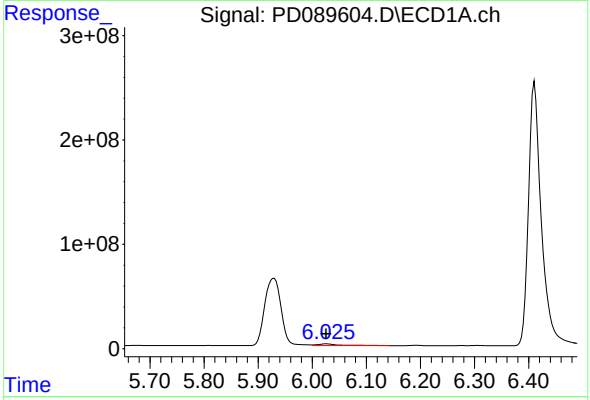
R.T.: 5.929 min
Delta R.T.: -0.015 min
Response: 1355130268
Conc: 285.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



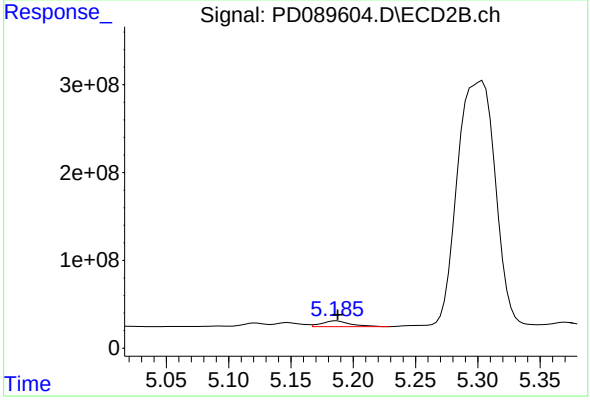
#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 48322391
Conc: 1.81 ng/ml



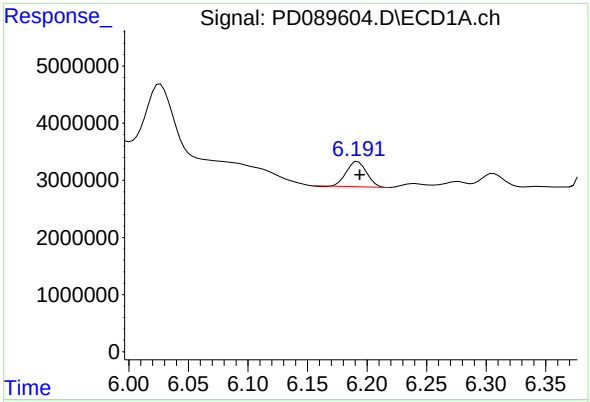
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.001 min
Response: 48897417
Conc: 10.26 ng/ml



#11 alpha-Chlordane

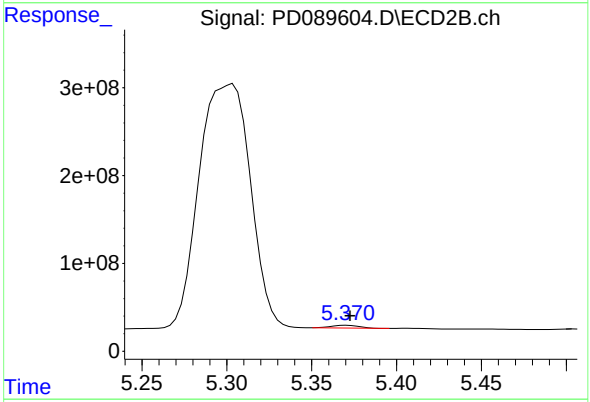
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 105994163
Conc: 4.11 ng/ml



#12 4,4'-DDE

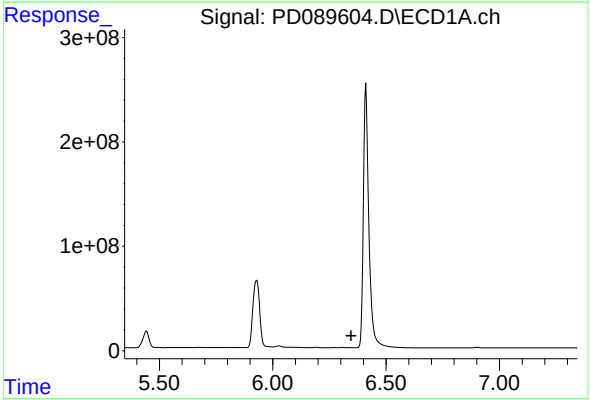
R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 5251789
Conc: 1.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



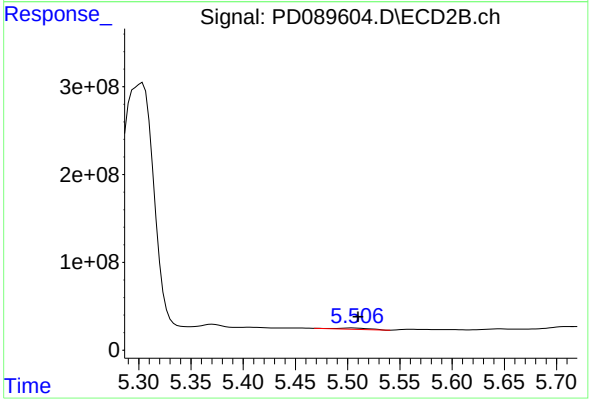
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 36526450
Conc: 1.39 ng/ml



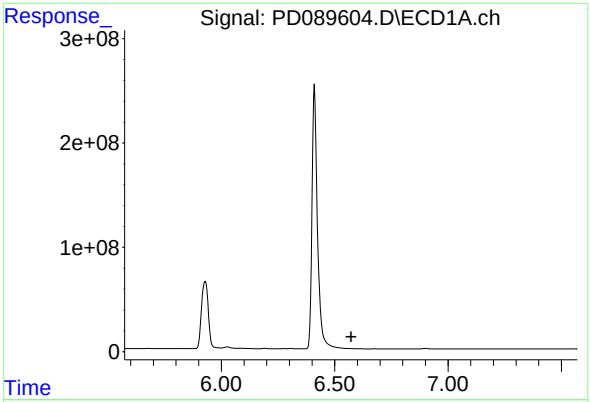
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.



#13 Dieldrin

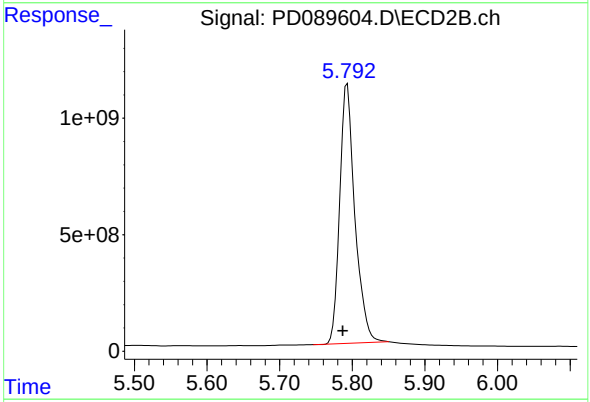
R.T.: 5.504 min
Delta R.T.: -0.005 min
Response: 31600750
Conc: 1.20 ng/ml



#14 Endrin

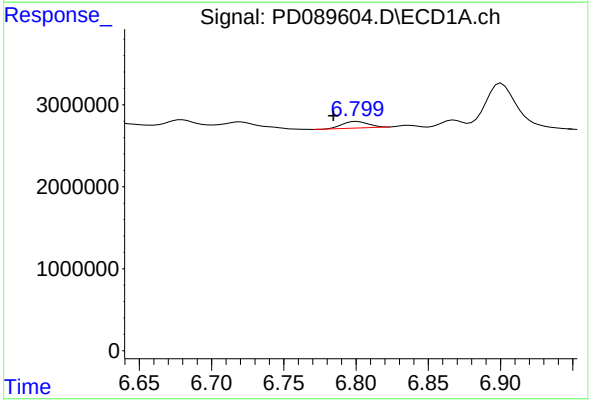
R.T.: 0.000 min
Exp R.T. : 6.573 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



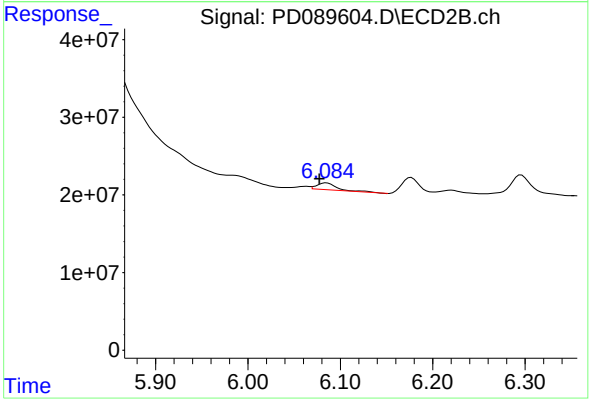
#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.005 min
Response: 12607733168
Conc: 521.38 ng/ml



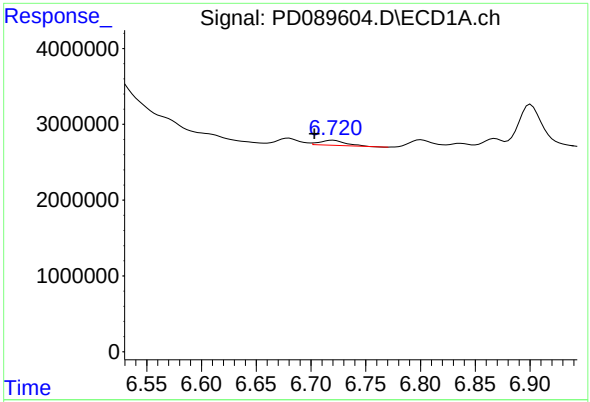
#15 Endosulfan II

R.T.: 6.801 min
Delta R.T.: 0.016 min
Response: 988015
Conc: 0.24 ng/ml



#15 Endosulfan II

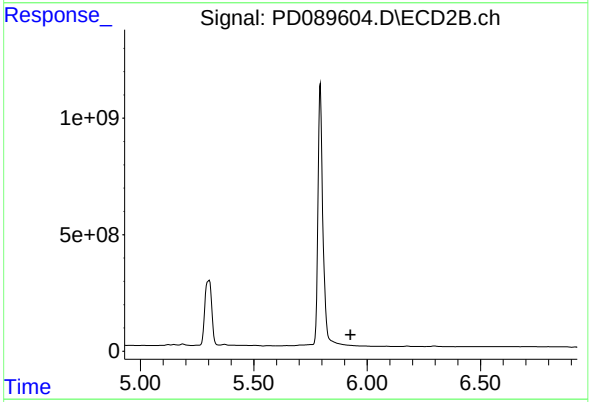
R.T.: 6.085 min
Delta R.T.: 0.007 min
Response: 13780679
Conc: 0.60 ng/ml



#16 4,4'-DDD

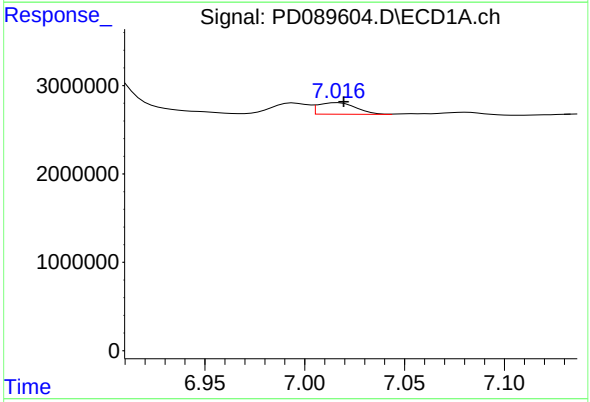
R.T.: 6.720 min
Delta R.T.: 0.017 min
Response: 1066458
Conc: 0.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



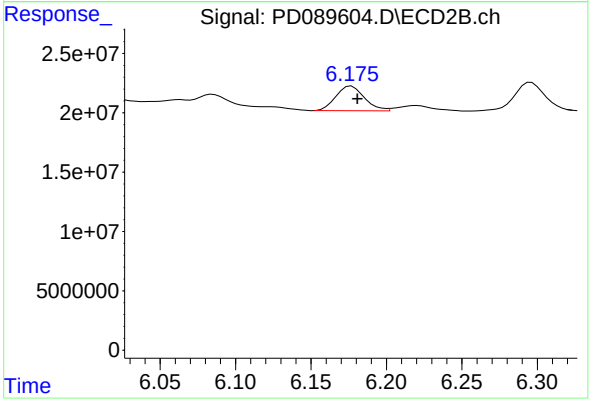
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.927 min
Response: 0
Conc: N.D.



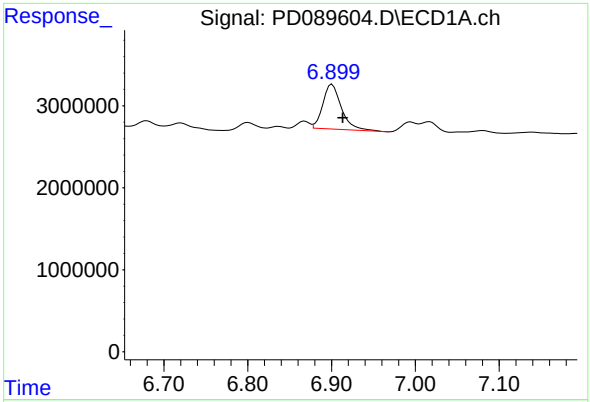
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 1740912
Conc: 0.46 ng/ml



#17 4,4'-DDT

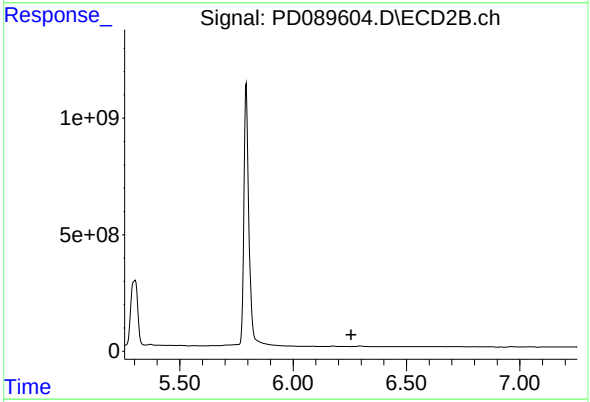
R.T.: 6.177 min
Delta R.T.: -0.004 min
Response: 27463820
Conc: 1.17 ng/ml



#18 Endrin aldehyde

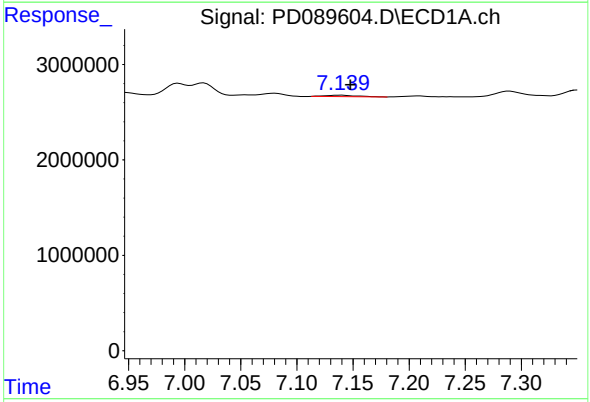
R.T.: 6.901 min
Delta R.T.: -0.013 min
Response: 8413812
Conc: 2.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



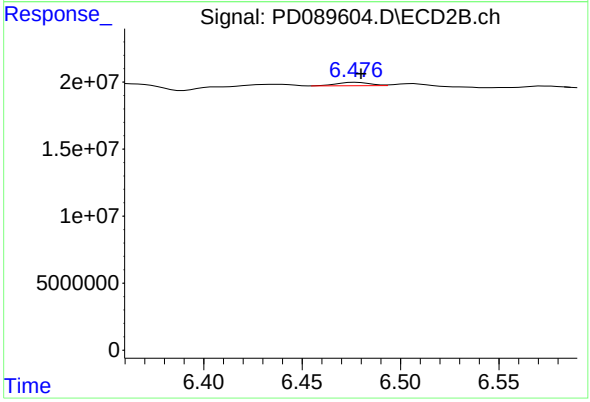
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.256 min
Response: 0
Conc: N.D.



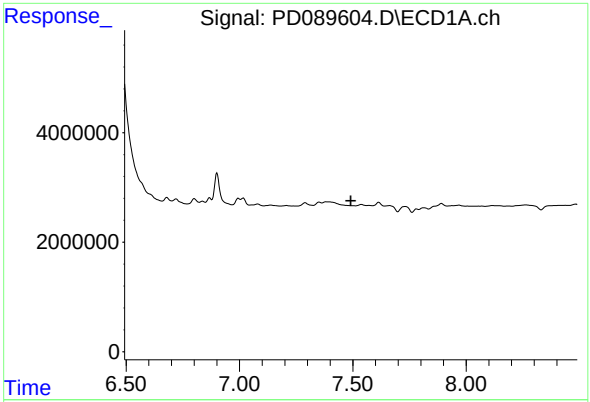
#19 Endosulfan Sulfate

R.T.: 7.140 min
Delta R.T.: -0.008 min
Response: 279694
Conc: 0.07 ng/ml



#19 Endosulfan Sulfate

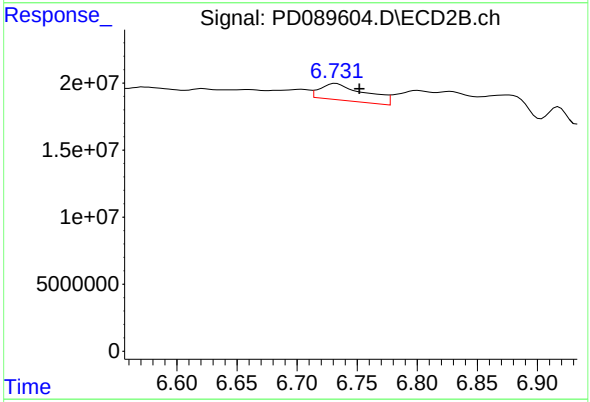
R.T.: 6.477 min
Delta R.T.: -0.003 min
Response: 2969719
Conc: 0.13 ng/ml



#20 Methoxychlor

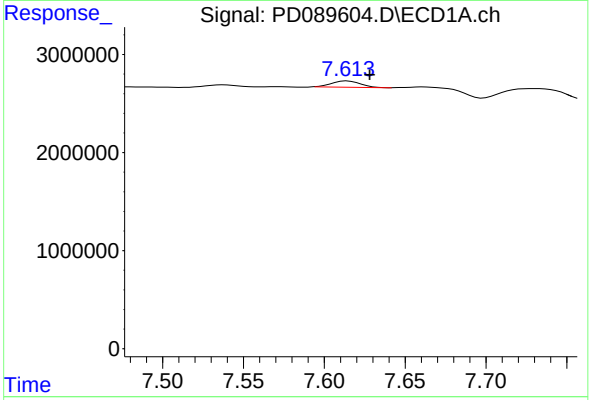
R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



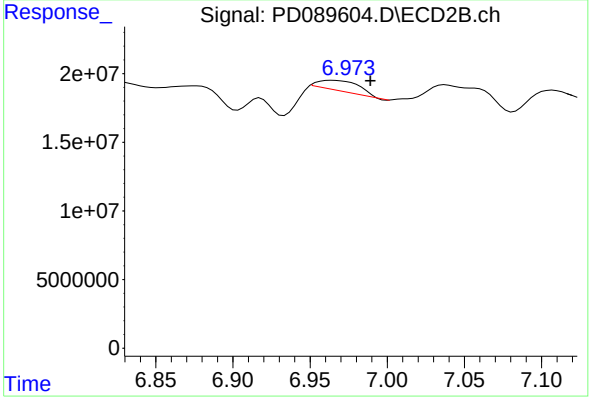
#20 Methoxychlor

R.T.: 6.732 min
Delta R.T.: -0.020 min
Response: 32382957
Conc: 2.66 ng/ml



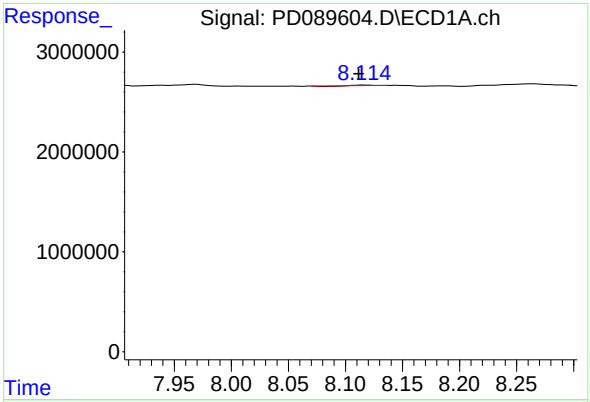
#21 Endrin ketone

R.T.: 7.614 min
Delta R.T.: -0.014 min
Response: 778636
Conc: 0.19 ng/ml



#21 Endrin ketone

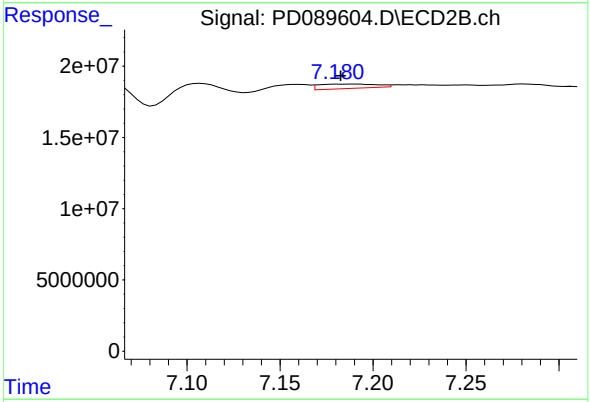
R.T.: 6.965 min
Delta R.T.: -0.025 min
Response: 13835119
Conc: 0.56 ng/ml



#22 Mirex

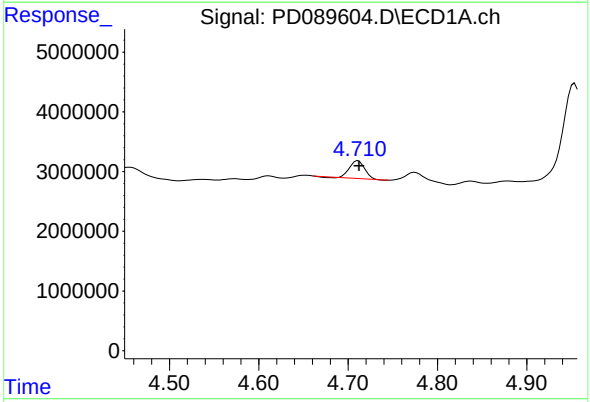
R.T.: 8.116 min
Delta R.T.: 0.004 min
Response: 3992
Conc: 0.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



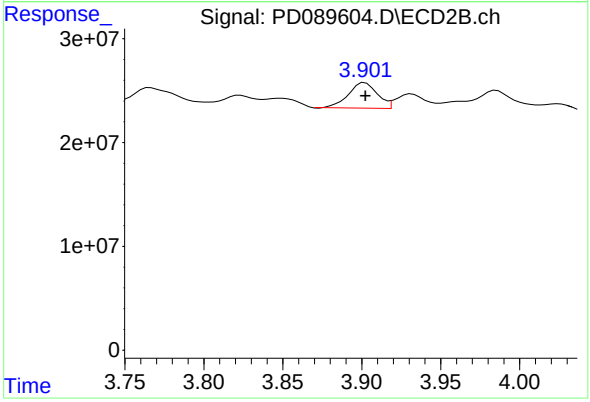
#22 Mirex

R.T.: 7.192 min
Delta R.T.: 0.010 min
Response: 6664873
Conc: 0.34 ng/ml



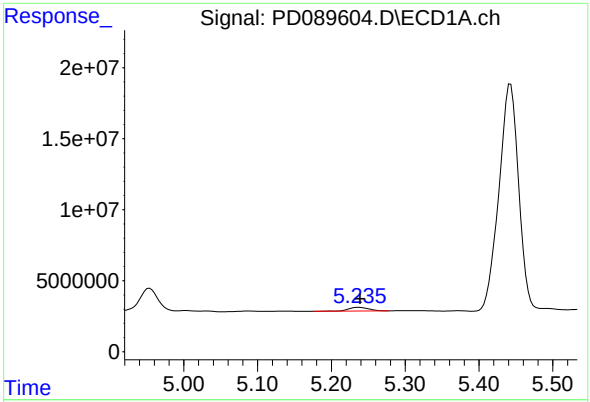
#23 Chlordane-1

R.T.: 4.711 min
Delta R.T.: -0.001 min
Response: 3470867
Conc: 17.74 ng/ml



#23 Chlordane-1

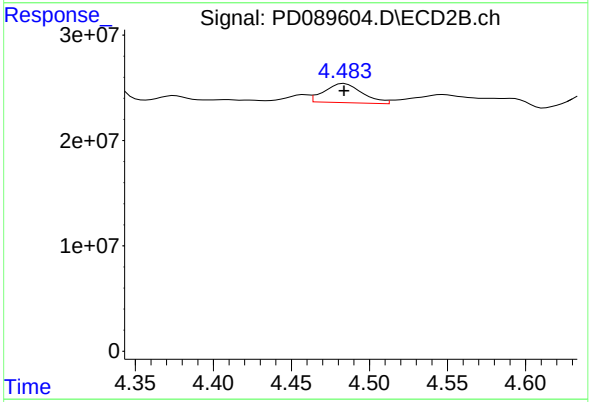
R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 31270949
Conc: 33.67 ng/ml



#24 Chlordane-2

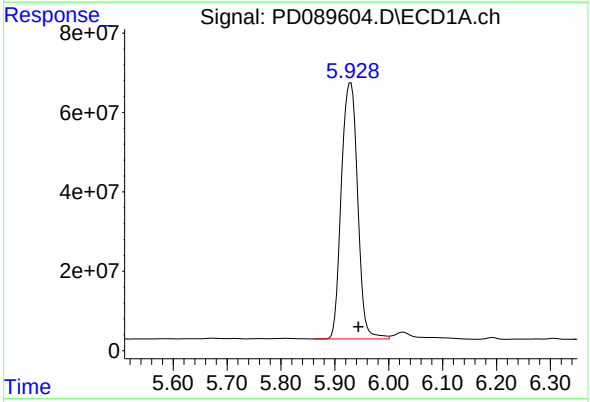
R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 5137853
Conc: 25.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



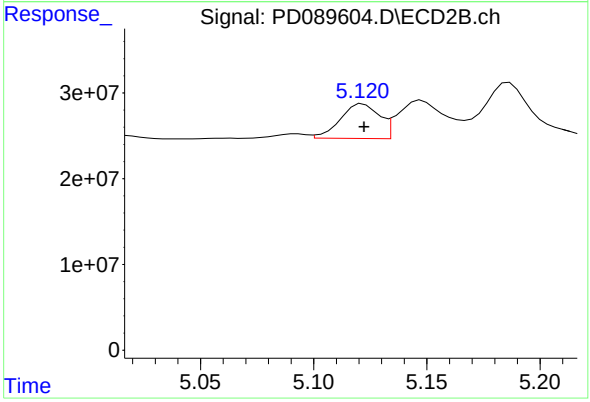
#24 Chlordane-2

R.T.: 4.484 min
Delta R.T.: 0.000 min
Response: 30944123
Conc: 31.57 ng/ml



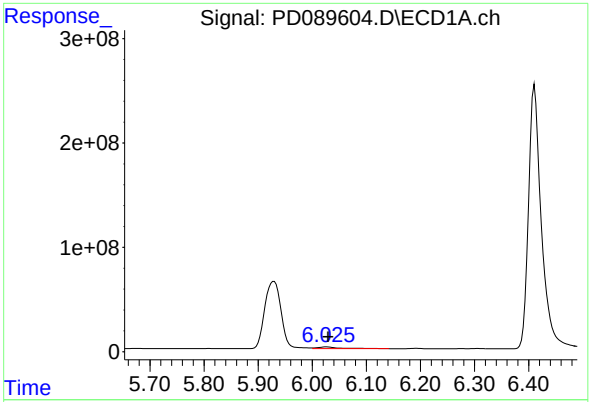
#25 Chlordane-3

R.T.: 5.929 min
Delta R.T.: -0.015 min
Response: 1355130268
Conc: 1739.10 ng/ml



#25 Chlordane-3

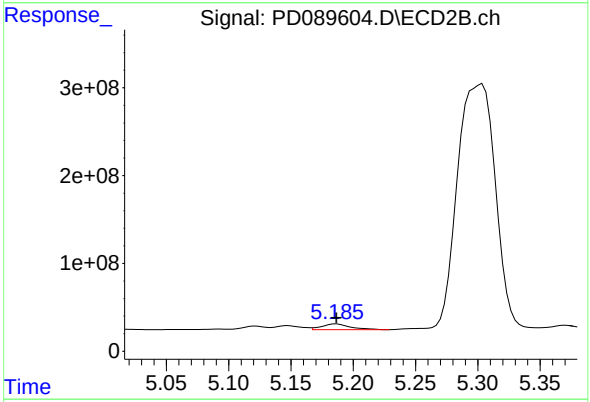
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 48322391
Conc: 16.74 ng/ml



#26 Chlordane-4

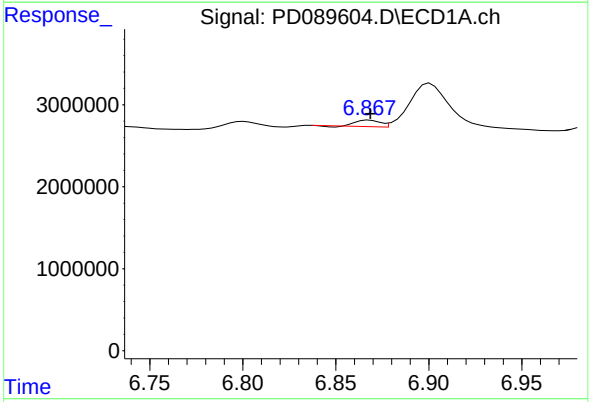
R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 48897417
Conc: 51.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



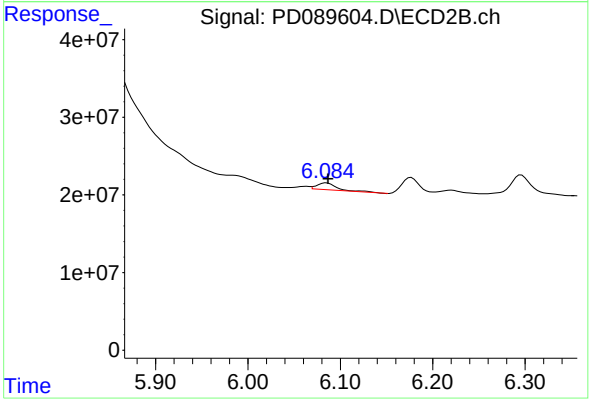
#26 Chlordane-4

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 105994163
Conc: 43.94 ng/ml



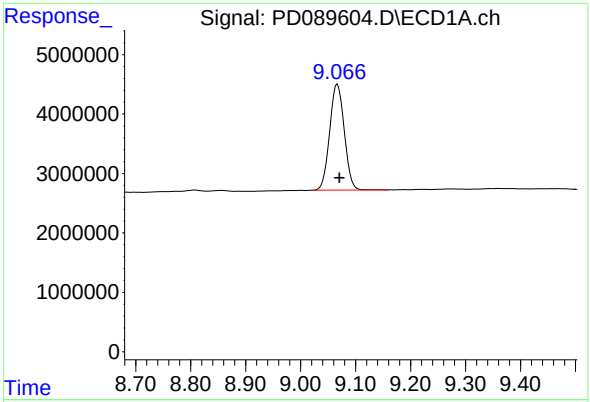
#27 Chlordane-5

R.T.: 6.868 min
Delta R.T.: 0.000 min
Response: 669744
Conc: 4.06 ng/ml



#27 Chlordane-5

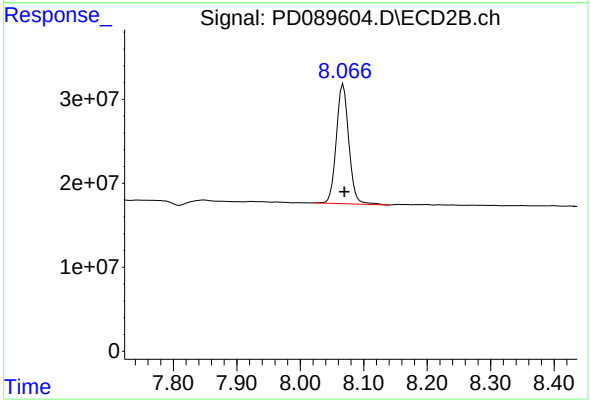
R.T.: 6.085 min
Delta R.T.: -0.002 min
Response: 13780679
Conc: 11.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 32905219
Conc: 8.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-29-070925RE



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.002 min
Response: 194906610
Conc: 7.93 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:08
Operator : AR\AJ
Sample : Q2555-03RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	24872958	183.8E6	8.632	9.391	
28)	SA Decachlor...	9.069	8.068	29425003	173.1E6	7.165	7.047	
	Target Compounds							
2)	A alpha-BHC	3.976f	3.401	895792	10287627	0.157	0.342	#
3)	MA gamma-BHC...	0.000	3.716	0	2977192	N.D.	0.107	#
4)	MA Heptachlor	4.927	4.079	1727088	23381556	0.317	0.835	#
5)	MB Aldrin	5.297f	4.373	220730	743733	0.042	0.027	#
6)	B beta-BHC	4.543f	4.026	280284	6672534	0.130	0.561	#
7)	B delta-BHC	4.776	4.262	3381590	3933341	0.640	0.141	#
8)	B Heptachlo...	5.672f	4.867	2538529	2246104	0.537	0.090	#
9)	A Endosulfan I	0.000	5.265f	0	11378663	N.D.	0.479	#
10)	B gamma-Chl...	5.943	5.122	17262931	75508784	3.641	2.822	
11)	B alpha-Chl...	6.027	5.186	29045487	129.5E6	6.093	5.021	
12)	B 4,4'-DDE	6.193	5.371	5410037	38386408	1.260	1.462	
13)	MA Dieldrin	6.344	5.505	322903	29041774	0.068	1.099	#
14)	MA Endrin	6.572	5.791	522187	15832757	0.128	0.655	#
15)	B Endosulfa...	0.000	6.086	0	24949690	N.D.	1.086	#
16)	A 4,4'-DDD	6.722f	5.926	1802673	470188	0.532	0.021	#
17)	MA 4,4'-DDT	7.017	6.177	2036191	29260649	0.540	1.250	#
18)	B Endrin al...	0.000	6.275f	0	2563348	N.D.	0.154	#
19)	B Endosulfa...	7.140	6.478	165192	2856370	0.044	0.129	#
20)	A Methoxychlor	0.000	6.732f	0	13059206	N.D.	1.071	#
21)	B Endrin ke...	7.613f	0.000	851750	0	0.212	N.D.	#
22)	Mirex	8.121	7.197	241346	7482790	0.078	0.387	#
23)	Chlordane-1	4.711	3.902	4812605	50584356	24.592	54.470	#
24)	Chlordane-2	5.237	4.485	7655138	45593531	38.069	46.512	
25)	Chlordane-3	5.943	5.122	17262931	75508784	22.154	26.155	
26)	Chlordane-4	6.027	5.186	29045487	129.5E6	30.599	53.684	#
27)	Chlordane-5	6.868	6.086	2050499	24949690	12.433	21.353	#

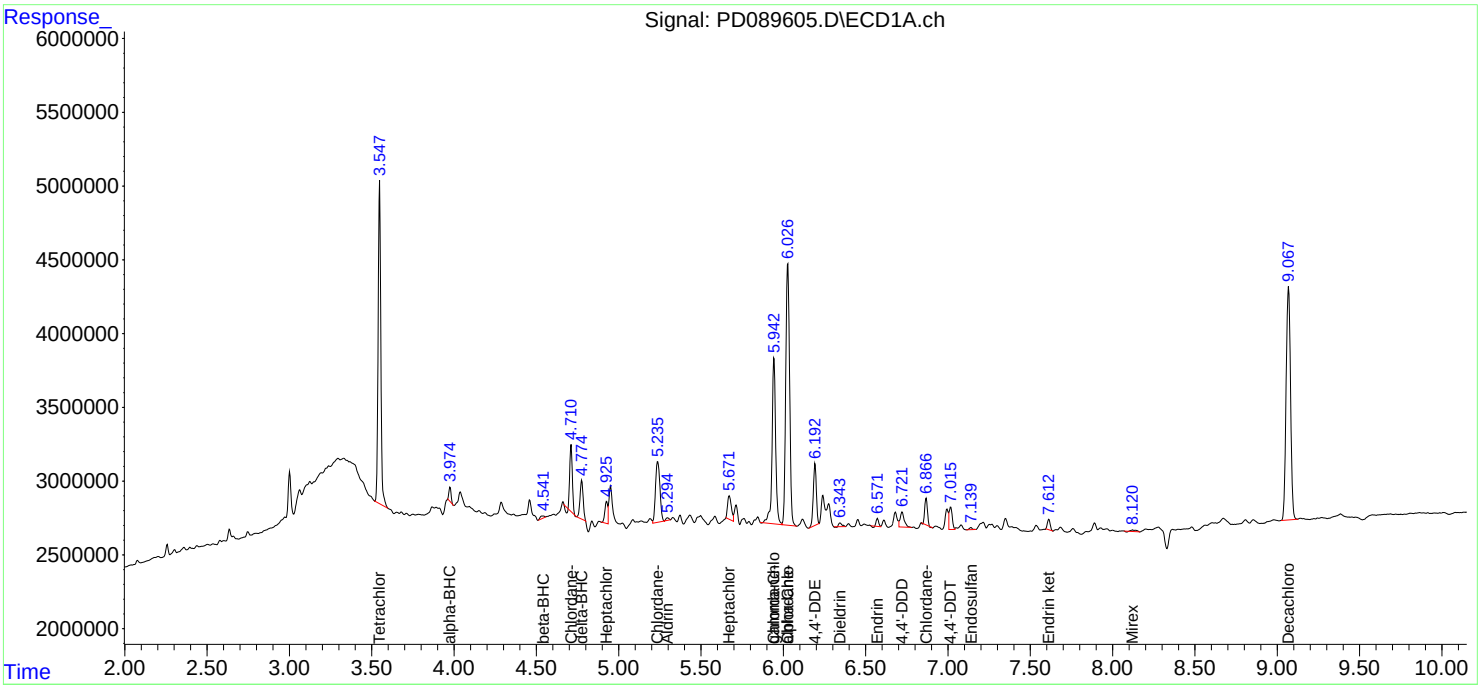
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

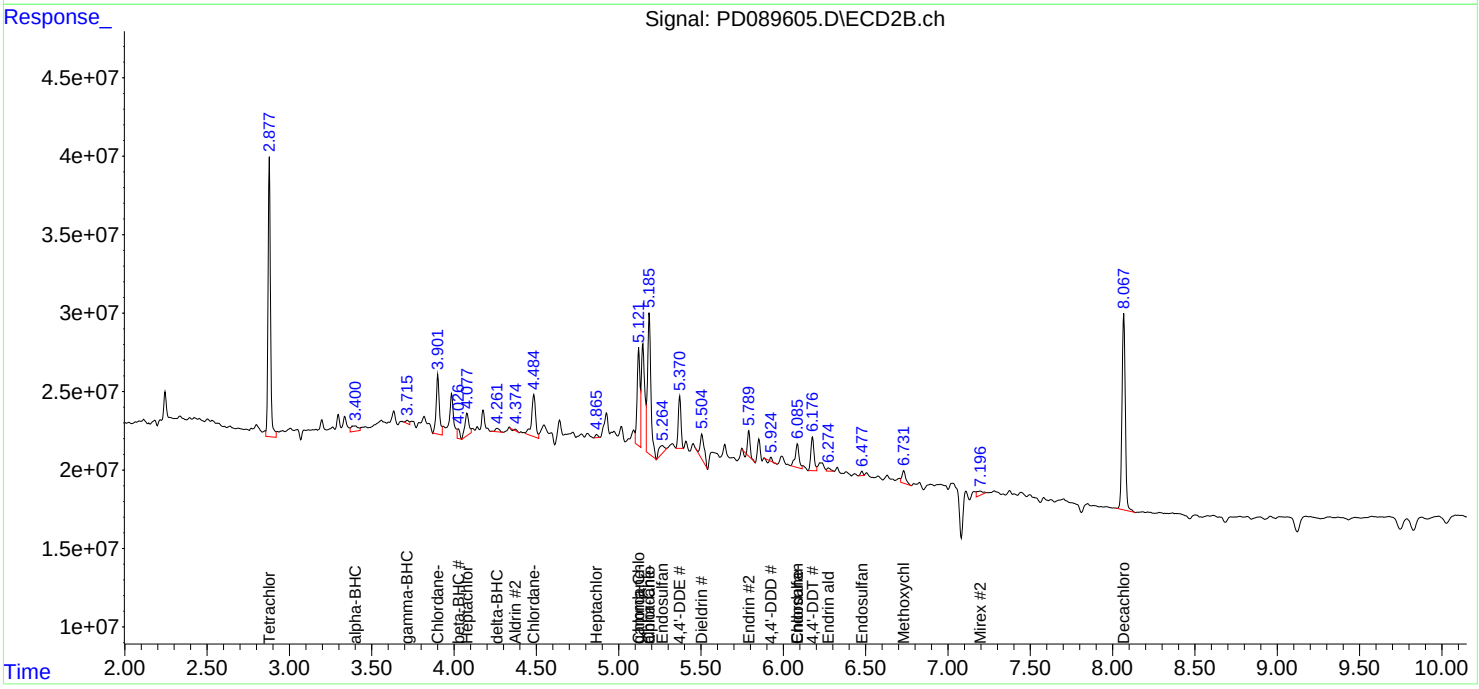
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:08
Operator : AR\AJ
Sample : Q2555-03RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

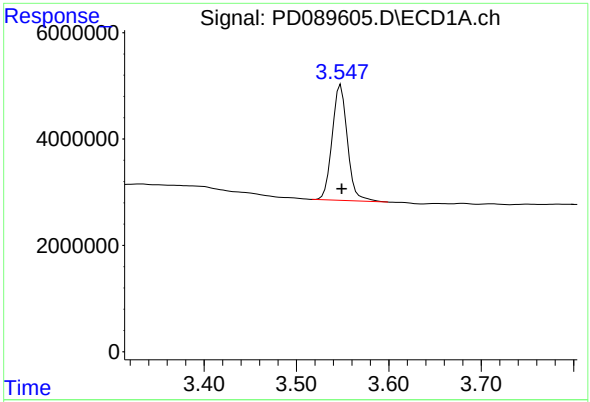
Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:11:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



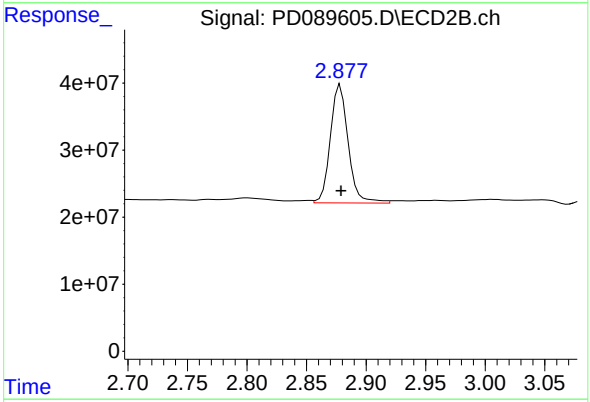




#1 Tetrachloro-m-xylene

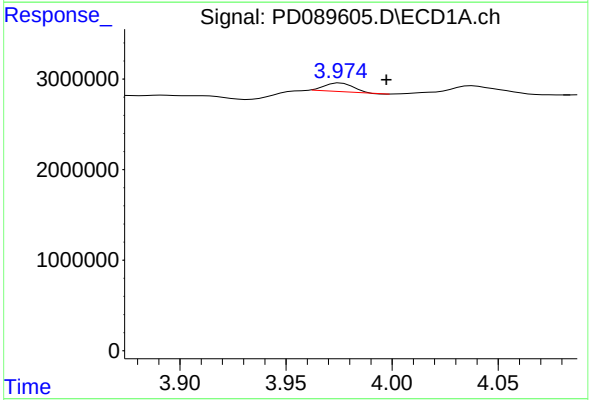
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 24872958
Conc: 8.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



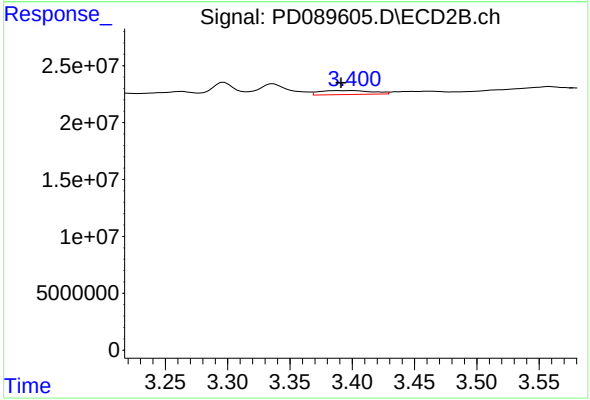
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 183750173
Conc: 9.39 ng/ml



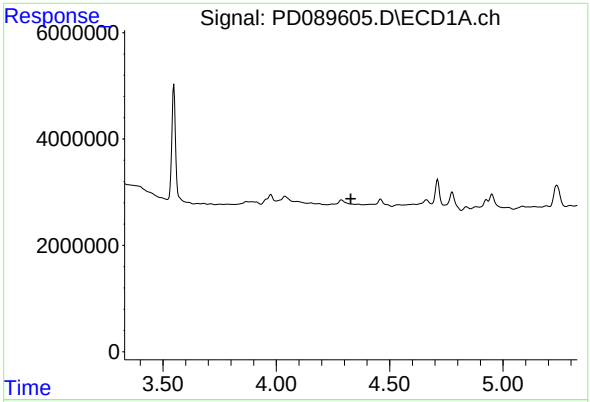
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.021 min
Response: 895792
Conc: 0.16 ng/ml



#2 alpha-BHC

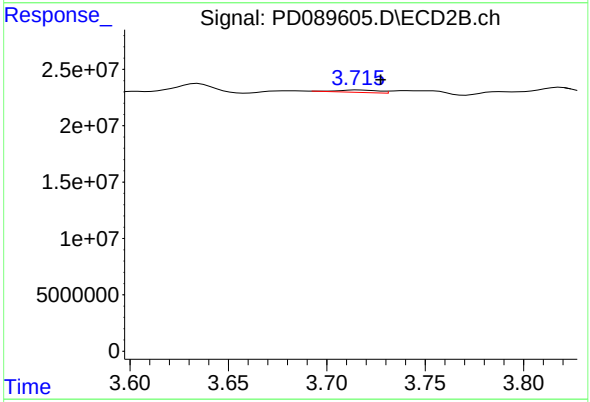
R.T.: 3.401 min
Delta R.T.: 0.010 min
Response: 10287627
Conc: 0.34 ng/ml



#3 gamma-BHC (Lindane)

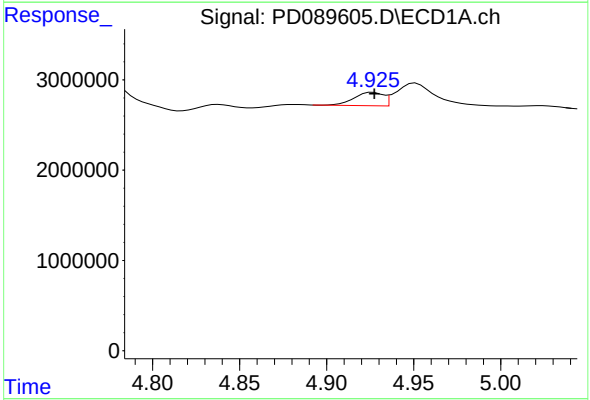
R.T.: 0.000 min
Exp R.T. : 4.328 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



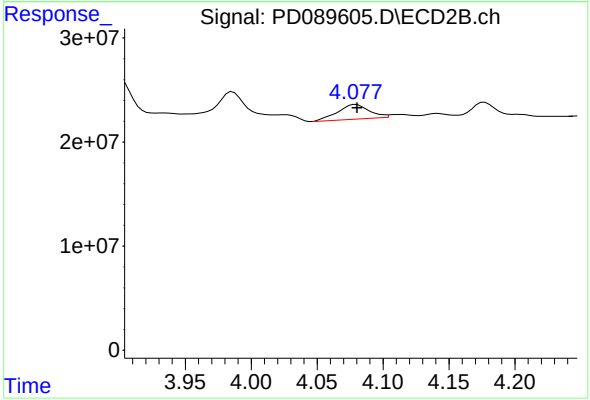
#3 gamma-BHC (Lindane)

R.T.: 3.716 min
Delta R.T.: -0.012 min
Response: 2977192
Conc: 0.11 ng/ml



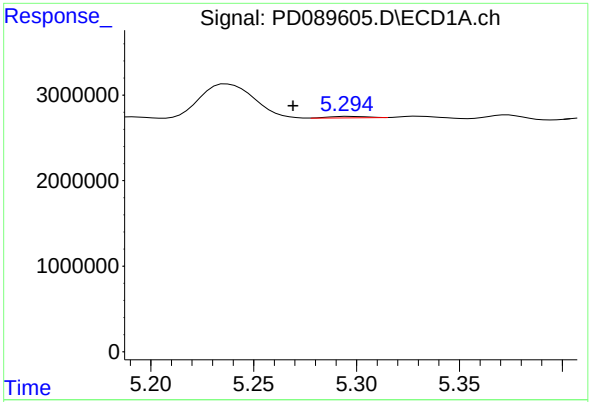
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 1727088
Conc: 0.32 ng/ml



#4 Heptachlor

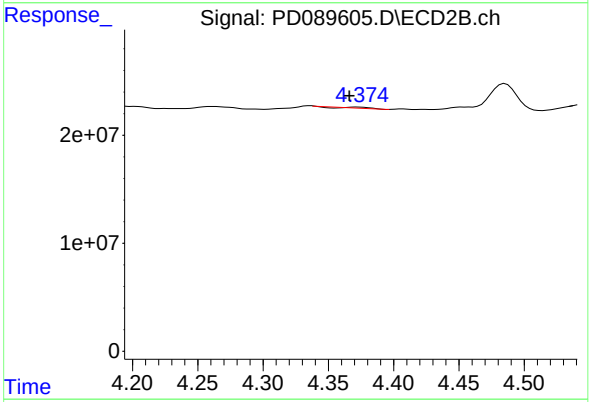
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 23381556
Conc: 0.83 ng/ml



#5 Aldrin

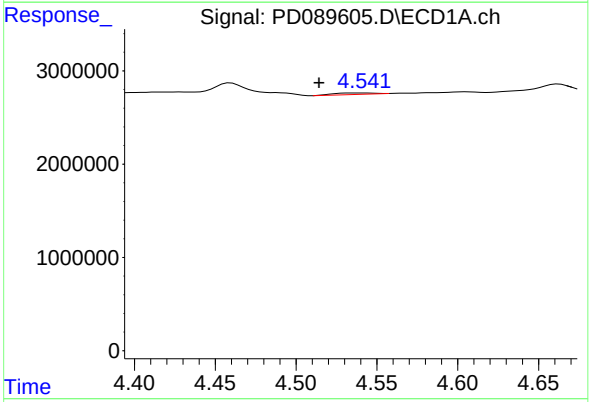
R.T.: 5.297 min
Delta R.T.: 0.027 min
Response: 220730
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



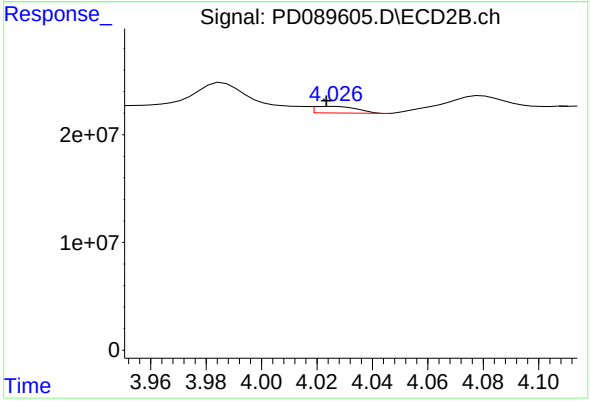
#5 Aldrin

R.T.: 4.373 min
Delta R.T.: 0.007 min
Response: 743733
Conc: 0.03 ng/ml



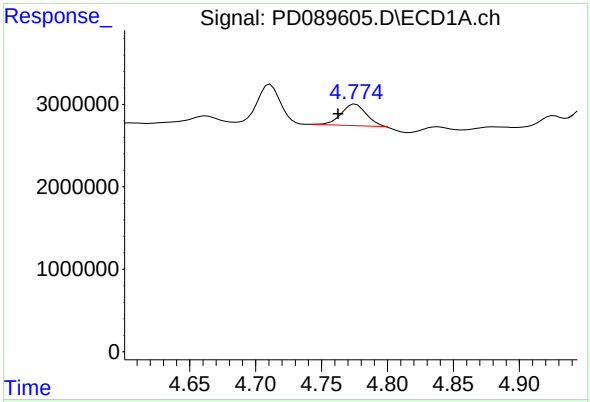
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: 0.028 min
Response: 280284
Conc: 0.13 ng/ml



#6 beta-BHC

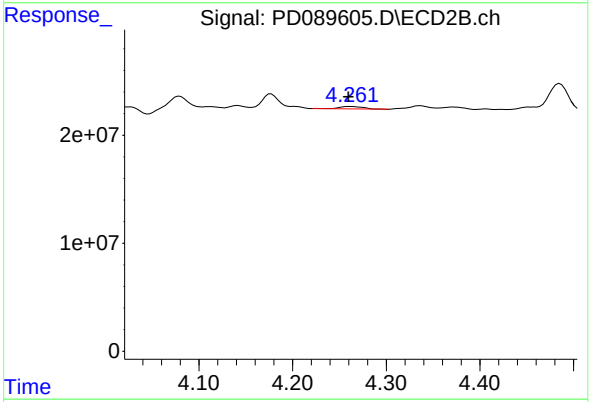
R.T.: 4.026 min
Delta R.T.: 0.003 min
Response: 6672534
Conc: 0.56 ng/ml



#7 delta-BHC

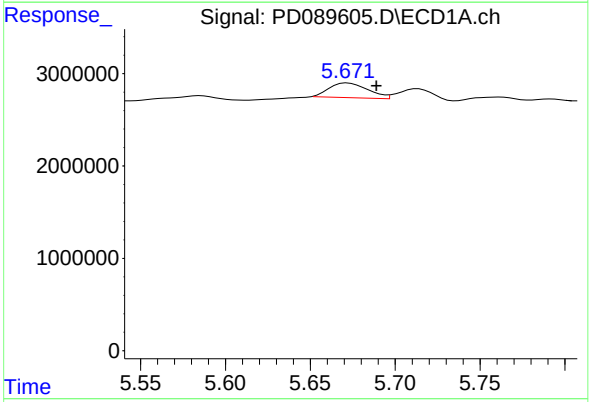
R.T.: 4.776 min
Delta R.T.: 0.013 min
Response: 3381590
Conc: 0.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



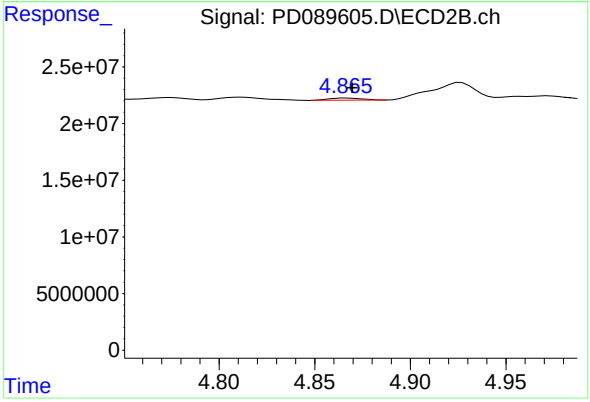
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.003 min
Response: 3933341
Conc: 0.14 ng/ml



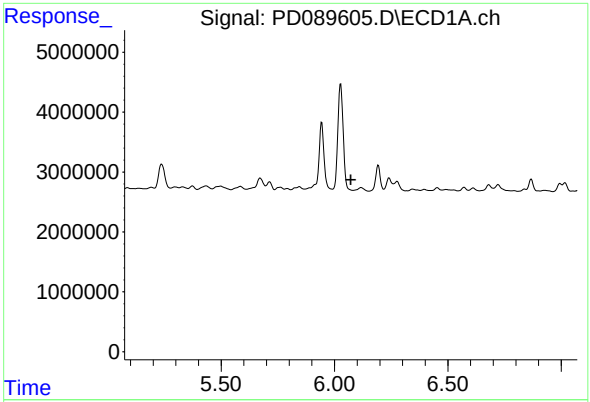
#8 Heptachlor epoxide

R.T.: 5.672 min
Delta R.T.: -0.017 min
Response: 2538529
Conc: 0.54 ng/ml



#8 Heptachlor epoxide

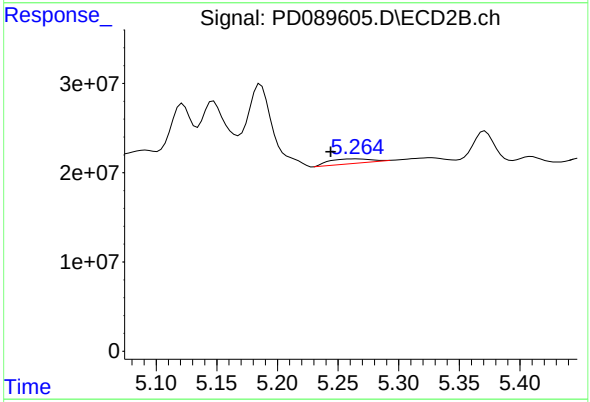
R.T.: 4.867 min
Delta R.T.: -0.003 min
Response: 2246104
Conc: 0.09 ng/ml



#9 Endosulfan I

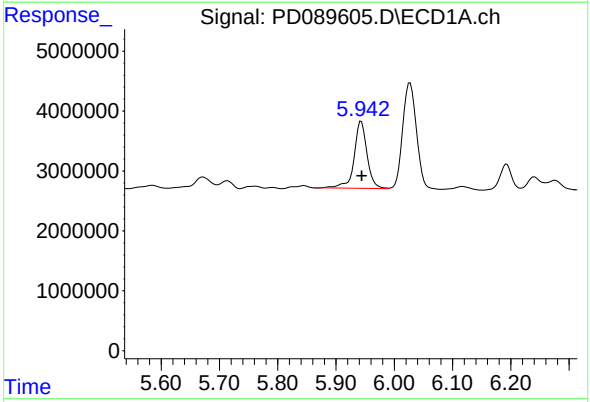
R.T.: 0.000 min
Exp R.T. : 6.073 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



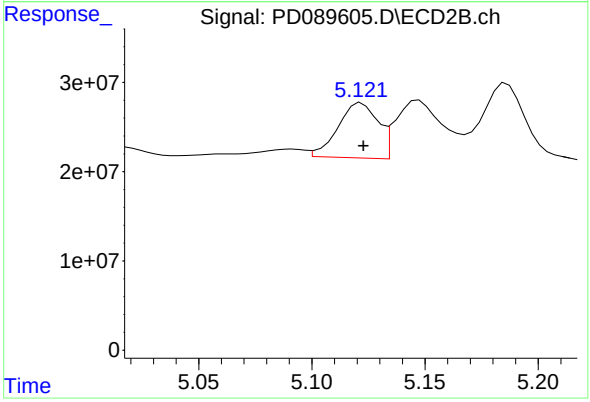
#9 Endosulfan I

R.T.: 5.265 min
Delta R.T.: 0.021 min
Response: 11378663
Conc: 0.48 ng/ml



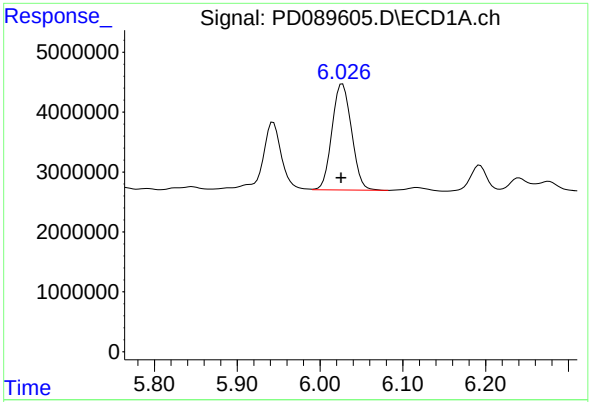
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 17262931
Conc: 3.64 ng/ml



#10 gamma-Chlordane

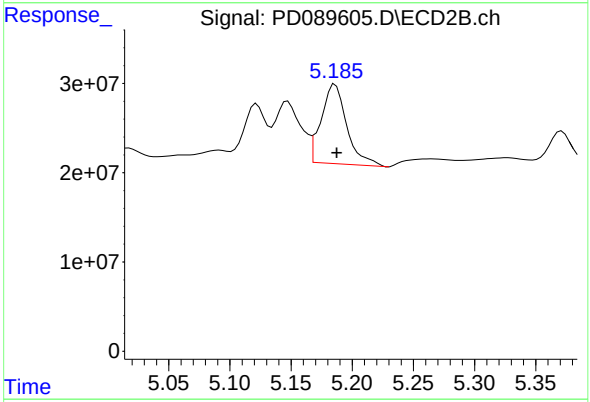
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 75508784
Conc: 2.82 ng/ml



#11 alpha-Chlordane

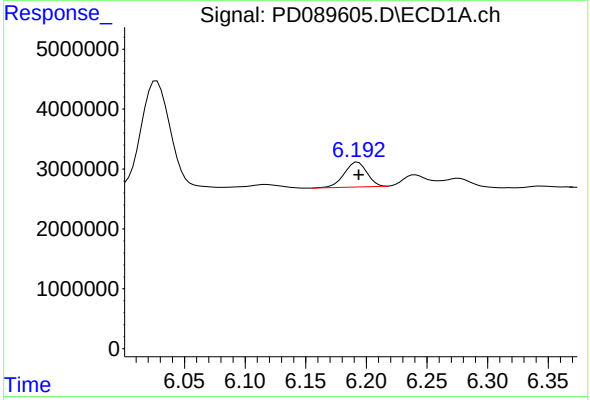
R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 29045487
Conc: 6.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



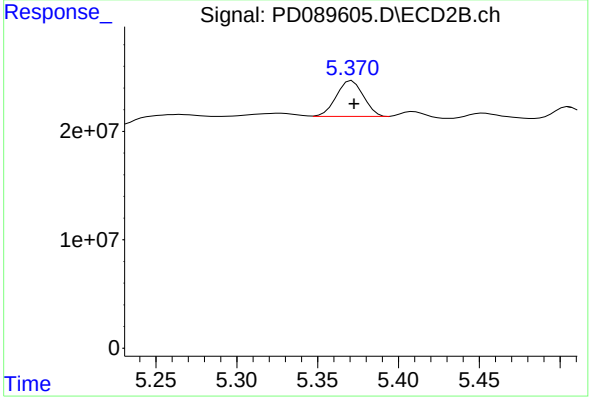
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 129494891
Conc: 5.02 ng/ml



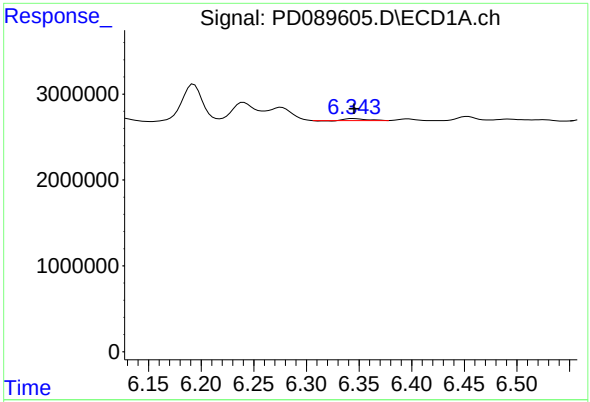
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 5410037
Conc: 1.26 ng/ml



#12 4,4'-DDE

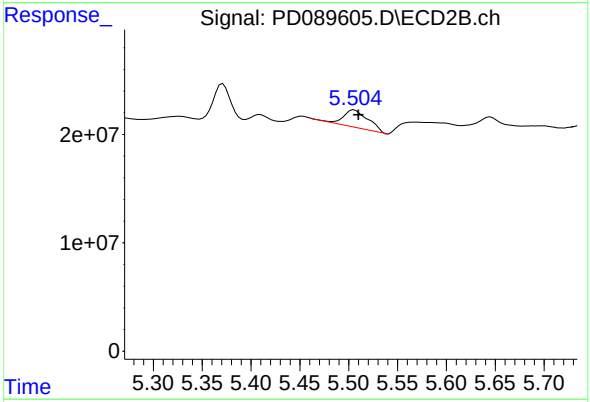
R.T.: 5.371 min
Delta R.T.: -0.001 min
Response: 38386408
Conc: 1.46 ng/ml



#13 Dieldrin

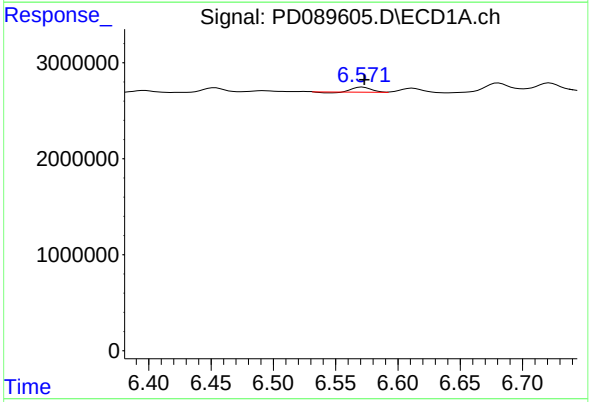
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 322903
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



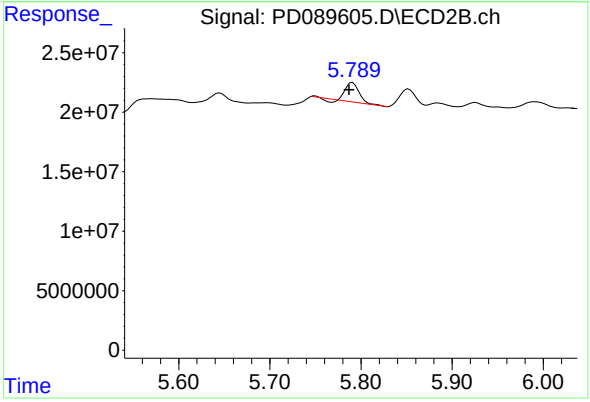
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.004 min
Response: 29041774
Conc: 1.10 ng/ml



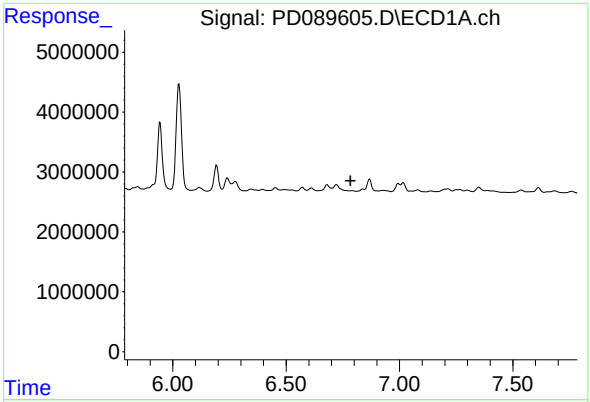
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.001 min
Response: 522187
Conc: 0.13 ng/ml



#14 Endrin

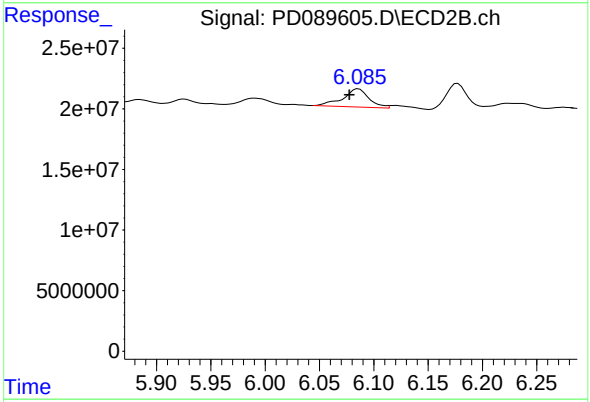
R.T.: 5.791 min
Delta R.T.: 0.004 min
Response: 15832757
Conc: 0.65 ng/ml



#15 Endosulfan II

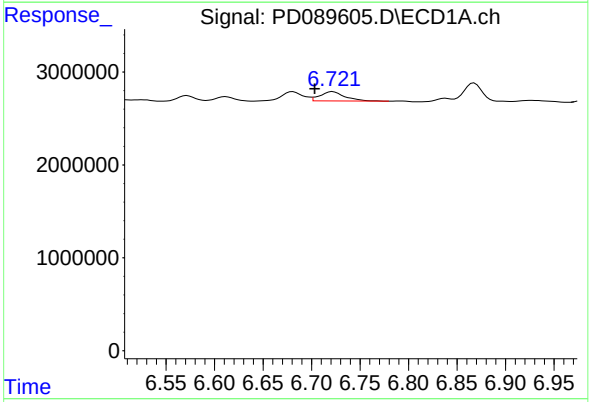
R.T.: 0.000 min
Exp R.T. : 6.784 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



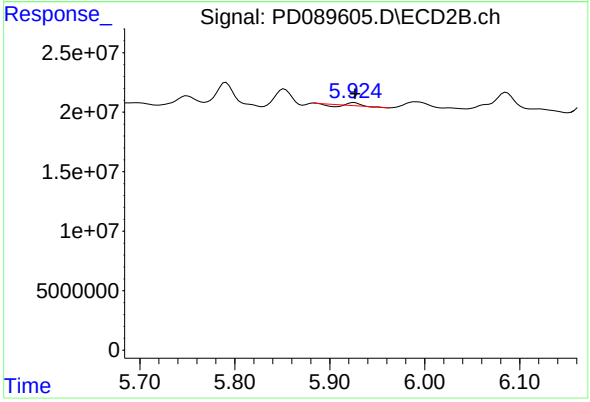
#15 Endosulfan II

R.T.: 6.086 min
Delta R.T.: 0.008 min
Response: 24949690
Conc: 1.09 ng/ml



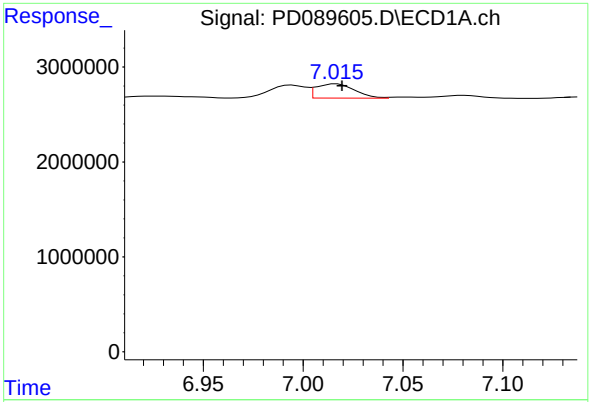
#16 4,4'-DDD

R.T.: 6.722 min
Delta R.T.: 0.019 min
Response: 1802673
Conc: 0.53 ng/ml



#16 4,4'-DDD

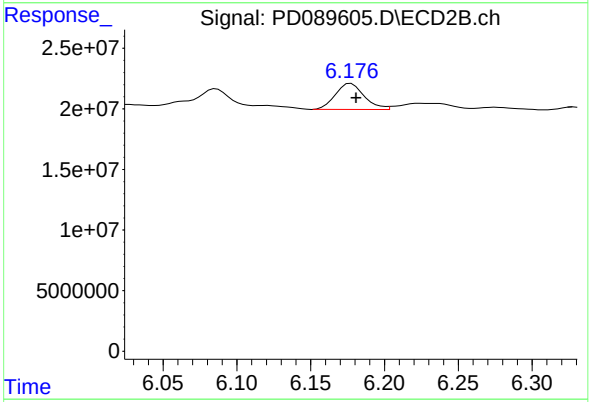
R.T.: 5.926 min
Delta R.T.: -0.001 min
Response: 470188
Conc: 0.02 ng/ml



#17 4,4'-DDT

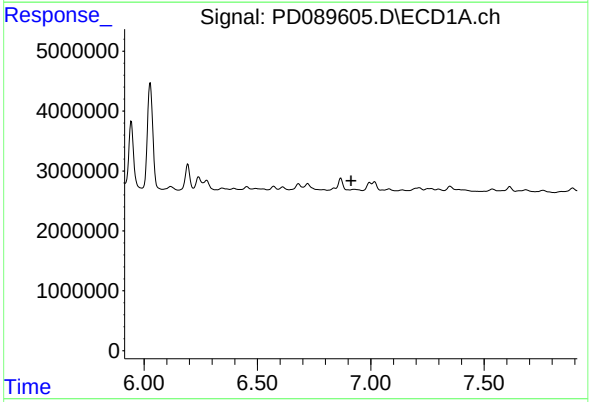
R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 2036191
Conc: 0.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



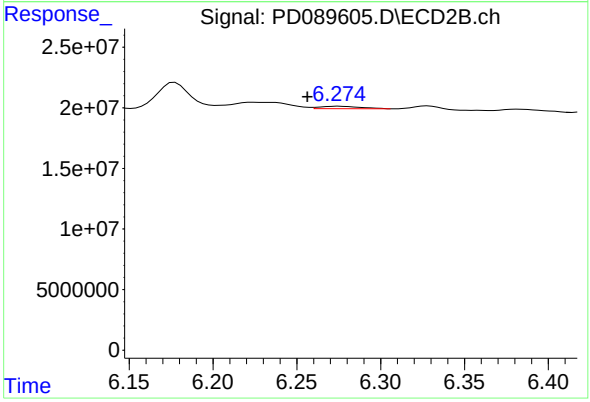
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.003 min
Response: 29260649
Conc: 1.25 ng/ml



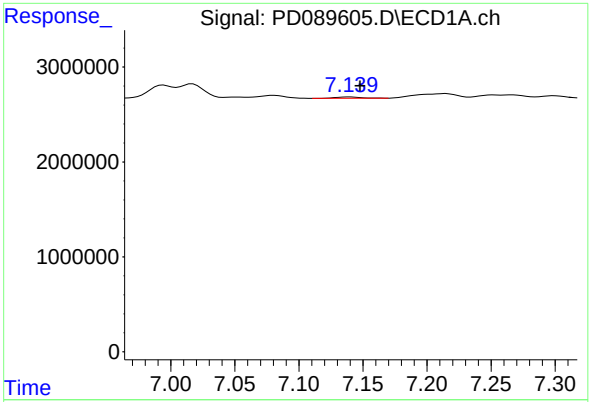
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.914 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

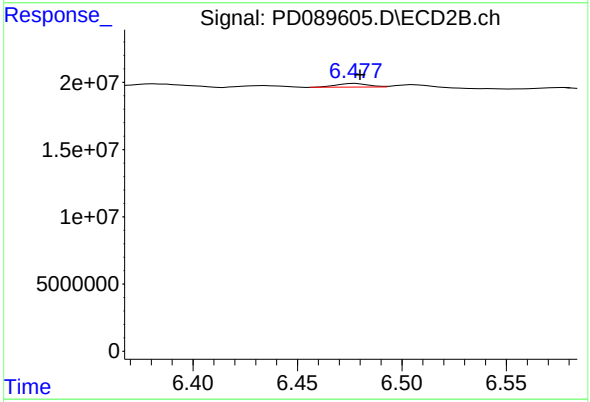
R.T.: 6.275 min
Delta R.T.: 0.019 min
Response: 2563348
Conc: 0.15 ng/ml



#19 Endosulfan Sulfate

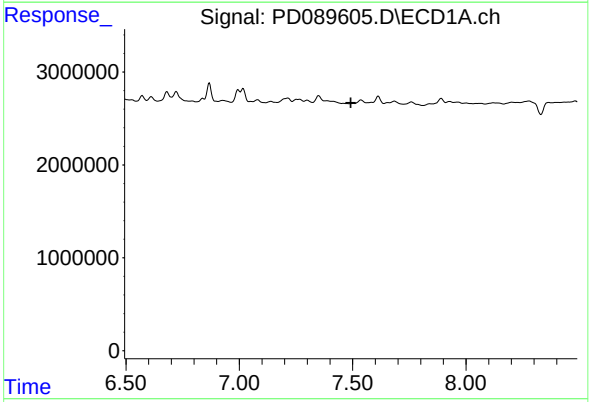
R.T.: 7.140 min
Delta R.T.: -0.008 min
Response: 165192
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



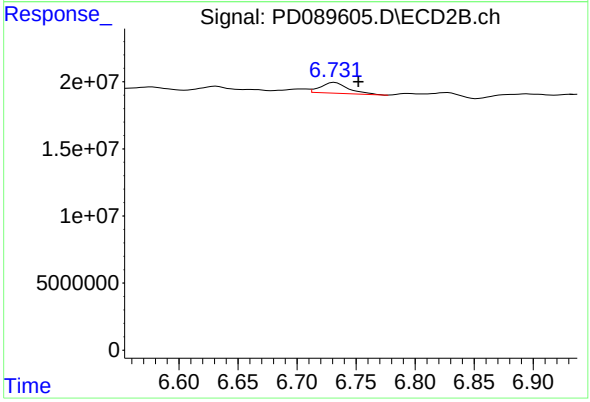
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.002 min
Response: 2856370
Conc: 0.13 ng/ml



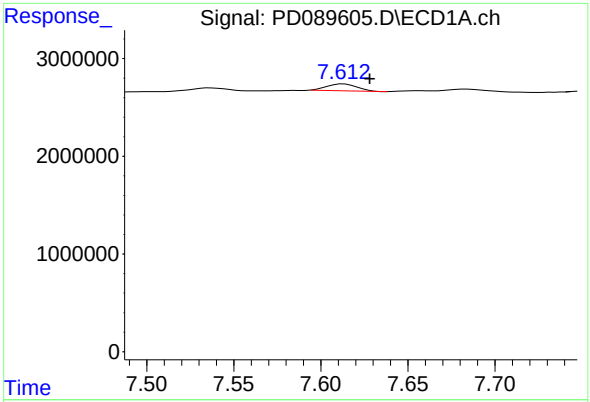
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.



#20 Methoxychlor

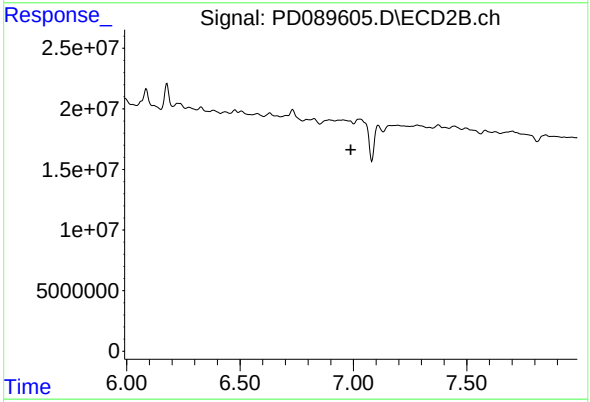
R.T.: 6.732 min
Delta R.T.: -0.020 min
Response: 13059206
Conc: 1.07 ng/ml



#21 Endrin ketone

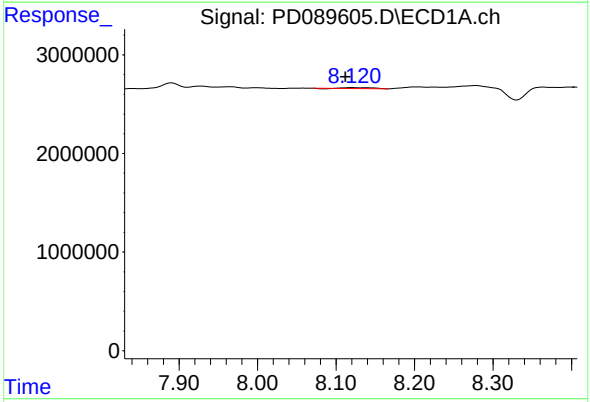
R.T.: 7.613 min
Delta R.T.: -0.015 min
Response: 851750
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



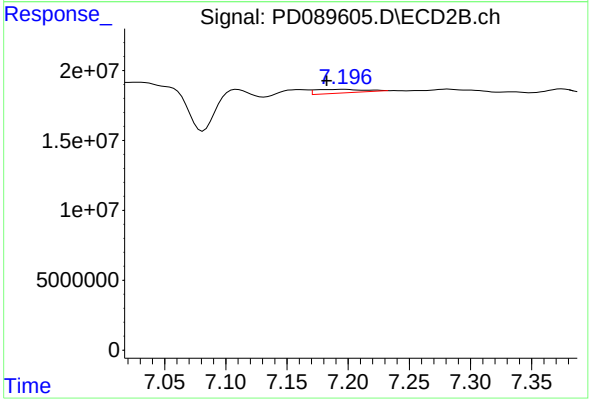
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.989 min
Response: 0
Conc: N.D.



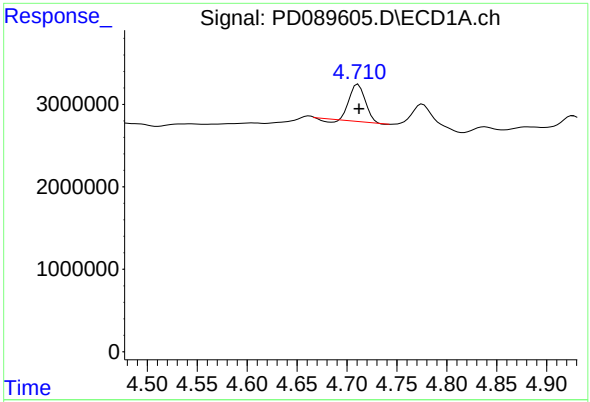
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.009 min
Response: 241346
Conc: 0.08 ng/ml



#22 Mirex

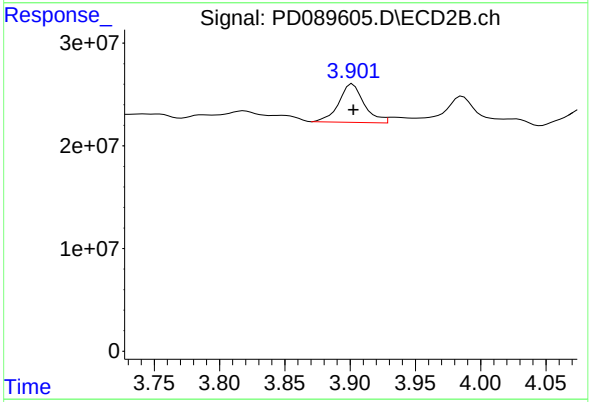
R.T.: 7.197 min
Delta R.T.: 0.014 min
Response: 7482790
Conc: 0.39 ng/ml



#23 Chlordane-1

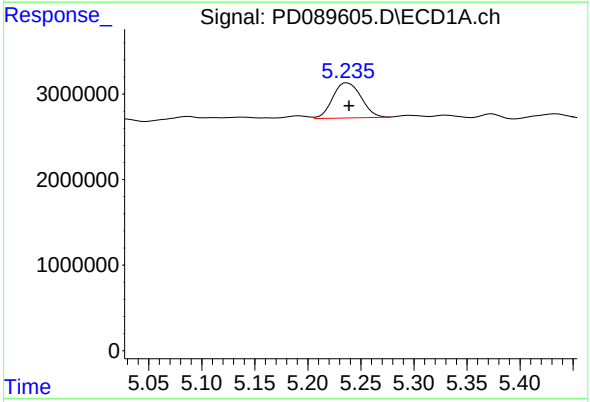
R.T.: 4.711 min
Delta R.T.: -0.001 min
Response: 4812605
Conc: 24.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



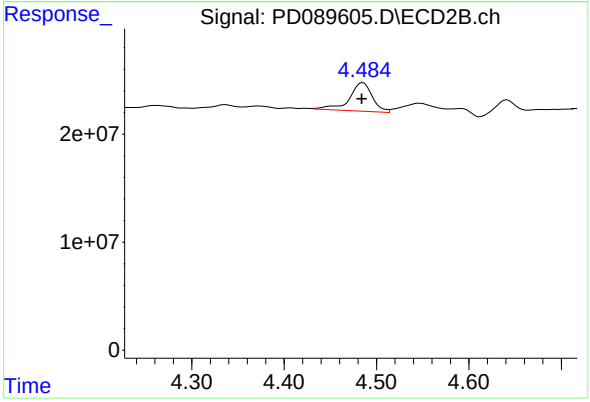
#23 Chlordane-1

R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 50584356
Conc: 54.47 ng/ml



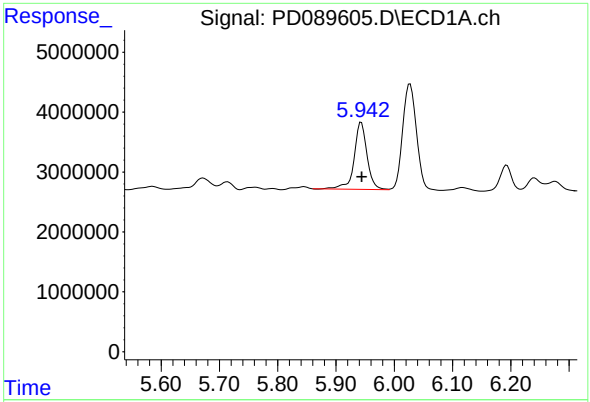
#24 Chlordane-2

R.T.: 5.237 min
Delta R.T.: -0.002 min
Response: 7655138
Conc: 38.07 ng/ml



#24 Chlordane-2

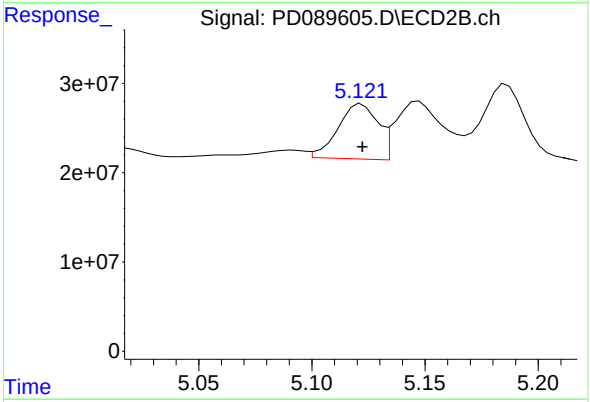
R.T.: 4.485 min
Delta R.T.: 0.002 min
Response: 45593531
Conc: 46.51 ng/ml



#25 Chlordane-3

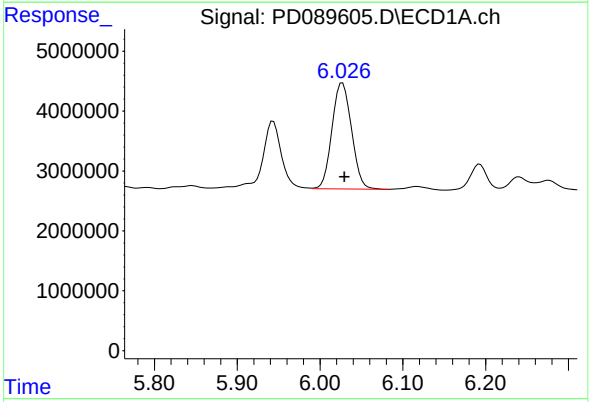
R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 17262931
Conc: 22.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



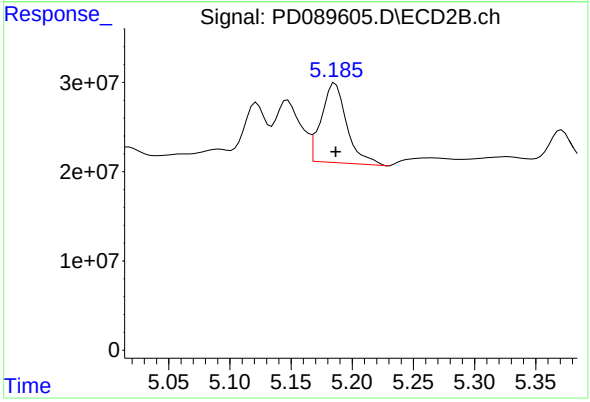
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 75508784
Conc: 26.15 ng/ml



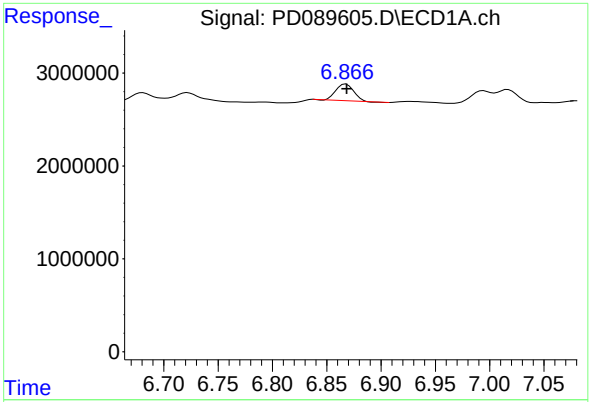
#26 Chlordane-4

R.T.: 6.027 min
Delta R.T.: -0.002 min
Response: 29045487
Conc: 30.60 ng/ml



#26 Chlordane-4

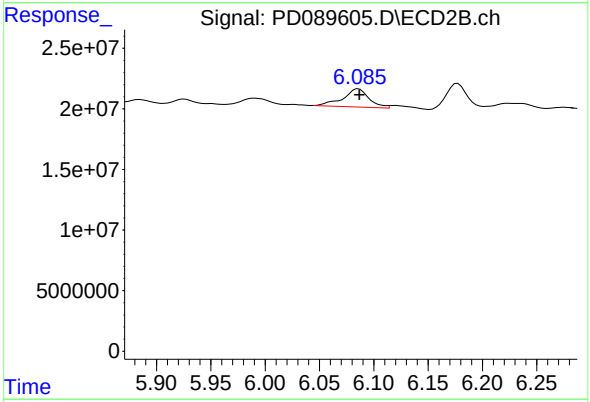
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 129494891
Conc: 53.68 ng/ml



#27 Chlordane-5

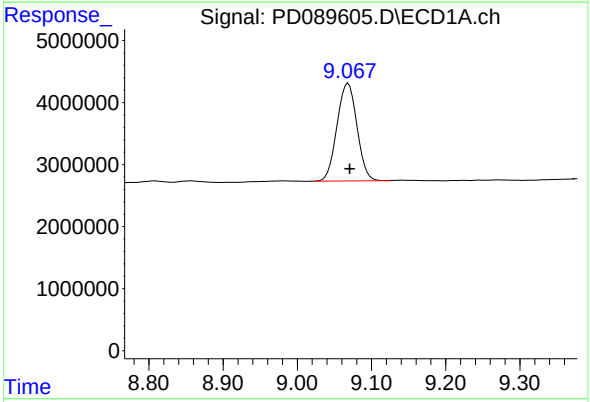
R.T.: 6.868 min
Delta R.T.: 0.000 min
Response: 2050499
Conc: 12.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-30-070925RE



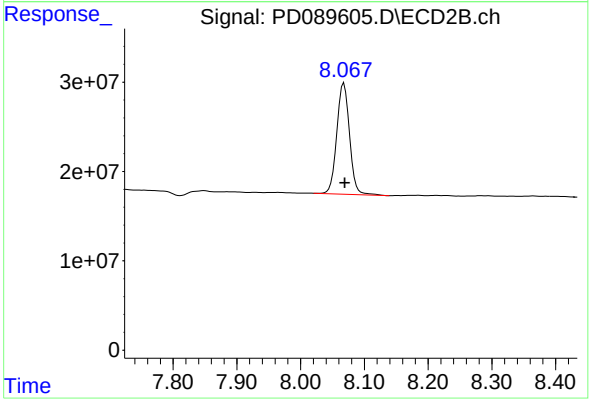
#27 Chlordane-5

R.T.: 6.086 min
Delta R.T.: 0.000 min
Response: 24949690
Conc: 21.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 29425003
Conc: 7.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.001 min
Response: 173133191
Conc: 7.05 ng/ml